

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : RFP 918

**WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410**

**ORDER ID : Q3321
ATTENTION : Smita Sumbaly**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number

Q3321-01
Q3321-02

Client Sample Number

P001-DS-01
P001-DS-01

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: 10/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 918

Project # N/A

Order ID # Q3321

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/09/2025.

B. Parameters

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

C. Analytical Techniques:

The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Calculation:

Low Level Soil Calculation in ug/Kg dry weight basis

$$\frac{(A_x)(I_s)(Df)}{(A_{is})(RRF)(W_s)(D)}$$

Where

A_x = Area for the compound to be measured

A_{is} = Area for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the initial calibration curve standard.

Df = Dilution factor



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

Ws= Weight of sample

$$D = \frac{100 - \% \text{moisture}}{100}$$

F. Additional Comments:

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

Trip Blank was not provided with this set of samples.

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

G. 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_____

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: Q3321

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 Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

Trip Blank was not provided with this set of samples.

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

NA NO YES

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

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: 10/13/2025

LAB CHRONICLE

OrderID:	Q3321	OrderDate:	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 918
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	P001-DS-01	SOIL	VOC-TCLVOA-10	8260D	10/08/25		10/09/25	10/09/25

Hit Summary Sheet
SW-846

SDG No.: Q3321

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

1
2
3
4
5
6
7
8
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10
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12
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14
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QC SUMMARY

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Surrogate Summary

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3321-01	P001-DS-01	1,2-Dichloroethane-d4	50	61.9	124		63	155
		Dibromofluoromethane	50	53.7	107		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	50.8	102		17	146
VY1009SBL01	VY1009SBL01	1,2-Dichloroethane-d4	50	63.4	127		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	49.8	100		17	146
VY1009SBS01	VY1009SBS01	1,2-Dichloroethane-d4	50	45.8	92		63	155
		Dibromofluoromethane	50	47.9	96		70	134
		Toluene-d8	50	47.9	96		74	123
		4-Bromofluorobenzene	50	46.0	92		17	146
VY1009SBSD01	VY1009SBSD01	1,2-Dichloroethane-d4	50	47.2	94		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	47.7	95		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q3321	SW-846		Analytical Method:		SW8260D
Client:		Weston Solutions, Inc.	Datafile :		VY023409.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1009SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			64	136	
	Chloromethane	20	19.7	ug/Kg	99			52	151	
	Vinyl chloride	20	19.5	ug/Kg	98			56	148	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	20.4	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.5	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			77	129	
	Methyl Acetate	20	16.0	ug/Kg	80			69	149	
	Methylene Chloride	20	18.8	ug/Kg	94			72	131	
	trans-1,2-Dichloroethene	20	20.3	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.7	ug/Kg	99			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	20.0	ug/Kg	100			80	127	
	Chloroform	20	20.2	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			80	126	
	Methylcyclohexane	20	20.1	ug/Kg	101			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			81	126	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.0	ug/Kg	100			82	123	
	4-Methyl-2-Pentanone	100	91.7	ug/Kg	92			70	135	
	Toluene	20	20.4	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	18.8	ug/Kg	94			78	124	
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98			81	122	
	1,1,2-Trichloroethane	20	19.5	ug/Kg	98			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	19.4	ug/Kg	97			80	125	
	Tetrachloroethene	20	19.4	ug/Kg	97			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.9	ug/Kg	100			82	124	
	m/p-Xylenes	40	39.9	ug/Kg	100			83	124	
	o-Xylene	20	19.6	ug/Kg	98			83	123	
	Styrene	20	19.7	ug/Kg	99			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	19.9	ug/Kg	100			82	124	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97			77	127	
	1,3-Dichlorobenzene	20	19.5	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>VY023409.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1009SBS01	1,2-Dibromo-3-Chloropropane	20	17.7	ug/Kg	89			66	134	
	1,2,4-Trichlorobenzene	20	17.4	ug/Kg	87			78	127	
	1,2,3-Trichlorobenzene	20	17.1	ug/Kg	86			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3321	SW-846	Analytical Method:	SW8260D
Client:	Weston Solutions, Inc.	Datafile :	VY023410.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1009SBSD01	Dichlorodifluoromethane	20	22.2	ug/Kg	111	5		64	136	20
	Chloromethane	20	20.6	ug/Kg	103	4		52	151	20
	Vinyl chloride	20	20.4	ug/Kg	102	4		56	148	20
	Bromomethane	20	20.9	ug/Kg	104	3		58	141	20
	Chloroethane	20	21.2	ug/Kg	106	4		69	130	20
	Trichlorofluoromethane	20	20.4	ug/Kg	102	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	20.6	ug/Kg	103	4		79	121	20
	Acetone	100	120	ug/Kg	120	0		40	171	20
	Carbon disulfide	20	21.1	ug/Kg	106	3		59	130	20
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	4		77	129	20
	Methyl Acetate	20	16.3	ug/Kg	81	1		69	149	20
	Methylene Chloride	20	19.2	ug/Kg	96	2		72	131	20
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	3		80	123	20
	1,1-Dichloroethane	20	20.8	ug/Kg	104	2		82	123	20
	Cyclohexane	20	20.2	ug/Kg	101	2		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	4		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	5		82	123	20
	Bromochloromethane	20	20.5	ug/Kg	103	3		80	127	20
	Chloroform	20	20.9	ug/Kg	104	3		82	125	20
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	4		80	126	20
	Methylcyclohexane	20	21.1	ug/Kg	106	5		77	123	20
	Benzene	20	21.4	ug/Kg	107	3		84	121	20
	1,2-Dichloroethane	20	20.7	ug/Kg	104	5		81	126	20
	Trichloroethene	20	21.1	ug/Kg	106	5		83	122	20
	1,2-Dichloropropane	20	21.3	ug/Kg	106	3		83	122	20
	Bromodichloromethane	20	20.8	ug/Kg	104	4		82	123	20
	4-Methyl-2-Pentanone	100	94.8	ug/Kg	95	3		70	135	20
	Toluene	20	21.4	ug/Kg	107	5		83	122	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	6		78	124	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	6		81	122	20
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	4		82	125	20
	2-Hexanone	100	100	ug/Kg	100	0		66	138	20
	Dibromochloromethane	20	20.5	ug/Kg	103	3		79	125	20
	1,2-Dibromoethane	20	20.0	ug/Kg	100	3		80	125	20
	Tetrachloroethene	20	21.7	ug/Kg	109	12		83	125	20
	Chlorobenzene	20	21.2	ug/Kg	106	7		84	122	20
	Ethyl Benzene	20	20.9	ug/Kg	104	4		82	124	20
	m/p-Xylenes	40	42.3	ug/Kg	106	6		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	6		83	123	20
	Styrene	20	20.7	ug/Kg	104	5		82	124	20
	Bromoform	20	19.5	ug/Kg	98	6		75	127	20
	Isopropylbenzene	20	21.1	ug/Kg	106	6		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	2		77	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	6		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	6		84	121	20
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103	6		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>VY023410.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1009SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	8		66	134	20
	1,2,4-Trichlorobenzene	20	18.6	ug/Kg	93	7		78	127	20
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91	6		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1009SBL01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab File ID: VY023408.D

Lab Sample ID: VY1009SBL01

Date Analyzed: 10/09/2025

Time Analyzed: 09:16

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
VY1009SBS01	VY1009SBS01	VY023409.D	10/09/2025
VY1009SBSD01	VY1009SBSD01	VY023410.D	10/09/2025
P001-DS-01	Q3321-01	VY023419.D	10/09/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VY023383.D
 Instrument ID: MSVOA_Y
 GC Column: RXI-624 ID: 0.25 (mm)

 Contract: ROYF02
 SDG NO.: Q3321
 BFB Injection Date: 10/07/2025
 BFB Injection Time: 08:43
 Heated Purge: Y/N Y

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

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023384.D	10/07/2025	09:17
VSTDIC010	VSTDIC010	VY023385.D	10/07/2025	10:02
VSTDIC020	VSTDIC020	VY023386.D	10/07/2025	11:24
VSTDIC050	VSTDIC050	VY023387.D	10/07/2025	11:47
VSTDIC100	VSTDIC100	VY023388.D	10/07/2025	12:09
VSTDIC150	VSTDIC150	VY023389.D	10/07/2025	12:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: ROYF02Lab Code: ACESDG NO.: Q3321Lab File ID: VY023406.DBFB Injection Date: 10/09/2025Instrument ID: MSVOA_YBFB Injection Time: 08:16GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	95
175	5.0 - 9.0% of mass 174	6.9 (7.3) 1
176	95.0 - 101.0% of mass 174	91.2 (95.9) 1
177	5.0 - 9.0% of mass 176	6.3 (6.9) 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	VY023407.D	10/09/2025	08:47
VY1009SBL01	VY1009SBL01	VY023408.D	10/09/2025	09:16
VY1009SBS01	VY1009SBS01	VY023409.D	10/09/2025	09:45
VY1009SBSD01	VY1009SBSD01	VY023410.D	10/09/2025	10:08
P001-DS-01	Q3321-01	VY023419.D	10/09/2025	13:44

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3321
Lab File ID: VY023407.D Date Analyzed: 10/09/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:47
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	540041	7.71	774126	8.62	696341	11.42
UPPER LIMIT	1080080	8.213	1548250	9.116	1392680	11.92
LOWER LIMIT	270021	7.213	387063	8.116	348171	10.92
EPA SAMPLE NO.						
P001-DS-01	583600	7.71	1144139	8.62	1117620	11.41
VY1009SBL01	586622	7.71	1154324	8.62	1109408	11.42
VY1009SBS01	563762	7.71	821828	8.62	727518	11.42
VY1009SBSD01	547576	7.71	791873	8.62	696551	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: ROYF02
 Lab Code: ACE SDG NO.: Q3321
 Lab File ID: VY023407.D Date Analyzed: 10/09/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:47
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	360790	13.347				
UPPER LIMIT	721580	13.847				
LOWER LIMIT	180395	12.847				
EPA SAMPLE NO.						
P001-DS-01	466443	13.35				
VY1009SBL01	466996	13.35				
VY1009SBS01	376801	13.35				
VY1009SBSD01	359830	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
- 18

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25	
Project:	RFP 918		Date Received:	10/09/25	
Client Sample ID:	P001-DS-01		SDG No.:	Q3321	
Lab Sample ID:	Q3321-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	78.4	
Sample Wt/Vol:	5.6	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023419.D	1	10/09/25 13:44	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.70	ug/Kg
67-64-1	Acetone	5.40	U	5.40	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.83	U	0.83	5.70	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.70	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5.70	ug/Kg
110-82-7	Cyclohexane	0.90	U	0.90	5.70	ug/Kg
78-93-3	2-Butanone	7.40	U	7.40	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.85	U	0.85	5.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.70	ug/Kg
67-66-3	Chloroform	0.96	U	0.96	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.70	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.70	ug/Kg
71-43-2	Benzene	0.90	U	0.90	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.90	U	0.90	5.70	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.89	U	0.89	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	28.5	ug/Kg
108-88-3	Toluene	0.89	U	0.89	5.70	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.4
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023419.D	1	10/09/25 13:44	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.74	U	0.74	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.71	U	0.71	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.70	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	28.5	ug/Kg
124-48-1	Dibromochloromethane	0.99	U	0.99	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.70	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.4	ug/Kg
95-47-6	o-Xylene	0.93	U	0.93	5.70	ug/Kg
100-42-5	Styrene	0.81	U	0.81	5.70	ug/Kg
75-25-2	Bromoform	0.98	U	0.98	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.89	U	0.89	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	1.70	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	3.40	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.60	U	3.60	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.9		63 - 155	124%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	584000	7.713			
540-36-3	1,4-Difluorobenzene	1140000	8.616			
3114-55-4	Chlorobenzene-d5	1120000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	466000	13.346			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.4
Sample Wt/Vol:	5.6	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023419.D	1	10/09/25 13:44	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023419.D
Acq On : 09 Oct 2025 13:44
Operator : SY/MD
Sample : Q3321-01
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

Quant Time: Oct 10 04:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	583600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1144139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1117620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	466443	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	302021	61.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.780%
35) Dibromofluoromethane	7.640	113	377647	53.718	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.440%
50) Toluene-d8	10.109	98	1365268	52.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.300%
62) 4-Bromofluorobenzene	12.408	95	439445	50.840	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.680%

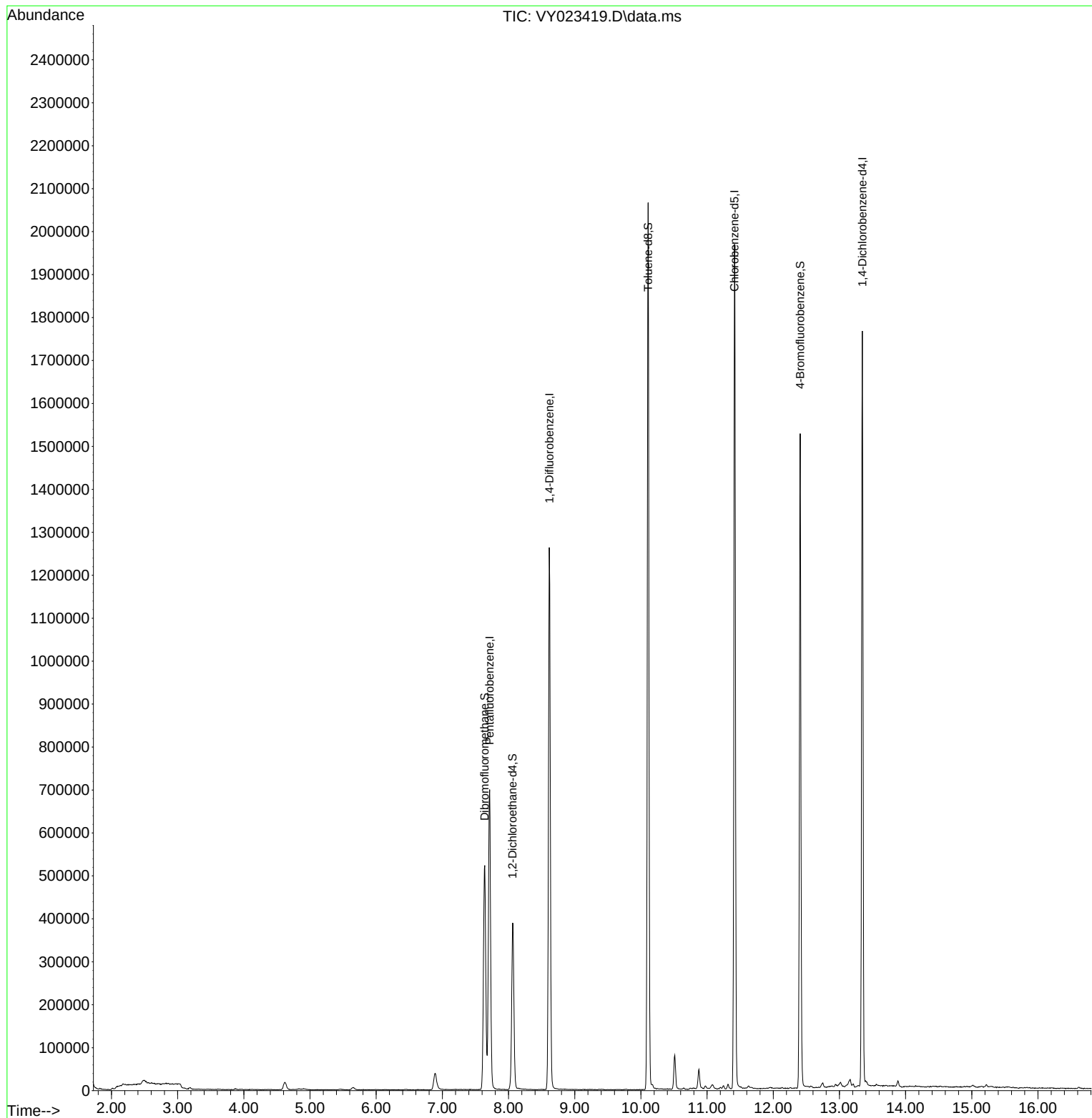
Target Compounds	Qvalue

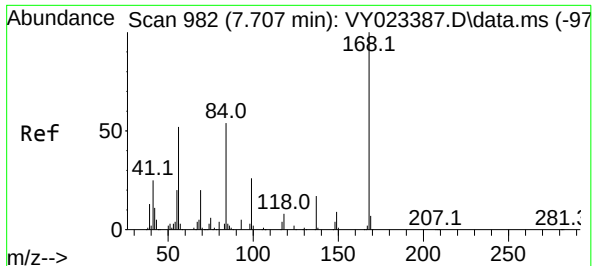
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023419.D
Acq On : 09 Oct 2025 13:44
Operator : SY/MD
Sample : Q3321-01
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

Quant Time: Oct 10 04:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

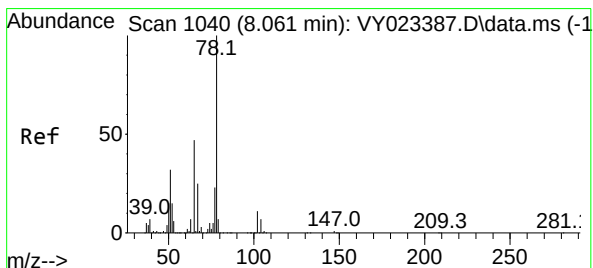
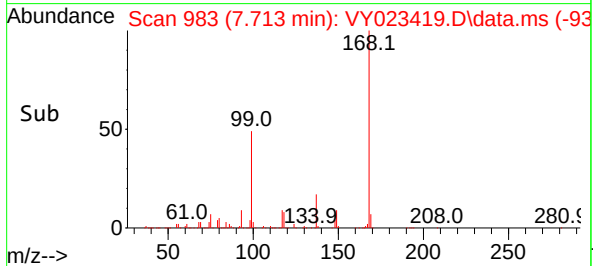
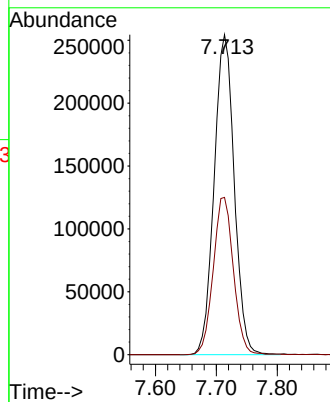
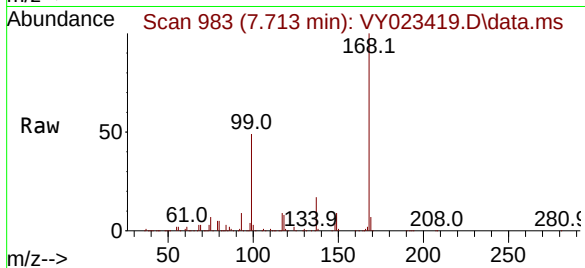




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023419.D
Acq: 09 Oct 2025 13:44

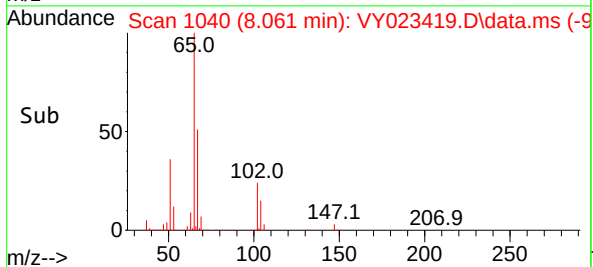
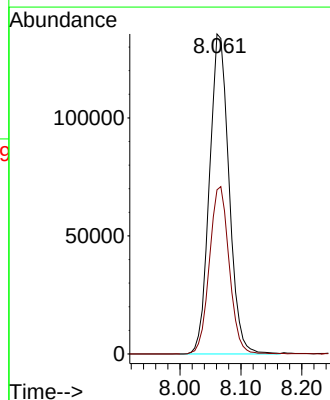
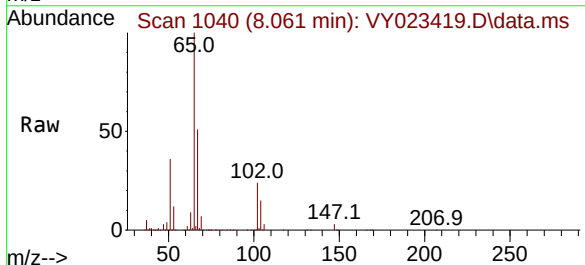
Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

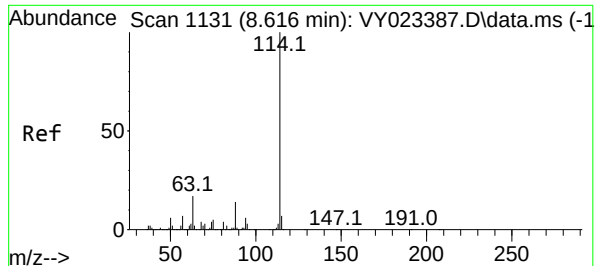
Tgt Ion:168 Resp: 583600
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 61.888 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023419.D
Acq: 09 Oct 2025 13:44

Tgt Ion: 65 Resp: 302021
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023419.D

Acq: 09 Oct 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

P001-DS-01

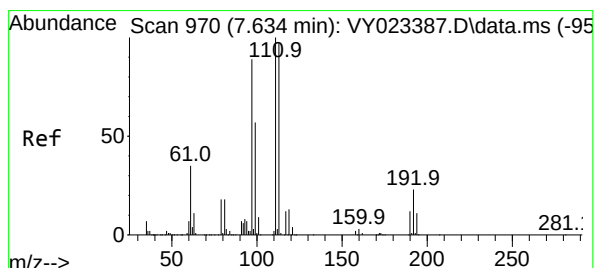
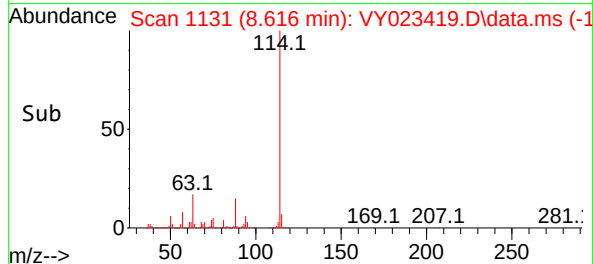
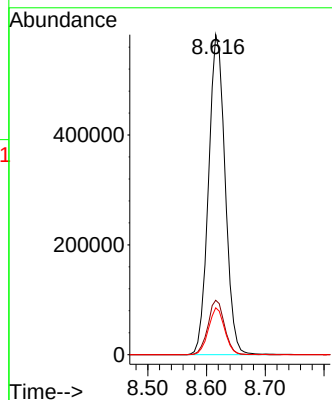
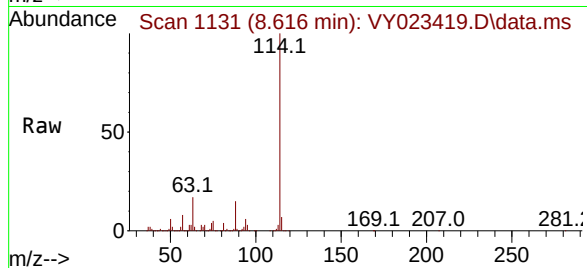
Tgt Ion:114 Resp: 1144139

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.6 0.0 28.4



#35

Dibromofluoromethane

Concen: 53.718 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023419.D

Acq: 09 Oct 2025 13:44

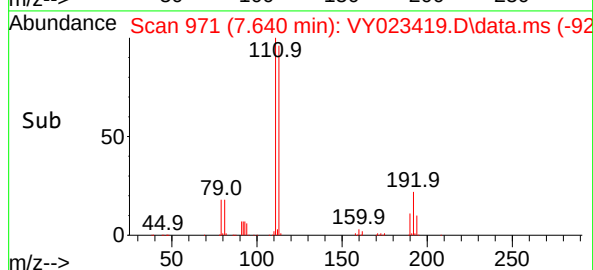
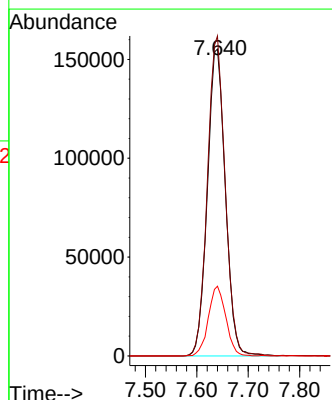
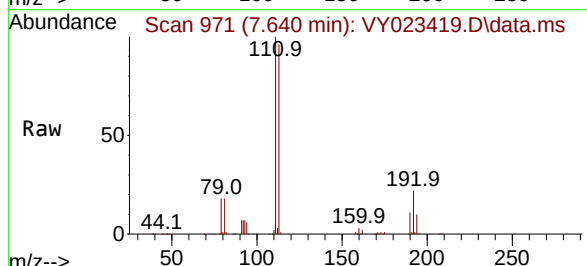
Tgt Ion:113 Resp: 377647

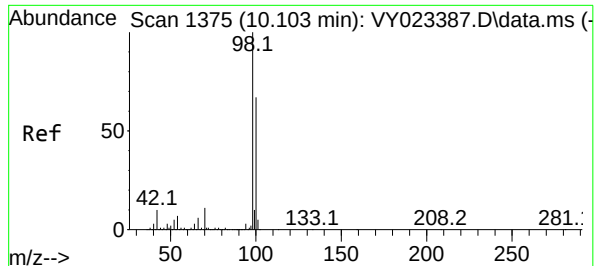
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 22.1 18.0 27.0





#50

Toluene-d8

Concen: 52.147 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023419.D

Acq: 09 Oct 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

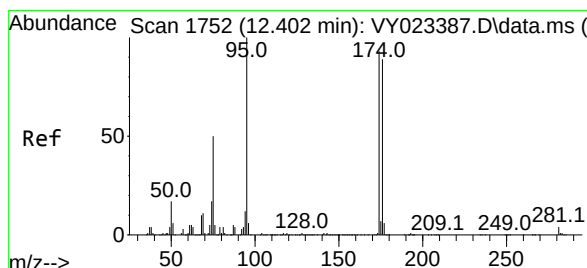
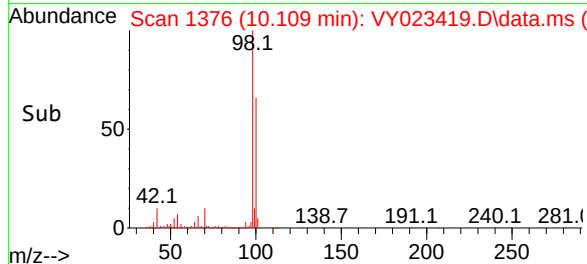
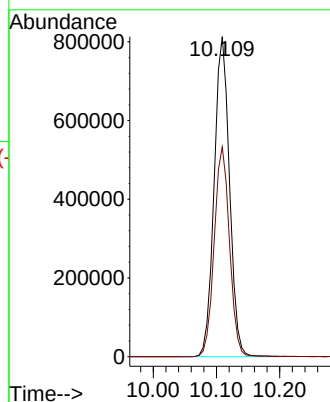
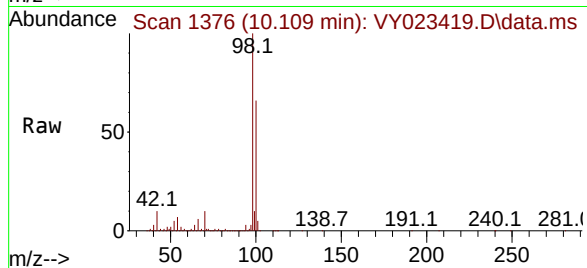
P001-DS-01

Tgt Ion: 98 Resp: 1365268

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 50.840 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023419.D

Acq: 09 Oct 2025 13:44

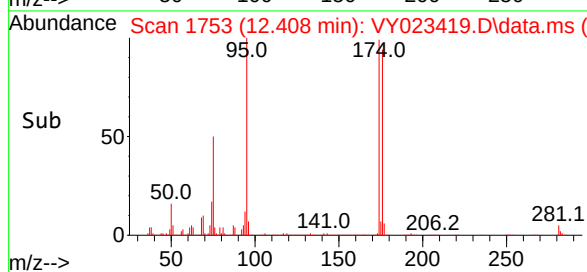
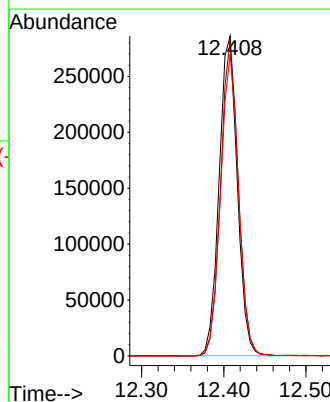
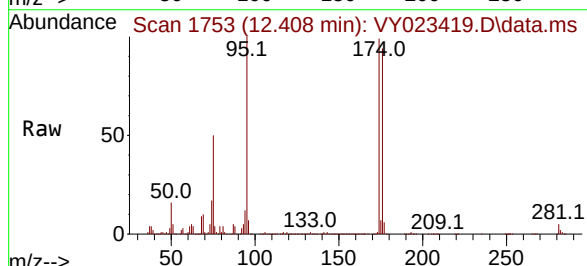
Tgt Ion: 95 Resp: 439445

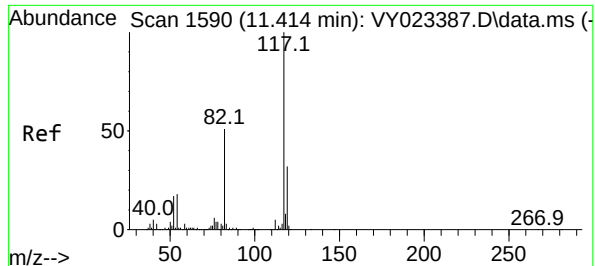
Ion Ratio Lower Upper

95 100

174 96.8 0.0 192.8

176 93.0 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023419.D

Acq: 09 Oct 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

P001-DS-01

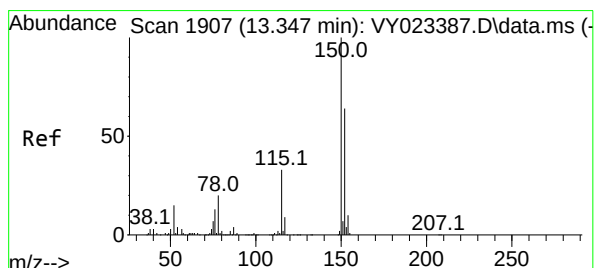
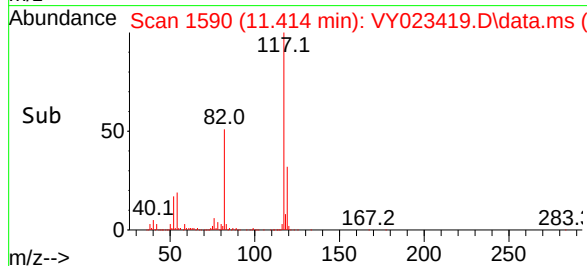
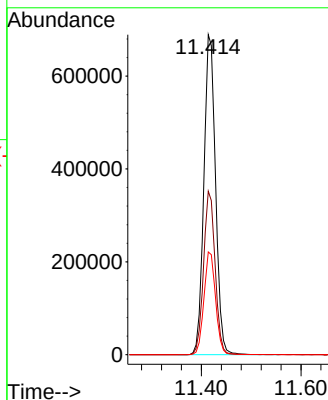
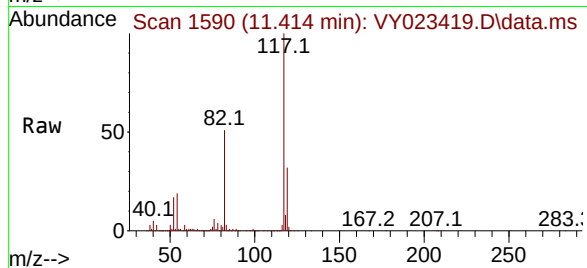
Tgt Ion:117 Resp: 1117620

Ion Ratio Lower Upper

117 100

82 51.1 41.0 61.4

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023419.D

Acq: 09 Oct 2025 13:44

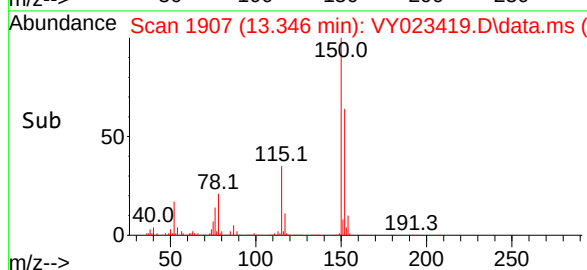
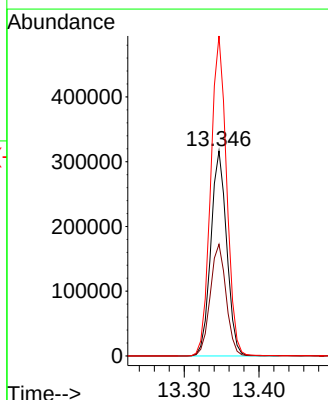
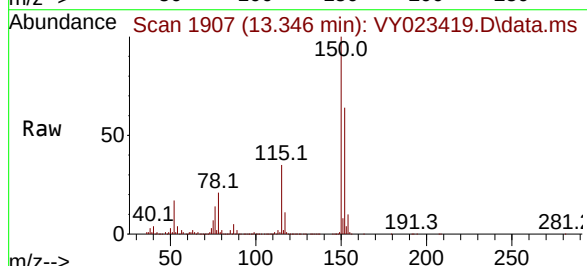
Tgt Ion:152 Resp: 466443

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 156.8 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023419.D
Acq On : 09 Oct 2025 13:44
Operator : SY/MD
Sample : Q3321-01
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	486	rBV2	16995	54910	1.58%	0.298%
2	6.890	833	848	865	rBV	38335	130270	3.74%	0.706%
3	7.640	960	971	977	rBV	521661	1272247	36.57%	6.895%
4	7.713	977	983	1003	rVB	697996	1597178	45.91%	8.656%
5	8.061	1027	1040	1051	rBV	387672	904409	26.00%	4.901%
6	8.616	1123	1131	1144	rBV	1261654	2472403	71.07%	13.399%
7	10.109	1367	1376	1384	rBV	2065069	3478952	100.00%	18.854%
8	10.512	1433	1442	1449	rBV	79729	151747	4.36%	0.822%
9	10.877	1494	1502	1508	rBV	44895	83530	2.40%	0.453%
10	11.414	1581	1590	1604	rBV	1966609	3201806	92.03%	17.352%
11	12.408	1745	1753	1765	rBV	1524510	2428693	69.81%	13.162%
12	13.164	1863	1877	1881	rBV5	17255	51255	1.47%	0.278%
13	13.346	1900	1907	1914	rBV	1758172	2624549	75.44%	14.224%

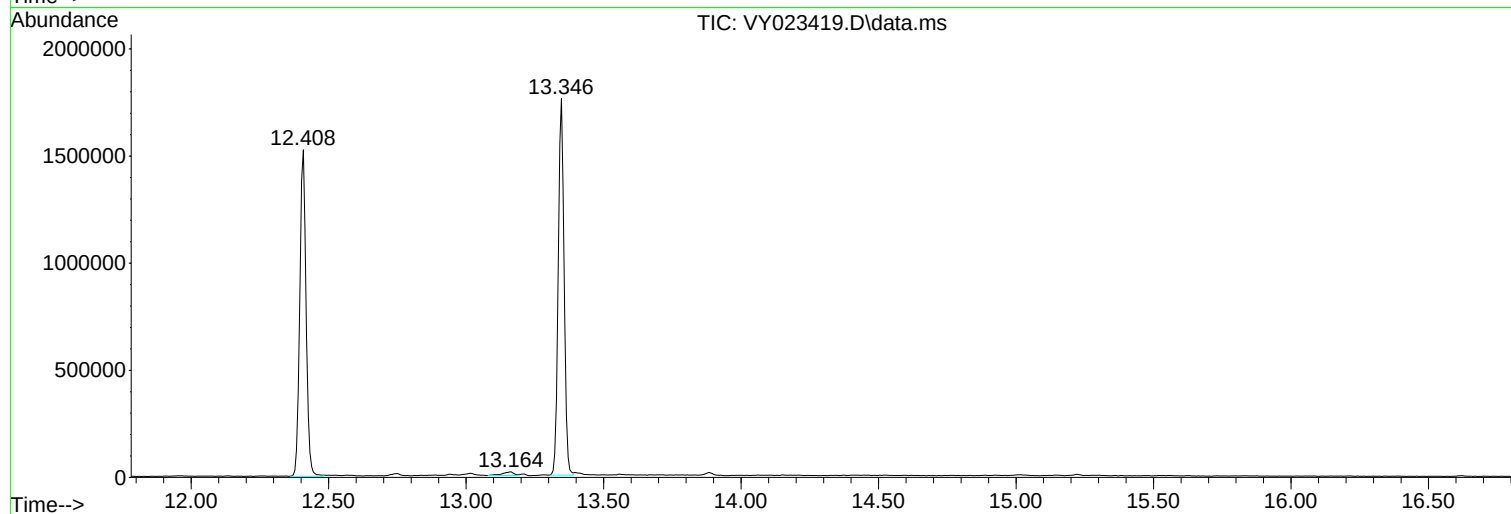
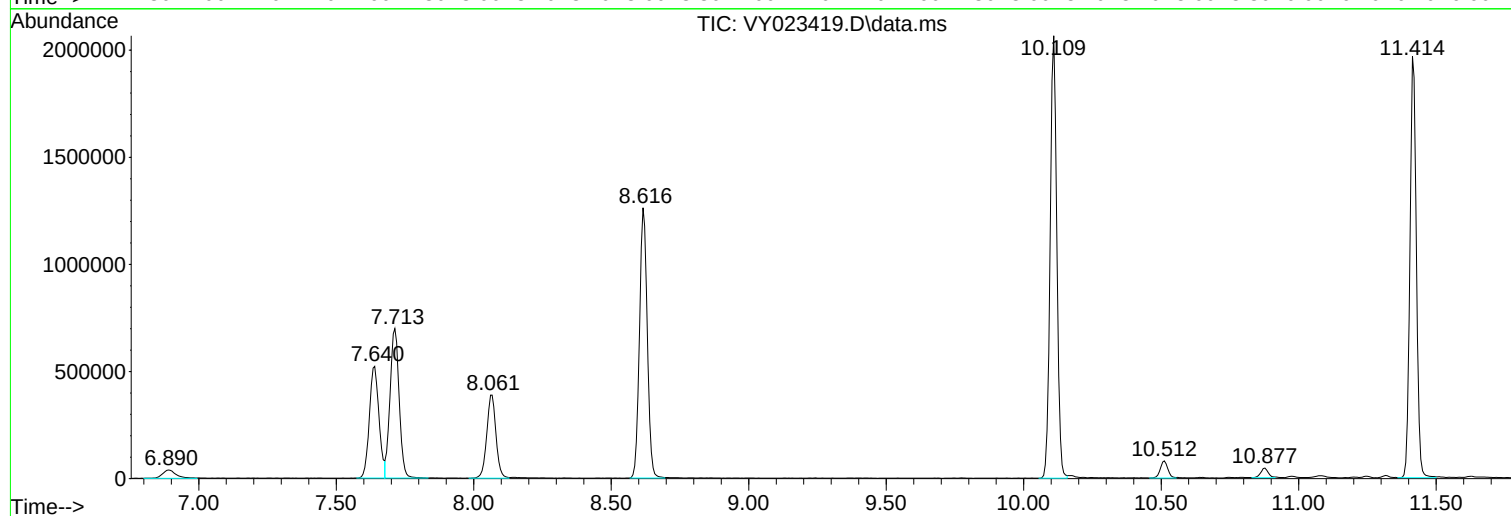
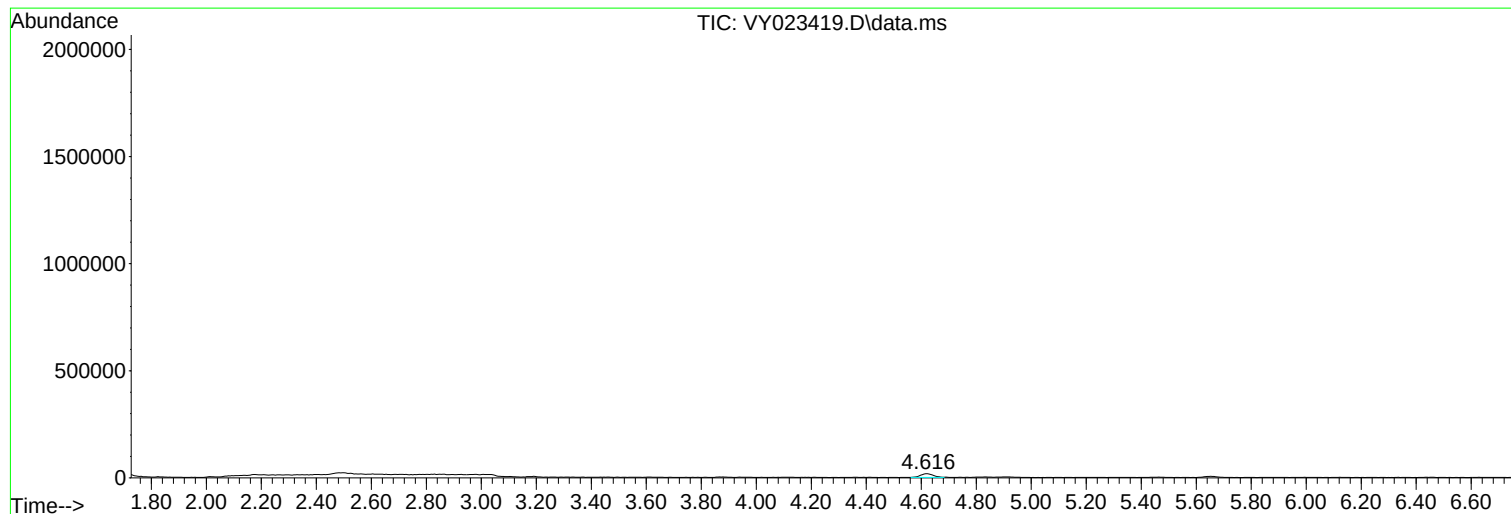
Sum of corrected areas: 18451949

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023419.D
Acq On : 09 Oct 2025 13:44
Operator : SY/MD
Sample : Q3321-01
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023419.D
Acq On : 09 Oct 2025 13:44
Operator : SY/MD
Sample : Q3321-01
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

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

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023419.D
Acq On : 09 Oct 2025 13:44
Operator : SY/MD
Sample : Q3321-01
Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-DS-01

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

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

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



CALIBRATION SUMMARY

- 1
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:	RRF005 = VY023384.D			RRF010 = VY023385.D		RRF020 = VY023386.D		RRF050 = VY023387.D		RRF100 = VY023388.D		RRF150 = VY023389.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12					
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4					
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6					
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4					
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7					
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5					
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6					
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1					
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7					
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7					
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3					
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6					
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4					
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9					
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9					
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3					
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6					
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1					
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8					
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2					
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5					
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1					
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7					
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2					
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6					
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8					
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9					
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7					
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6					
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5					

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ROYF02
 Lab Code: ACE SDG No.: Q3321
 Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY023384.D		RRF010 = VY023385.D		RRF020 = VY023386.D			
		RRF050 = VY023387.D		RRF100 = VY023388.D		RRF150 = VY023389.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2	
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9	
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5	
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9	
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7	
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2	
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9	
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9	
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5	
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5	
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1	
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5	
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4	
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3	
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6	
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9	
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3	
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1	
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2	
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7	
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1	
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2	
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6	
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2	
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100725S.M
 Title : SW846 8260
 Last Update : Wed Oct 08 05:12:50 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023384.D 10 =VY023385.D 20 =VY023386.D 50 =VY023387.D 100 =VY023388.D 150 =VY023389.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.397	0.399	0.400	0.321	0.310	0.333	0.360	11.97
3) P	Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.45
4) C	Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.59#
5) T	Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.42
6) T	Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.67
7) T	Trichlorofluor...	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.54
8) T	Diethyl Ether	0.240	0.239	0.236	0.215	0.224	0.237	0.232	4.42
9) T	1,1,2-Trichlor...	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.57
10) T	Methyl Iodide	0.404	0.503	0.518	0.538	0.547	0.562	0.512	11.09
11) T	Tert butyl alc...	0.033	0.037	0.030	0.025	0.029	0.033	0.031	13.08
12) CM	1,1-Dichloroet...	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.14#
13) T	Acrolein	0.045	0.043	0.042	0.042	0.044	0.048	0.044	5.27
14) T	Allyl chloride	0.540	0.555	0.546	0.526	0.535	0.560	0.544	2.33
15) T	Acrylonitrile	0.088	0.093	0.086	0.082	0.088	0.095	0.089	5.52
16) T	Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.67
17) T	Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.74
18) T	Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6.00
19) T	Methyl tert-bu...	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.30
20) T	Methylene Chlo...	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.41
21) T	trans-1,2-Dich...	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.95
22) T	Diisopropyl ether	1.107	1.238	1.255	1.163	1.195	1.257	1.202	4.95
23) T	Vinyl Acetate	0.594	0.646	0.651	0.625	0.667	0.722	0.651	6.65
24) P	1,1-Dichloroet...	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.90
25) T	2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.56
26) T	2,2-Dichloropr...	0.752	0.771	0.731	0.705	0.699	0.726	0.731	3.74
27) T	cis-1,2-Dichlo...	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.81
28) T	Bromochloromet...	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.22
29) T	Tetrahydrofuran	0.066	0.070	0.067	0.064	0.070	0.078	0.069	7.25
30) C	Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.54#
31) T	Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.27
32) T	1,1,1-Trichlor...	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.08
33) S	1,2-Dichloroet...	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.21
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.62
36) T	1,1-Dichloropr...	0.395	0.413	0.413	0.397	0.405	0.417	0.407	2.20
37) T	Ethyl Acetate	0.148	0.162	0.163	0.150	0.164	0.179	0.161	6.94
38) T	Carbon Tetrach...	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.14
39) T	Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7.03
40) TM	Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.22
41) T	Methacrylonitrile	0.082	0.085	0.091	0.080	0.089	0.096	0.087	7.09
42) TM	1,2-Dichloroet...	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.59
43) T	Isopropyl Acetate	0.297	0.313	0.313	0.302	0.335	0.369	0.321	8.32
44) TM	Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.81
45) C	1,2-Dichloropr...	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.89#
46) T	Dibromomethane	0.172	0.182	0.183	0.173	0.181	0.188	0.180	3.43
47) T	Bromodichlorom...	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.70
48) T	Methyl methacr...	0.125	0.139	0.149	0.148	0.165	0.181	0.151	12.98
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.06
50) S	Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2.03
51) T	4-Methyl-2-Pen...	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.55
52) CM	Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.49#
53) T	t-1,3-Dichloro...	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.24
54) T	cis-1,3-Dichlo...	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.86
55) T	1,1,2-Trichlor...	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.52
56) T	Ethyl methacry...	0.219	0.248	0.262	0.279	0.321	0.345	0.279	16.80

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M

57)	T	1,3-Dichloropr...	0.361	0.381	0.383	0.374	0.392	0.409	0.383	4.26
58)	T	2-Chloroethyl ...	0.093	0.112	0.112	0.129	0.145	0.159	0.125	19.35
59)	T	2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.86
60)	T	Dibromochlorom...	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.69
61)	T	1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.16
62)	S	4-Bromofluorob...	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.51
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.92
65)	PM	Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.89
66)	T	1,1,1,2-Tetrac...	0.388	0.389	0.390	0.373	0.384	0.402	0.388	2.44
67)	C	Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.54#
68)	T	m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.54
69)	T	o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.15
70)	T	Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.55
71)	P	Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.41
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.30
74)	T	N-amyl acetate	0.477	0.535	0.556	0.581	0.665	0.738	0.592	15.95
75)	P	1,1,2,2-Tetrac...	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.60
76)	T	1,2,3-Trichlor...	0.406	0.399	0.484	0.433	0.455	0.469	0.441	7.76
77)	T	Bromobenzene	0.849	0.880	0.885	0.845	0.877	0.921	0.876	3.14
78)	T	n-propylbenzene	3.373	3.676	3.906	3.883	3.955	4.086	3.813	6.64
79)	T	2-Chlorotoluene	2.095	2.208	2.282	2.227	2.249	2.338	2.233	3.66
80)	T	1,3,5-Trimethy...	2.309	2.557	2.736	2.706	2.772	2.896	2.663	7.70
81)	T	trans-1,4-Dich...	0.171	0.175	0.176	0.169	0.185	0.203	0.180	7.04
82)	T	4-Chlorotoluene	2.173	2.266	2.362	2.276	2.316	2.404	2.300	3.52
83)	T	tert-Butylbenzene	2.199	2.363	2.465	2.522	2.533	2.668	2.458	6.55
84)	T	1,2,4-Trimethy...	2.301	2.552	2.701	2.706	2.782	2.903	2.657	7.86
85)	T	sec-Butylbenzene	3.175	3.388	3.571	3.583	3.664	3.778	3.527	6.08
86)	T	p-Isopropyltol...	2.575	2.804	3.032	3.087	3.183	3.334	3.003	9.09
87)	T	1,3-Dichlorobe...	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.85
88)	T	1,4-Dichlorobe...	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.33
89)	T	n-Butylbenzene	2.279	2.428	2.626	2.682	2.778	2.904	2.616	8.76
90)	T	Hexachloroethane	0.667	0.631	0.647	0.625	0.643	0.662	0.646	2.54
91)	T	1,2-Dichlorobe...	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.13
92)	T	1,2-Dibromo-3-...	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.18
93)	T	1,2,4-Trichlor...	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.75
94)	T	Hexachlorobuta...	0.590	0.571	0.572	0.577	0.587	0.590	0.581	1.52
95)	T	Naphthalene	1.206	1.281	1.346	1.466	1.722	1.887	1.485	17.98
96)	T	1,2,3-Trichlor...	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.14

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023384.D
 Acq On : 07 Oct 2025 09:17
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	585717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	882488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	753398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26670	5.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.520%#		
35) Dibromofluoromethane	7.634	113	27455	5.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.260%#		
50) Toluene-d8	10.103	98	99905	4.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.401	95	35355	5.548	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.100%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	23245	5.038	ug/l	92
3) Chloromethane	2.074	50	30346	4.627	ug/l	94
4) Vinyl Chloride	2.202	62	38657	4.668	ug/l	95
5) Bromomethane	2.598	94	35214	5.184	ug/l	94
6) Chloroethane	2.732	64	25848	4.597	ug/l	98
7) Trichlorofluoromethane	3.055	101	51797	4.869	ug/l	98
8) Diethyl Ether	3.452	74	14079	5.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	28368	4.989	ug/l	99
10) Methyl Iodide	4.007	142	23692	3.606	ug/l	99
11) Tert butyl alcohol	4.854	59	9774	32.746	ug/l #	80
12) 1,1-Dichloroethene	3.787	96	26290	4.806	ug/l	94
13) Acrolein	3.653	56	13176	26.054	ug/l	100
14) Allyl chloride	4.385	41	31614	4.616	ug/l	98
15) Acrylonitrile	5.055	53	25891	23.754	ug/l	99
16) Acetone	3.866	43	37573	32.940	ug/l	96
17) Carbon Disulfide	4.104	76	75645	4.432	ug/l	99
18) Methyl Acetate	4.391	43	14279	4.926	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	58919	4.600	ug/l	95
20) Methylene Chloride	4.616	84	36598	5.917	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	28923	4.754	ug/l	99
22) Diisopropyl ether	6.018	45	64833	4.269	ug/l	94
23) Vinyl Acetate	5.964	43	173851	20.824	ug/l	99
24) 1,1-Dichloroethane	5.909	63	46850	4.679	ug/l	100
25) 2-Butanone	6.890	43	38990	27.656	ug/l	93
26) 2,2-Dichloropropane	6.884	77	44062	4.953	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	31743	4.600	ug/l	98
28) Bromochloromethane	7.244	49	19445	5.006	ug/l	99
29) Tetrahydrofuran	7.262	42	19296	23.059	ug/l	98
30) Chloroform	7.421	83	51887	4.806	ug/l	97
31) Cyclohexane	7.707	56	46675	5.279	ug/l #	79
32) 1,1,1-Trichloroethane	7.616	97	47305	4.881	ug/l	99
36) 1,1-Dichloropropene	7.835	75	34888	4.617	ug/l	98
37) Ethyl Acetate	6.982	43	13082	4.379	ug/l #	93
38) Carbon Tetrachloride	7.817	117	42654	4.859	ug/l	95
39) Methylcyclohexane	9.109	83	43329	4.479	ug/l	98
40) Benzene	8.079	78	110551	4.693	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023384.D
 Acq On : 07 Oct 2025 09:17
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	7226m	4.658	ug/l	
42) 1,2-Dichloroethane	8.158	62	28940	4.828	ug/l	100
43) Isopropyl Acetate	8.201	43	26166	4.503	ug/l	99
44) Trichloroethene	8.859	130	33564	5.077	ug/l	99
45) 1,2-Dichloropropane	9.140	63	24358	4.595	ug/l	92
46) Dibromomethane	9.231	93	15179	4.682	ug/l	97
47) Bromodichloromethane	9.420	83	38813	4.756	ug/l	93
48) Methyl methacrylate	9.219	41	11038	4.071	ug/l	98
49) 1,4-Dioxane	9.219	88	3255	96.953	ug/l #	86
51) 4-Methyl-2-Pentanone	9.999	43	62279	20.925	ug/l	98
52) Toluene	10.170	92	68550	4.585	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	31477	4.491	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	37392	4.463	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	20641	4.786	ug/l	97
56) Ethyl methacrylate	10.438	69	19324	3.891	ug/l	94
57) 1,3-Dichloropropane	10.719	76	31831	4.560	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	41054m	18.894	ug/l	
59) 2-Hexanone	10.761	43	47778	23.185	ug/l	97
60) Dibromochloromethane	10.908	129	28135	4.783	ug/l	97
61) 1,2-Dibromoethane	11.017	107	18957	4.673	ug/l	97
64) Tetrachloroethene	10.646	164	40570	5.383	ug/l	98
65) Chlorobenzene	11.444	112	81802	4.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	29222	5.075	ug/l	97
67) Ethyl Benzene	11.517	91	121005	4.529	ug/l	99
68) m/p-Xylenes	11.633	106	95176	8.887	ug/l	100
69) o-Xylene	11.956	106	44280	4.466	ug/l	98
70) Styrene	11.969	104	67960	4.152	ug/l	99
71) Bromoform	12.133	173	16988	4.929	ug/l #	99
73) Isopropylbenzene	12.255	105	112194	4.455	ug/l	99
74) N-amyl acetate	12.066	43	18041	3.833	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	20052	4.773	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	15359m	4.118	ug/l	
77) Bromobenzene	12.529	156	32106	4.967	ug/l	99
78) n-propylbenzene	12.596	91	127521	4.305	ug/l	99
79) 2-Chlorotoluene	12.676	91	79199	4.631	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	87297	4.264	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6474	4.680	ug/l	98
82) 4-Chlorotoluene	12.779	91	82155	4.600	ug/l	100
83) tert-Butylbenzene	12.999	119	83151	4.457	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	86988	4.294	ug/l	99
85) sec-Butylbenzene	13.176	105	120061	4.443	ug/l	99
86) p-Isopropyltoluene	13.291	119	97377	4.264	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	63027	4.936	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	64389	5.085	ug/l	95
89) n-Butylbenzene	13.615	91	86179	4.274	ug/l	99
90) Hexachloroethane	13.877	117	25204	5.084	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	56167	5.041	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3305	4.964	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	32000	4.875	ug/l	99
94) Hexachlorobutadiene	15.023	225	22316	5.456	ug/l	99
95) Naphthalene	15.145	128	45598	4.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	27176	4.772	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

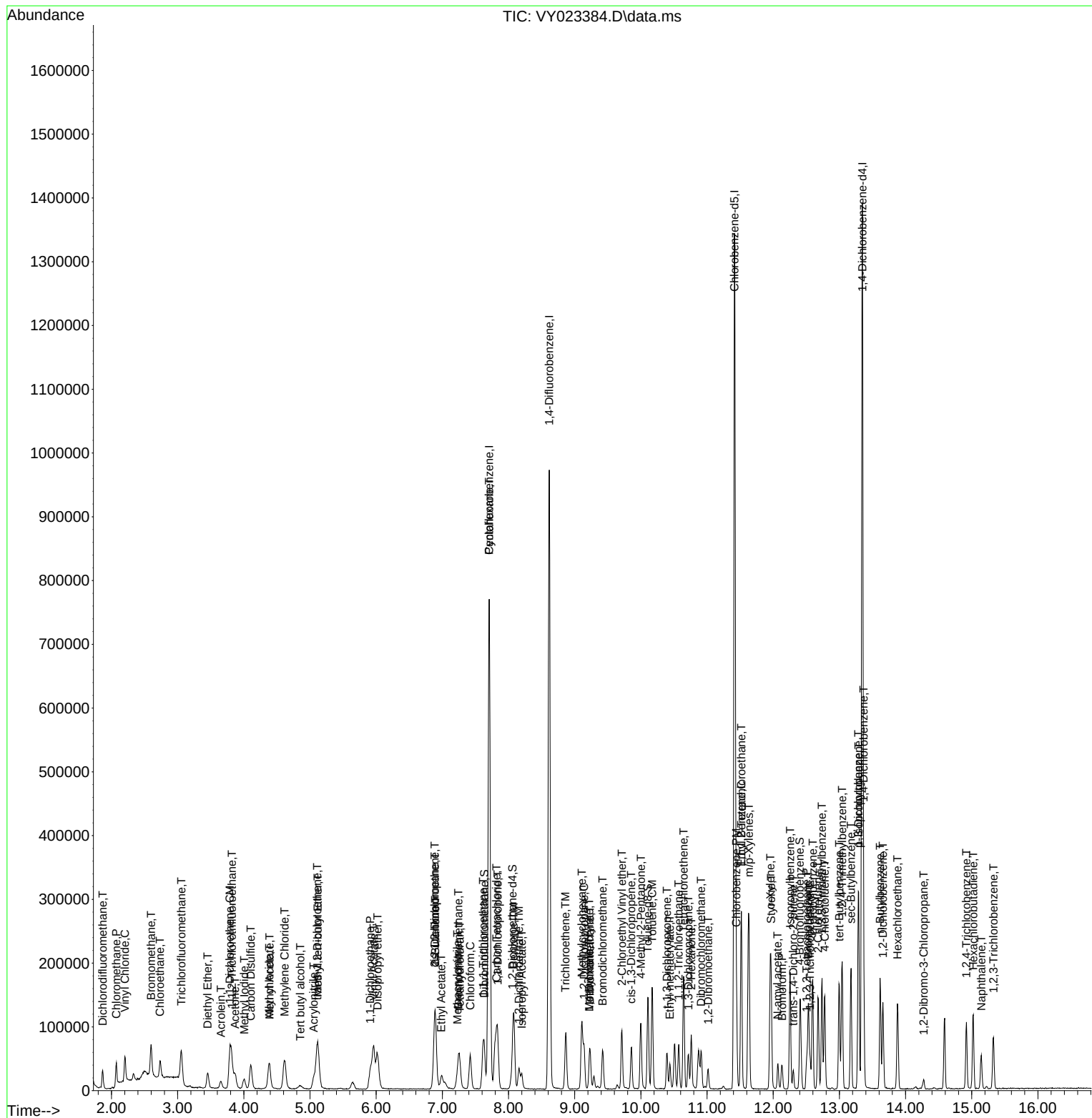
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

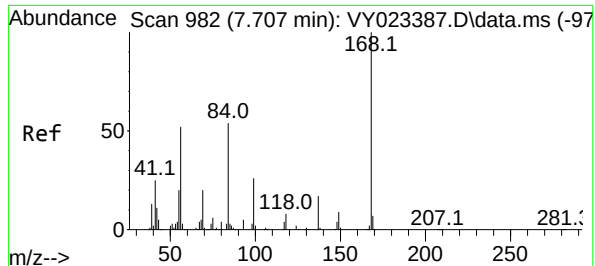
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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





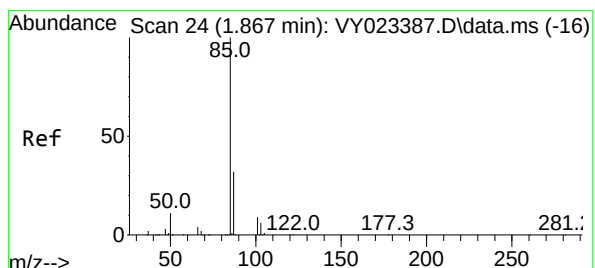
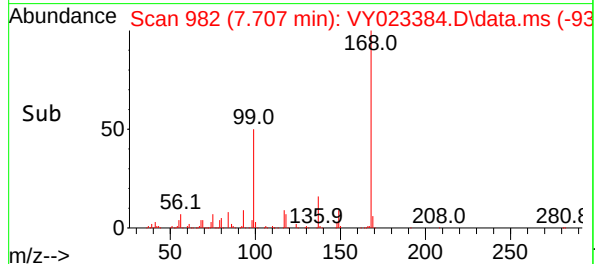
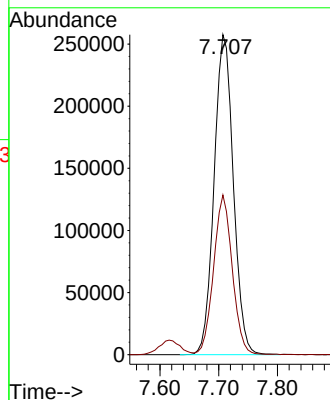
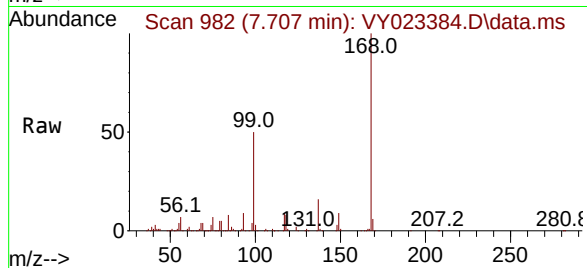
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 58571
Ion Ratio Lower Upper
168 100
99 49.8 39.7 59.5

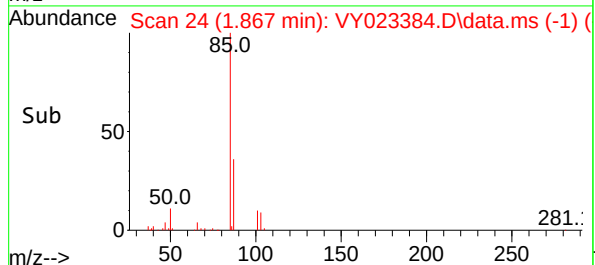
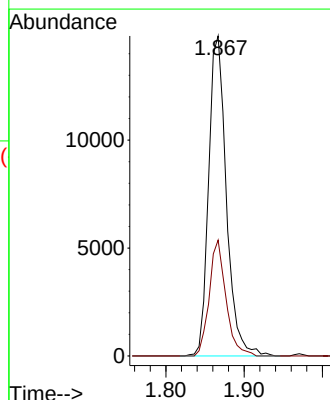
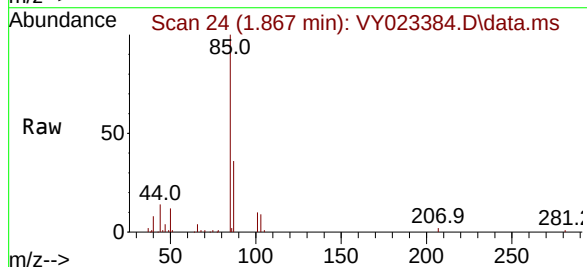
Manual Integrations
APPROVED

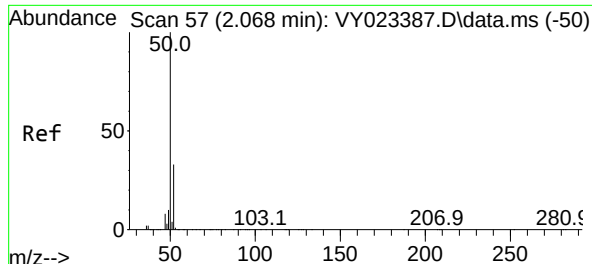
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 5.038 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 85 Resp: 23245
Ion Ratio Lower Upper
85 100
87 36.2 16.0 47.9





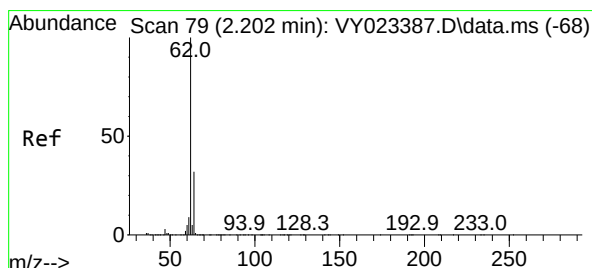
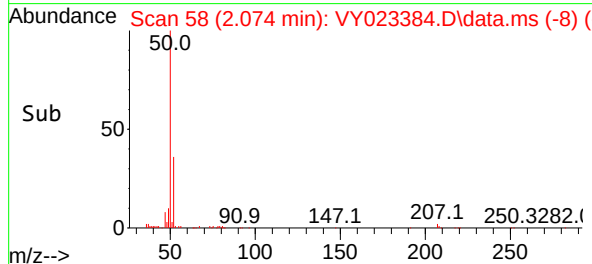
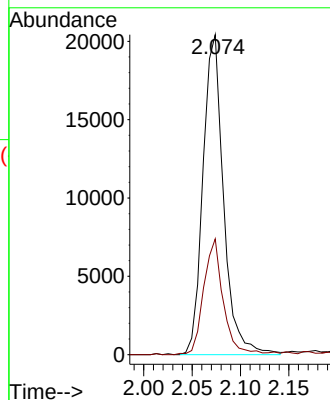
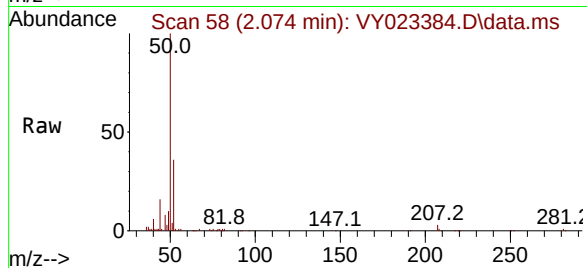
#3
Chloromethane
Concen: 4.627 ug/l
RT: 2.074 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 30340
Ion Ratio Lower Upper
50 100
52 35.8 26.2 39.2

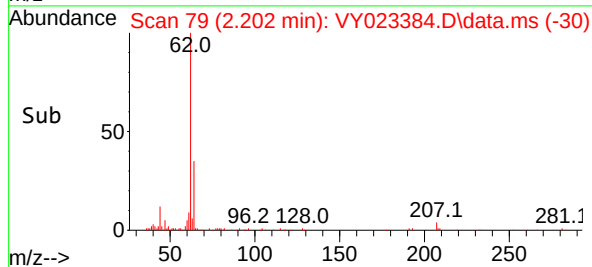
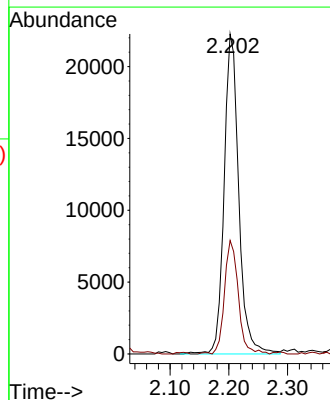
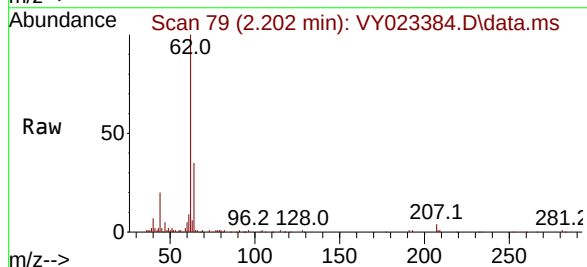
Manual Integrations
APPROVED

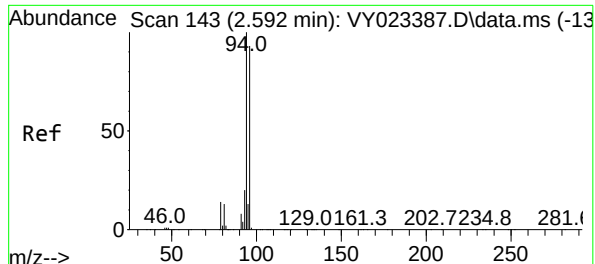
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 4.668 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 38657
Ion Ratio Lower Upper
62 100
64 35.0 25.8 38.8





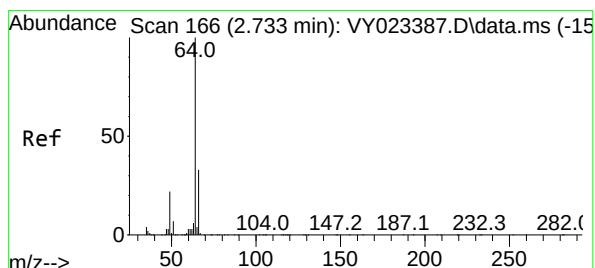
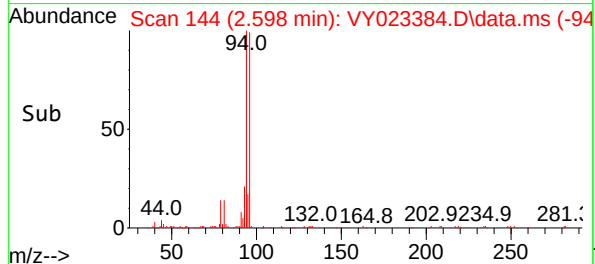
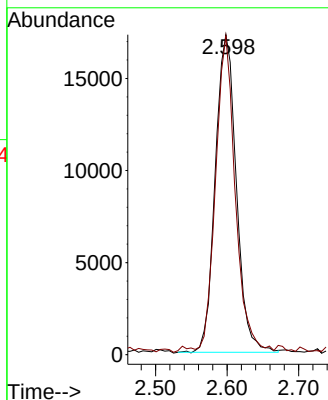
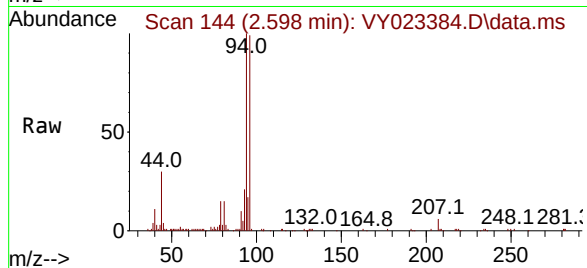
#5
Bromomethane
Concen: 5.184 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 35214
Ion Ratio Lower Upper
94 100
96 99.0 74.5 111.7

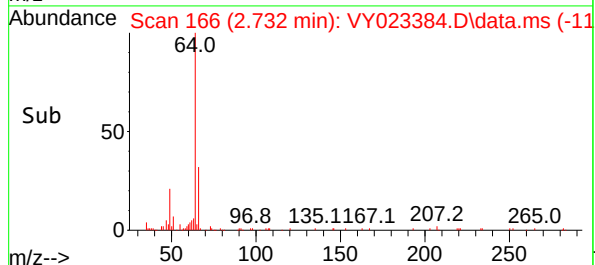
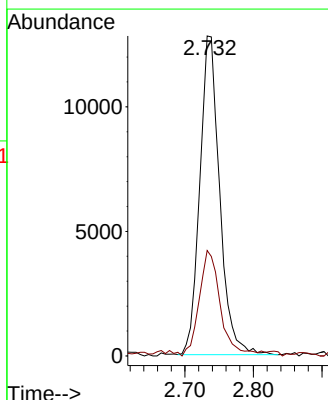
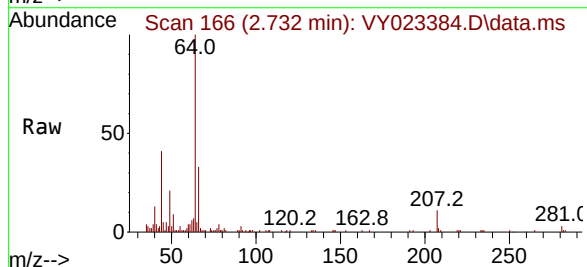
Manual Integrations
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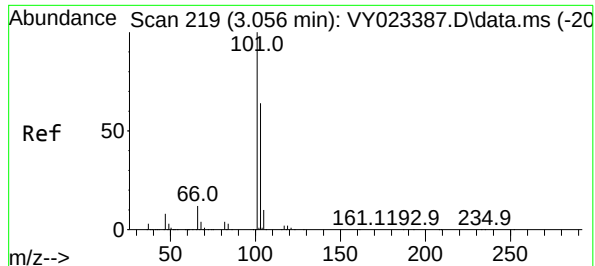
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 4.597 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 64 Resp: 25848
Ion Ratio Lower Upper
64 100
66 31.9 26.2 39.4





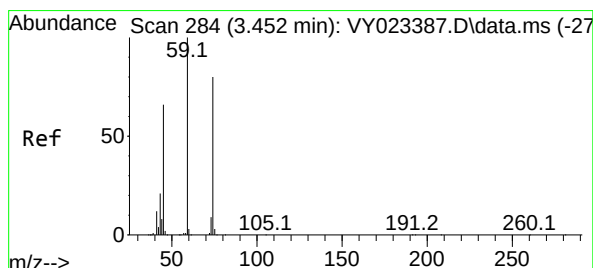
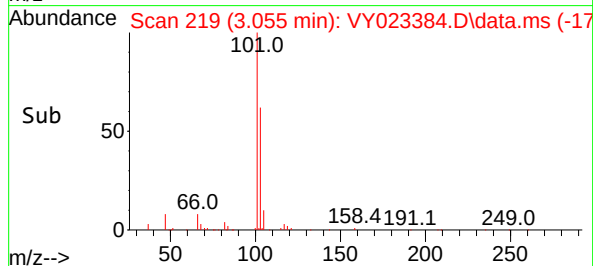
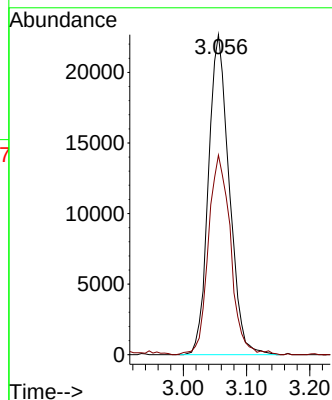
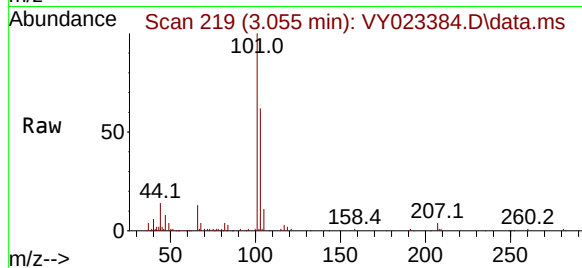
#7
Trichlorofluoromethane
Concen: 4.869 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 5179
Ion Ratio Lower Upper
101 100
103 62.4 51.3 76.9

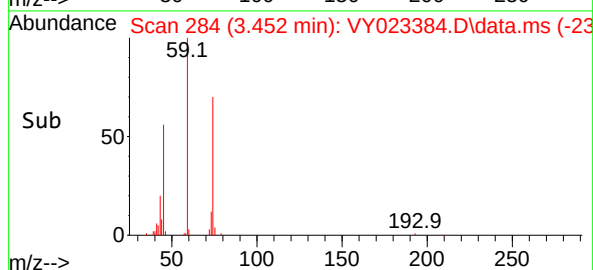
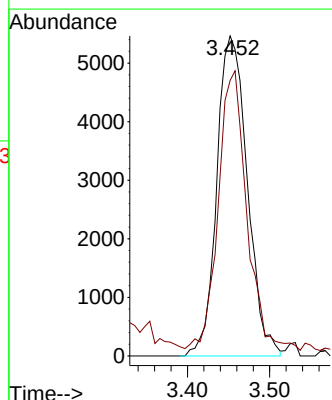
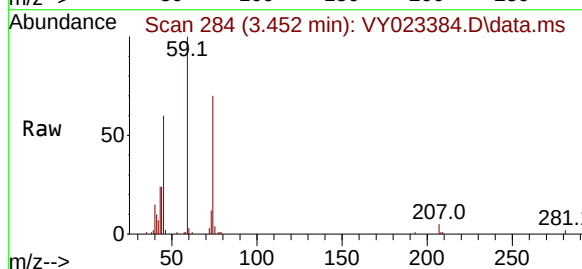
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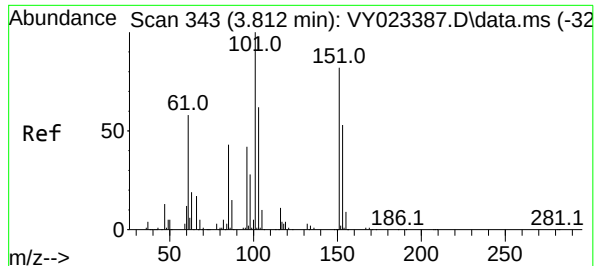
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Diethyl Ether
Concen: 5.060 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 74 Resp: 14079
Ion Ratio Lower Upper
74 100
45 82.9 39.9 119.7





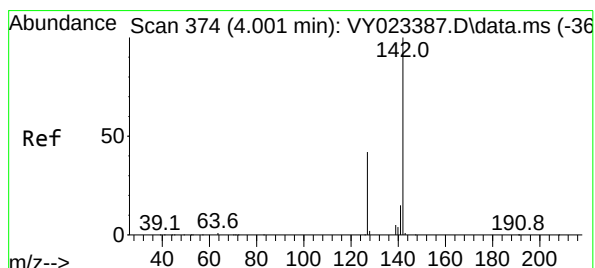
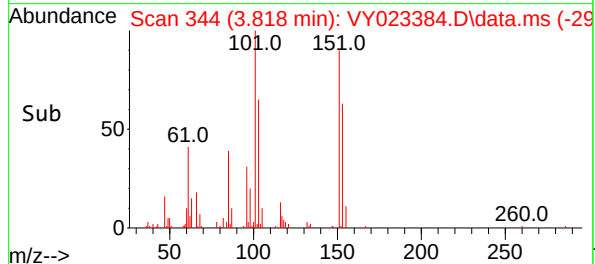
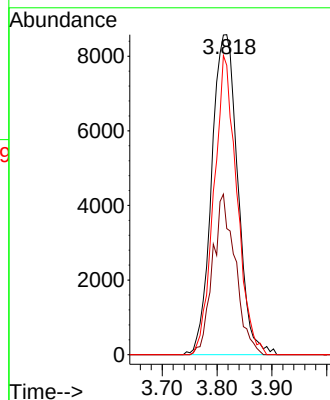
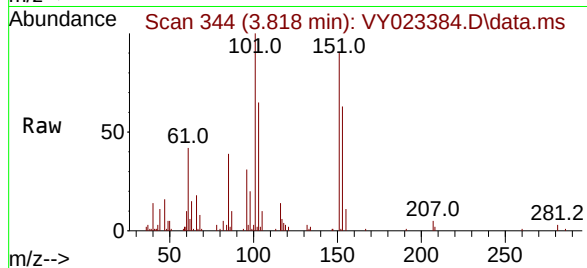
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.989 ug/l
RT: 3.818 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 2836
Ion Ratio Lower Upper
101 100
85 43.5 34.6 51.8
151 82.3 67.0 100.6

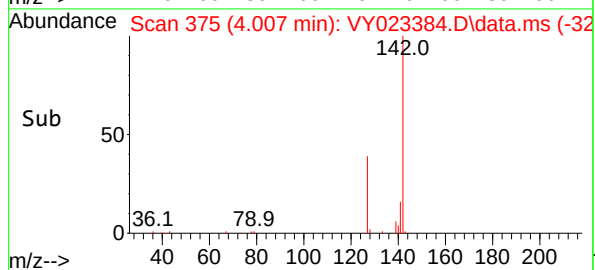
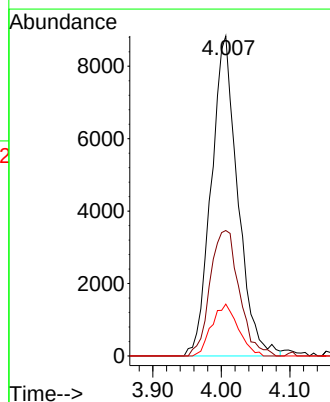
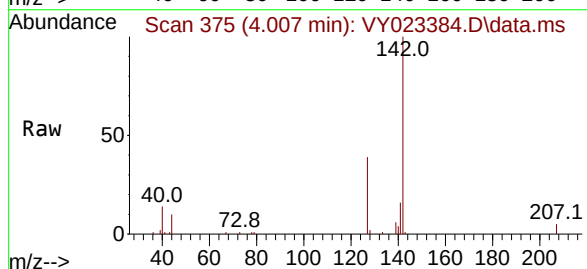
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APPROVED

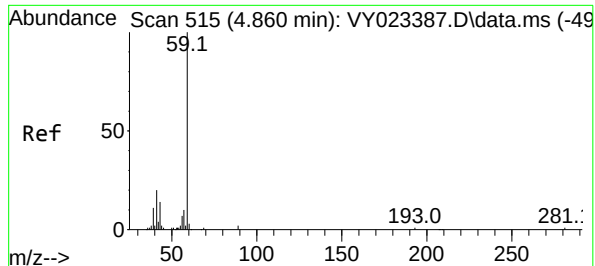
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
Methyl Iodide
Concen: 3.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:142 Resp: 23692
Ion Ratio Lower Upper
142 100
127 43.3 34.8 52.2
141 16.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 32.746 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 9774

Ion Ratio Lower Upper

59 100

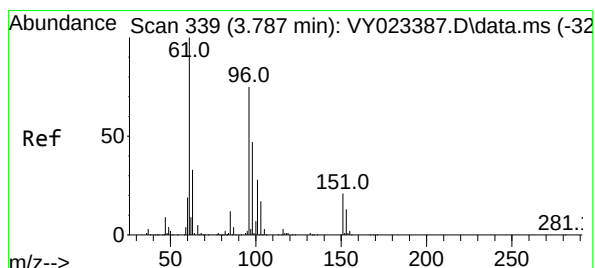
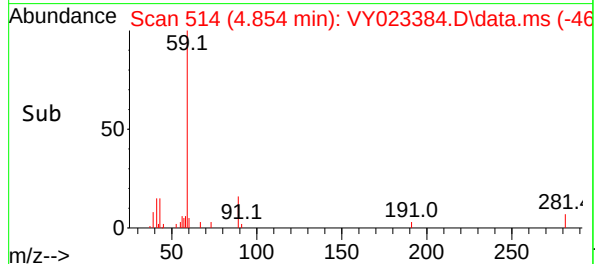
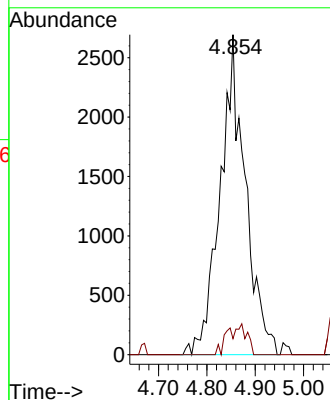
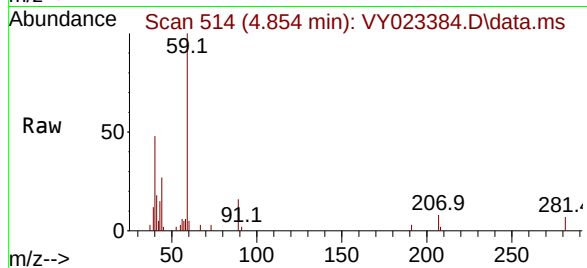
57 3.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 4.806 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

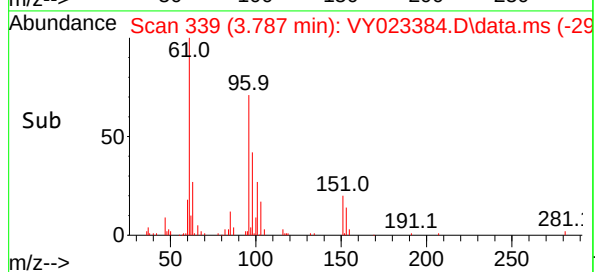
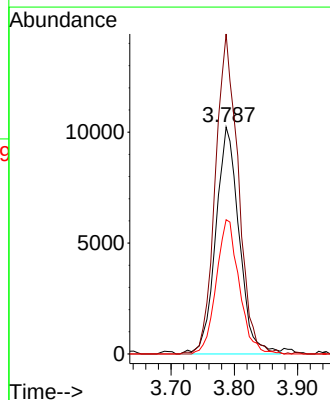
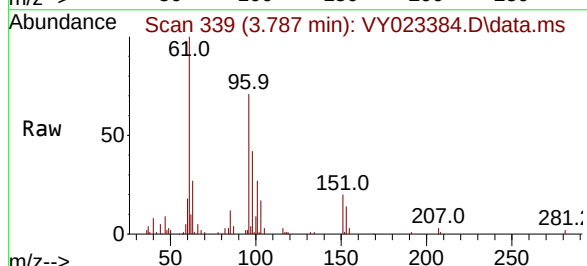
Tgt Ion: 96 Resp: 26290

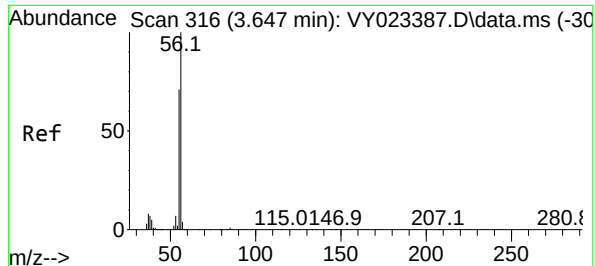
Ion Ratio Lower Upper

96 100

61 141.0 106.7 160.1

98 59.1 50.2 75.4





#13

Acrolein

Concen: 26.054 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 13170

Ion Ratio Lower Upper

56 100

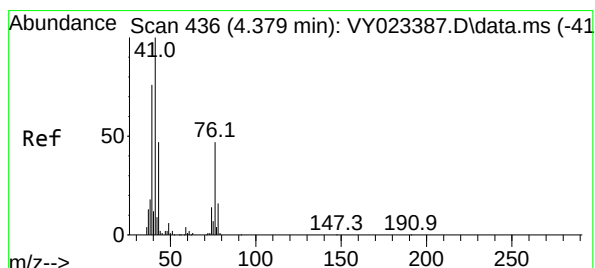
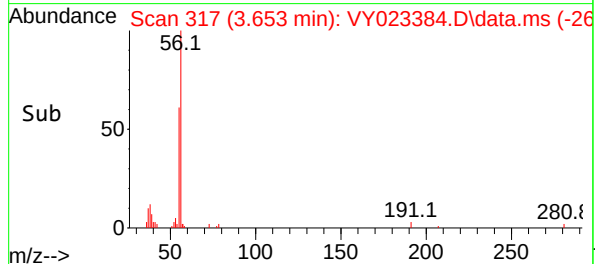
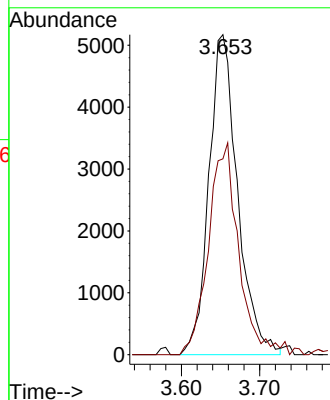
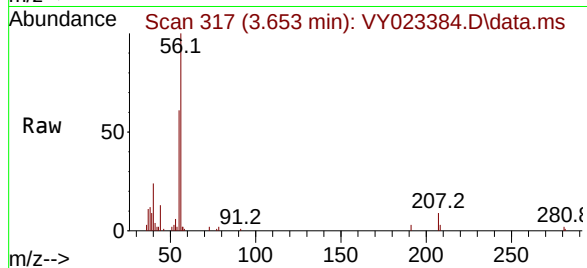
55 70.1 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 4.616 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

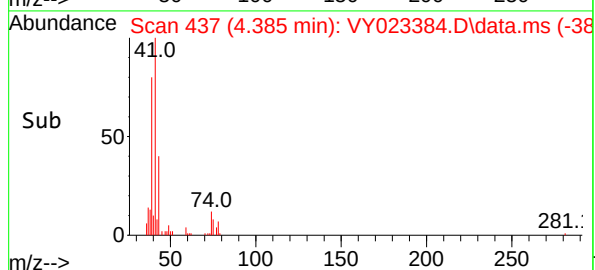
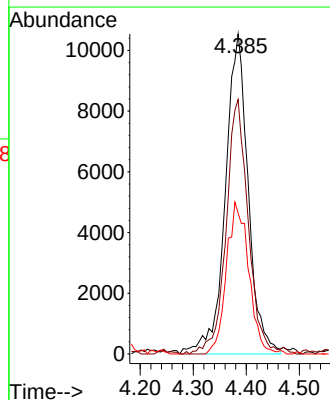
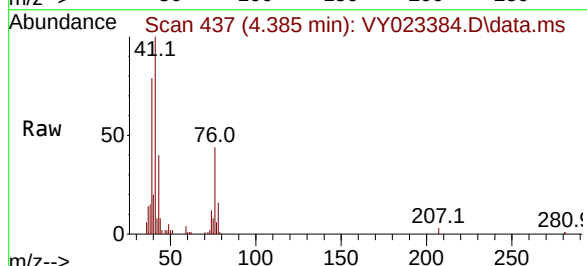
Tgt Ion: 41 Resp: 31614

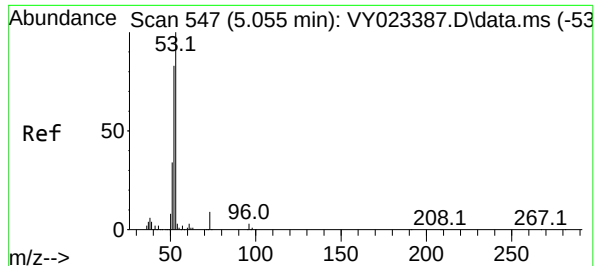
Ion Ratio Lower Upper

41 100

39 76.6 59.9 89.9

76 46.2 38.0 57.0





#15

Acrylonitrile

Concen: 23.754 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

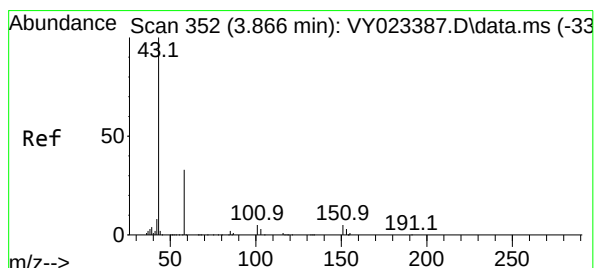
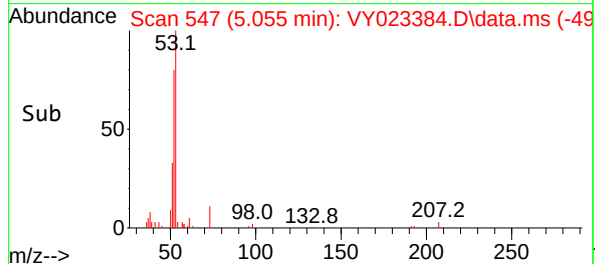
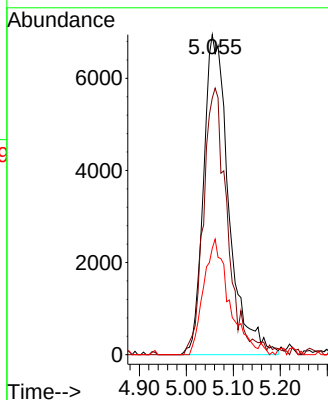
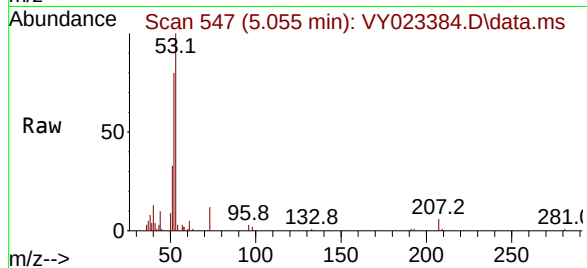
VSTDICC005

Tgt Ion:	53	Resp:	2589
Ion	Ratio	Lower	Upper
53	100		
52	79.7	64.6	97.0
51	36.3	29.5	44.3

Manual Integrations

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



#16

Acetone

Concen: 32.940 ug/l

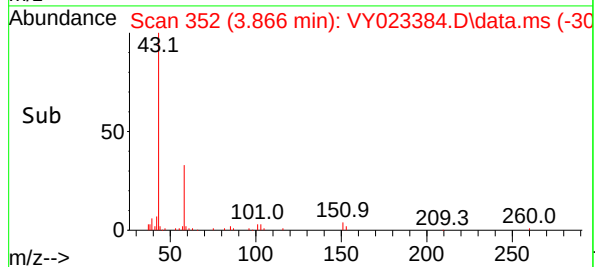
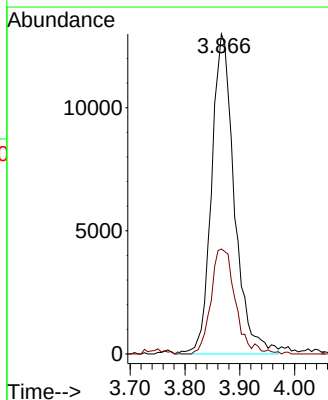
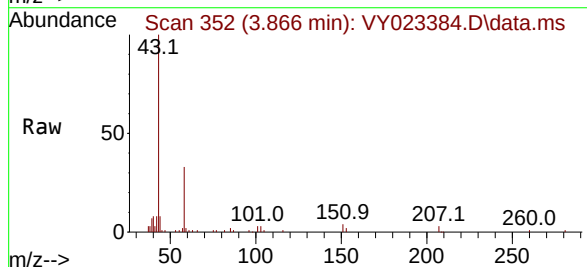
RT: 3.866 min Scan# 352

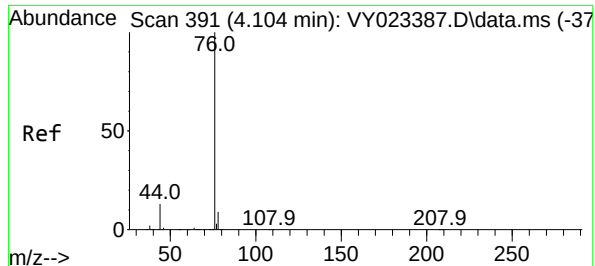
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	43	Resp:	37573
Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5





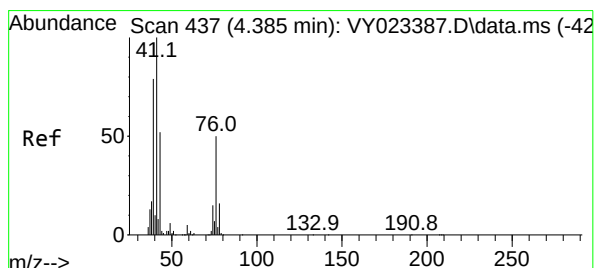
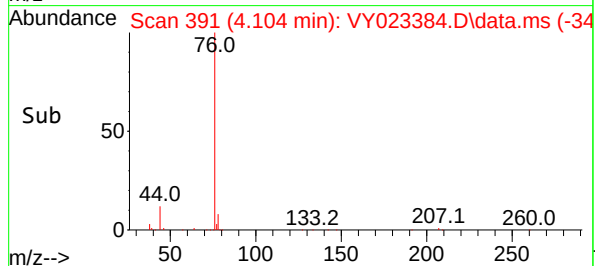
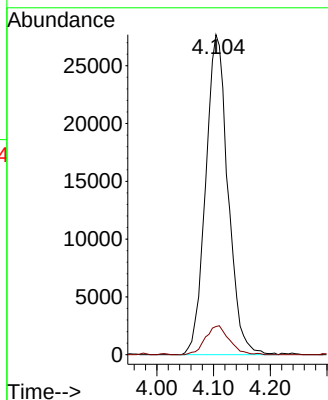
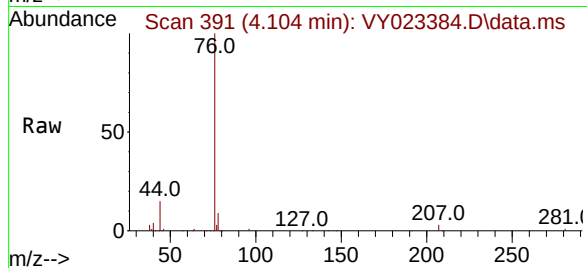
#17
Carbon Disulfide
Concen: 4.432 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 7564
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

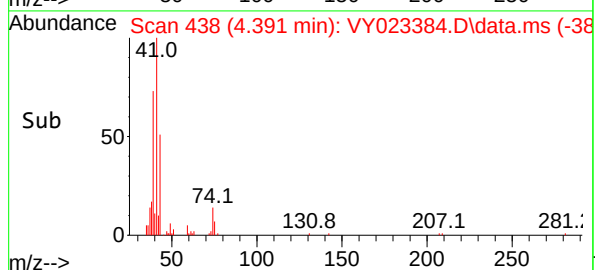
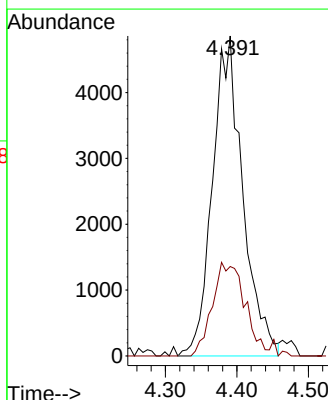
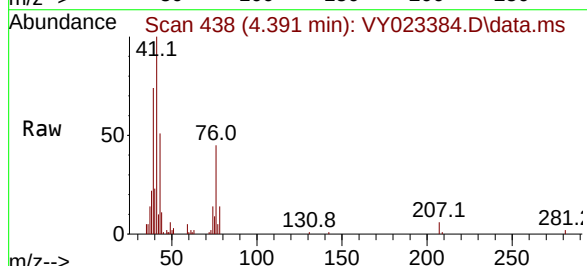
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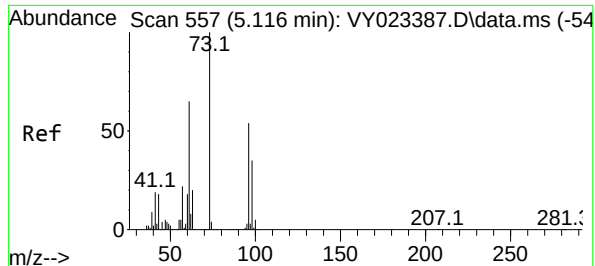
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#18
Methyl Acetate
Concen: 4.926 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 14279
Ion Ratio Lower Upper
43 100
74 31.4 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 4.600 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 58919

Ion Ratio Lower Upper

73 100

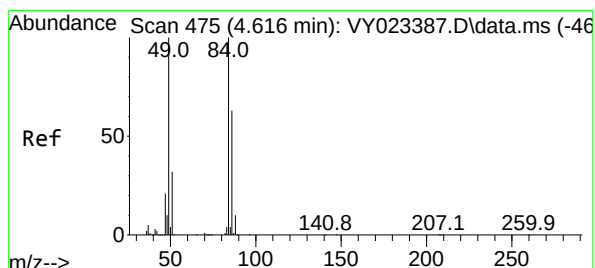
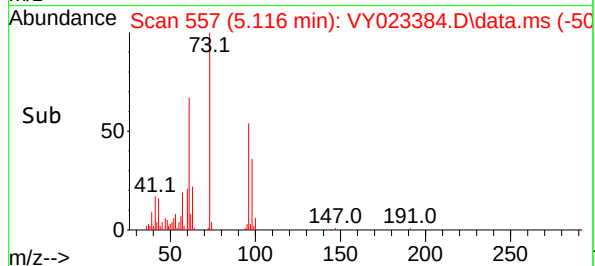
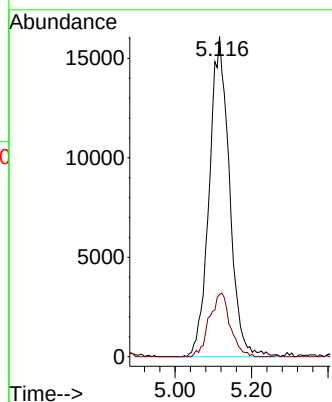
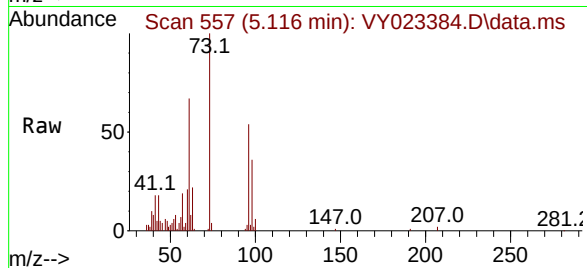
57 19.4 17.4 26.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 5.917 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion: 84 Resp: 36598

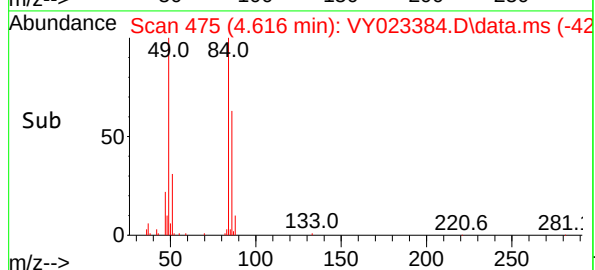
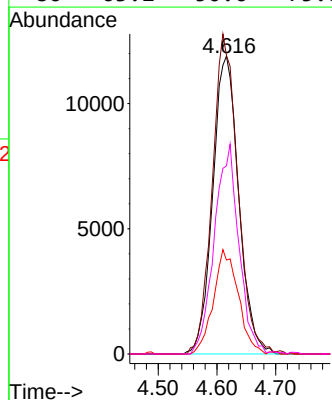
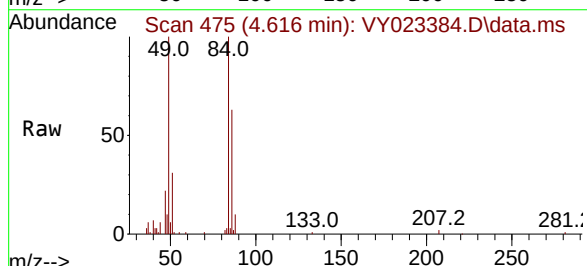
Ion Ratio Lower Upper

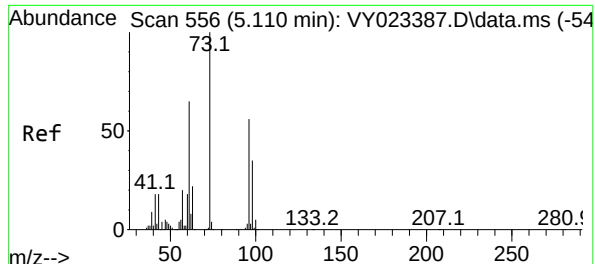
84 100

49 100.3 80.2 120.4

51 31.6 25.9 38.9

86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 4.754 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

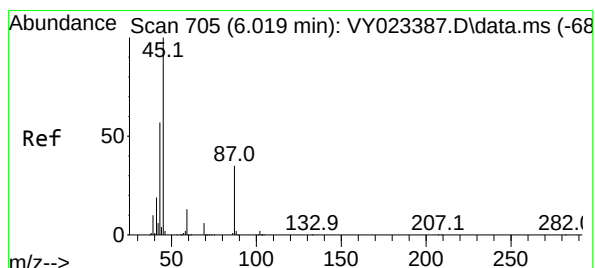
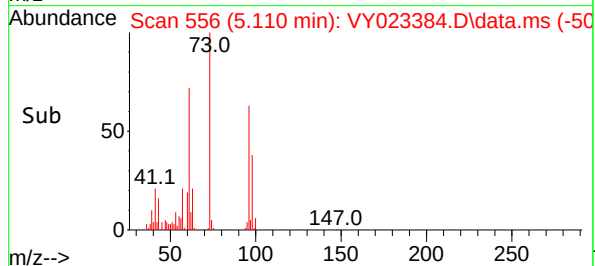
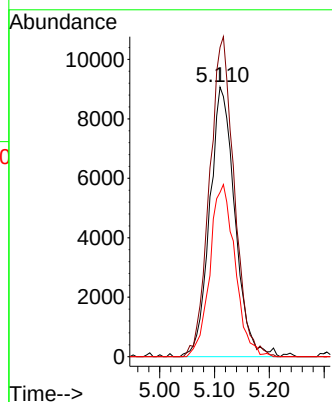
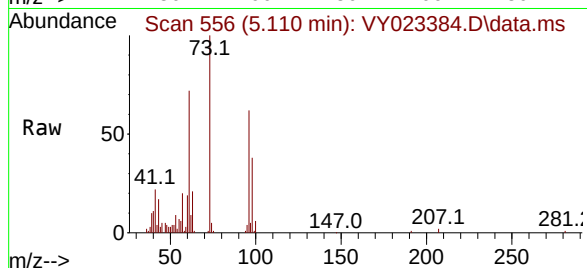
VSTDIC005

Tgt Ion:	96	Resp:	2892
Ion	Ratio	Lower	Upper
96	100		
61	114.7	92.7	139.1
98	61.0	49.7	74.5

Manual Integrations

APPROVED

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



#22

Diisopropyl ether

Concen: 4.269 ug/l

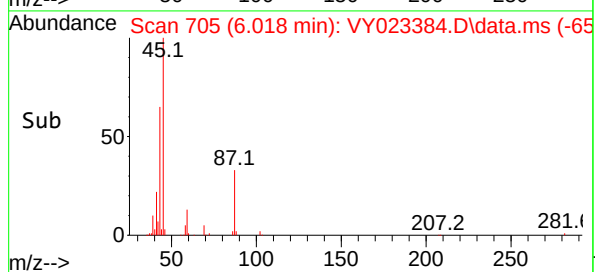
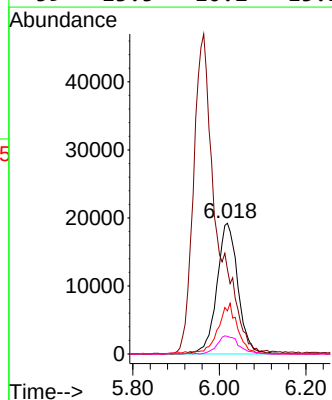
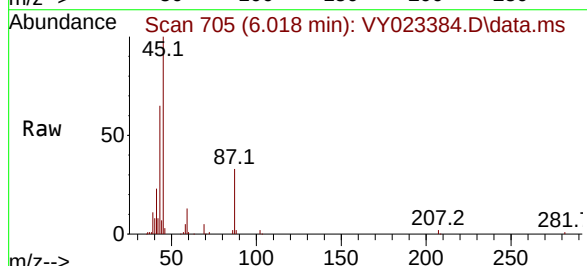
RT: 6.018 min Scan# 705

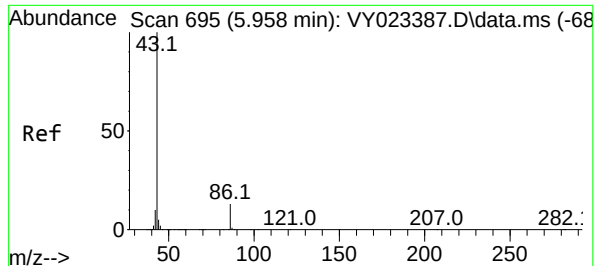
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	45	Resp:	64833
Ion	Ratio	Lower	Upper
45	100		
43	63.0	45.6	68.4
87	32.9	28.1	42.1
59	13.5	10.2	15.2





#23

Vinyl Acetate

Concen: 20.824 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 17385

Ion Ratio Lower Upper

43

100

86

13.6

10.6

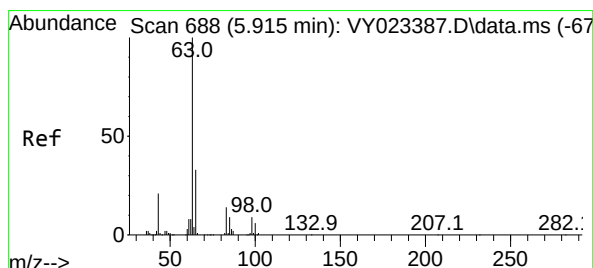
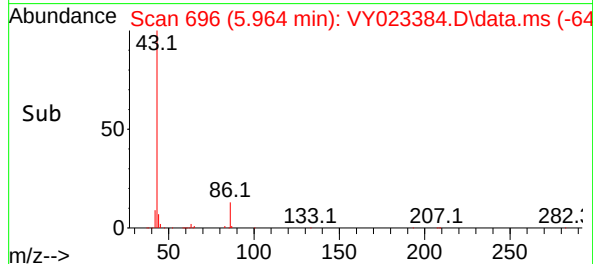
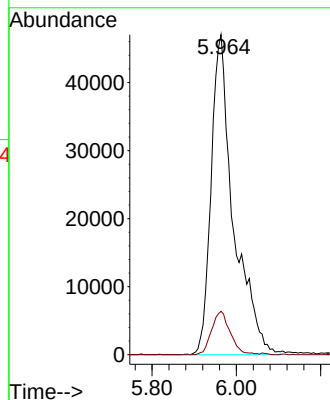
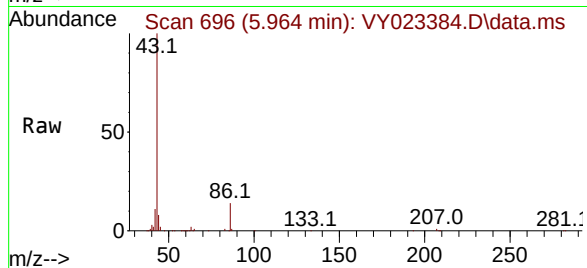
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 4.679 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 46850

Ion Ratio Lower Upper

63

100

98

8.8

4.3

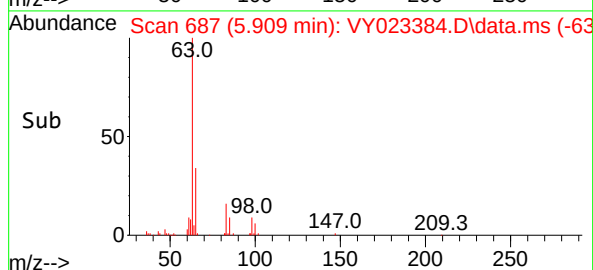
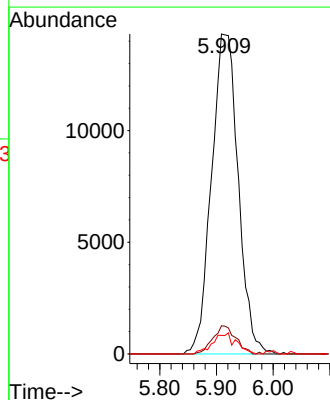
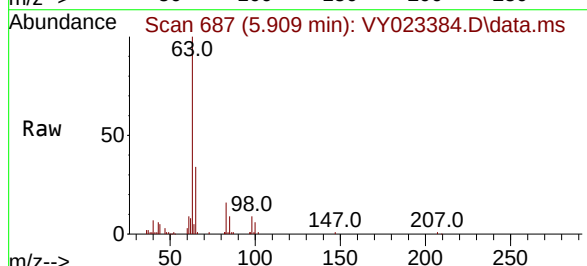
13.1

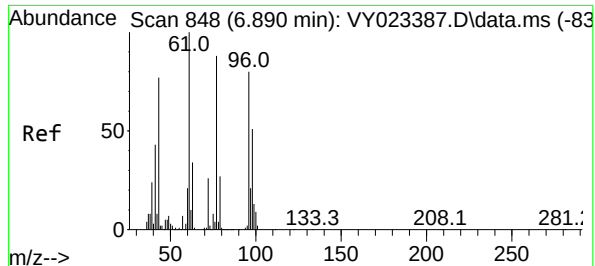
100

5.8

2.8

8.4





#25

2-Butanone

Concen: 27.656 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 38990

Ion Ratio Lower Upper

43 100

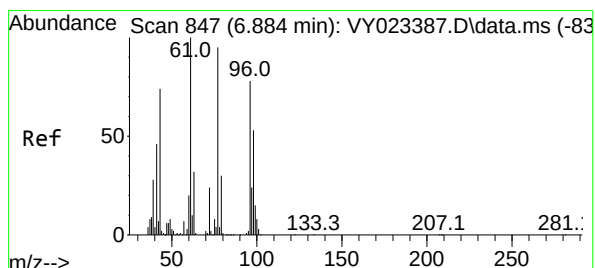
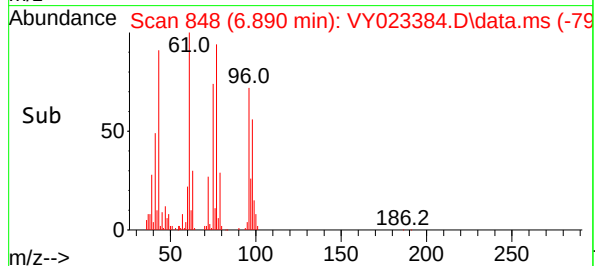
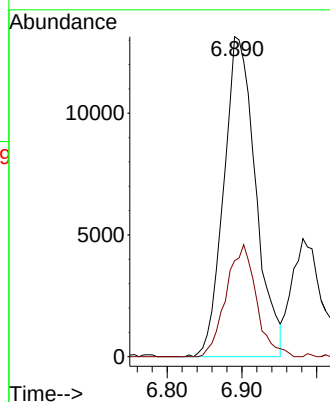
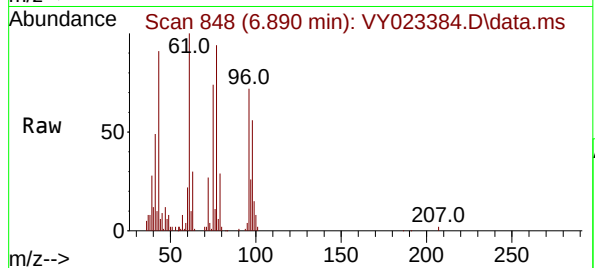
72 30.0 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 4.953 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023384.D

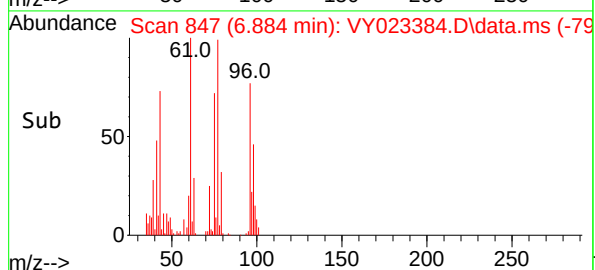
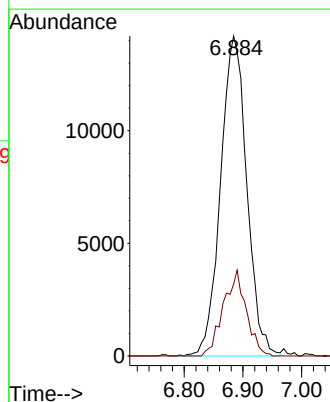
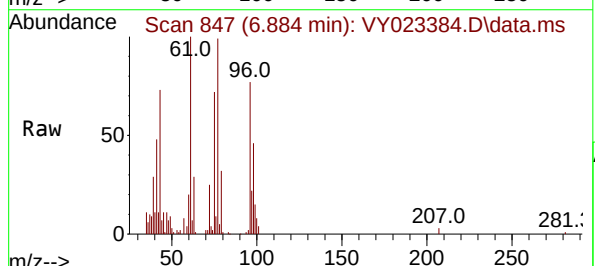
Acq: 07 Oct 2025 09:17

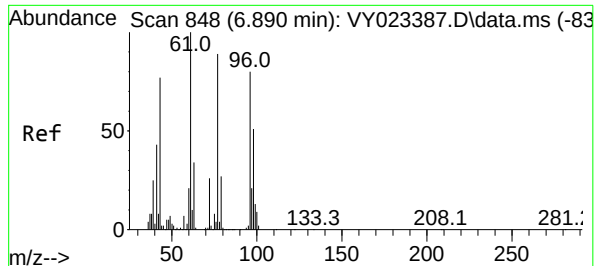
Tgt Ion: 77 Resp: 44062

Ion Ratio Lower Upper

77 100

97 23.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 4.600 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

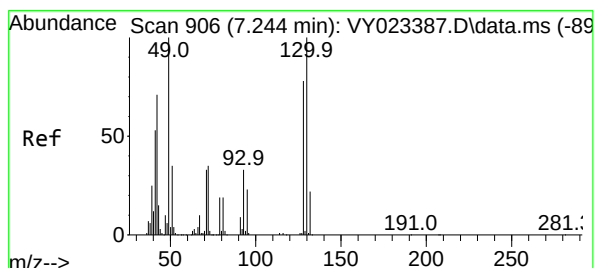
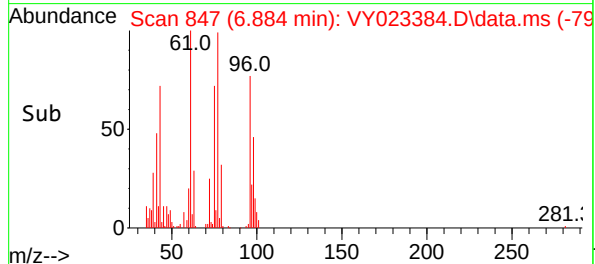
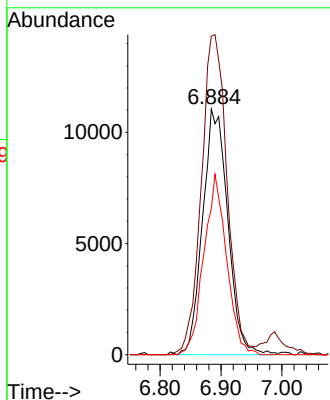
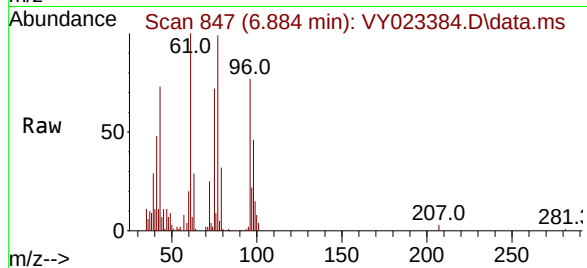
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	3174
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	258.2
98	66.1	0.0	132.0

Manual Integrations
APPROVED

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



#28

Bromochloromethane

Concen: 5.006 ug/l

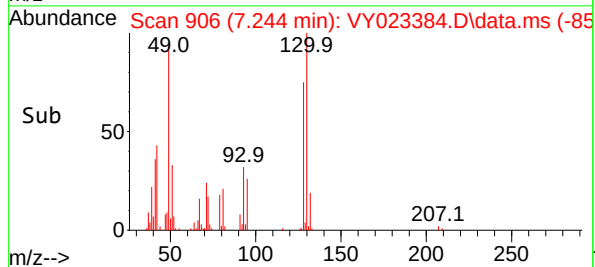
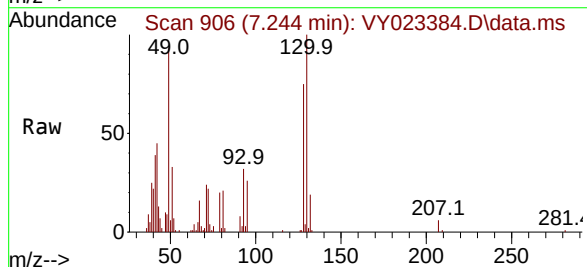
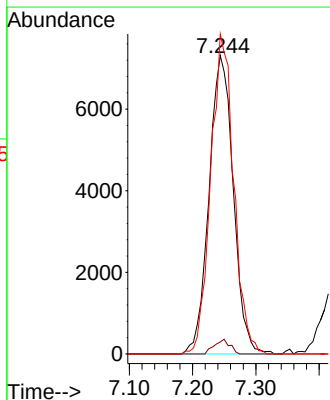
RT: 7.244 min Scan# 906

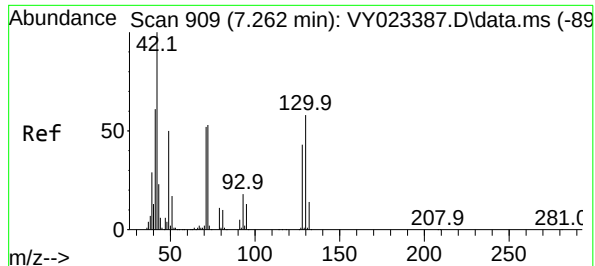
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	49	Resp:	19445
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	101.5	81.9	122.9





#29

Tetrahydrofuran

Concen: 23.059 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

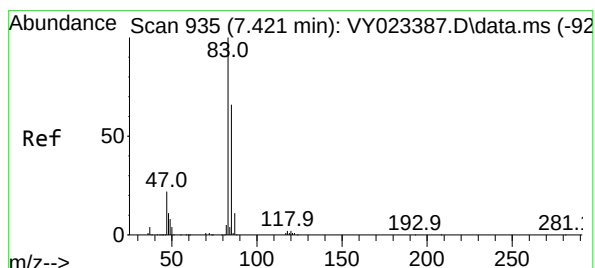
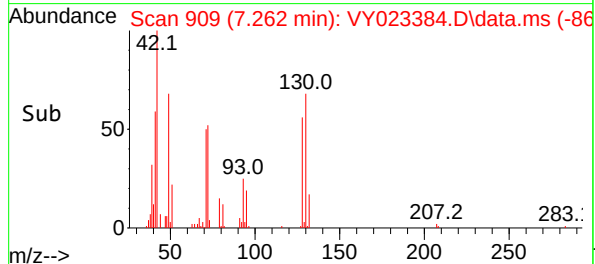
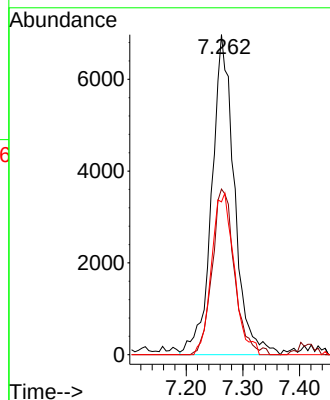
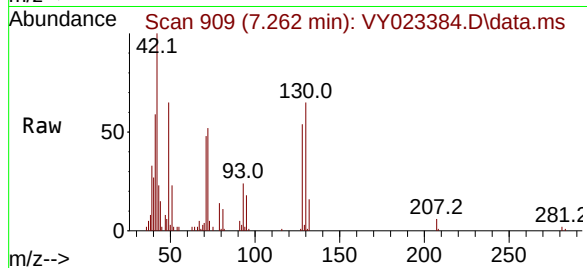
ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	19290
Ion	Ratio	Lower	Upper
42	100		
72	51.0	43.0	64.6
71	50.4	40.1	60.1

Manual Integrations
APPROVED

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



#30

Chloroform

Concen: 4.806 ug/l

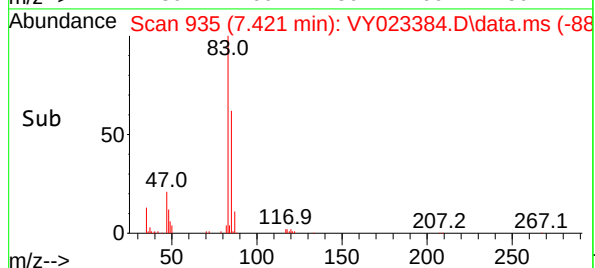
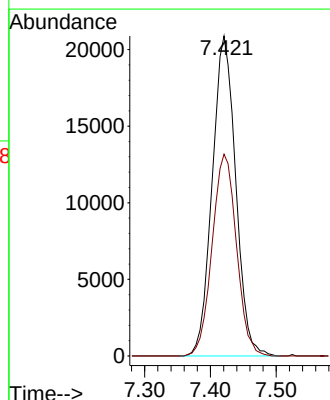
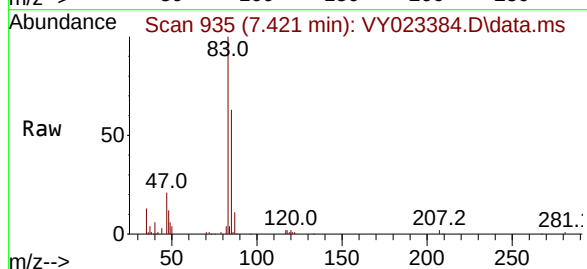
RT: 7.421 min Scan# 935

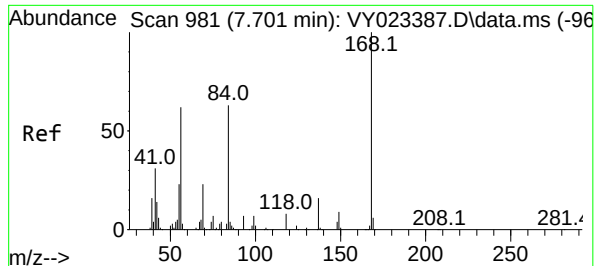
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	83	Resp:	51887
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7





#31

Cyclohexane

Concen: 5.279 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 46679

Ion Ratio Lower Upper

56 100

69 62.0 30.0 45.0

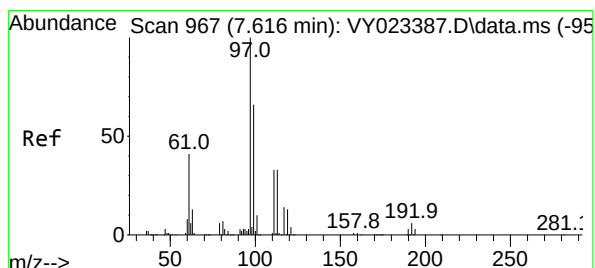
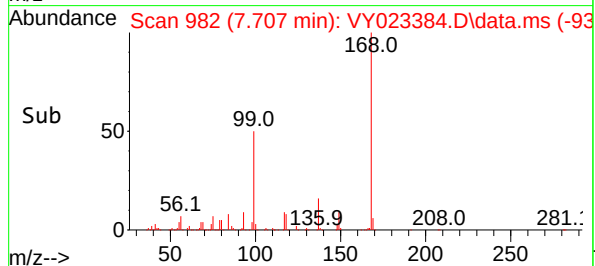
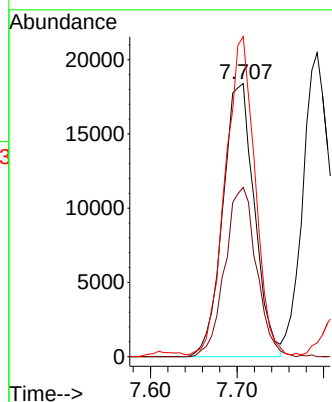
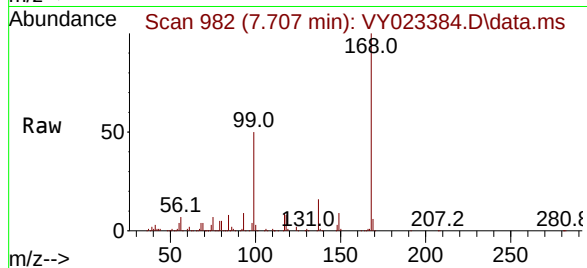
84 115.8 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 4.881 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

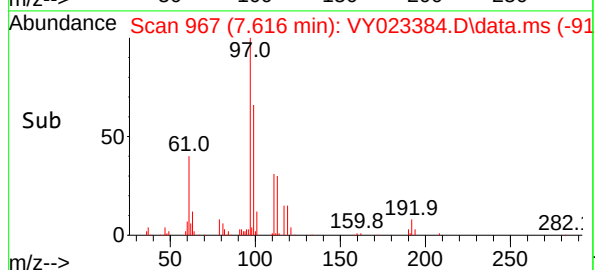
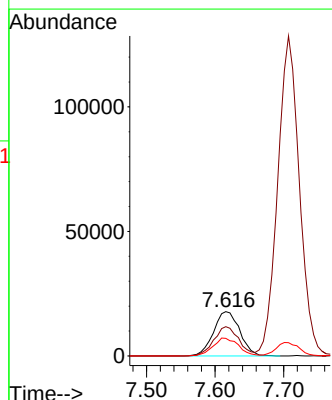
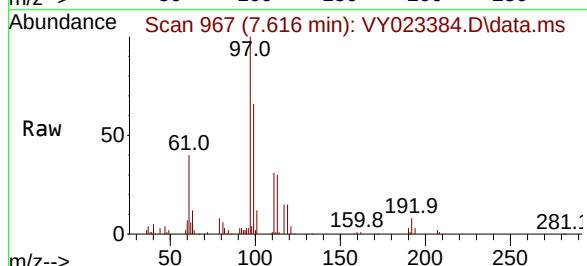
Tgt Ion: 97 Resp: 47305

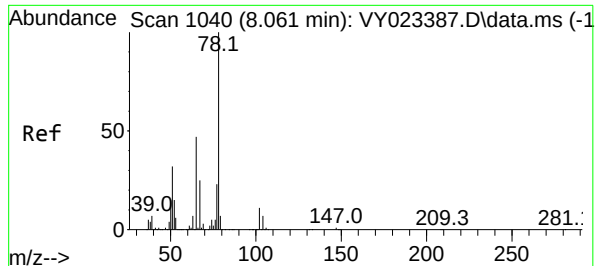
Ion Ratio Lower Upper

97 100

99 63.1 51.4 77.2

61 39.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 5.258 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 26670

Ion Ratio Lower Upper

65 100

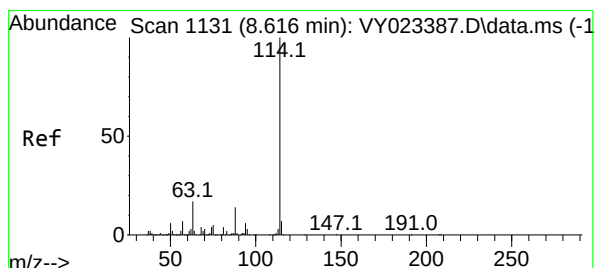
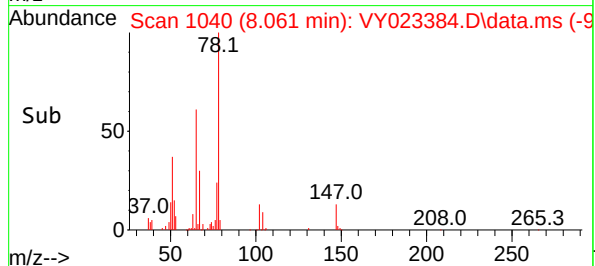
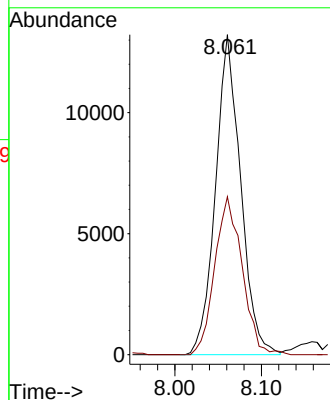
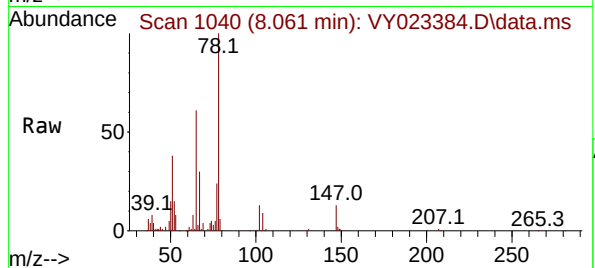
67 53.7 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

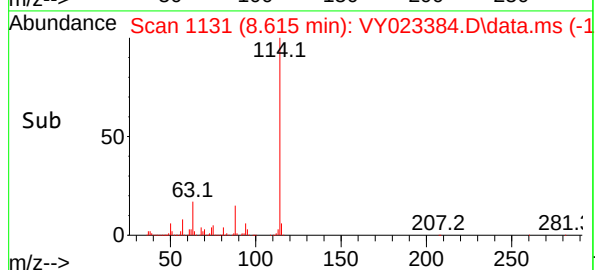
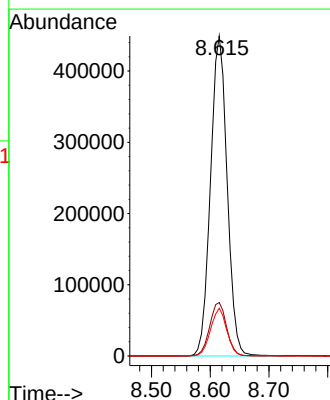
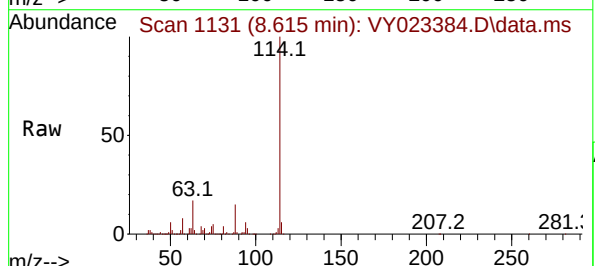
Tgt Ion:114 Resp: 882488

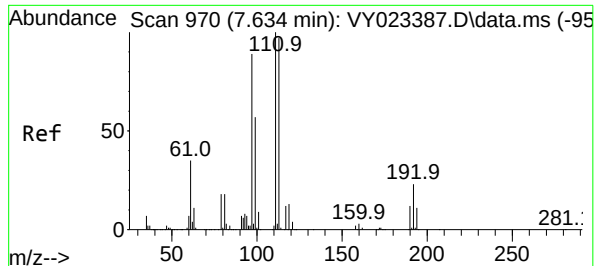
Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 14.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 5.126 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 2745

Ion Ratio Lower Upper

113 100

111 99.0 81.8 122.6

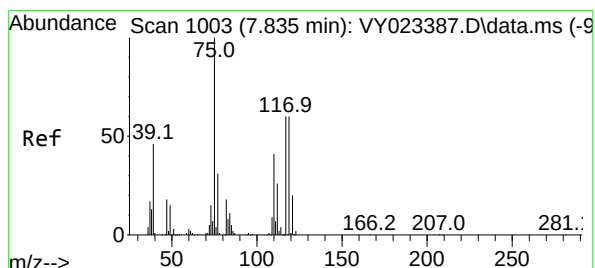
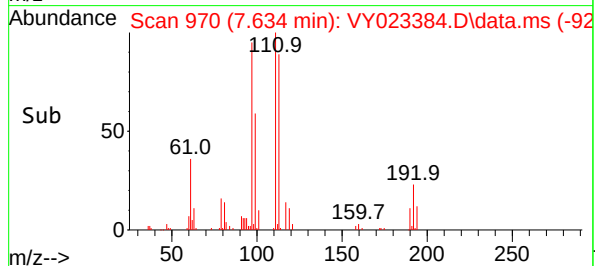
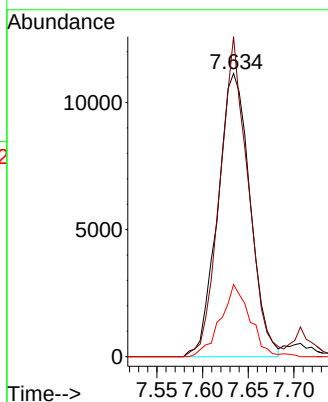
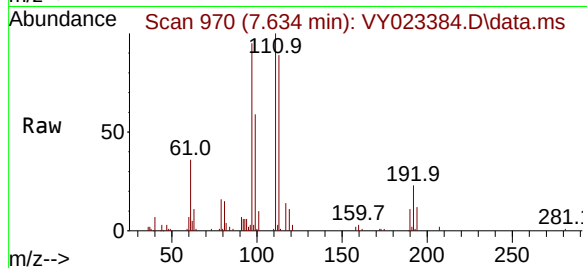
192 23.4 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

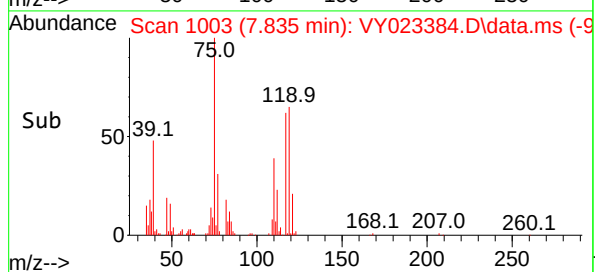
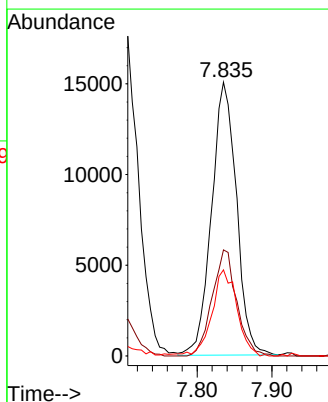
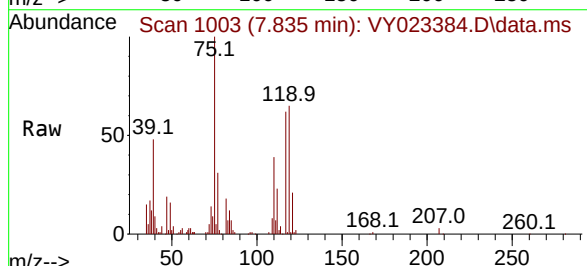
Tgt Ion: 75 Resp: 34888

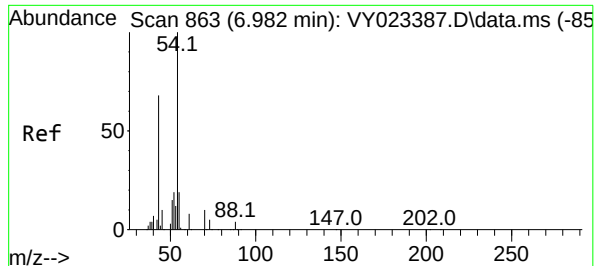
Ion Ratio Lower Upper

75 100

110 38.3 19.9 59.7

77 32.1 25.0 37.6





#37

Ethyl Acetate

Concen: 4.379 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

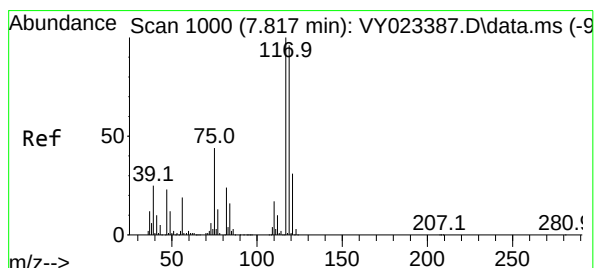
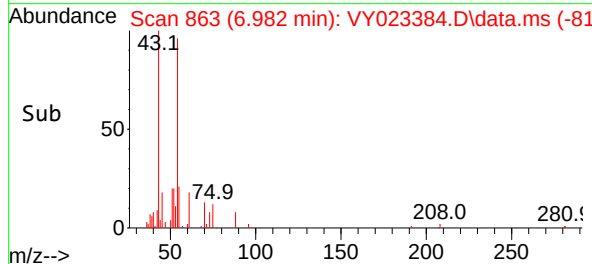
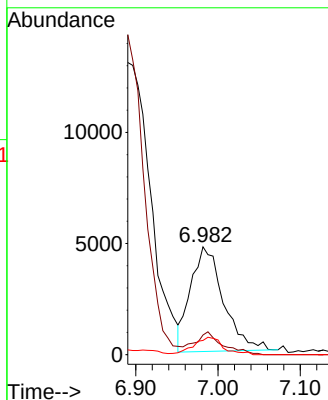
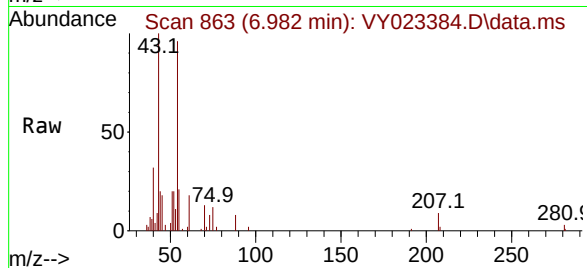
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	1308
Ion	Ratio	Lower	Upper
43	100		
61	18.2	11.8	17.8
70	15.0	10.5	15.7

Manual Integrations
APPROVED

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



#38

Carbon Tetrachloride

Concen: 4.859 ug/l

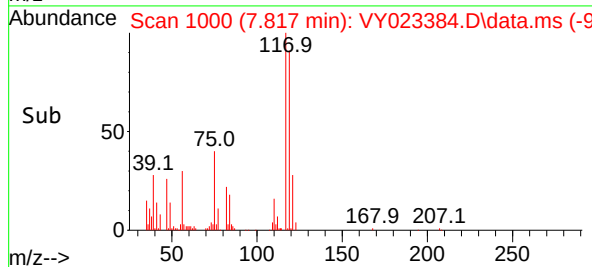
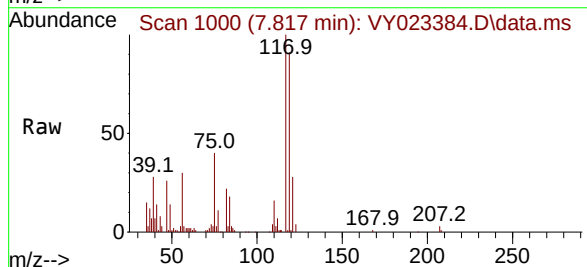
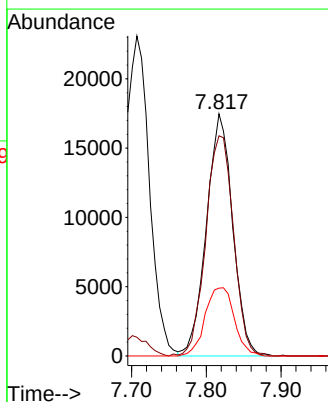
RT: 7.817 min Scan# 1000

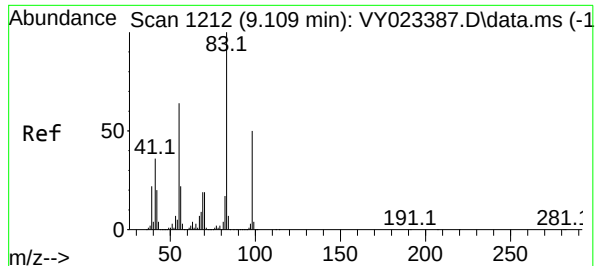
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	117	Resp:	42654
Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.8	115.2
121	28.0	24.5	36.7





#39

Methylcyclohexane

Concen: 4.479 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

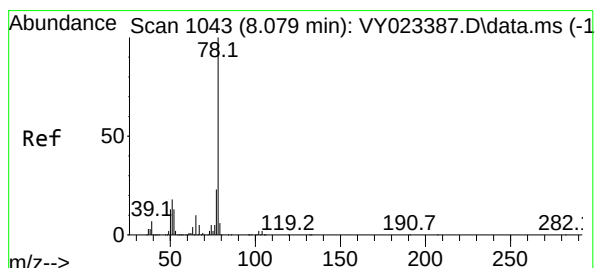
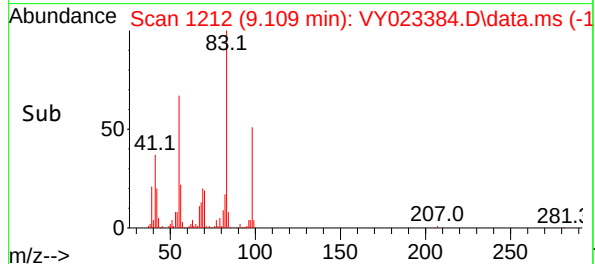
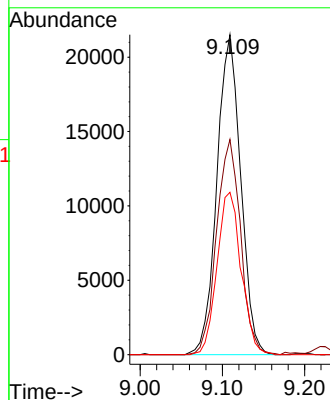
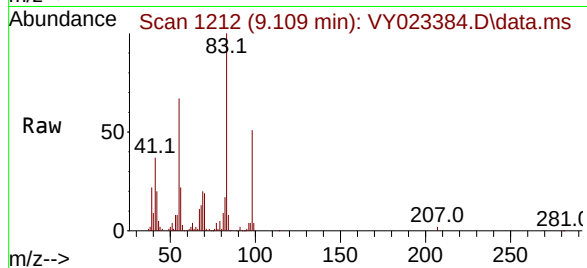
VSTDIC005

Tgt Ion:	83	Resp:	43329
Ion	Ratio	Lower	Upper
83	100		
55	67.2	51.4	77.2
98	50.8	40.4	60.6

Manual Integrations

APPROVED

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



#40

Benzene

Concen: 4.693 ug/l

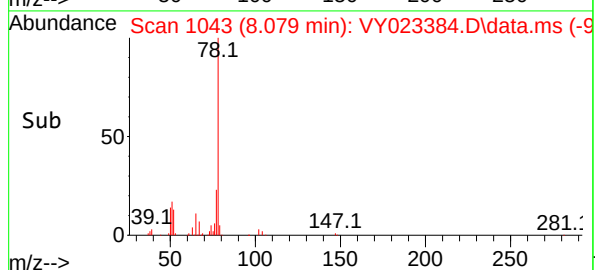
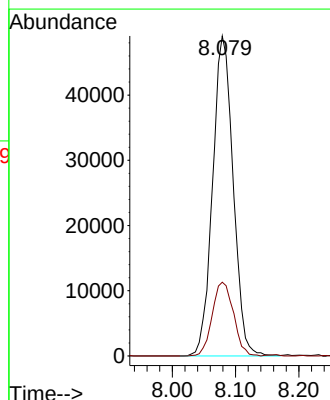
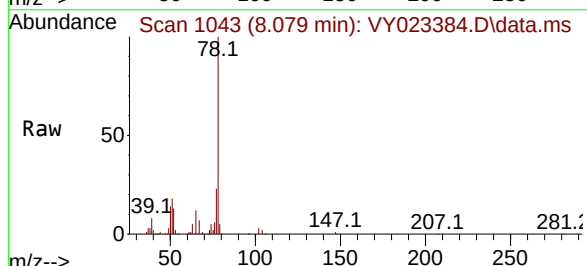
RT: 8.079 min Scan# 1043

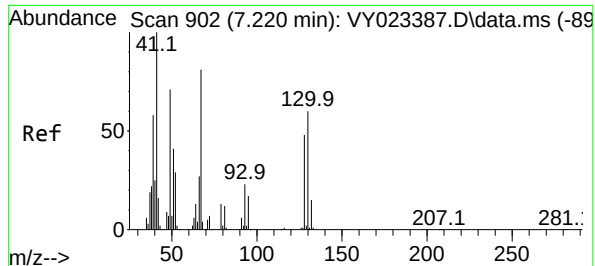
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

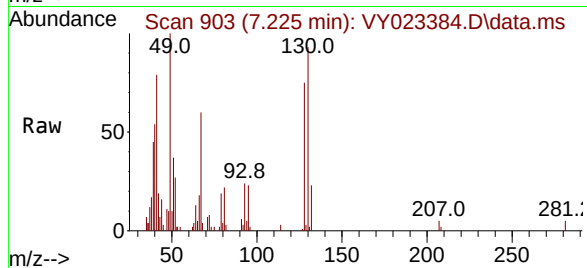
Tgt Ion:	78	Resp:	110551
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5





#41
Methacrylonitrile
Concen: 4.658 ug/l m
RT: 7.225 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

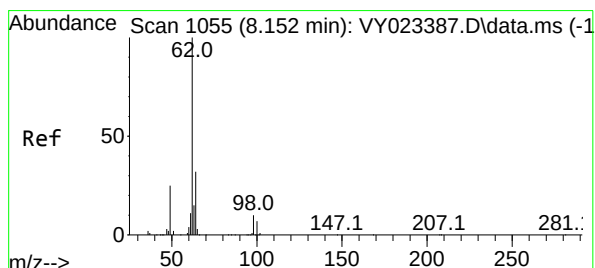
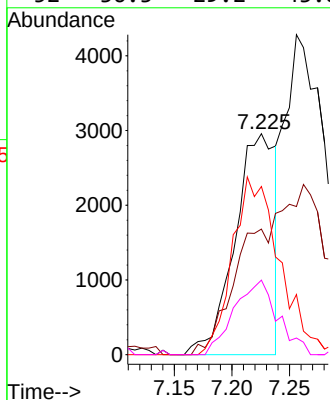
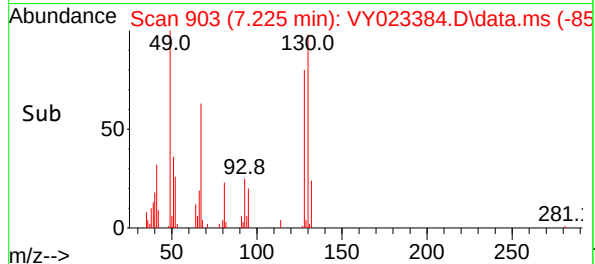
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



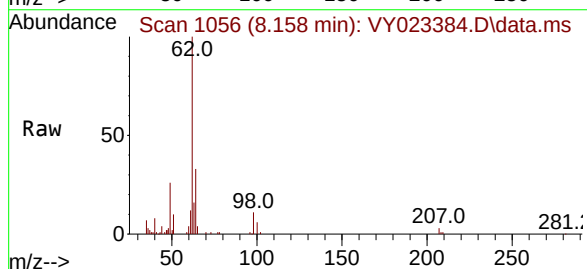
Tgt Ion: 41 Resp: 7220
Ion Ratio Lower Upper
41 100
39 0.0 52.2 78.4
67 95.1 74.9 112.3
52 36.3 29.2 43.8

Manual Integrations
APPROVED

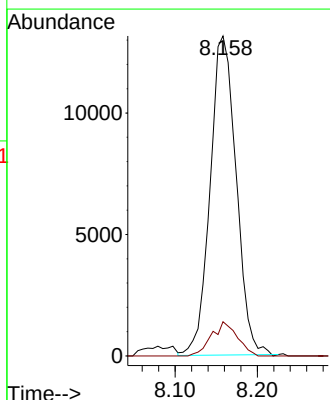
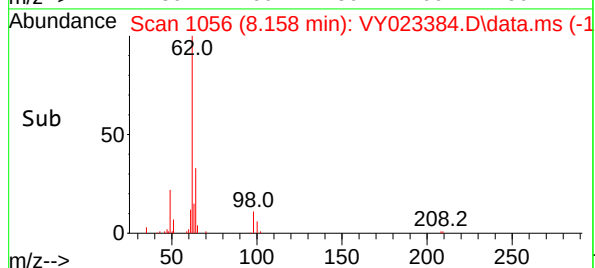
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

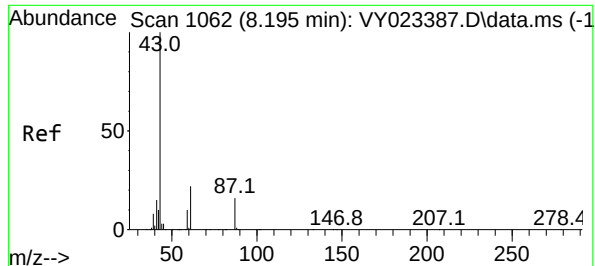


#42
1,2-Dichloroethane
Concen: 4.828 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17



Tgt Ion: 62 Resp: 28940
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.6





#43

Isopropyl Acetate

Concen: 4.503 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

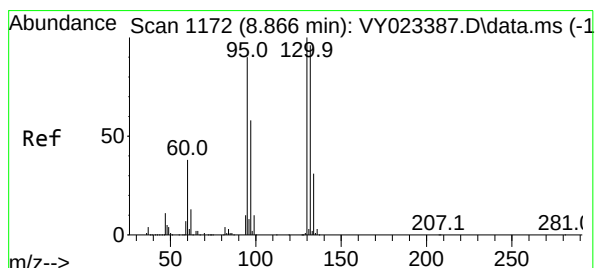
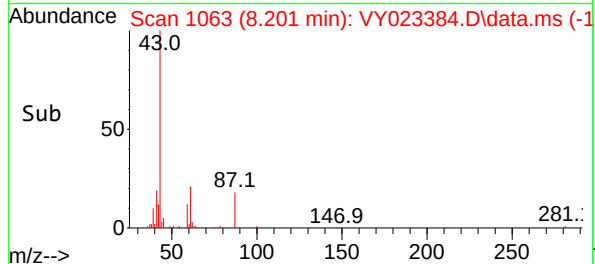
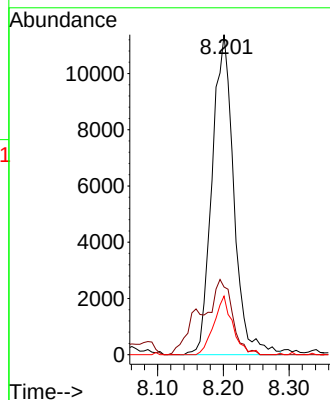
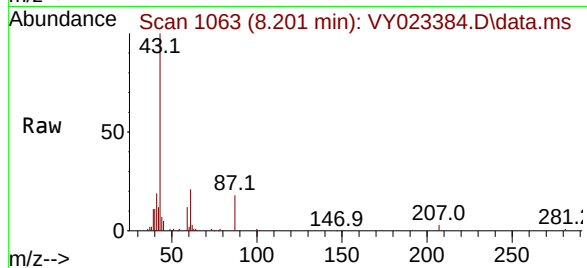
VSTDICC005

Tgt Ion: 43	Resp: 2616
Ion Ratio	Lower Upper
43 100	
61 22.6	18.1 27.1
87 15.9	13.5 20.3

Manual Integrations

APPROVED

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



#44

Trichloroethene

Concen: 5.077 ug/l

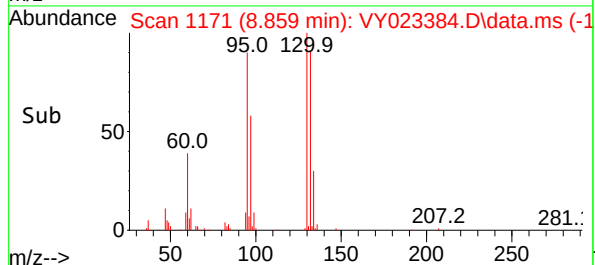
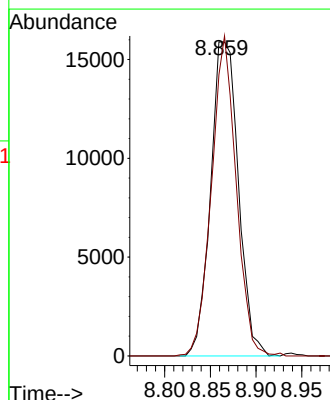
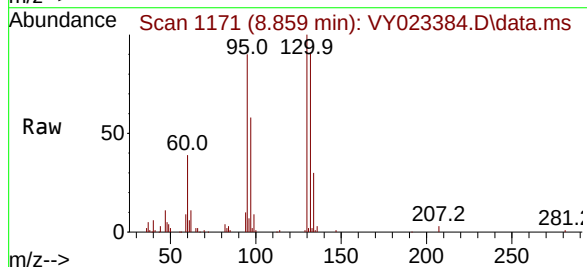
RT: 8.859 min Scan# 1171

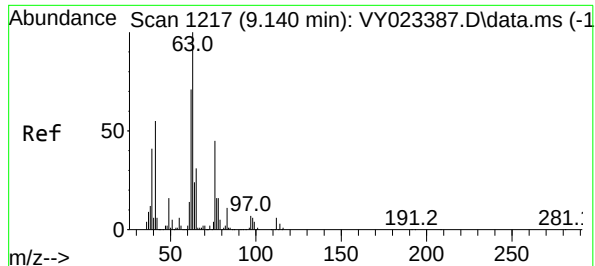
Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:130	Resp: 33564
Ion Ratio	Lower Upper
130 100	
95 89.2	0.0 180.6





#45

1,2-Dichloropropane

Concen: 4.595 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 2435

Ion Ratio Lower Upper

63 100

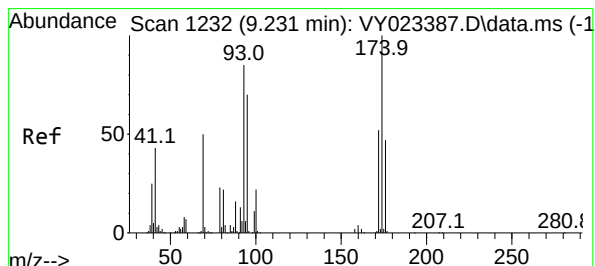
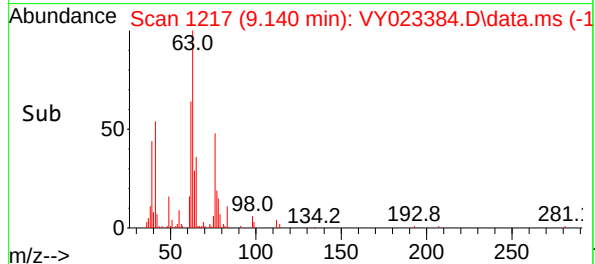
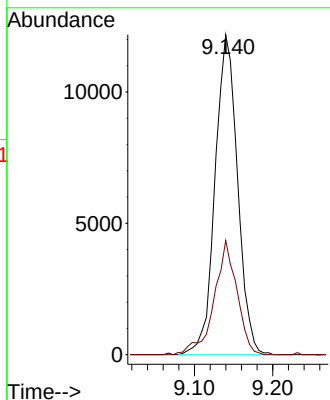
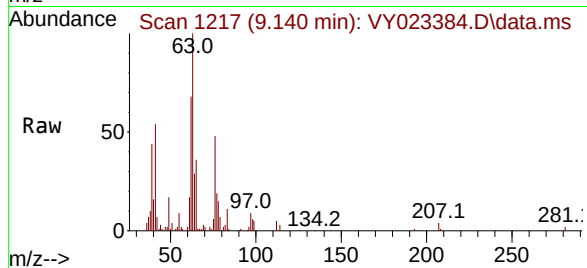
65 35.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 4.682 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

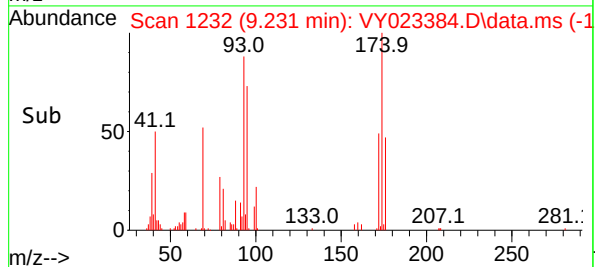
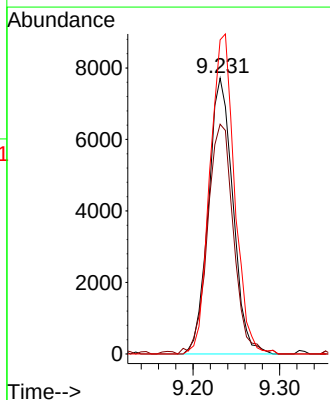
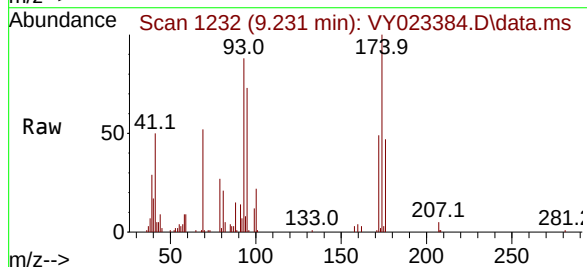
Tgt Ion: 93 Resp: 15179

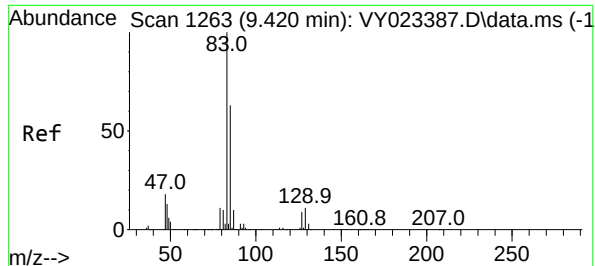
Ion Ratio Lower Upper

93 100

95 87.6 65.4 98.0

174 116.2 92.9 139.3





#47

Bromodichloromethane

Concen: 4.756 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

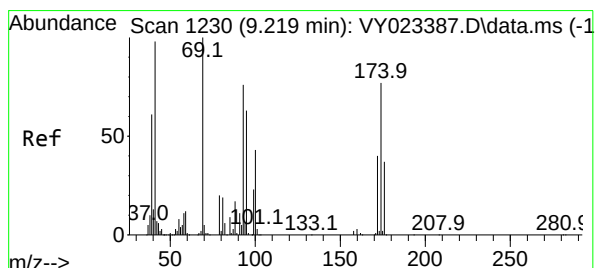
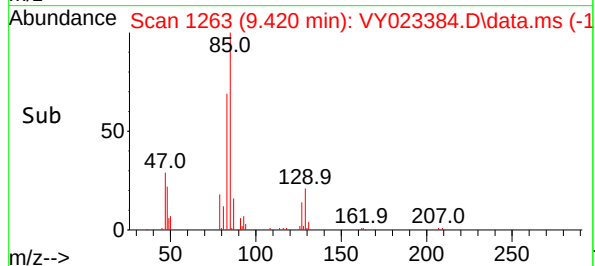
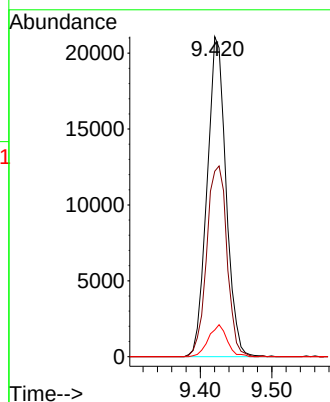
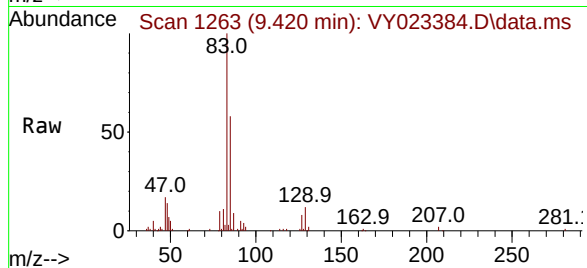
VSTDIC005

Tgt Ion:	83	Resp:	3881
Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.8	76.2
127	8.4	7.4	11.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

Concen: 4.071 ug/l

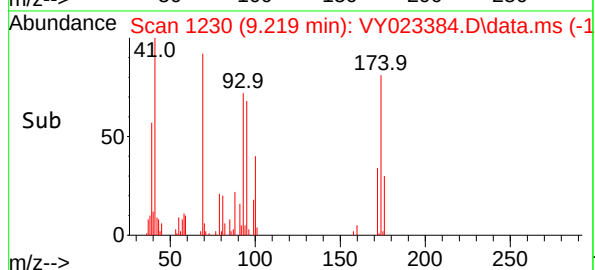
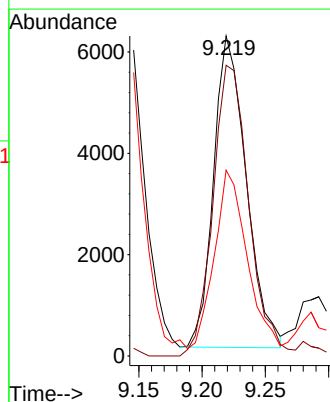
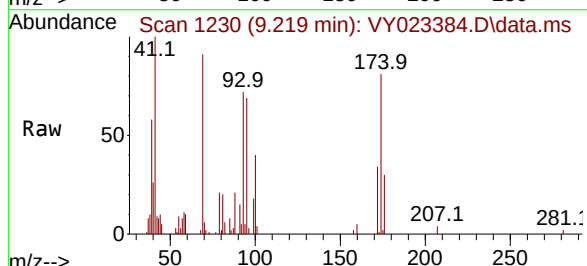
RT: 9.219 min Scan# 1230

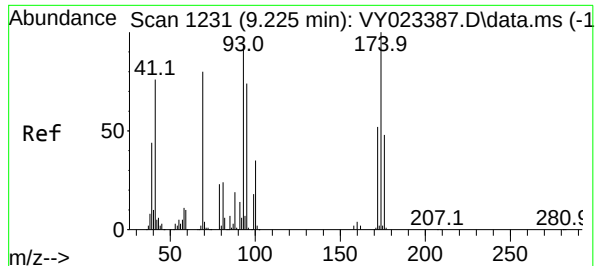
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	41	Resp:	11038
Ion	Ratio	Lower	Upper
41	100		
69	102.5	81.0	121.4
39	62.4	48.2	72.4





#49

1,4-Dioxane

Concen: 96.953 ug/l

RT: 9.219 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

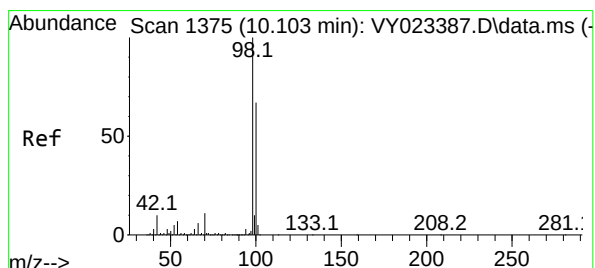
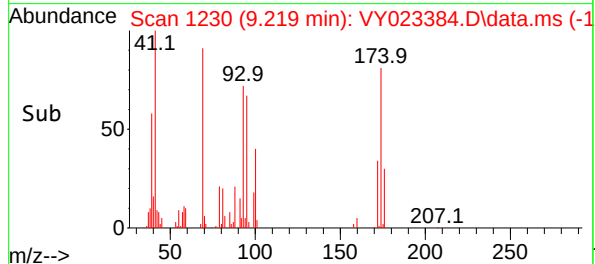
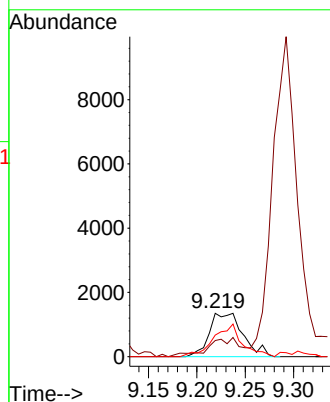
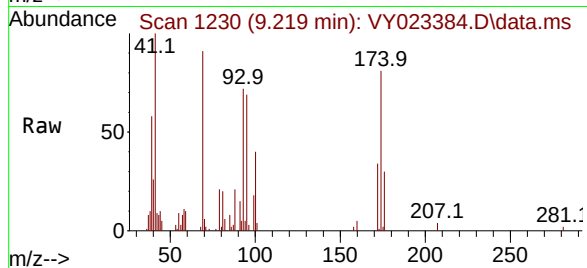
VSTDICC005

Tgt Ion:	88	Resp:	325
Ion	Ratio	Lower	Upper
88	100		
43	43.1	21.8	32.8
58	63.4	46.8	70.2

Manual Integrations

APPROVED

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



#50

Toluene-d8

Concen: 4.946 ug/l

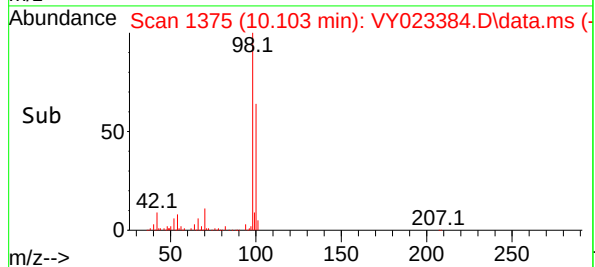
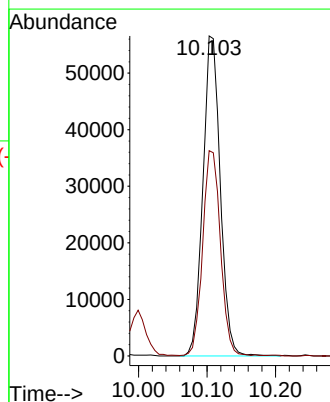
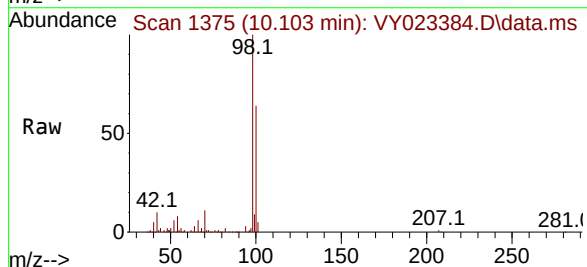
RT: 10.103 min Scan# 1375

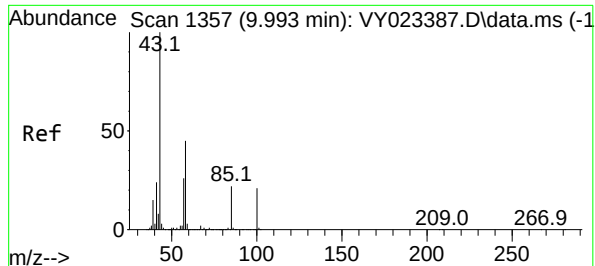
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	98	Resp:	99905
Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 20.925 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 62279

Ion Ratio Lower Upper

43 100

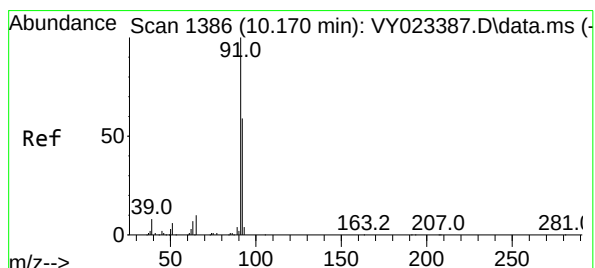
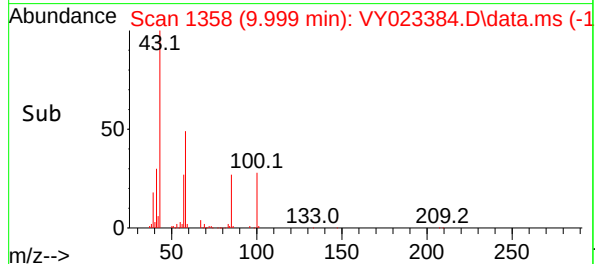
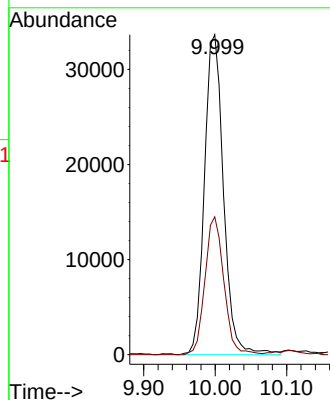
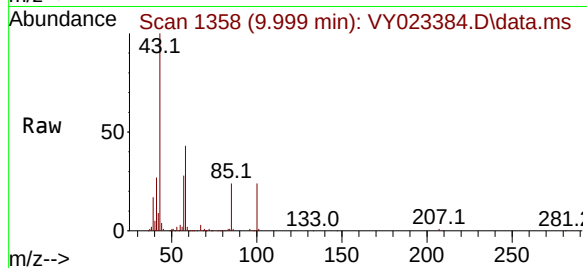
58 42.7 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Toluene

Concen: 4.585 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023384.D

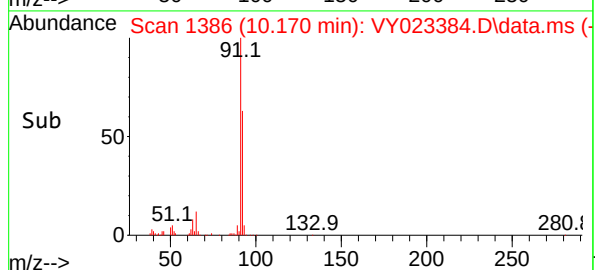
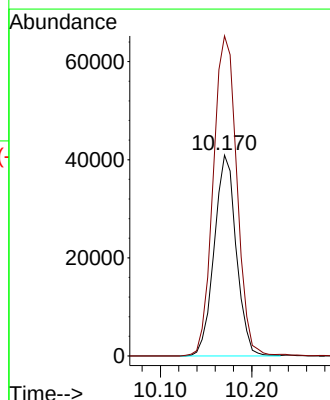
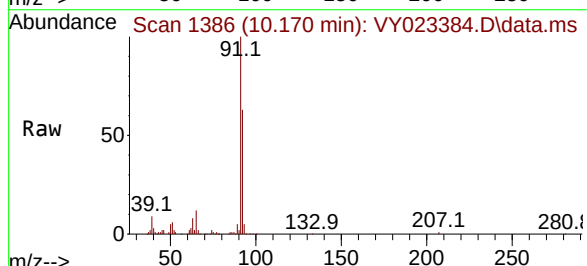
Acq: 07 Oct 2025 09:17

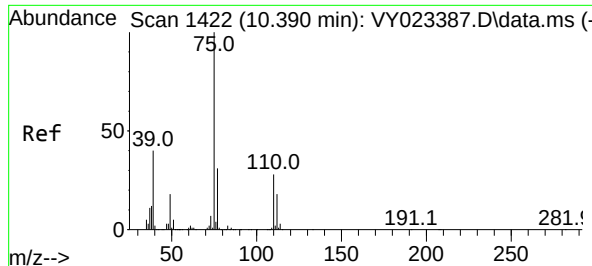
Tgt Ion: 92 Resp: 68550

Ion Ratio Lower Upper

92 100

91 171.2 136.4 204.6





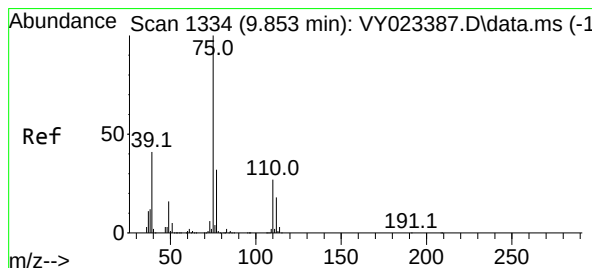
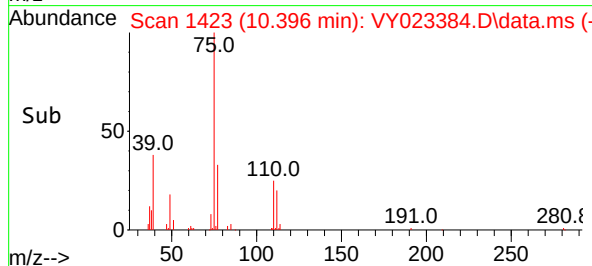
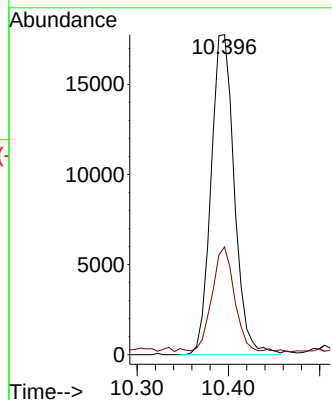
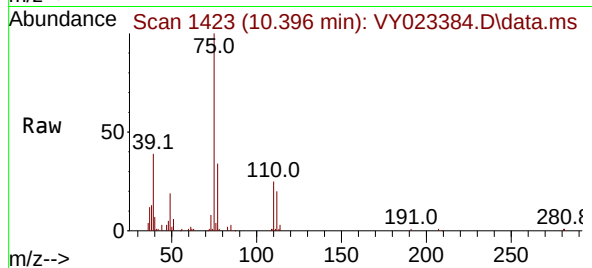
#53
t-1,3-Dichloropropene
Concen: 4.491 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3147
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

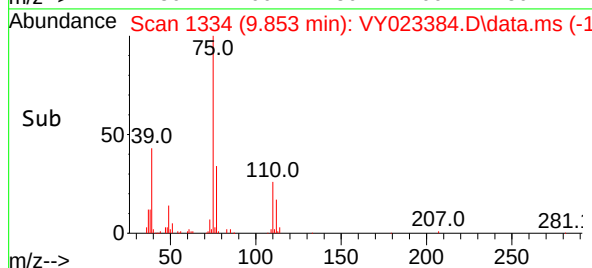
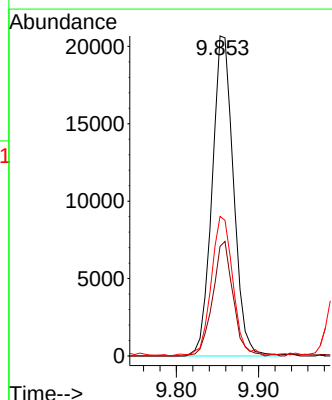
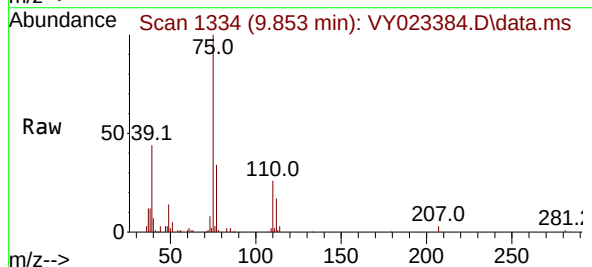
Manual Integrations
APPROVED

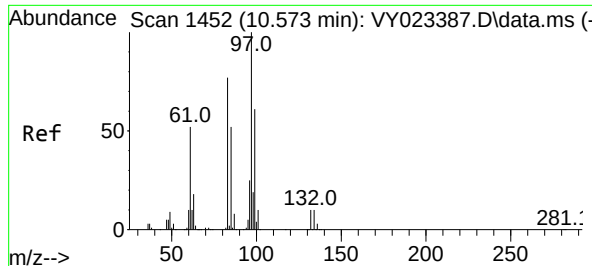
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 4.463 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 37392
Ion Ratio Lower Upper
75 100
77 34.2 25.4 38.0
39 43.0 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 4.786 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 2064

Ion Ratio Lower Upper

97 100

83 80.3 61.8 92.6

85 52.8 41.3 61.9

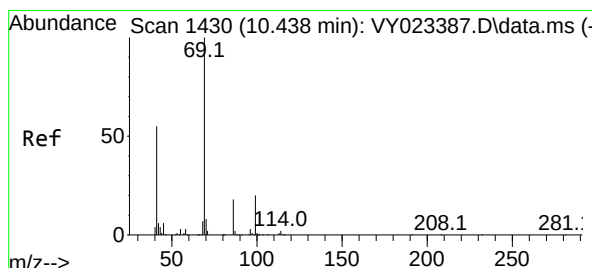
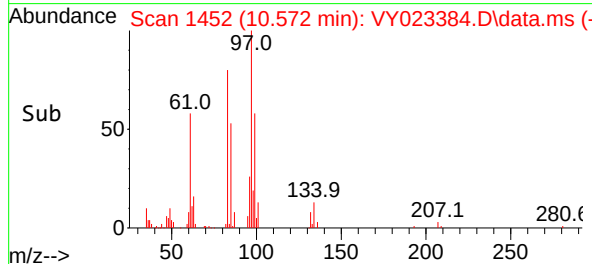
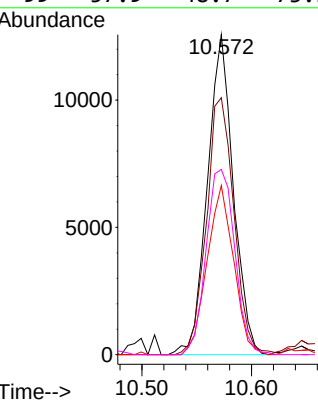
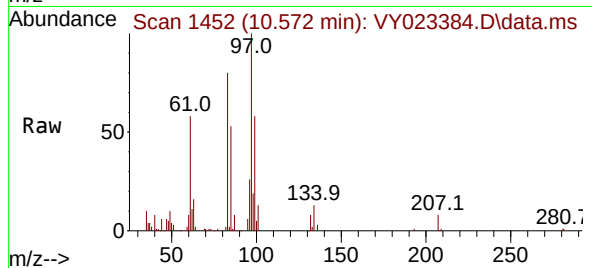
99 57.9 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 3.891 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

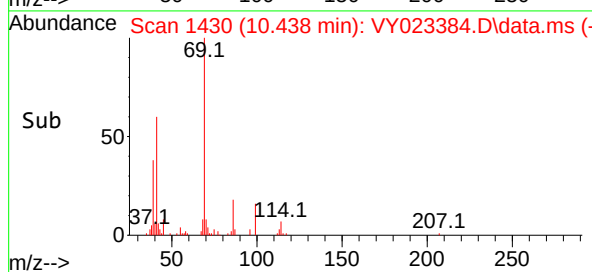
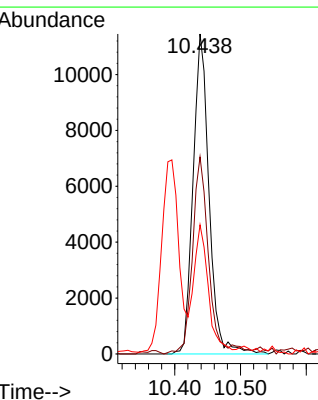
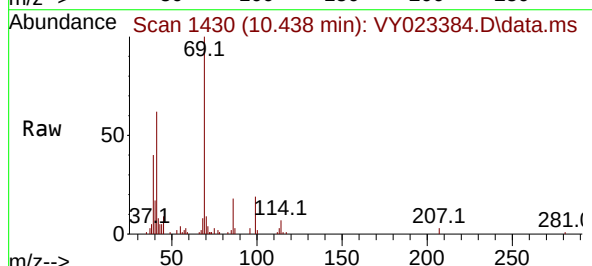
Tgt Ion: 69 Resp: 19324

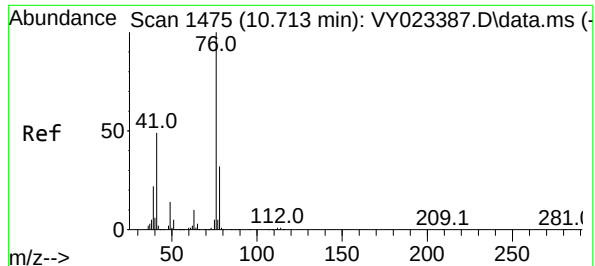
Ion Ratio Lower Upper

69 100

41 60.6 44.6 67.0

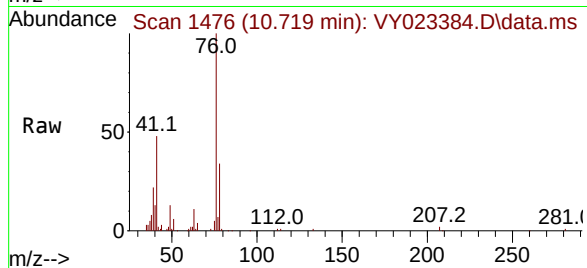
39 36.2 27.0 40.4





#57
1,3-Dichloropropane
Concen: 4.560 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

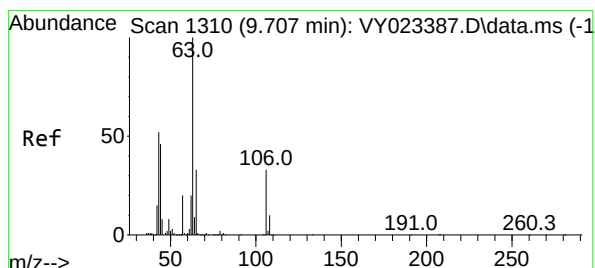
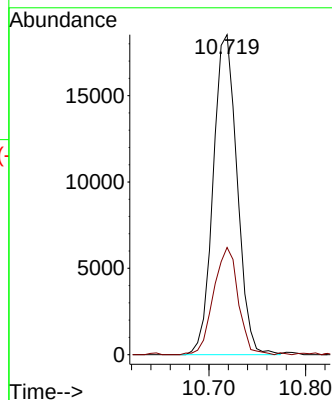
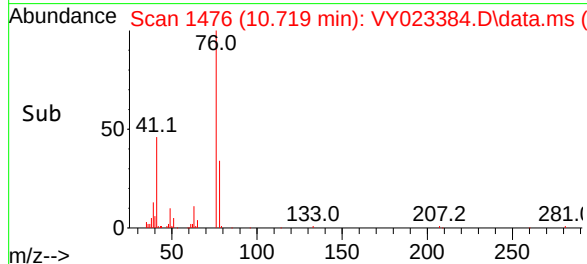
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 76 Resp: 3183
Ion Ratio Lower Upper
76 100
78 34.4 25.9 38.9

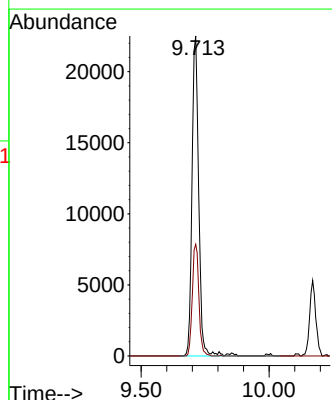
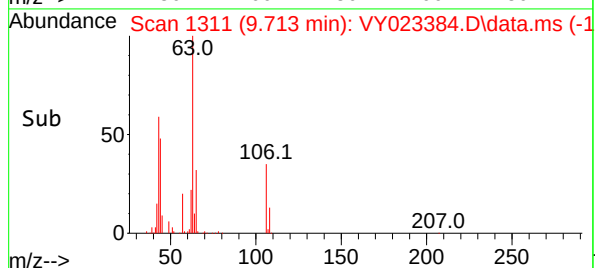
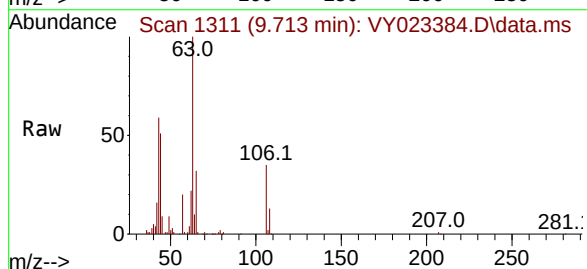
Manual Integrations
APPROVED

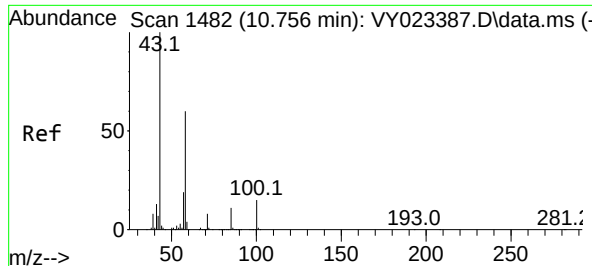
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
2-Chloroethyl Vinyl ether
Concen: 18.894 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 41054
Ion Ratio Lower Upper
63 100
106 34.1 26.6 39.8





#59

2-Hexanone

Concen: 23.185 ug/l

RT: 10.761 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 47778

Ion Ratio Lower Upper

43 100

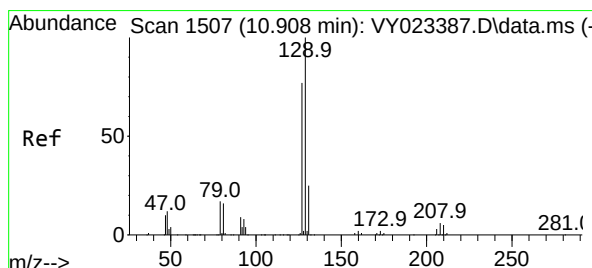
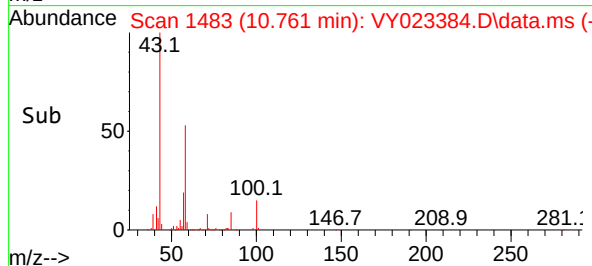
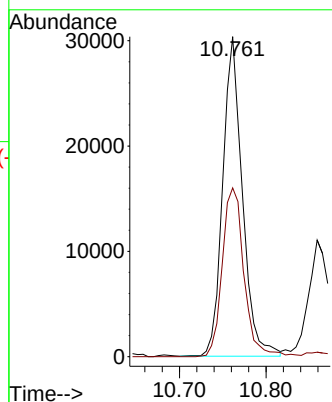
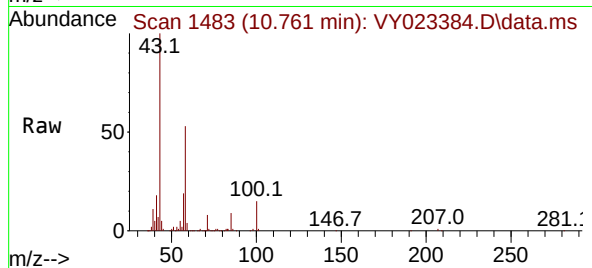
58 58.4 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 4.783 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023384.D

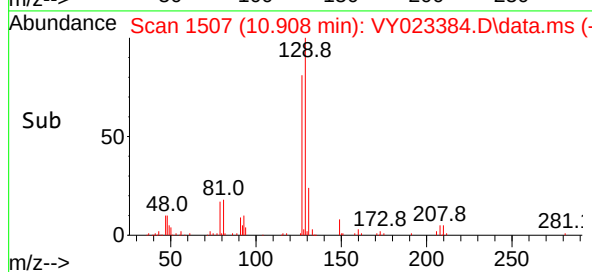
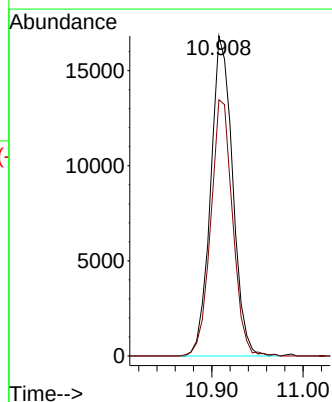
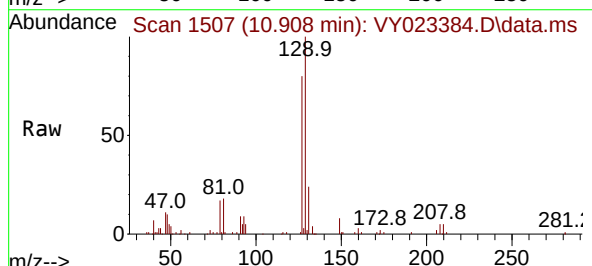
Acq: 07 Oct 2025 09:17

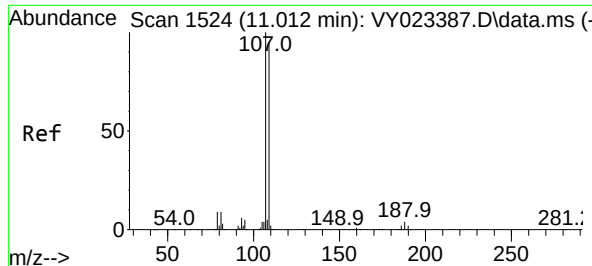
Tgt Ion:129 Resp: 28135

Ion Ratio Lower Upper

129 100

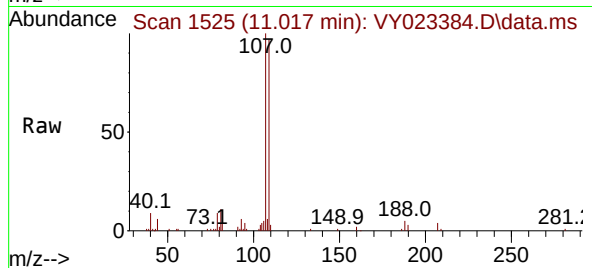
127 79.7 38.6 115.7





#61
1,2-Dibromoethane
Concen: 4.673 ug/l
RT: 11.017 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

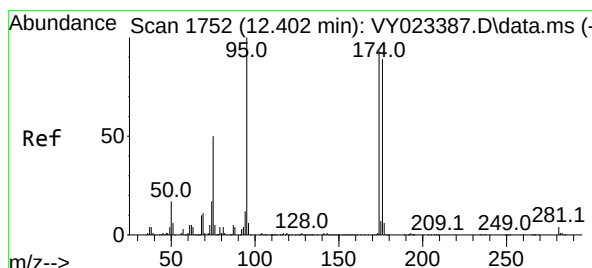
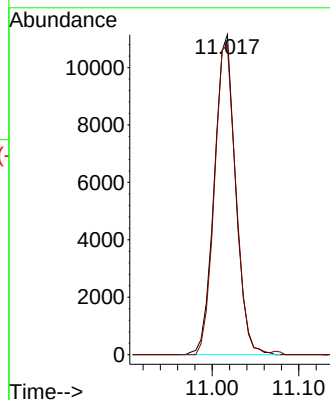
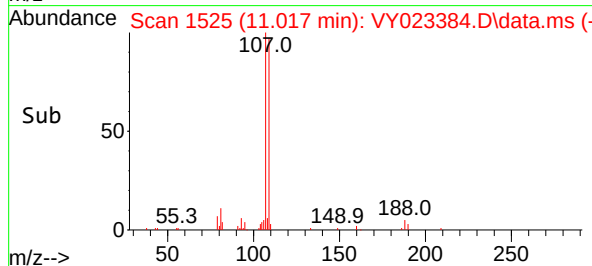
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:107 Resp: 1895
Ion Ratio Lower Upper
107 100
109 97.6 76.1 114.1

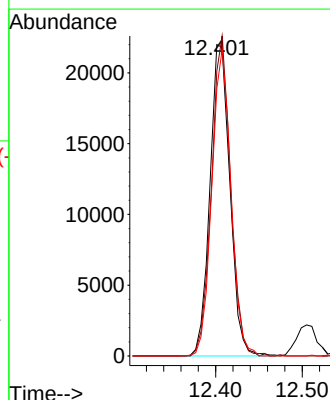
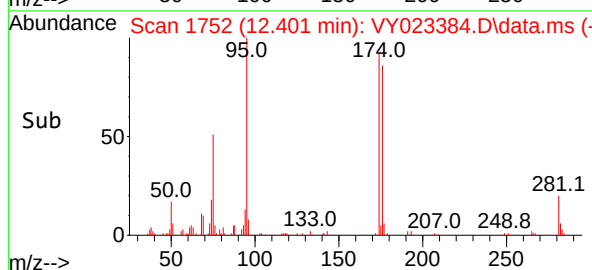
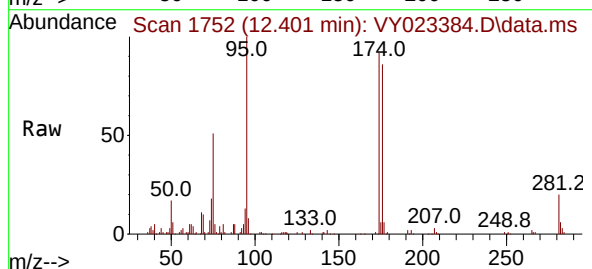
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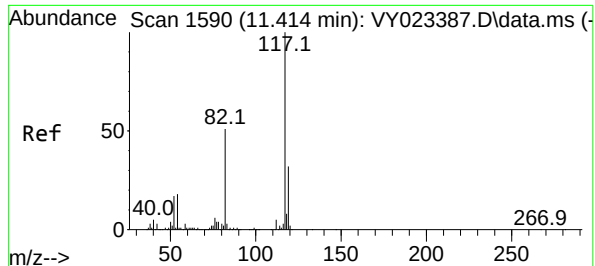
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
4-Bromofluorobenzene
Concen: 5.548 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

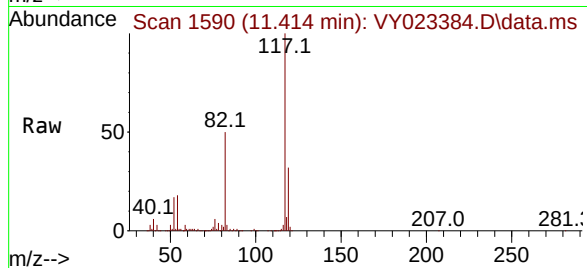
Tgt Ion: 95 Resp: 35355
Ion Ratio Lower Upper
95 100
174 97.9 0.0 192.8
176 94.0 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

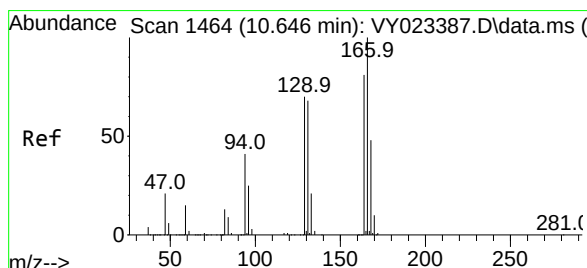
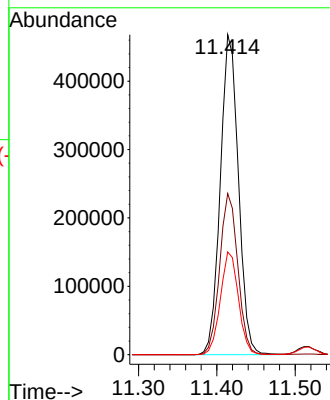
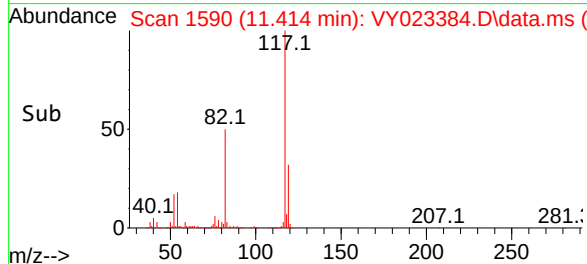
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:117 Resp: 753398
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 32.1 25.6 38.4

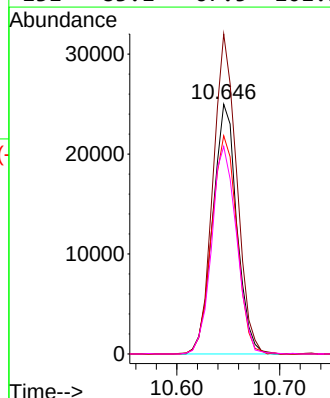
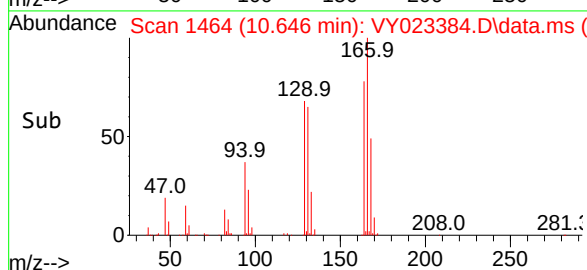
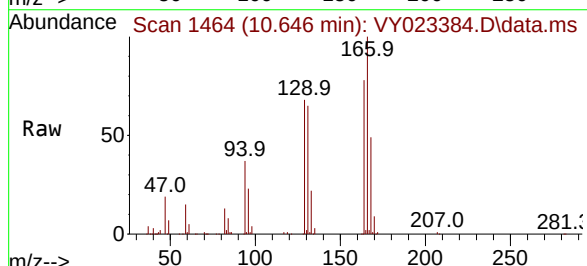
Manual Integrations
APPROVED

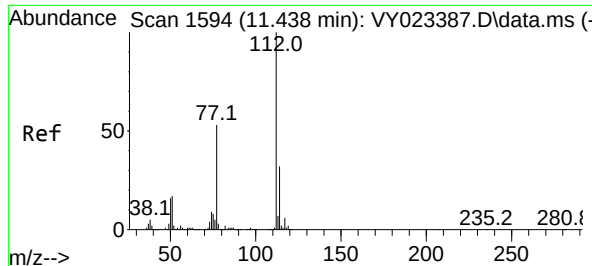
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
Tetrachloroethene
Concen: 5.383 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:164 Resp: 40570
Ion Ratio Lower Upper
164 100
166 128.1 99.4 149.0
129 87.4 69.4 104.2
131 83.1 67.5 101.3





#65

Chlorobenzene

Concen: 4.997 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 8180

Ion Ratio Lower Upper

112 100

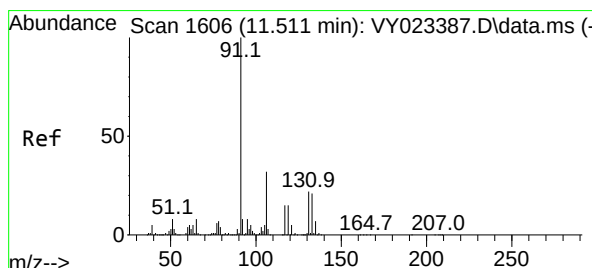
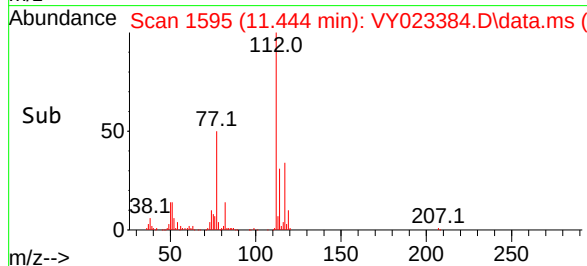
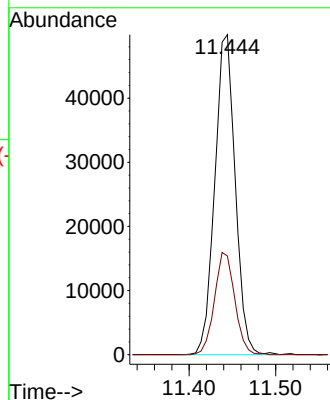
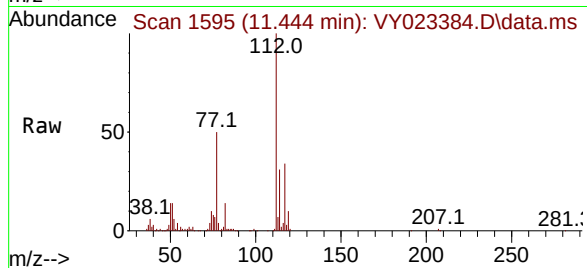
114 30.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 5.075 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

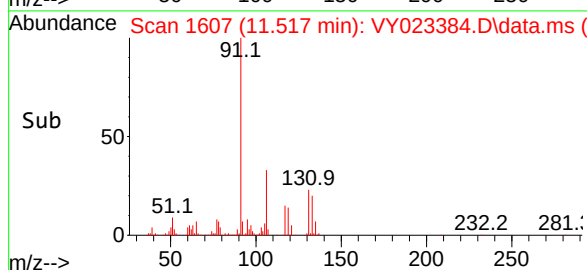
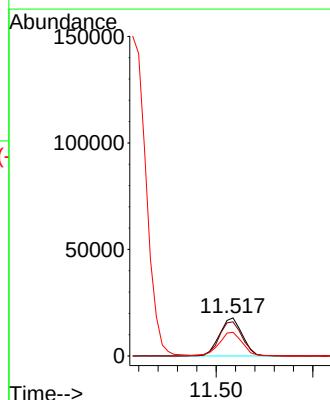
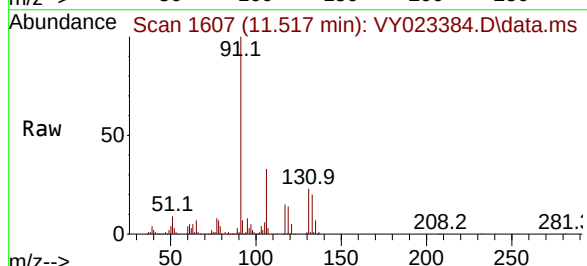
Tgt Ion:131 Resp: 29222

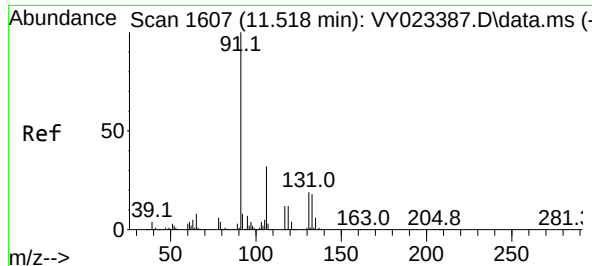
Ion Ratio Lower Upper

131 100

133 91.7 48.4 145.2

119 64.1 32.4 97.2





#67

Ethyl Benzene

Concen: 4.529 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 121000

Ion Ratio Lower Upper

91 100

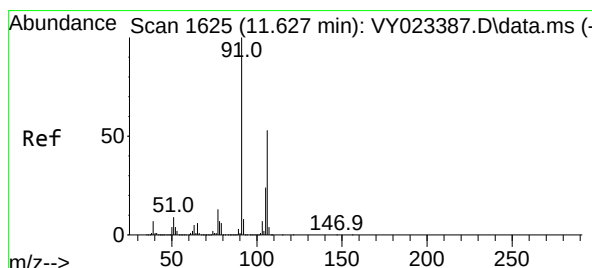
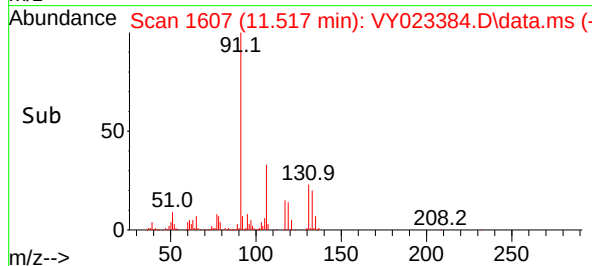
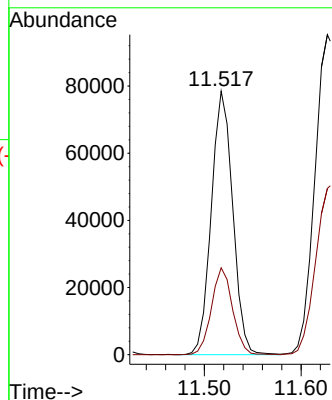
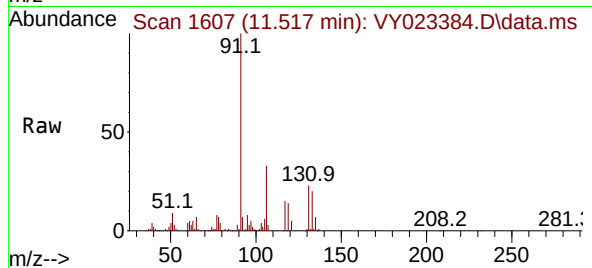
106 33.0 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 8.887 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY023384.D

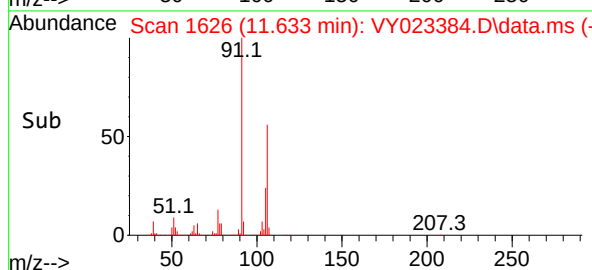
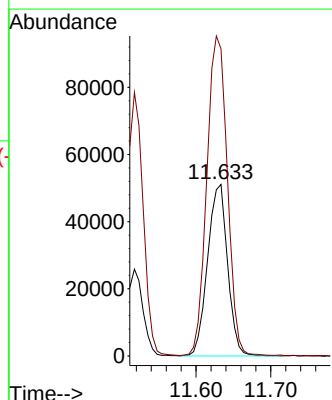
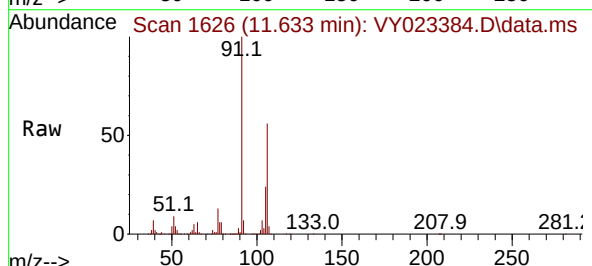
Acq: 07 Oct 2025 09:17

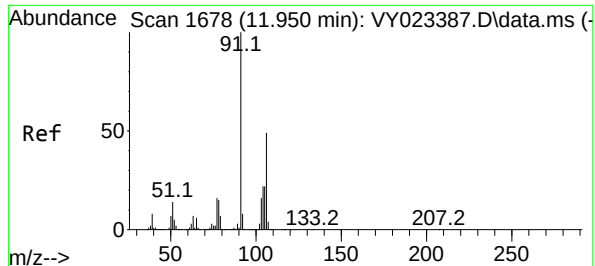
Tgt Ion:106 Resp: 95176

Ion Ratio Lower Upper

106 100

91 190.5 152.6 229.0





#69

o-Xylene

Concen: 4.466 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 44280

Ion Ratio Lower Upper

106 100

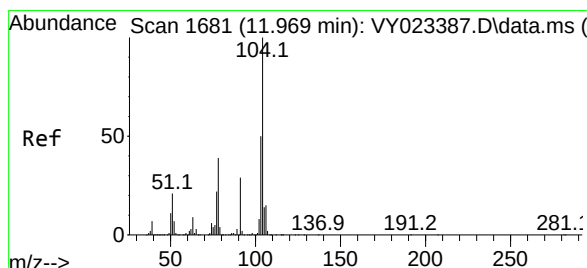
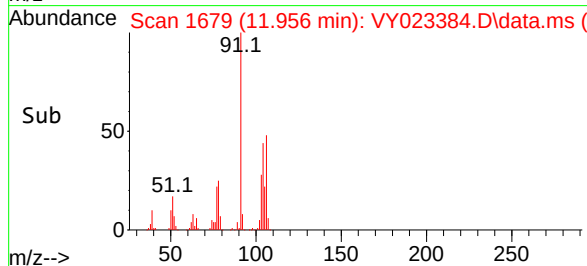
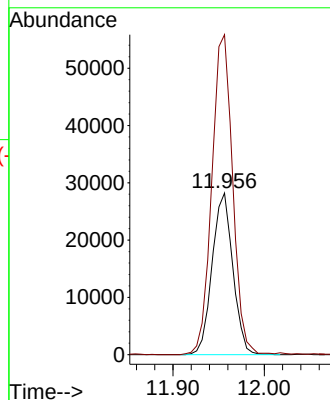
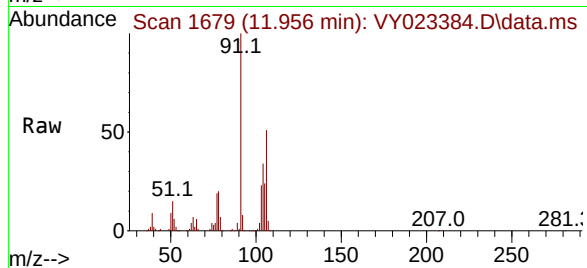
91 199.7 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Styrene

Concen: 4.152 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

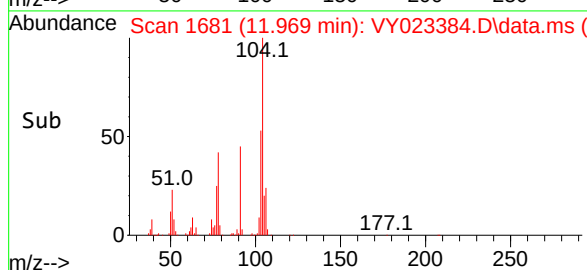
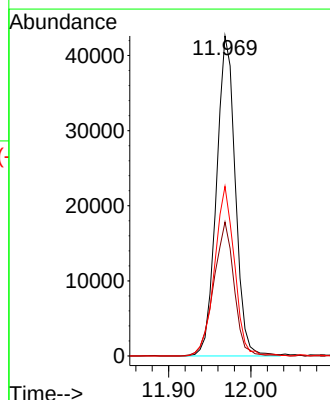
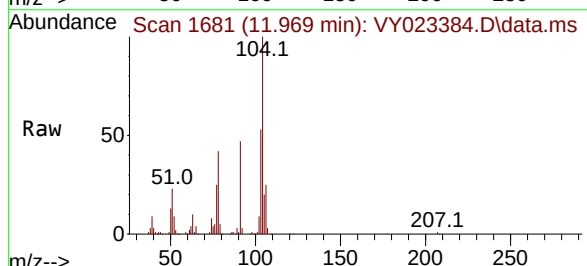
Tgt Ion:104 Resp: 67960

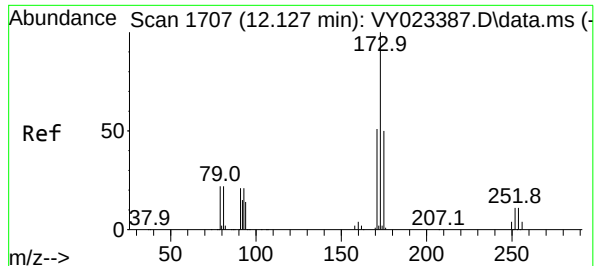
Ion Ratio Lower Upper

104 100

78 45.1 36.1 54.1

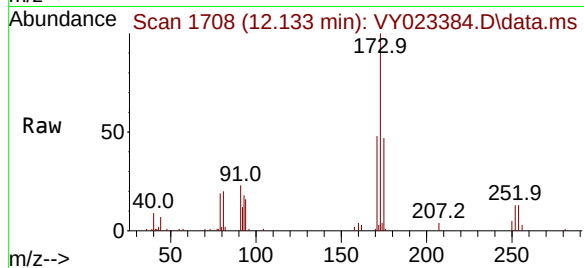
103 55.9 43.2 64.8





#71
Bromoform
Concen: 4.929 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

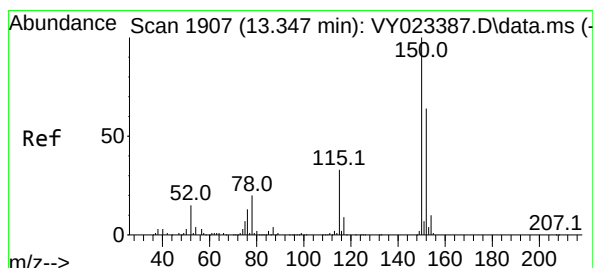
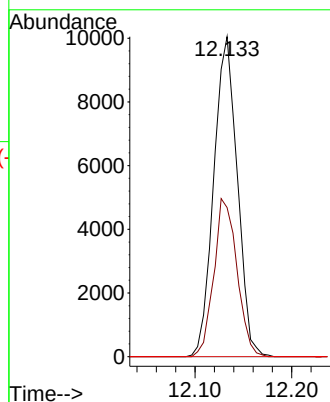
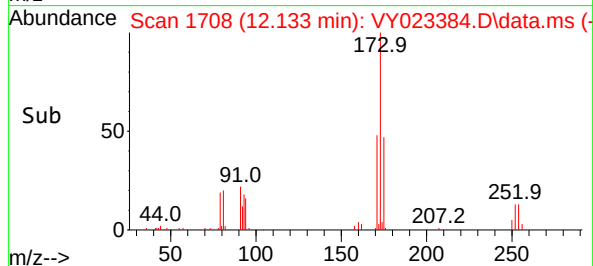
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



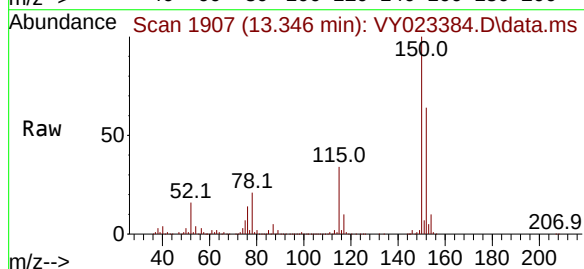
Tgt Ion:173 Resp: 16988
Ion Ratio Lower Upper
173 100
175 48.5 24.8 74.3
254 0.0 0.1 0.1

Manual Integrations
APPROVED

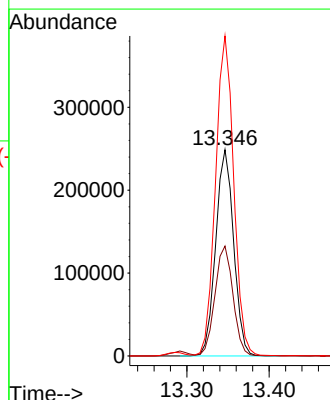
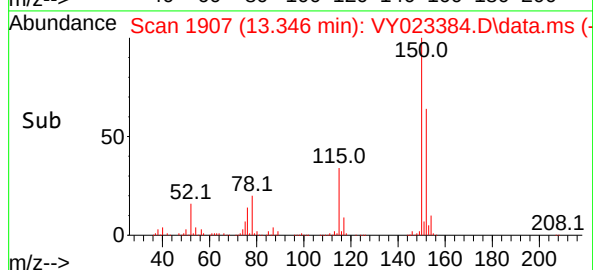
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

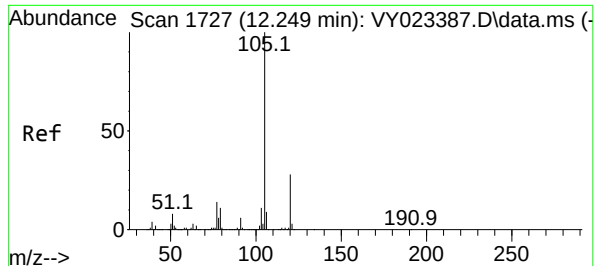


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17



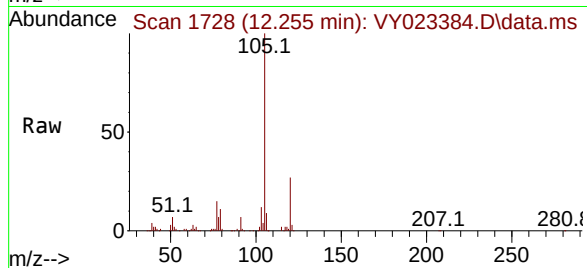
Tgt Ion:152 Resp: 378104
Ion Ratio Lower Upper
152 100
115 53.5 27.1 81.2
150 156.6 0.0 347.4





#73
Isopropylbenzene
Concen: 4.455 ug/l
RT: 12.255 min Scan# 1727
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

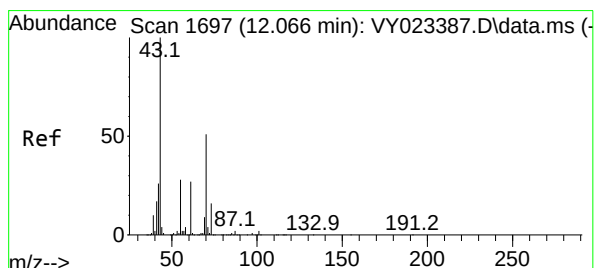
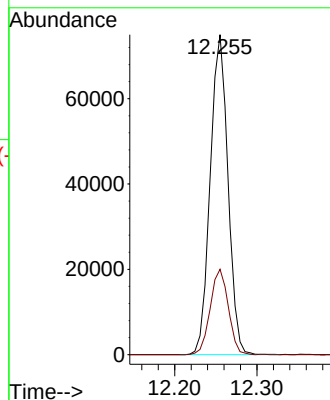
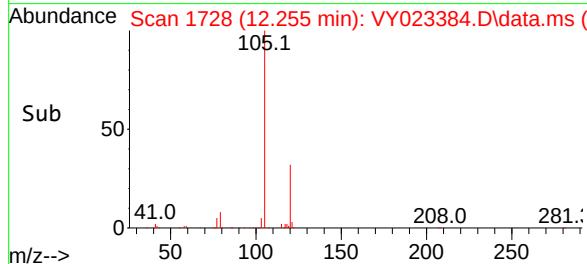
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 112194
Ion Ratio Lower Upper
105 100
120 27.2 13.9 41.7

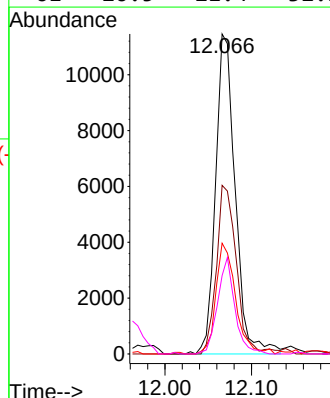
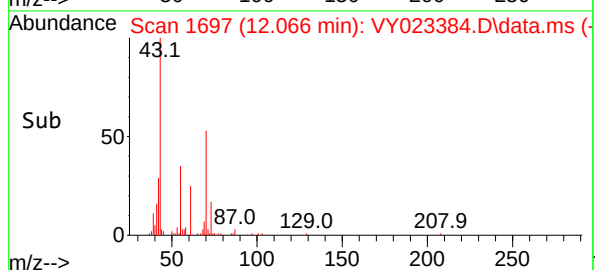
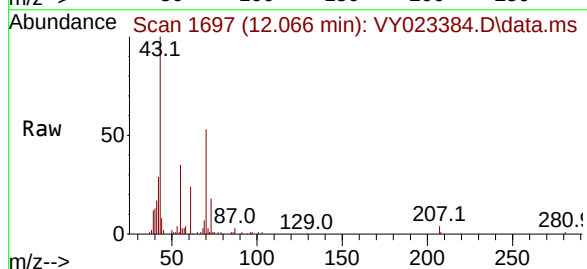
Manual Integrations
APPROVED

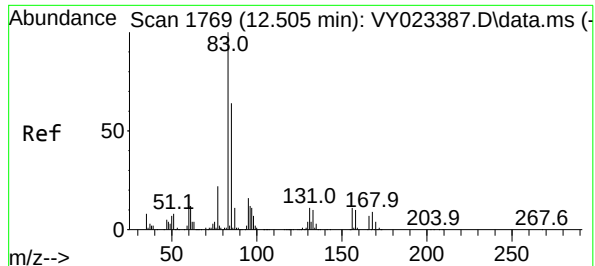
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 3.833 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

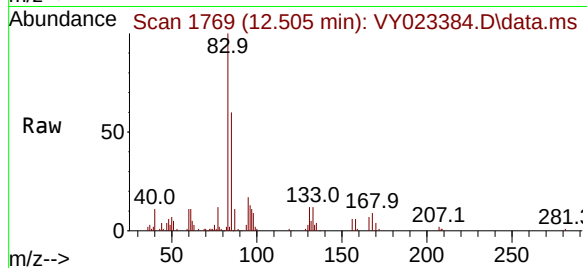
Tgt Ion: 43 Resp: 18041
Ion Ratio Lower Upper
43 100
70 53.0 41.1 61.7
55 35.3 23.0 34.6#
61 26.5 21.4 32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 4.773 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

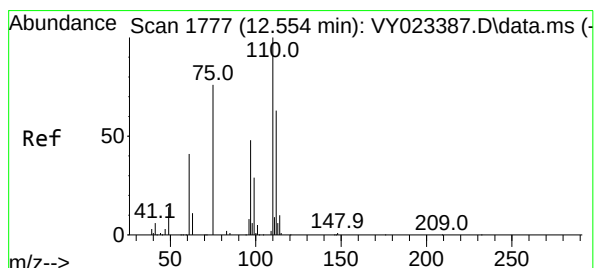
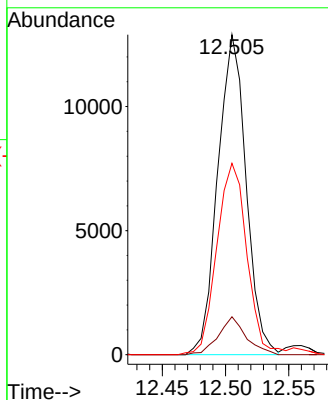
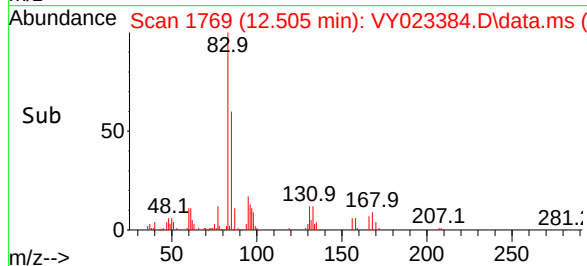
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 83 Resp: 2005
Ion Ratio Lower Upper
83 100
131 11.6 5.9 17.6
85 63.4 31.8 95.3

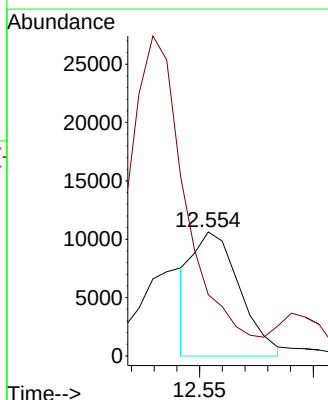
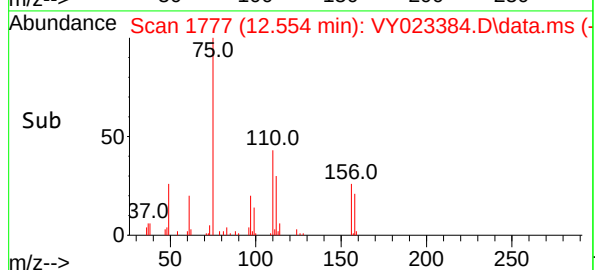
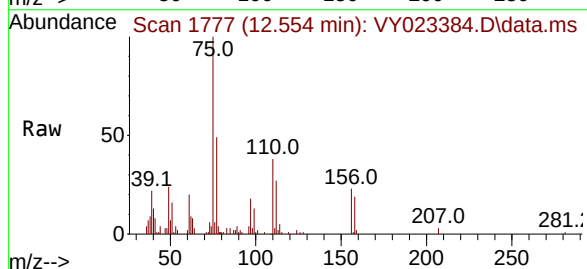
Manual Integrations
APPROVED

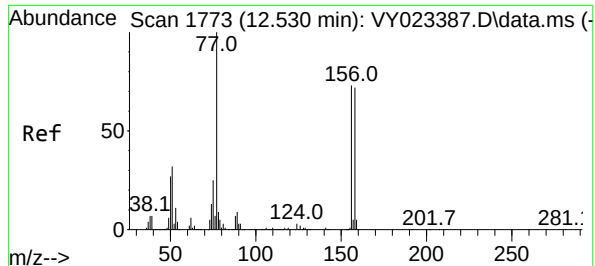
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 4.118 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

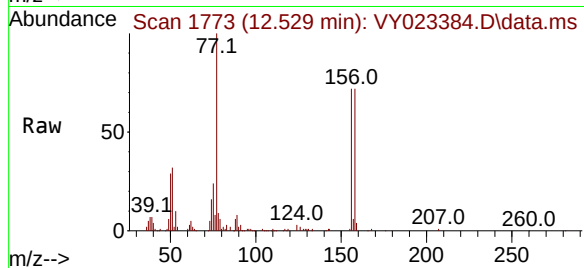
Tgt Ion: 75 Resp: 15359
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 4.967 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

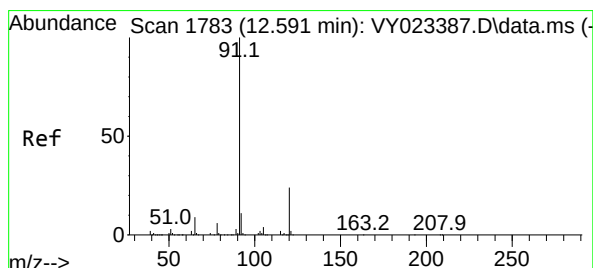
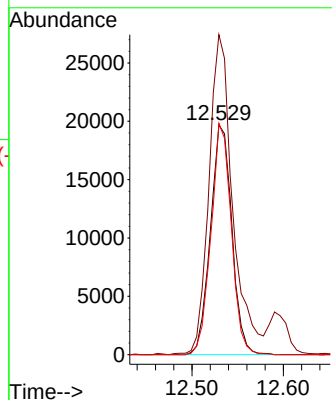
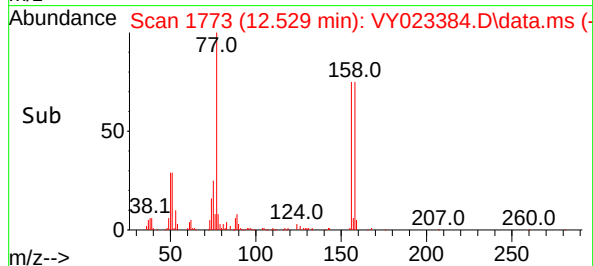
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 156 Resp: 32100
Ion Ratio Lower Upper
156 100
77 154.2 76.8 230.5
158 95.0 49.0 147.2

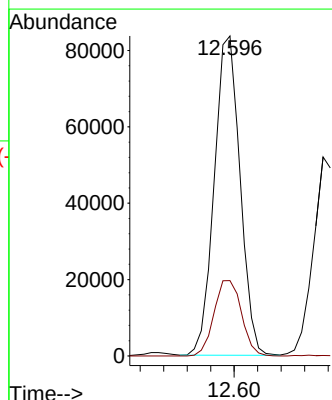
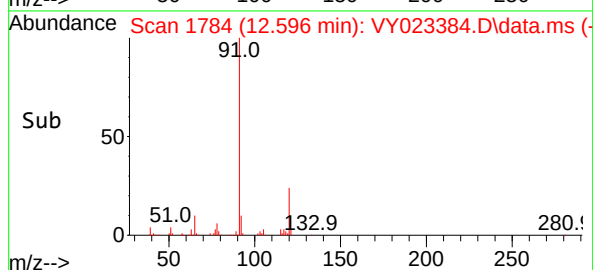
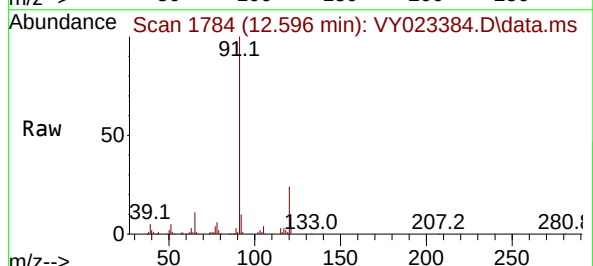
Manual Integrations
APPROVED

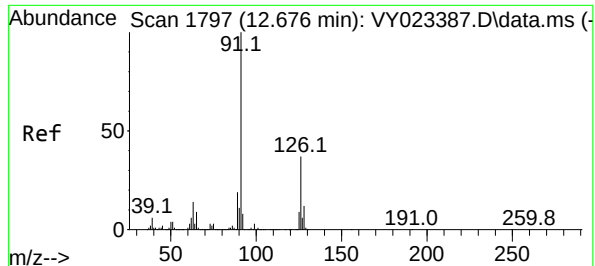
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 4.305 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 127521
Ion Ratio Lower Upper
91 100
120 25.1 12.3 36.8





#79

2-Chlorotoluene

Concen: 4.631 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 79199

Ion Ratio Lower Upper

91 100

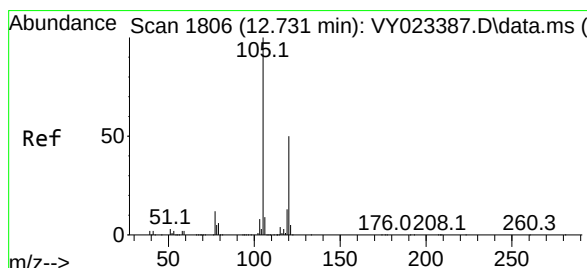
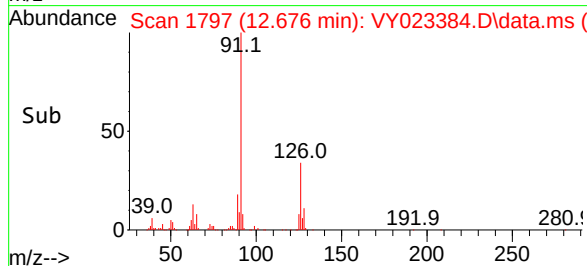
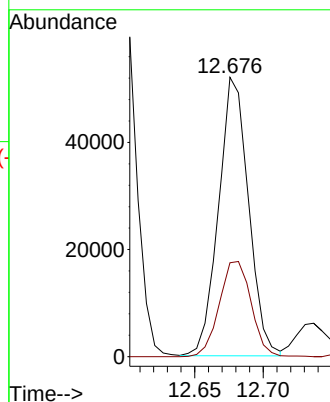
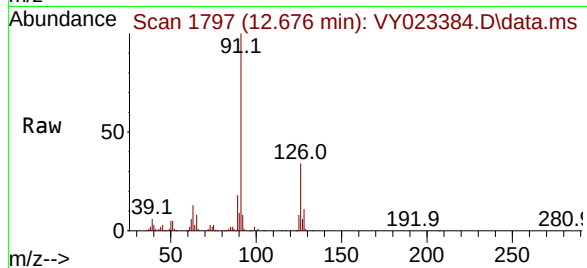
126 36.4 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.264 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023384.D

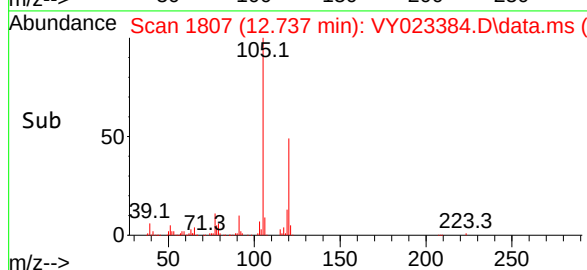
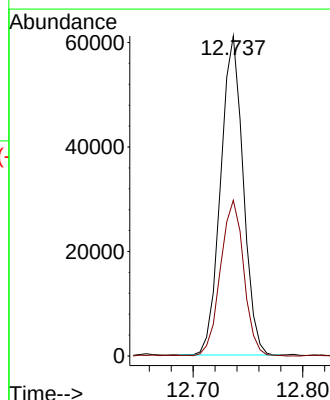
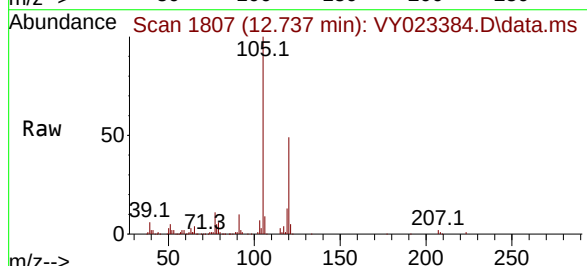
Acq: 07 Oct 2025 09:17

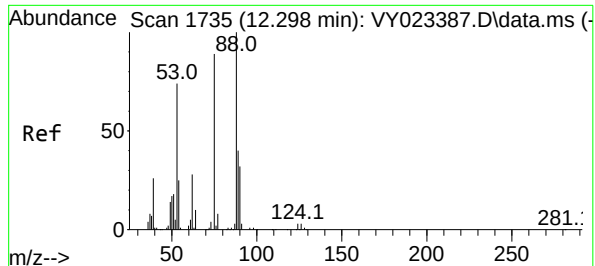
Tgt Ion:105 Resp: 87297

Ion Ratio Lower Upper

105 100

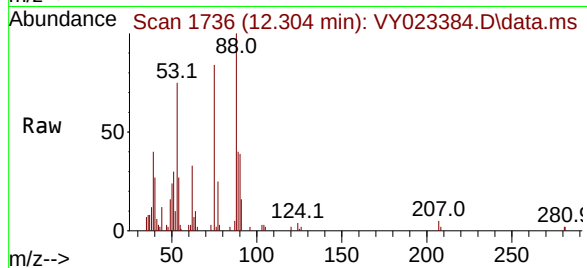
120 50.6 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.680 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

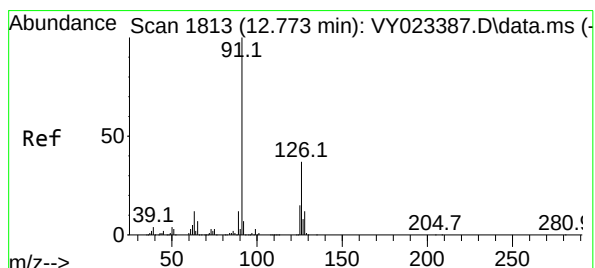
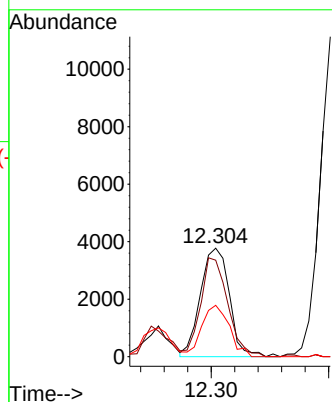
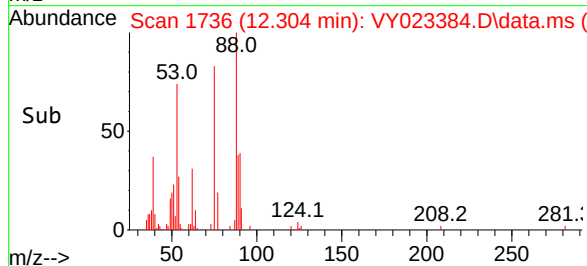
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 6474
Ion Ratio Lower Upper
75 100
53 85.6 68.6 102.8
89 44.4 39.0 58.4

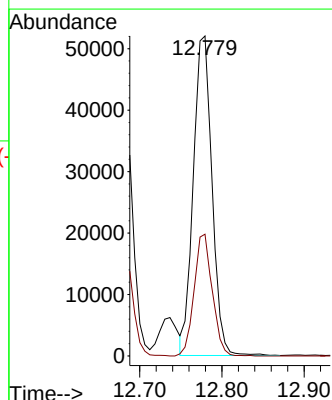
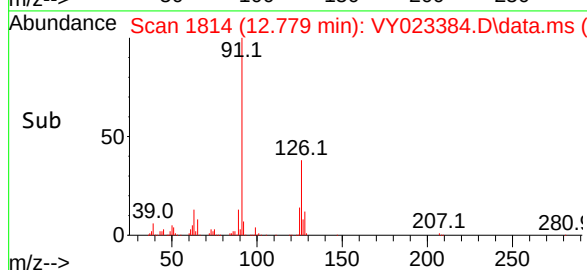
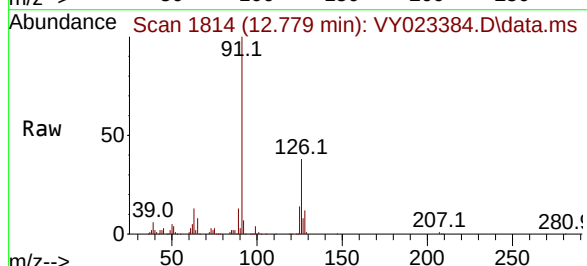
Manual Integrations
APPROVED

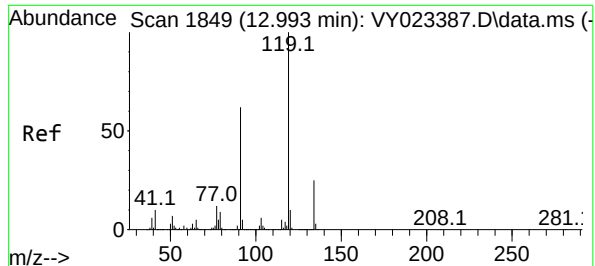
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 4.600 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 82155
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.4





#83

tert-Butylbenzene

Concen: 4.457 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

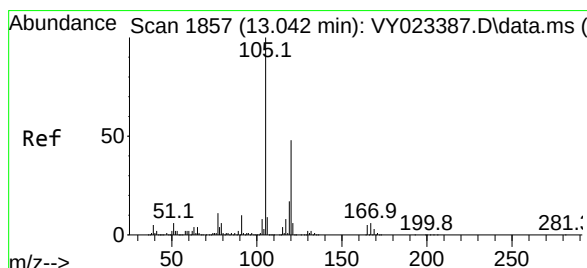
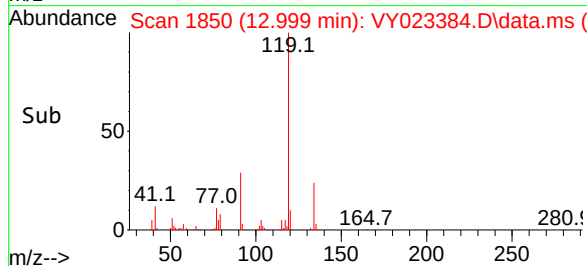
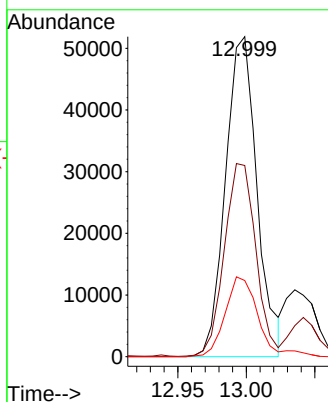
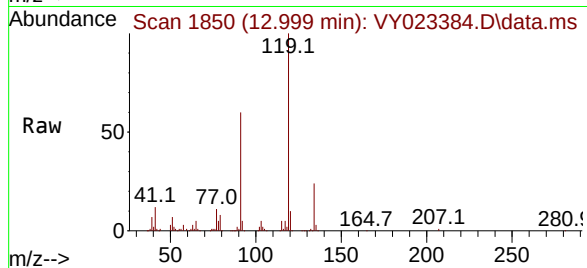
VSTDIC005

Tgt Ion:	119	Resp:	8315
Ion	Ratio	Lower	Upper
119	100		
91	60.0	29.9	89.8
134	26.2	12.9	38.7

Manual Integrations

APPROVED

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



#84

1,2,4-Trimethylbenzene

Concen: 4.294 ug/l

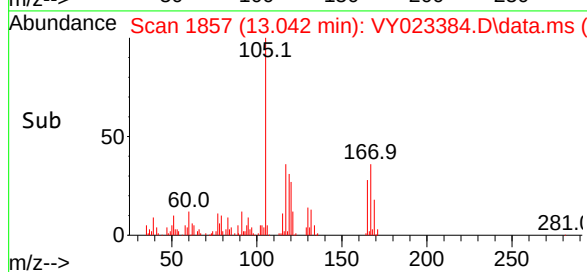
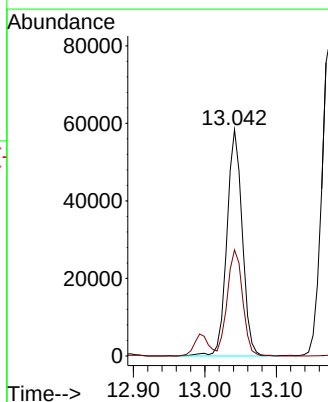
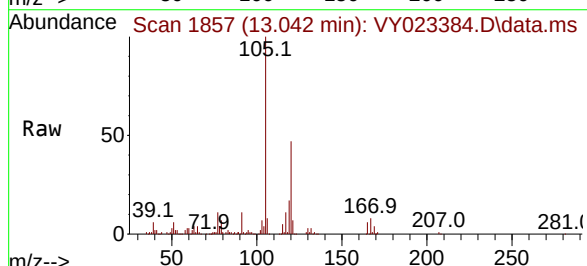
RT: 13.042 min Scan# 1857

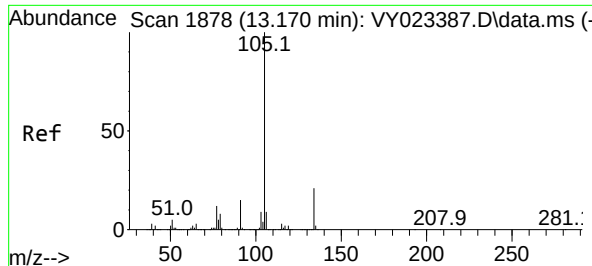
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

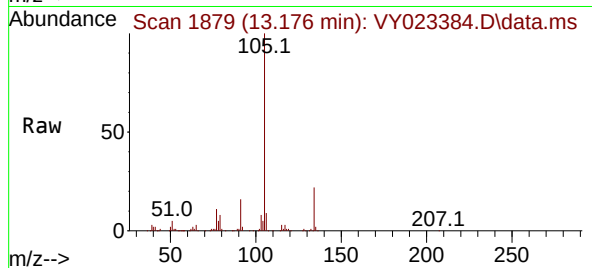
Tgt Ion:	105	Resp:	86988
Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2





#85
sec-Butylbenzene
Concen: 4.443 ug/l
RT: 13.176 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

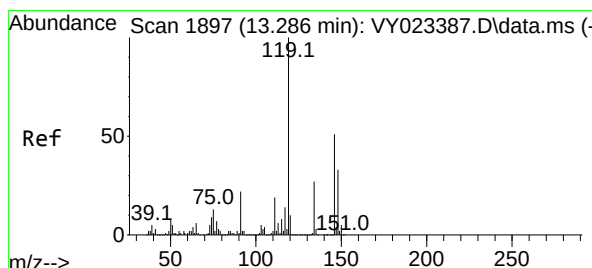
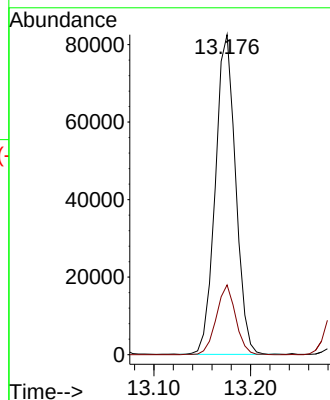
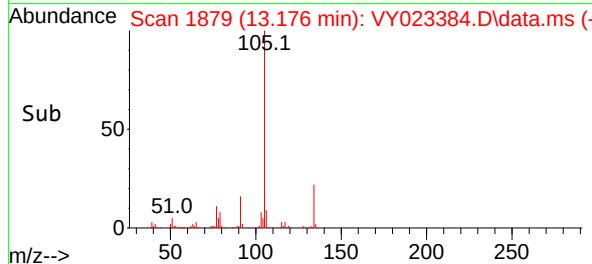
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:105 Resp: 12006
Ion Ratio Lower Upper
105 100
134 20.9 10.7 32.1

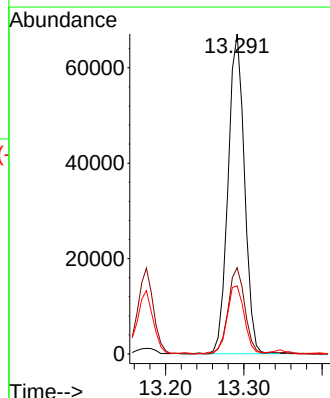
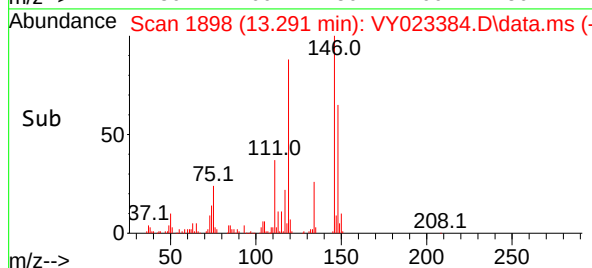
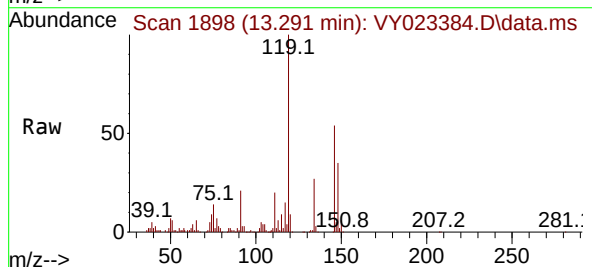
Manual Integrations
APPROVED

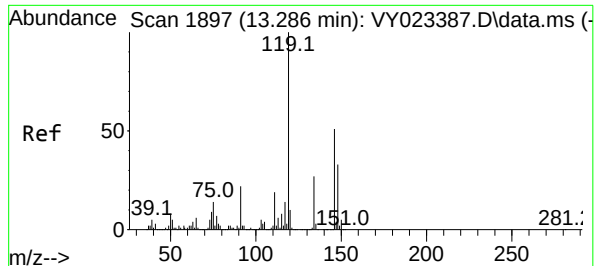
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
p-Isopropyltoluene
Concen: 4.264 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 97377
Ion Ratio Lower Upper
119 100
134 27.5 13.6 40.7
91 22.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 4.936 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

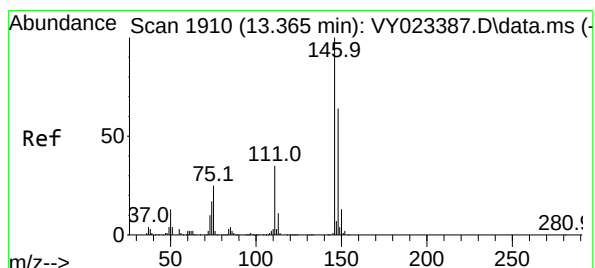
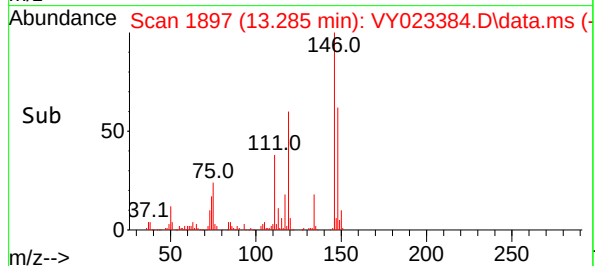
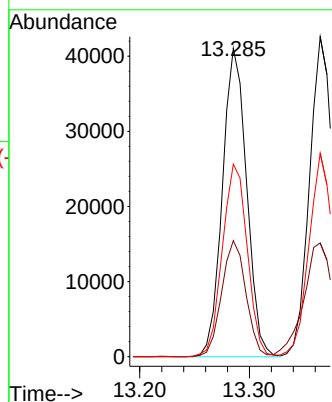
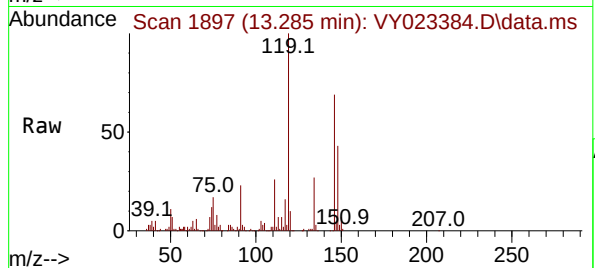
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	6302
Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.1	31.9	95.9

Manual Integrations
APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 5.085 ug/l

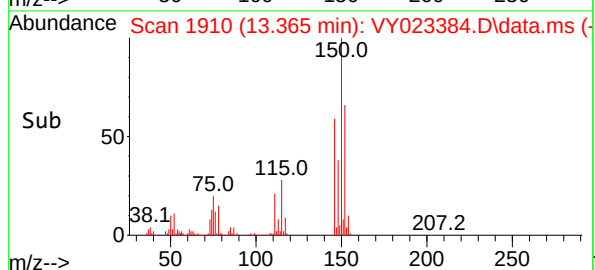
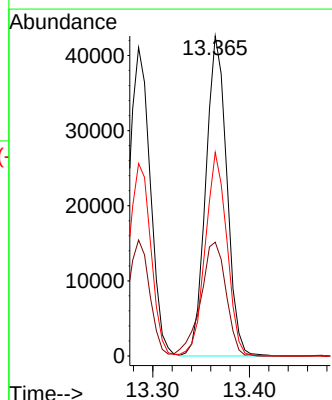
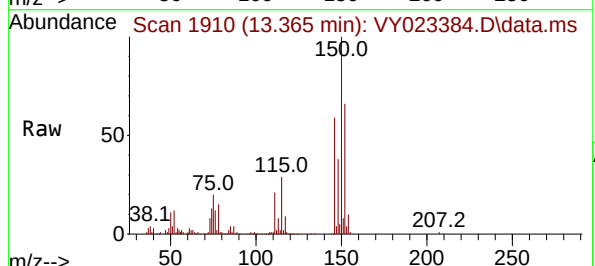
RT: 13.365 min Scan# 1910

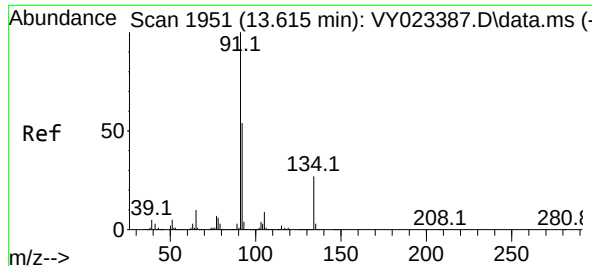
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:	146	Resp:	64389
Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.0	54.0
148	65.1	31.9	95.7





#89

n-Butylbenzene

Concen: 4.274 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

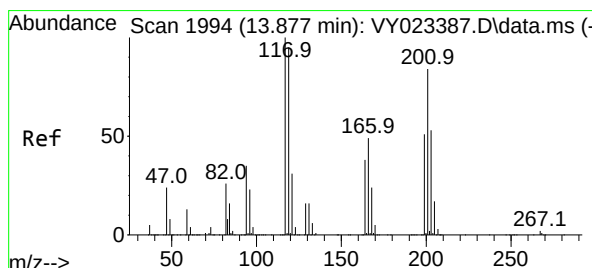
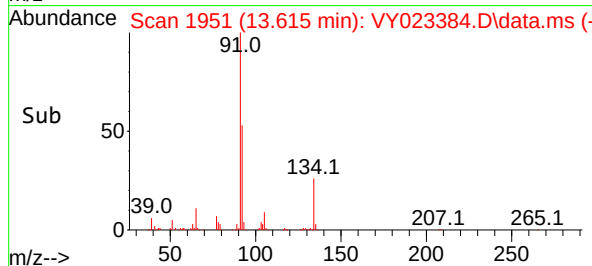
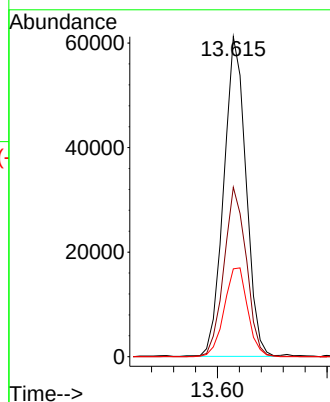
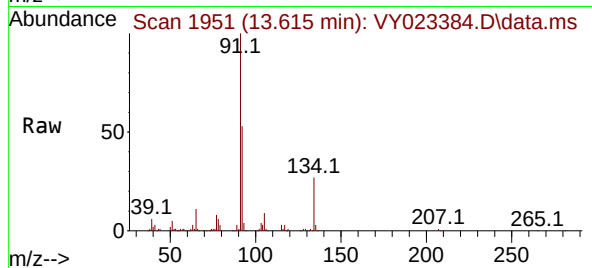
VSTDIC005

Tgt Ion:	91	Resp:	86179
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	29.2	14.1	42.2

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 5.084 ug/l

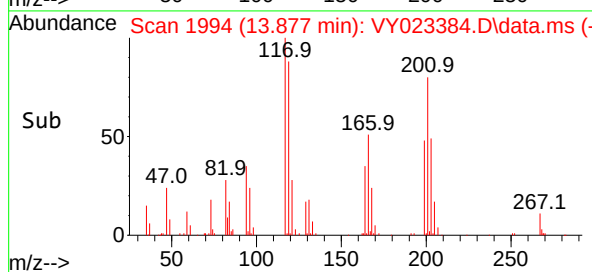
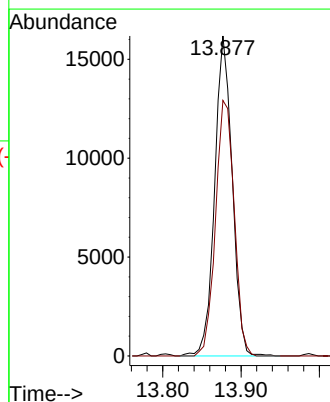
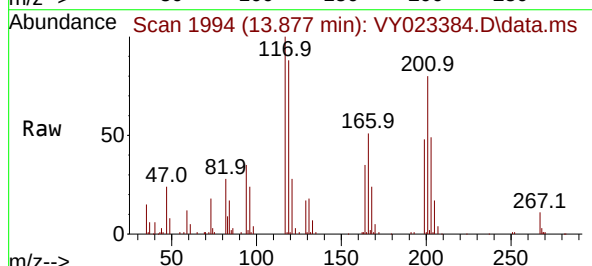
RT: 13.877 min Scan# 1994

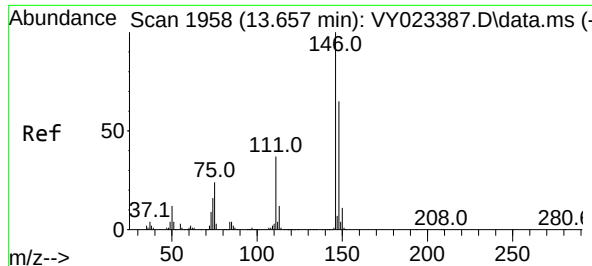
Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

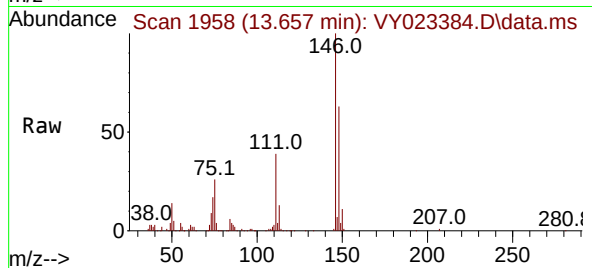
Tgt Ion:	117	Resp:	25204
Ion	Ratio	Lower	Upper
117	100		
201	84.7	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 5.041 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

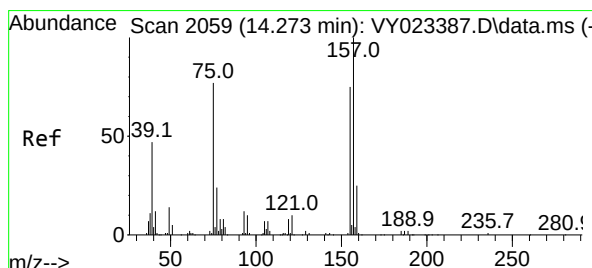
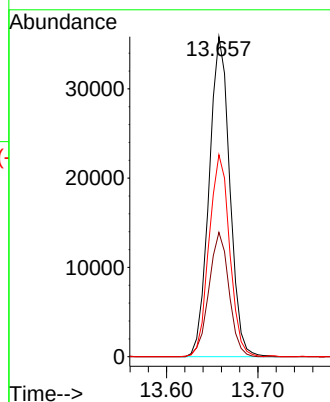
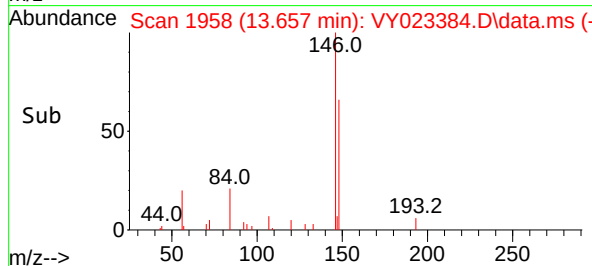
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



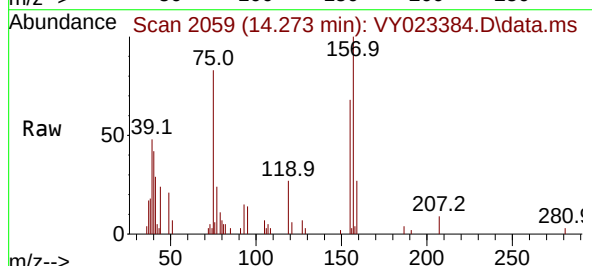
Tgt Ion:146 Resp: 5616
Ion Ratio Lower Upper
146 100
111 37.8 19.0 57.0
148 63.0 32.1 96.3

Manual Integrations
APPROVED

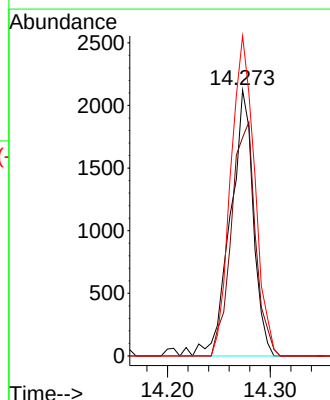
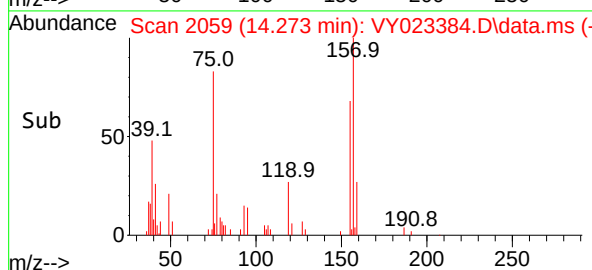
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

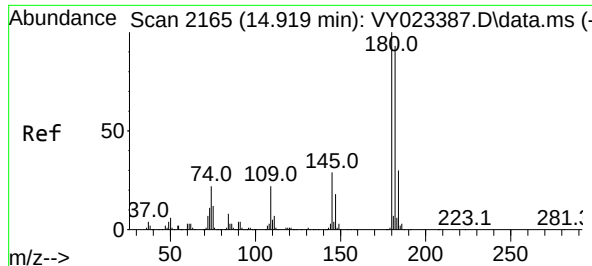


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17



Tgt Ion: 75 Resp: 3305
Ion Ratio Lower Upper
75 100
155 91.7 50.0 150.0
157 124.4 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 4.875 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Instrument :

MSVOA_Y

ClientSampleId :

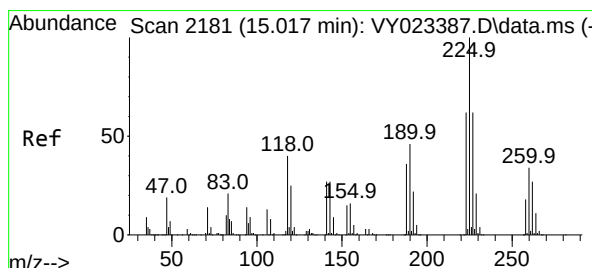
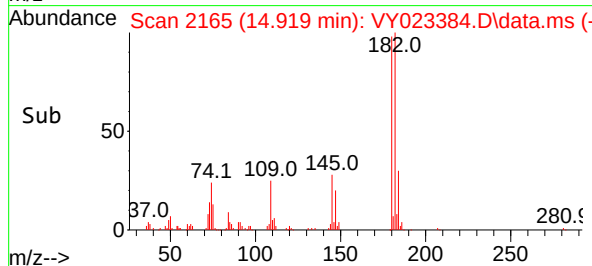
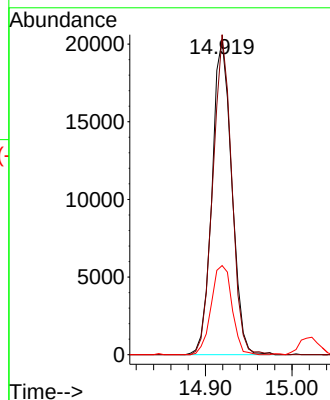
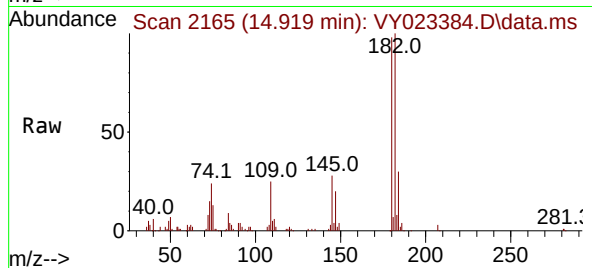
VSTDIC005

Tgt Ion:180	Resp:	32000
Ion Ratio	Lower	Upper
180	100	
182	97.1	47.9 143.6
145	29.9	14.7 44.1

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

Concen: 5.456 ug/l

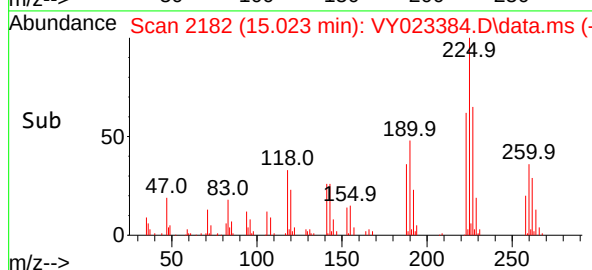
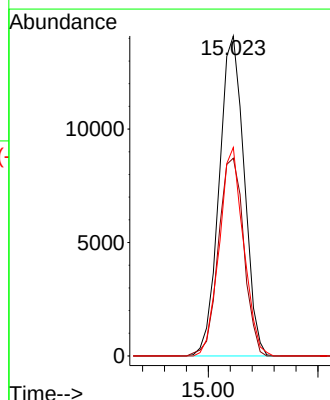
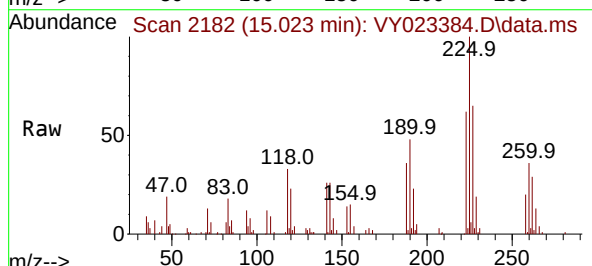
RT: 15.023 min Scan# 2182

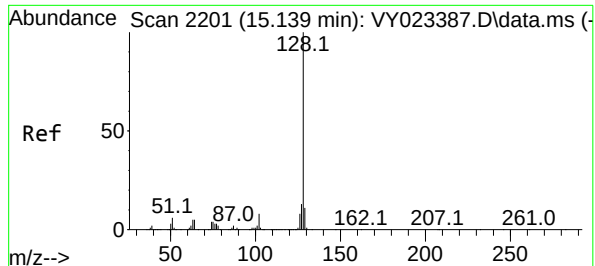
Delta R.T. 0.006 min

Lab File: VY023384.D

Acq: 07 Oct 2025 09:17

Tgt Ion:225	Resp:	22316
Ion Ratio	Lower	Upper
225	100	
223	62.8	30.8 92.3
227	63.1	31.9 95.7





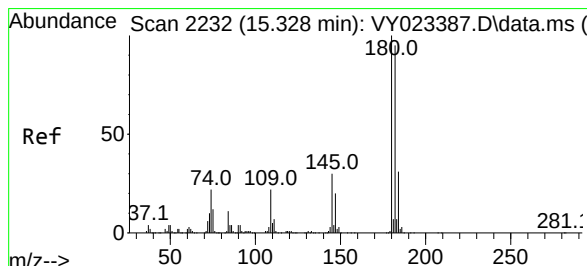
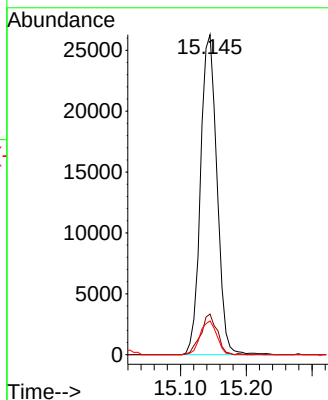
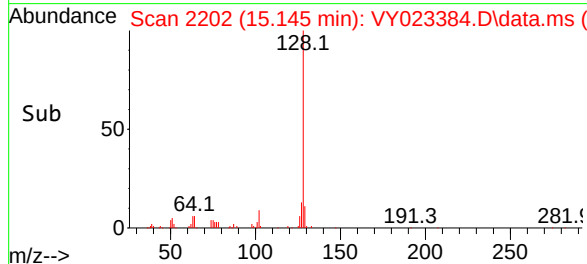
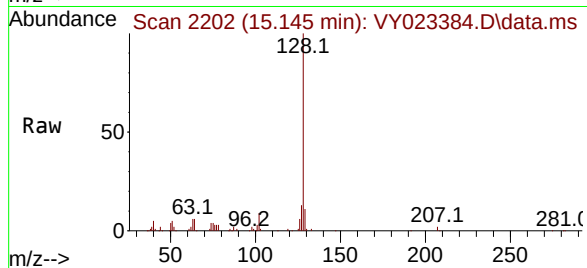
#95
Naphthalene
Concen: 4.360 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 45598
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.9 13.3

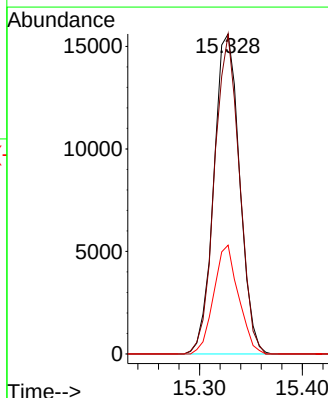
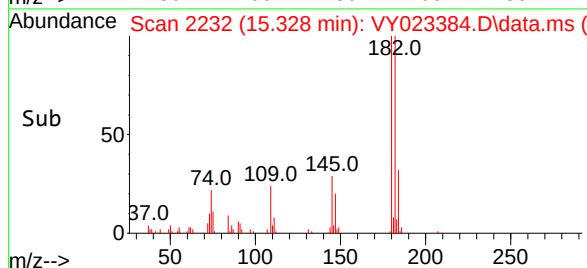
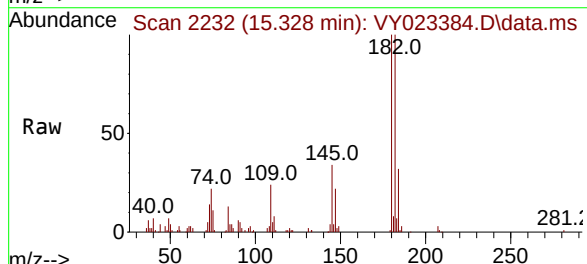
Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 4.772 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:180 Resp: 27176
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.8
145 32.7 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023385.D
 Acq On : 07 Oct 2025 10:02
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations APPROVED

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

Quant Time: Oct 08 04:40:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	559828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	847077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	374998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48826	10.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.140%#		
35) Dibromofluoromethane	7.634	113	53279	10.364	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.720%#		
50) Toluene-d8	10.109	98	198242	10.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.460%#		
62) 4-Bromofluorobenzene	12.401	95	62601	10.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.460%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	44666	10.129	ug/l	97
3) Chloromethane	2.068	50	62413	9.957	ug/l	97
4) Vinyl Chloride	2.202	62	76587	9.676	ug/l	99
5) Bromomethane	2.592	94	66689	10.271	ug/l	90
6) Chloroethane	2.732	64	51757	9.632	ug/l	92
7) Trichlorofluoromethane	3.055	101	102972	10.128	ug/l	99
8) Diethyl Ether	3.458	74	26719	10.047	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	54405	10.011	ug/l	99
10) Methyl Iodide	4.007	142	56313	8.967	ug/l	99
11) Tert butyl alcohol	4.854	59	20540	71.998	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	53191	10.173	ug/l	98
13) Acrolein	3.653	56	24014	49.681	ug/l	94
14) Allyl chloride	4.385	41	62154	9.494	ug/l	99
15) Acrylonitrile	5.061	53	51937	49.854	ug/l	99
16) Acetone	3.872	43	65410	59.997	ug/l	94
17) Carbon Disulfide	4.104	76	153055	9.382	ug/l	100
18) Methyl Acetate	4.391	43	29725	10.728	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	120347	9.830	ug/l	100
20) Methylene Chloride	4.616	84	71034	12.016	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	56465	9.710	ug/l	97
22) Diisopropyl ether	6.024	45	138589	9.547	ug/l	98
23) Vinyl Acetate	5.963	43	361478	45.300	ug/l	99
24) 1,1-Dichloroethane	5.915	63	93512	9.772	ug/l	98
25) 2-Butanone	6.890	43	75171	55.784	ug/l	92
26) 2,2-Dichloropropane	6.890	77	86325	10.153	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	65335	9.905	ug/l	99
28) Bromochloromethane	7.244	49	36132	9.733	ug/l	99
29) Tetrahydrofuran	7.262	42	38990	48.749	ug/l	99
30) Chloroform	7.421	83	102058	9.890	ug/l	99
31) Cyclohexane	7.701	56	80245	9.495	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	91186	9.844	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69913	9.639	ug/l	99
37) Ethyl Acetate	6.988	43	27388	9.551	ug/l	96
38) Carbon Tetrachloride	7.817	117	84799	10.065	ug/l	99
39) Methylcyclohexane	9.109	83	82275	8.860	ug/l	95
40) Benzene	8.079	78	220629	9.758	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023385.D
 Acq On : 07 Oct 2025 10:02
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

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

Quant Time: Oct 08 04:40:53 2025

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

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	14344	9.632	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	58541	10.174	ug/l	99
43) Isopropyl Acetate	8.201	43	53042	9.510	ug/l	98
44) Trichloroethene	8.865	130	64537	10.171	ug/l	96
45) 1,2-Dichloropropane	9.140	63	49009	9.632	ug/l	100
46) Dibromomethane	9.231	93	30780	9.890	ug/l	99
47) Bromodichloromethane	9.426	83	78392	10.007	ug/l	99
48) Methyl methacrylate	9.225	41	23484	9.023	ug/l	97
49) 1,4-Dioxane	9.231	88	6822	211.693	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	134746	47.165	ug/l	99
52) Toluene	10.170	92	138662	9.661	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	64315	9.559	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	77905	9.687	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	41881	10.118	ug/l	92
56) Ethyl methacrylate	10.438	69	42096	8.830	ug/l	98
57) 1,3-Dichloropropane	10.719	76	64537	9.633	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	94970m	45.535	ug/l	
59) 2-Hexanone	10.761	43	99175	50.138	ug/l	96
60) Dibromochloromethane	10.908	129	57151	10.123	ug/l	97
61) 1,2-Dibromoethane	11.011	107	38861	9.979	ug/l	99
64) Tetrachloroethene	10.646	164	76110	10.335	ug/l	98
65) Chlorobenzene	11.438	112	161155	10.074	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	57233	10.173	ug/l	98
67) Ethyl Benzene	11.517	91	251958	9.651	ug/l	98
68) m/p-Xylenes	11.627	106	198866	19.004	ug/l	99
69) o-Xylene	11.950	106	91710	9.467	ug/l	100
70) Styrene	11.969	104	151094	9.446	ug/l	99
71) Bromoform	12.133	173	35681	10.595	ug/l #	94
73) Isopropylbenzene	12.249	105	236489	9.467	ug/l	99
74) N-amyl acetate	12.066	43	40098	8.590	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41130	9.871	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	29944m	8.095	ug/l	
77) Bromobenzene	12.529	156	66002	10.295	ug/l	99
78) n-propylbenzene	12.590	91	275671	9.384	ug/l	100
79) 2-Chlorotoluene	12.676	91	165582	9.762	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	191799	9.445	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	13110	9.556	ug/l	99
82) 4-Chlorotoluene	12.773	91	169968	9.595	ug/l	100
83) tert-Butylbenzene	12.993	119	177250	9.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	191423	9.528	ug/l	98
85) sec-Butylbenzene	13.170	105	254134	9.483	ug/l	100
86) p-Isopropyltoluene	13.285	119	210320	9.287	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	127377	10.058	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	127757	10.172	ug/l	98
89) n-Butylbenzene	13.615	91	182116	9.107	ug/l	98
90) Hexachloroethane	13.877	117	47355	9.630	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	112325	10.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7005	10.608	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	65050	9.992	ug/l	98
94) Hexachlorobutadiene	15.023	225	42813	10.554	ug/l	97
95) Naphthalene	15.139	128	96092	9.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	56499	10.004	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

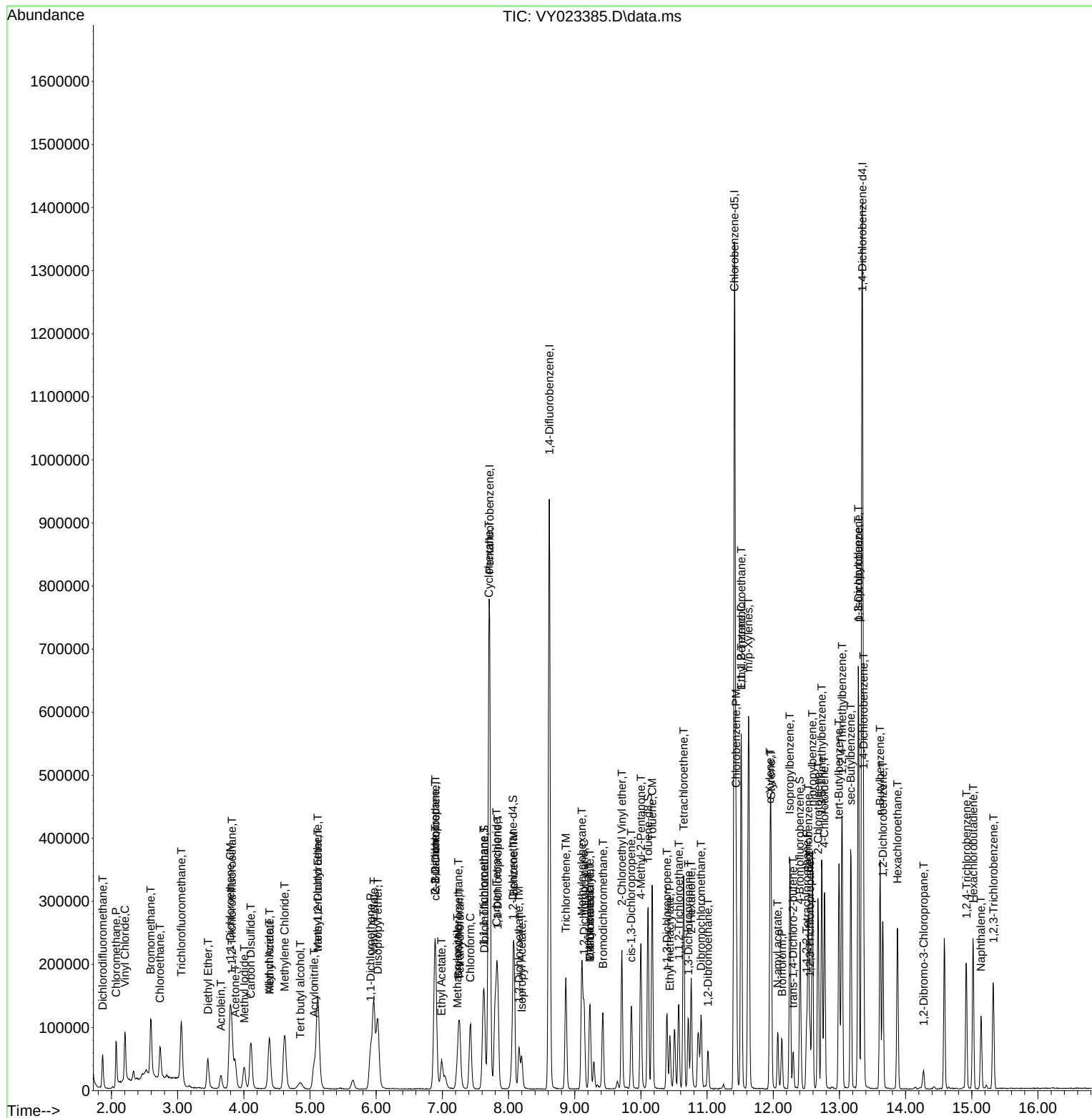
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

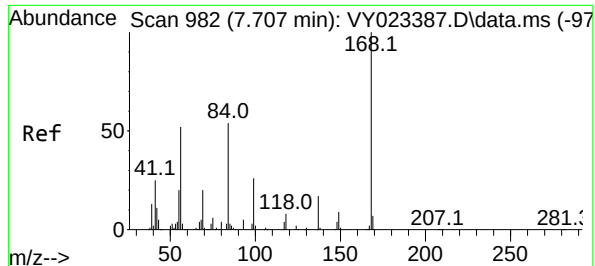
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

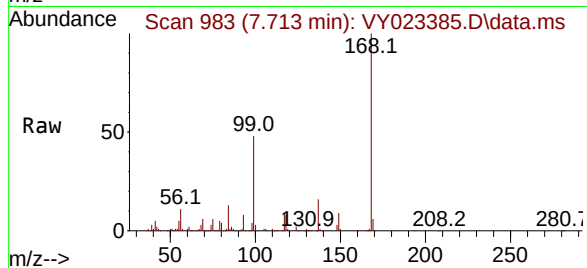
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

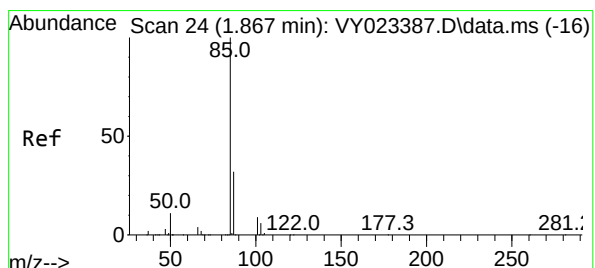
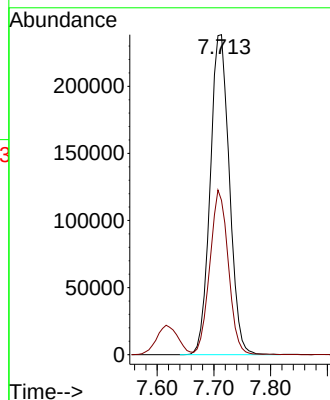
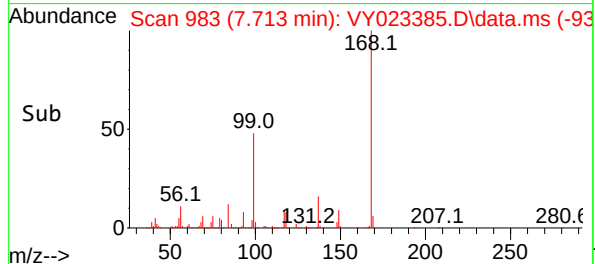
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 559828
Ion Ratio Lower Upper
168 100
99 48.2 39.7 59.5

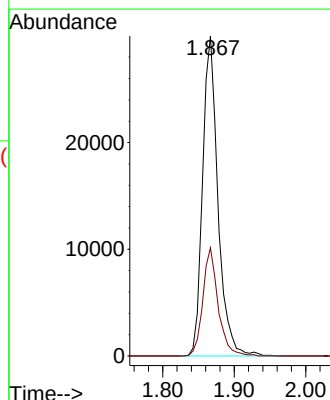
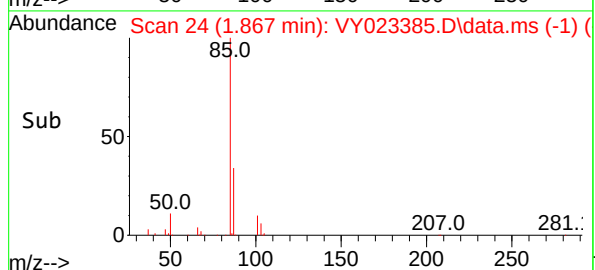
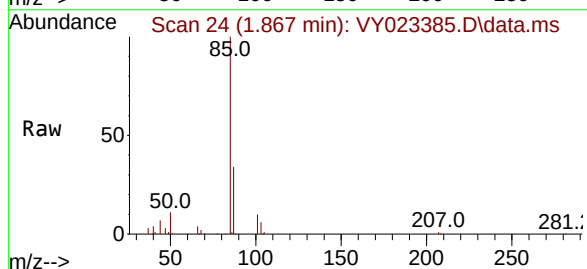
Manual Integrations
APPROVED

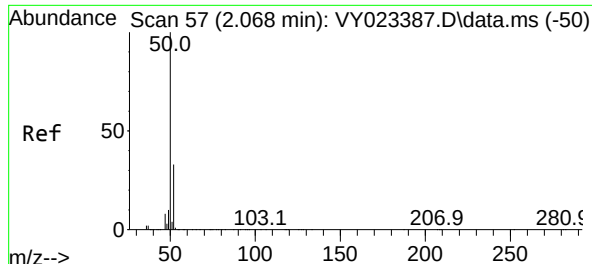
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 10.129 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 85 Resp: 44666
Ion Ratio Lower Upper
85 100
87 33.8 16.0 47.9





#3

Chloromethane

Concen: 9.957 ug/l

RT: 2.068 min Scan# 57

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 6241

Ion Ratio Lower Upper

50 100

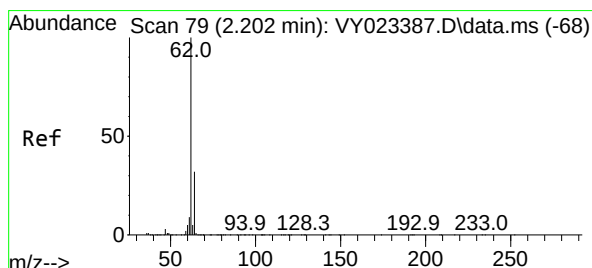
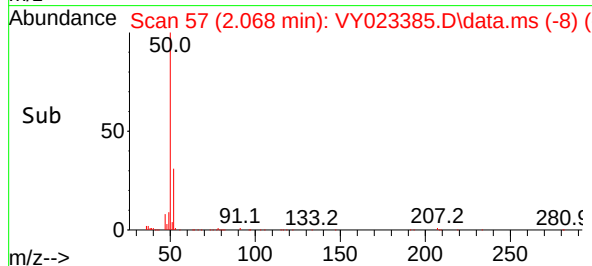
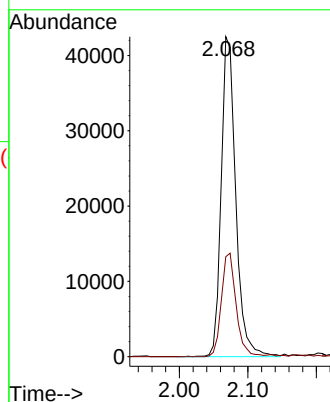
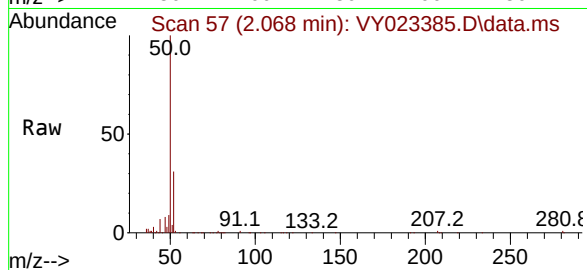
52 31.2 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#4

Vinyl Chloride

Concen: 9.676 ug/l

RT: 2.202 min Scan# 79

Delta R.T. -0.000 min

Lab File: VY023385.D

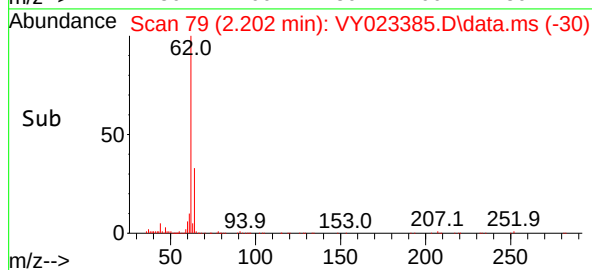
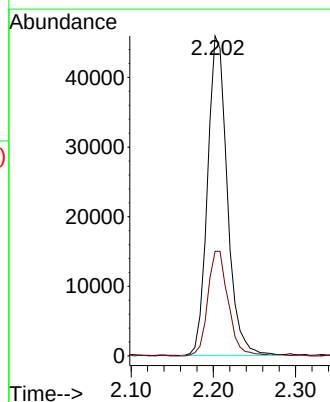
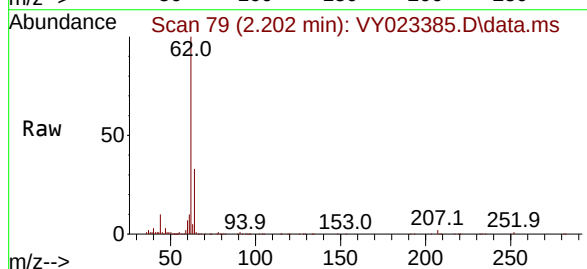
Acq: 07 Oct 2025 10:02

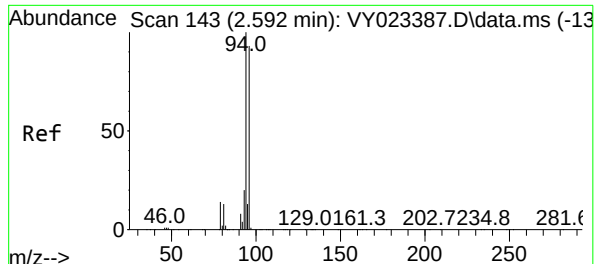
Tgt Ion: 62 Resp: 76587

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





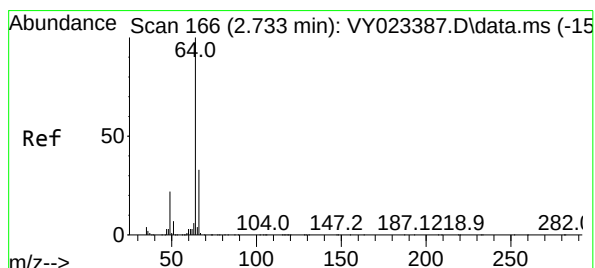
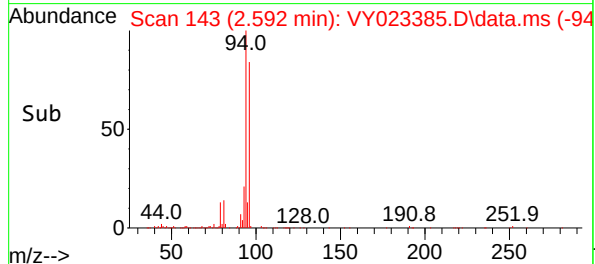
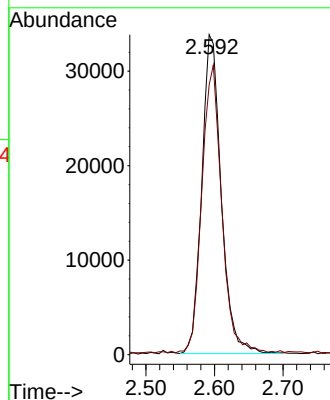
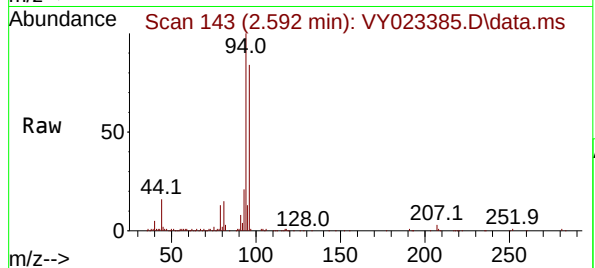
#5
Bromomethane
Concen: 10.271 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 66689
Ion Ratio Lower Upper
94 100
96 83.4 74.5 111.7

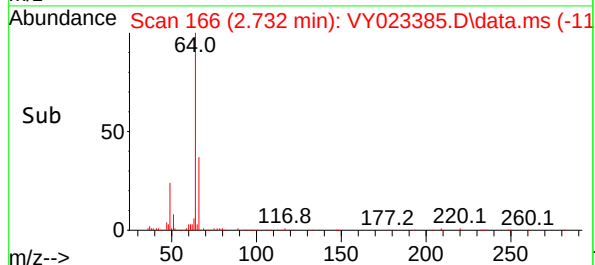
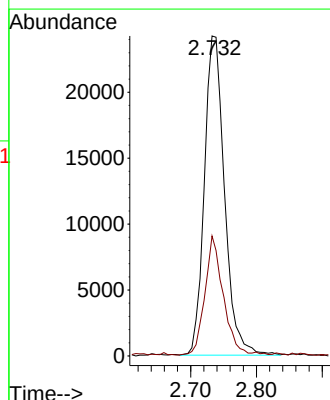
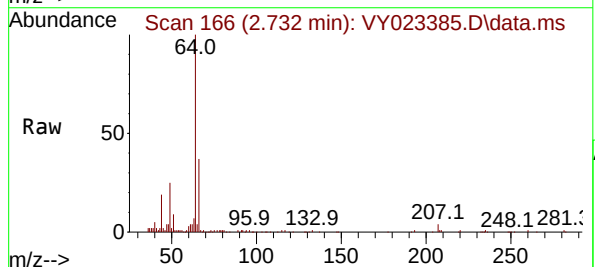
Manual Integrations
APPROVED

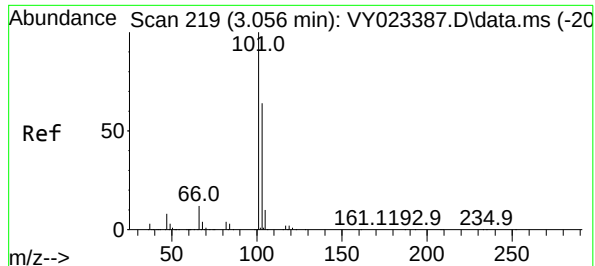
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 9.632 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

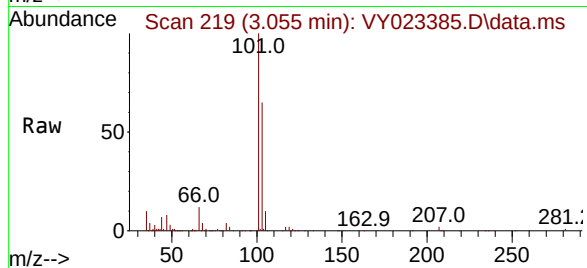
Tgt Ion: 64 Resp: 51757
Ion Ratio Lower Upper
64 100
66 37.2 26.2 39.4





#7
Trichlorofluoromethane
Concen: 10.128 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

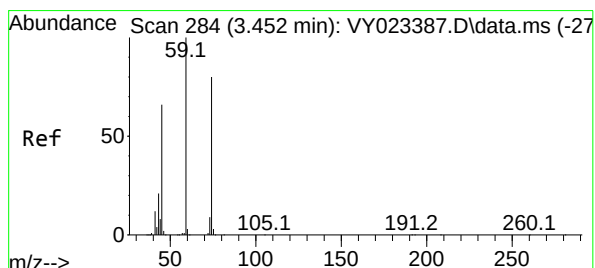
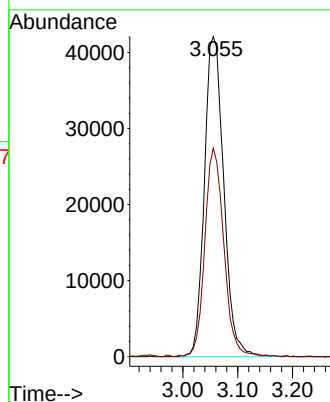
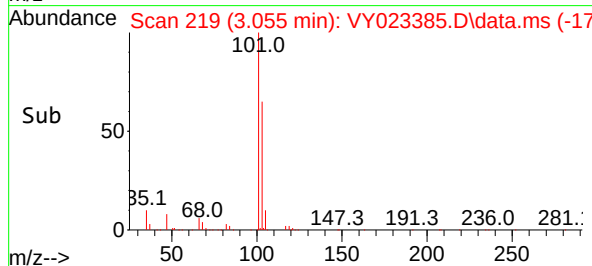
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



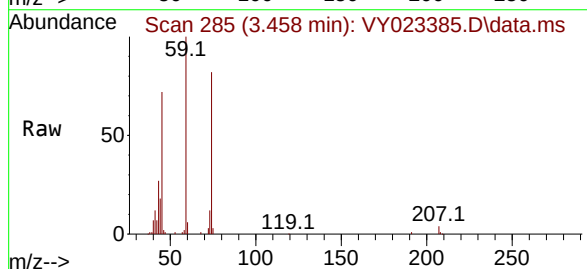
Tgt Ion:101 Resp: 102972
Ion Ratio Lower Upper
101 100
103 65.1 51.3 76.9

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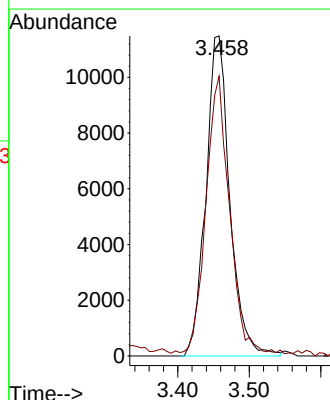
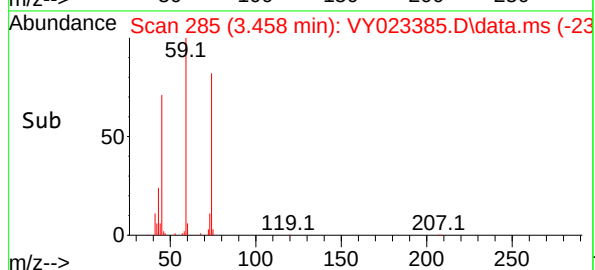
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

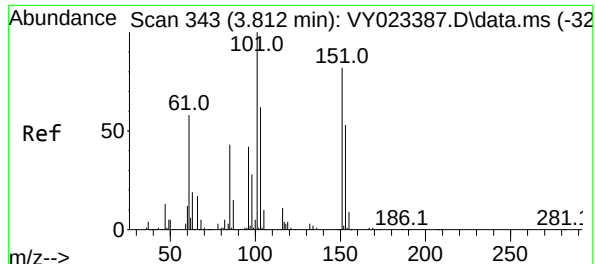


#8
Diethyl Ether
Concen: 10.047 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02



Tgt Ion: 74 Resp: 26719
Ion Ratio Lower Upper
74 100
45 83.5 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.011 ug/l

RT: 3.818 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

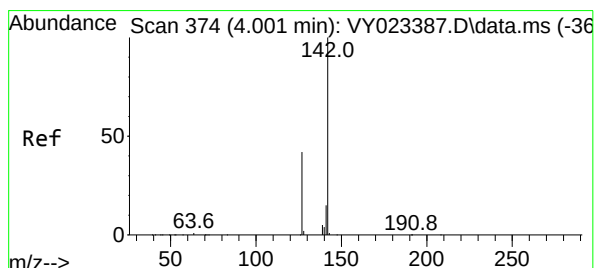
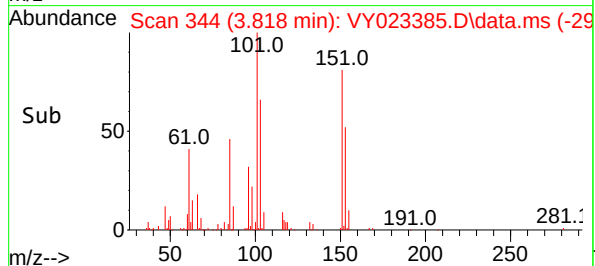
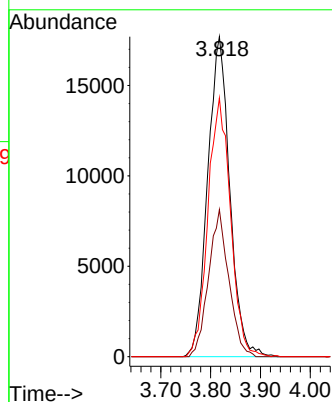
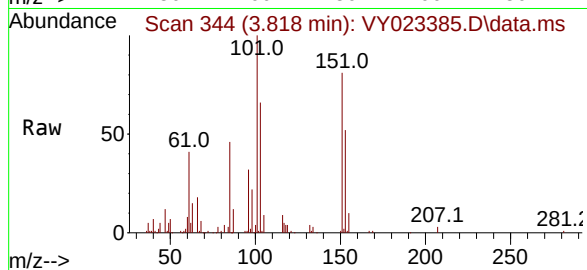
VSTDICC010

Tgt Ion:	101	Resp:	5440
Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.6	51.8
151	82.7	67.0	100.6

Manual Integrations

APPROVED

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



#10

Methyl Iodide

Concen: 8.967 ug/l

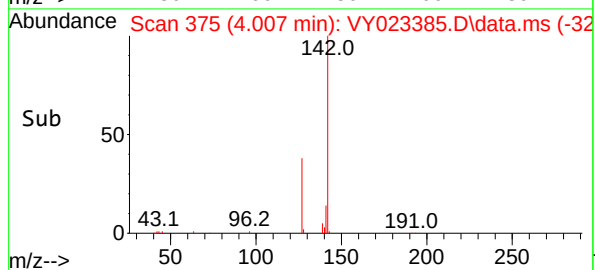
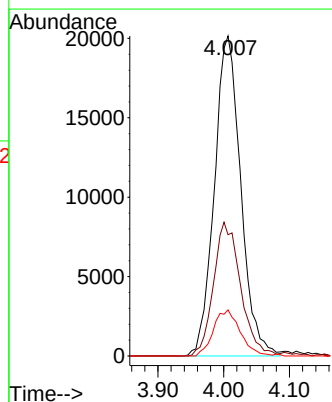
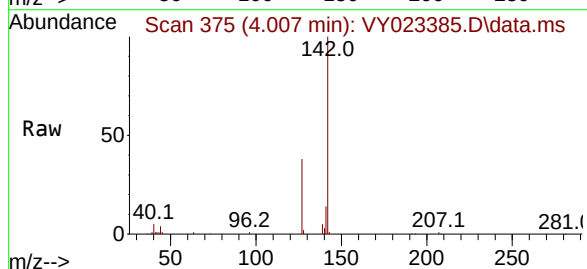
RT: 4.007 min Scan# 375

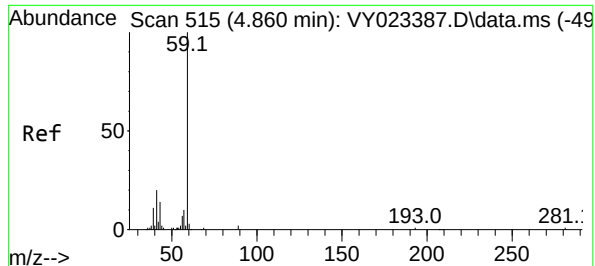
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	142	Resp:	56313
Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.8	52.2
141	14.6	11.6	17.4





#11

Tert butyl alcohol

Concen: 71.998 ug/l

RT: 4.854 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 20540

Ion Ratio Lower Upper

59 100

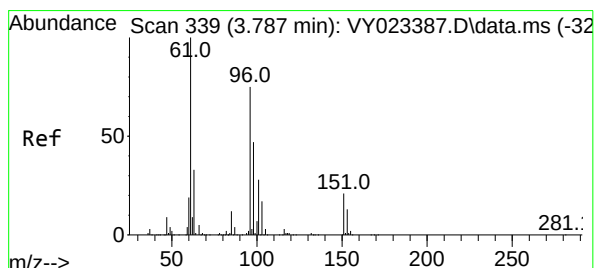
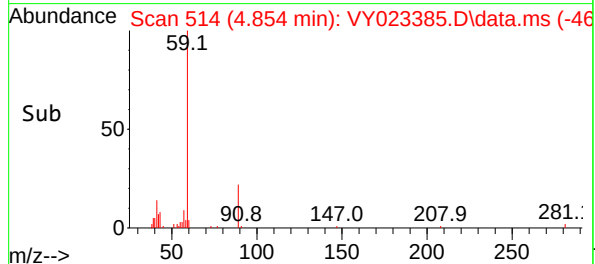
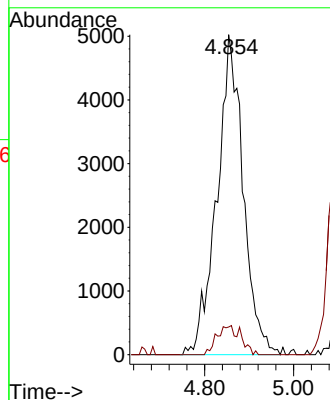
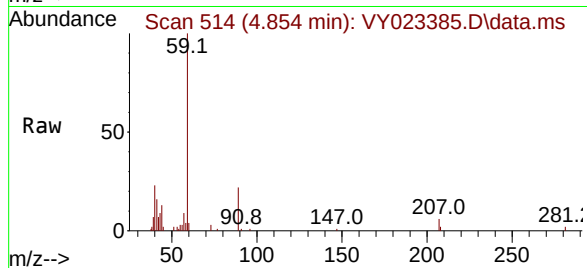
57 6.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 10.173 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

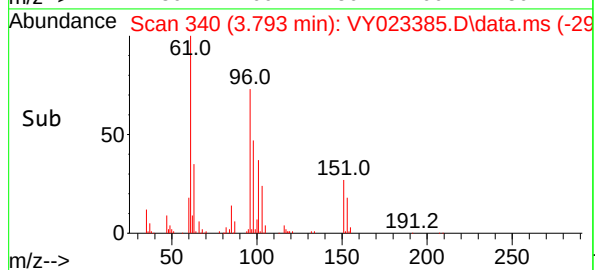
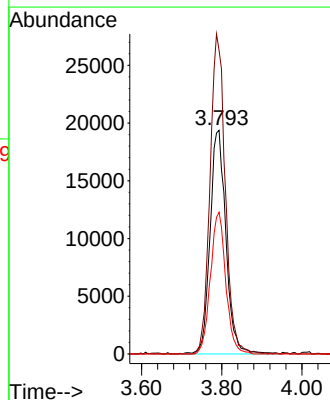
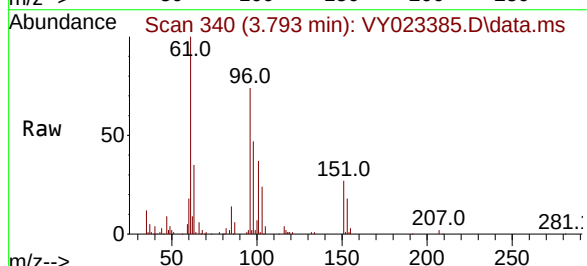
Tgt Ion: 96 Resp: 53191

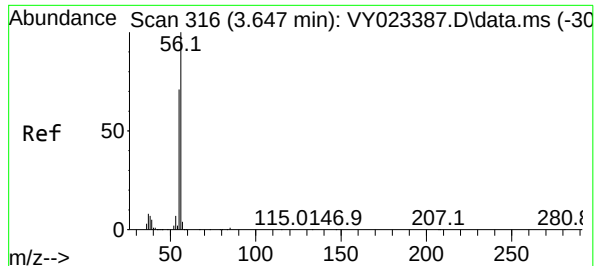
Ion Ratio Lower Upper

96 100

61 135.7 106.7 160.1

98 63.4 50.2 75.4





#13

Acrolein

Concen: 49.681 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 24014

Ion Ratio Lower Upper

56 100

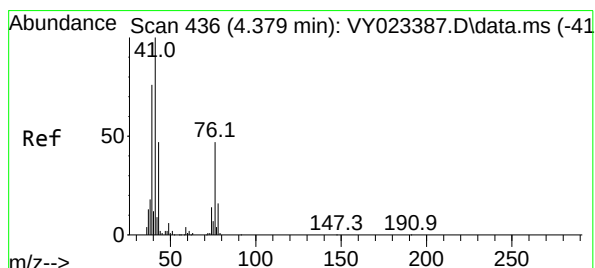
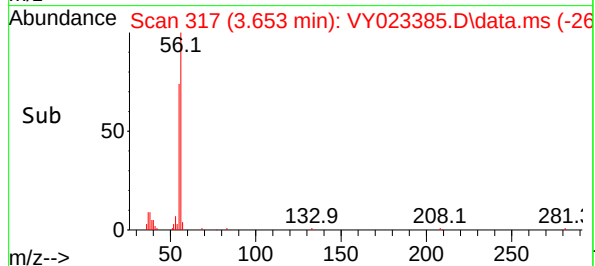
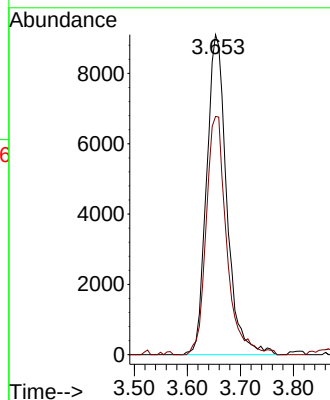
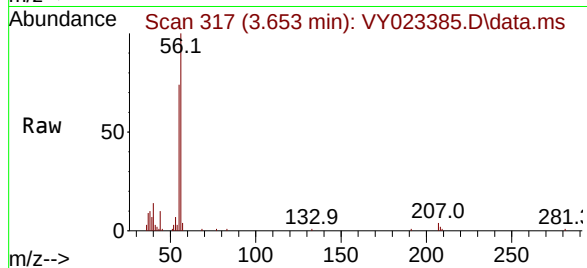
55 75.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 9.494 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

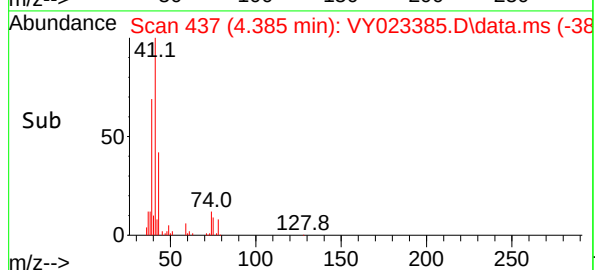
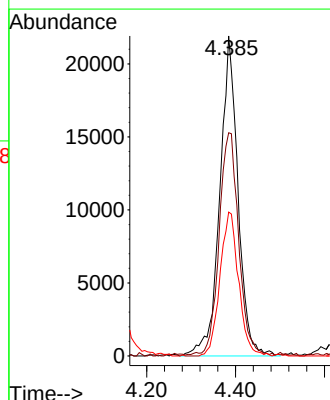
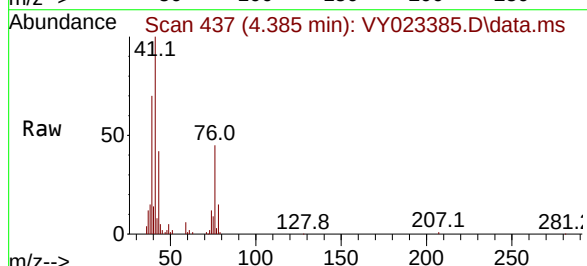
Tgt Ion: 41 Resp: 62154

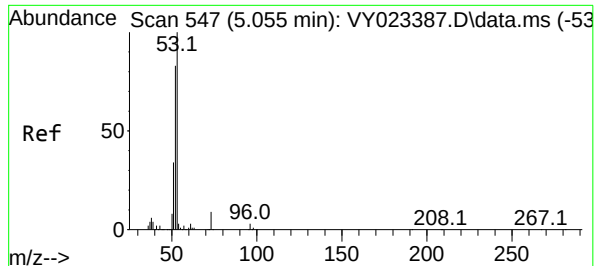
Ion Ratio Lower Upper

41 100

39 74.2 59.9 89.9

76 45.9 38.0 57.0





#15

Acrylonitrile

Concen: 49.854 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

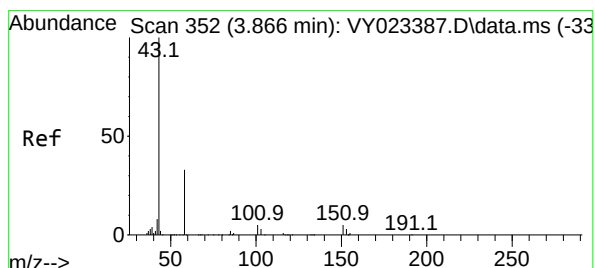
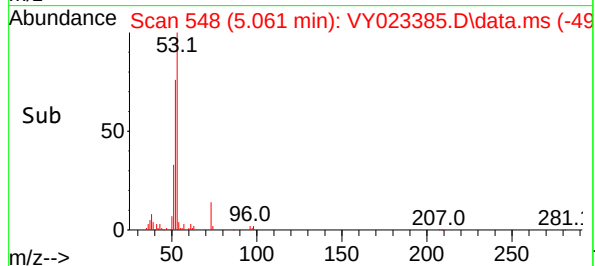
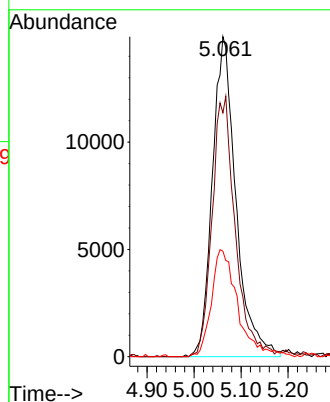
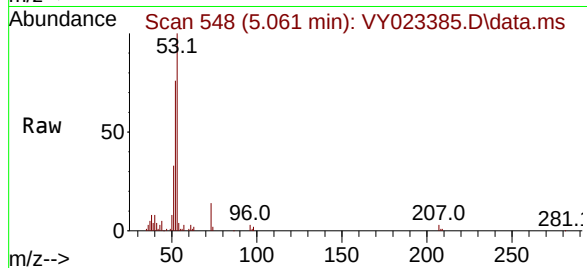
ClientSampleId :

VSTDICC010

Tgt Ion: 53	Resp: 5193
Ion Ratio	Lower Upper
53	100
52	79.5 64.6 97.0
51	37.4 29.5 44.3

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



#16

Acetone

Concen: 59.997 ug/l

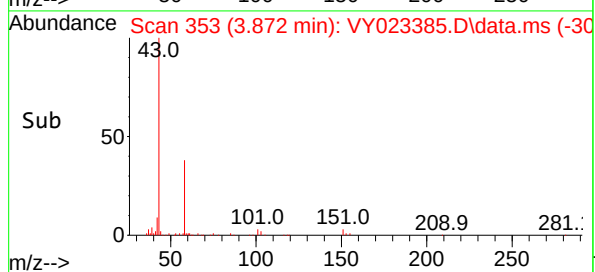
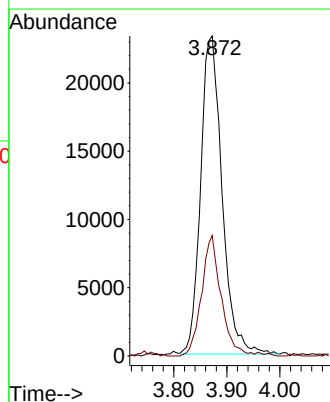
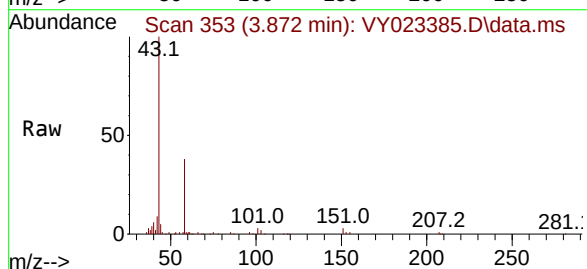
RT: 3.872 min Scan# 353

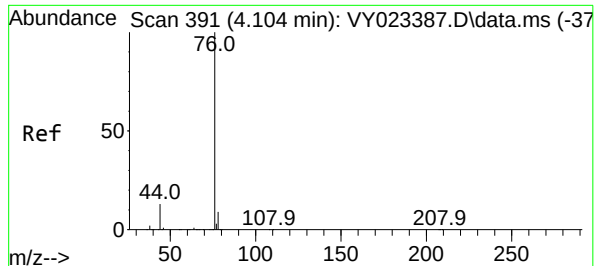
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion: 43	Resp: 65410
Ion Ratio	Lower Upper
43	100
58	37.9 27.7 41.5





#17

Carbon Disulfide

Concen: 9.382 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023385.D

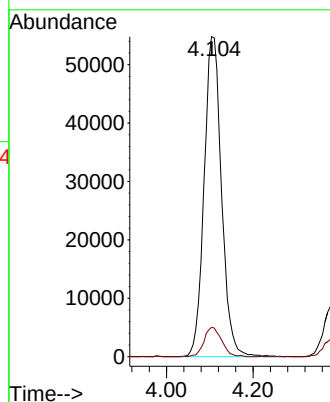
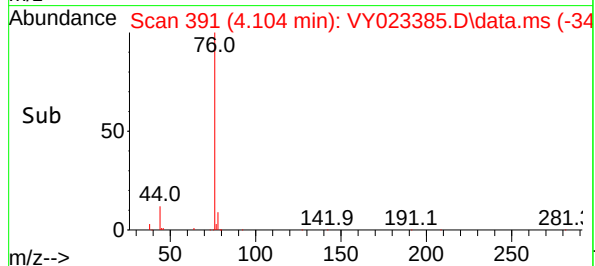
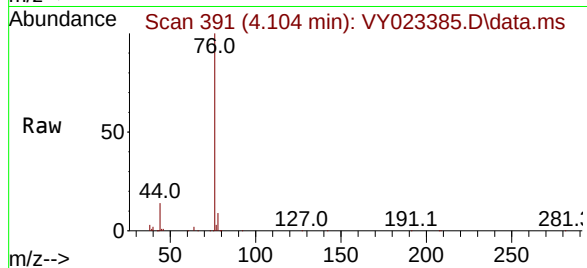
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 15305

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Instrument :

MSVOA_Y

ClientSampleId :

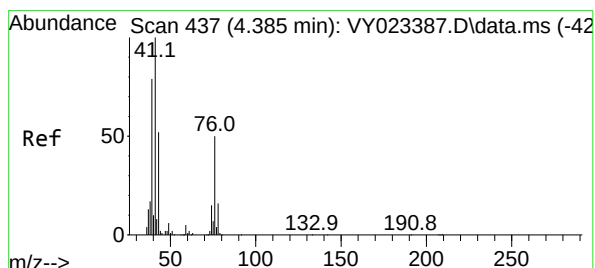
VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 10.728 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023385.D

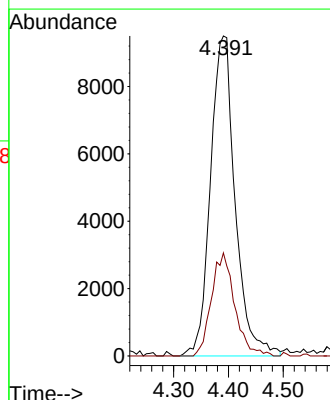
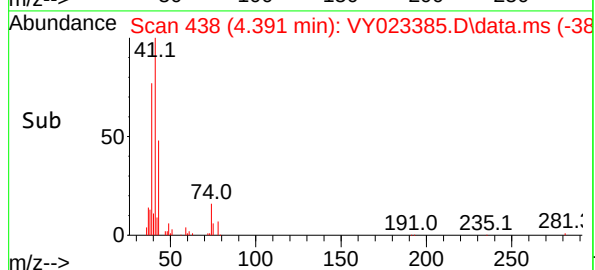
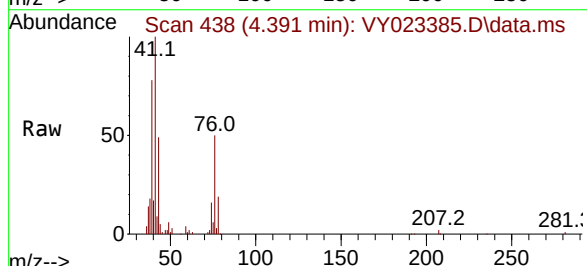
Acq: 07 Oct 2025 10:02

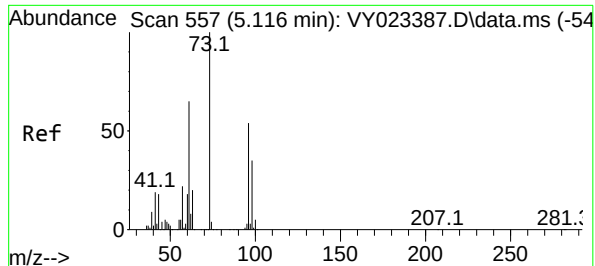
Tgt Ion: 43 Resp: 29725

Ion Ratio Lower Upper

43 100

74 30.3 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 9.830 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 12034

Ion Ratio Lower Upper

73 100

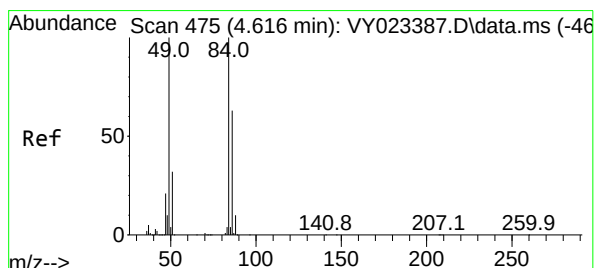
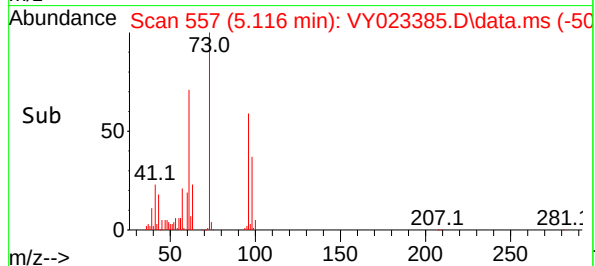
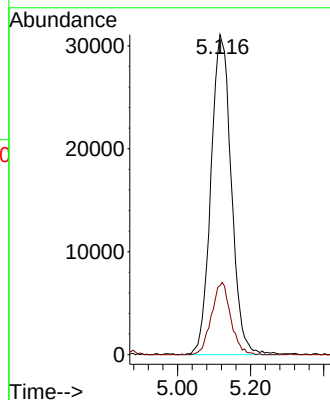
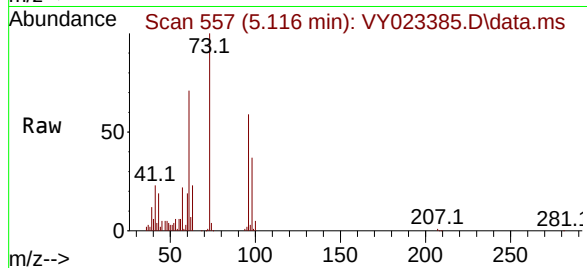
57 21.5 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 12.016 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion: 84 Resp: 71034

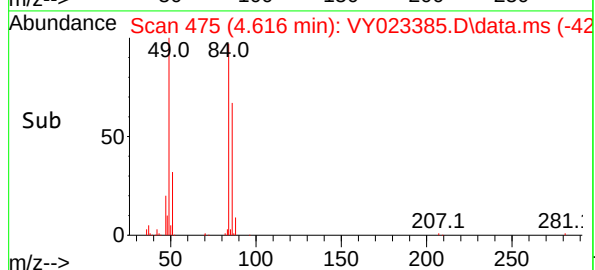
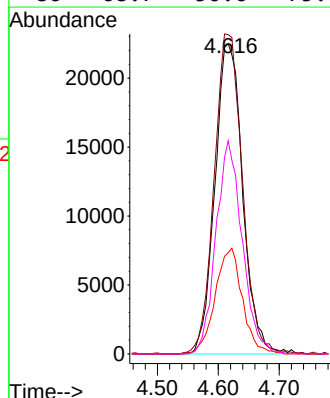
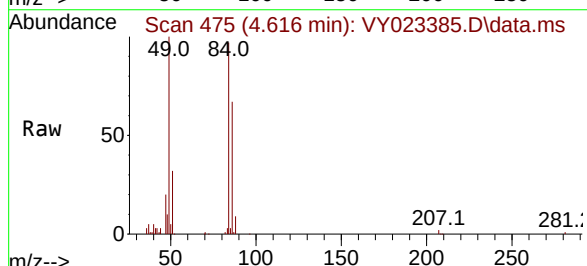
Ion Ratio Lower Upper

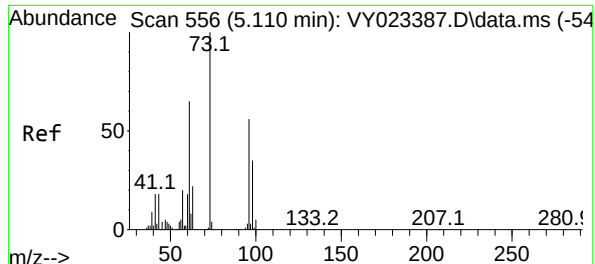
84 100

49 102.9 80.2 120.4

51 32.6 25.9 38.9

86 68.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 9.710 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 96 Resp: 5646

Ion Ratio Lower Upper

96 100

61 121.0 92.7 139.1

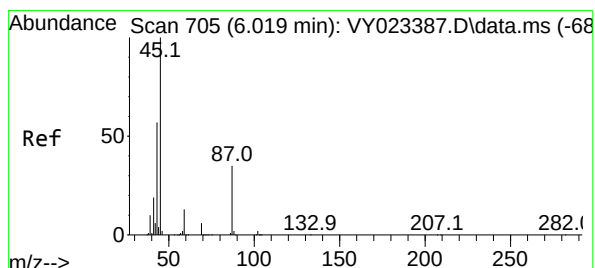
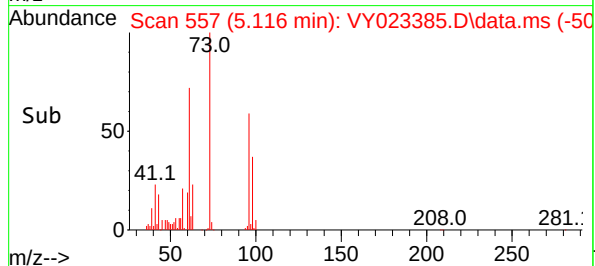
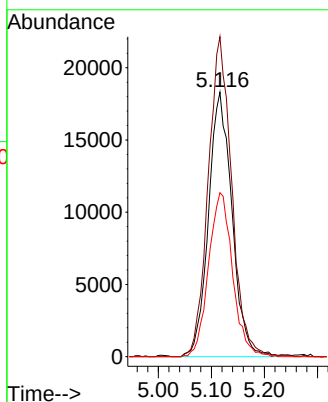
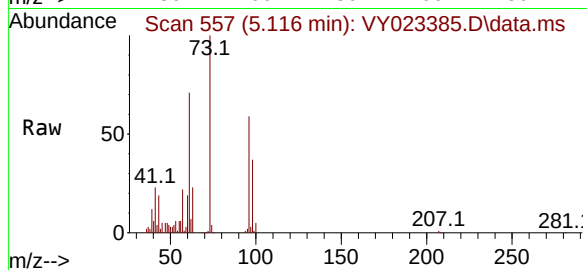
98 62.0 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#22

Diisopropyl ether

Concen: 9.547 ug/l

RT: 6.024 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion: 45 Resp: 138589

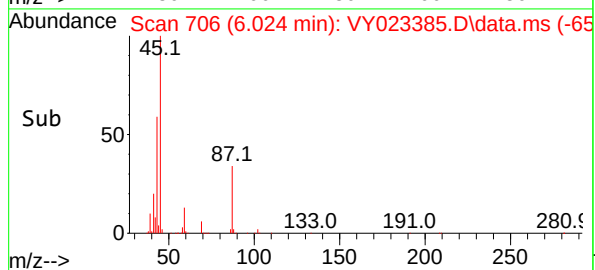
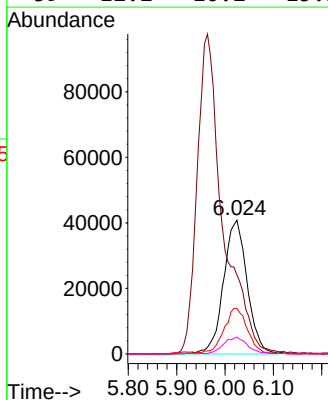
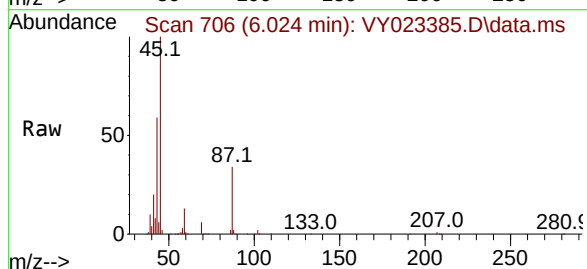
Ion Ratio Lower Upper

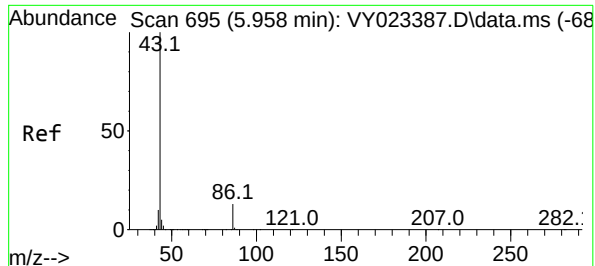
45 100

43 58.2 45.6 68.4

87 33.7 28.1 42.1

59 12.2 10.2 15.2





#23

Vinyl Acetate

Concen: 45.300 ug/l

RT: 5.963 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 361478

Ion Ratio Lower Upper

43

100

86

13.5

10.6

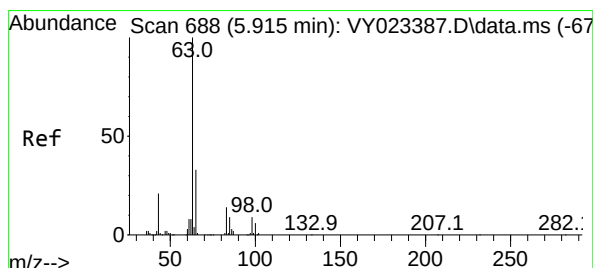
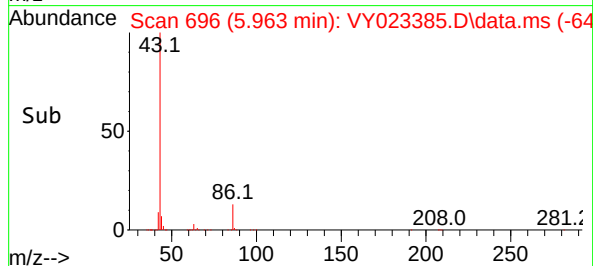
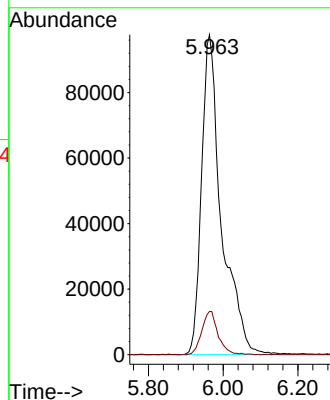
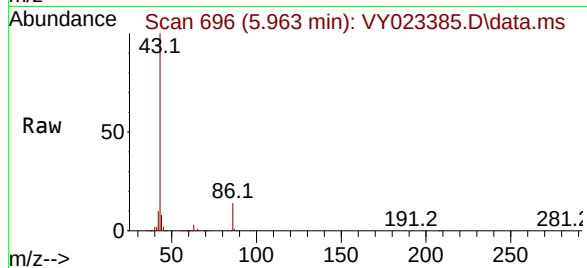
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 9.772 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 93512

Ion Ratio Lower Upper

63

100

98

8.4

4.3

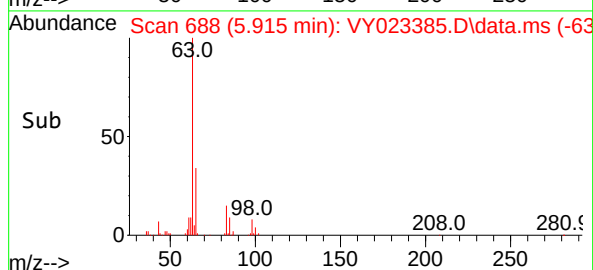
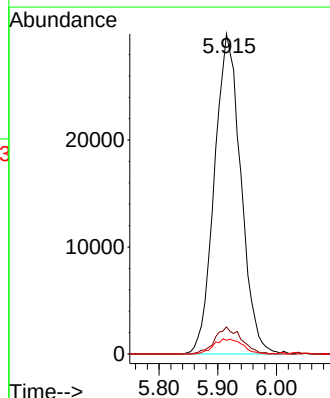
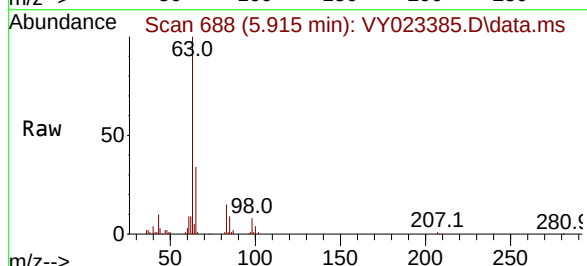
13.1

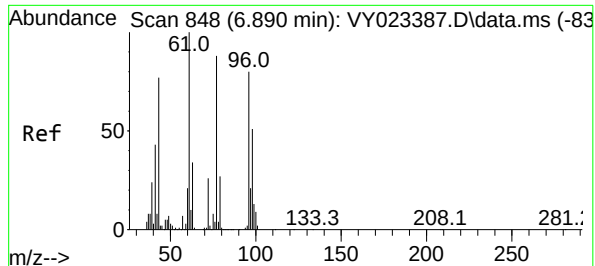
100

4.3

2.8

8.4





#25

2-Butanone

Concen: 55.784 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 7517

Ion Ratio Lower Upper

43 100

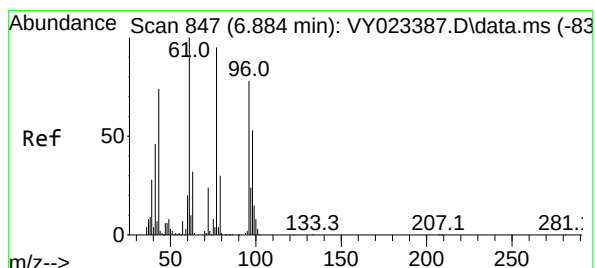
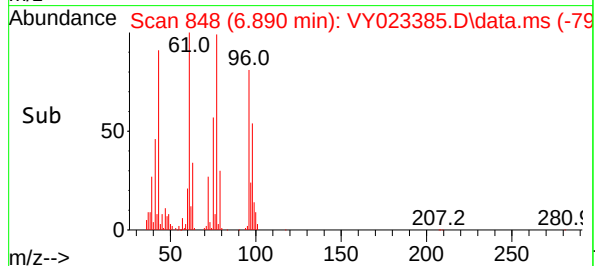
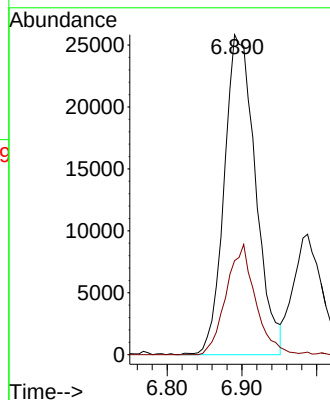
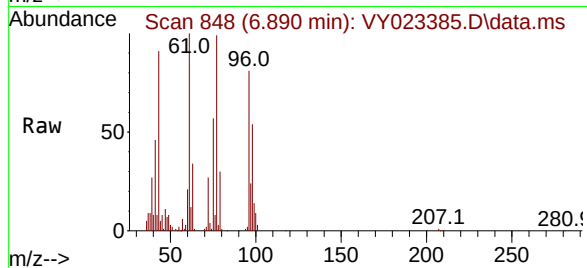
72 29.4 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 10.153 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023385.D

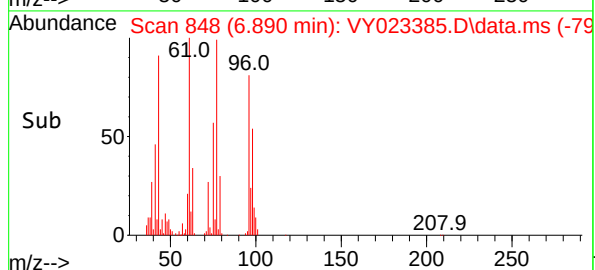
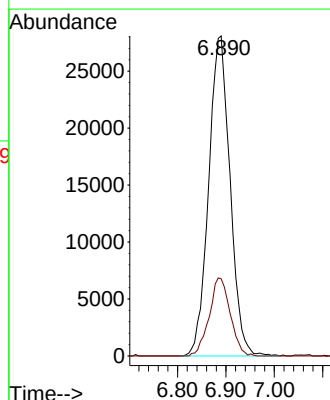
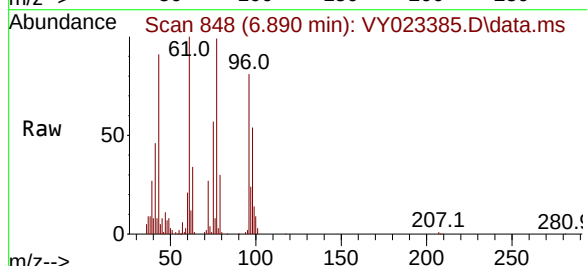
Acq: 07 Oct 2025 10:02

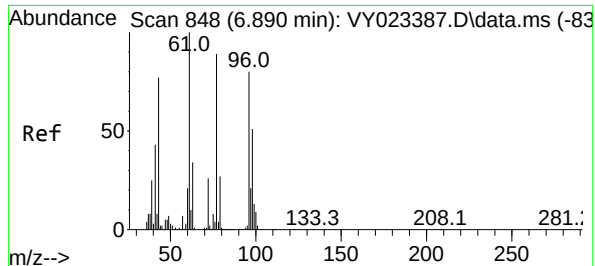
Tgt Ion: 77 Resp: 86325

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 9.905 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

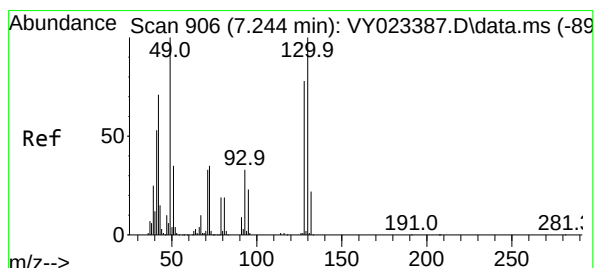
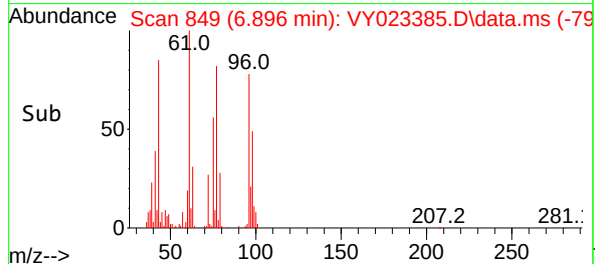
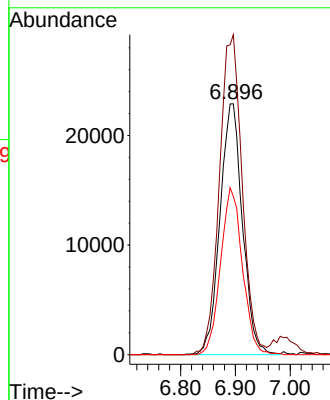
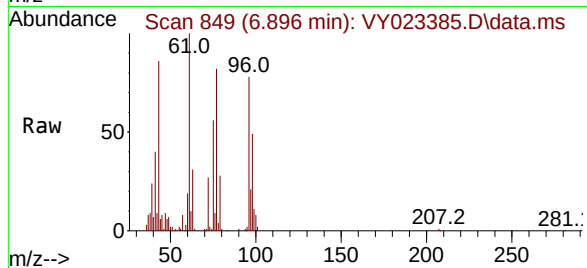
VSTDIC010

Tgt Ion:	96	Resp:	6533
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	64.5	0.0	132.0

Manual Integrations

APPROVED

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



#28

Bromochloromethane

Concen: 9.733 ug/l

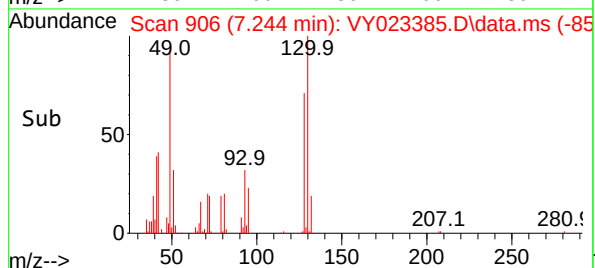
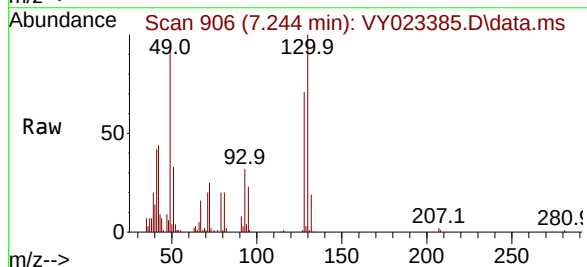
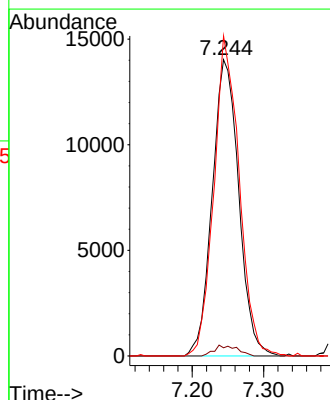
RT: 7.244 min Scan# 906

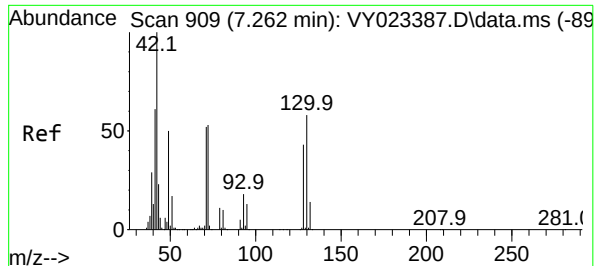
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	49	Resp:	36132
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	103.0	81.9	122.9





#29

Tetrahydrofuran

Concen: 48.749 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

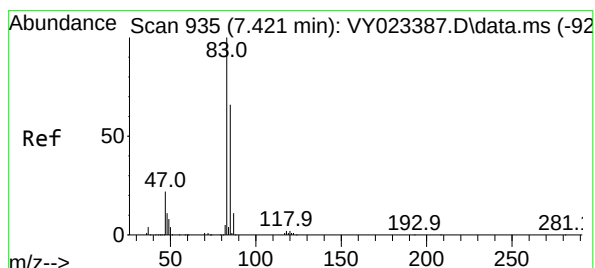
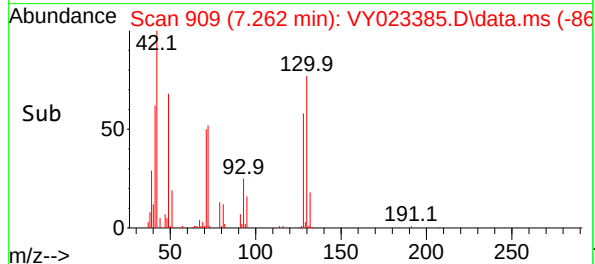
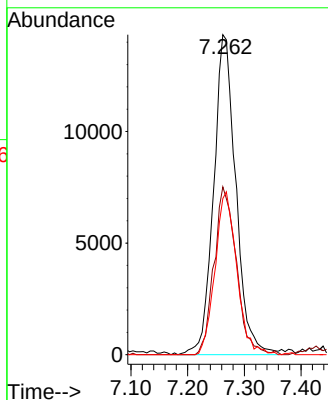
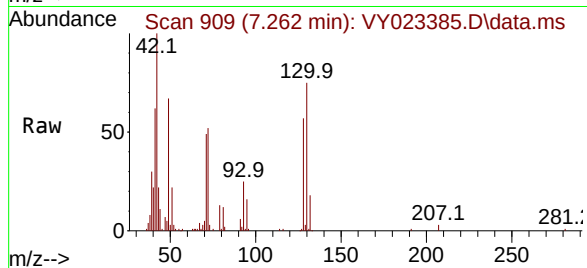
ClientSampleId :

VSTDIC010

Tgt Ion:	42	Resp:	38990
Ion	Ratio	Lower	Upper
42	100		
72	52.6	43.0	64.6
71	49.8	40.1	60.1

Manual Integrations
APPROVED

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



#30

Chloroform

Concen: 9.890 ug/l

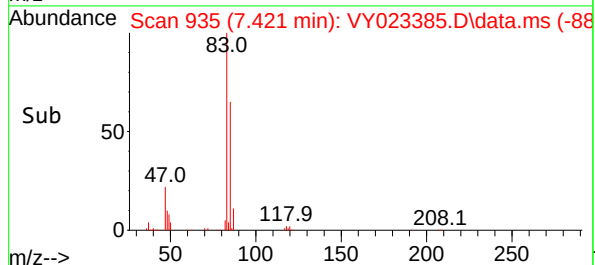
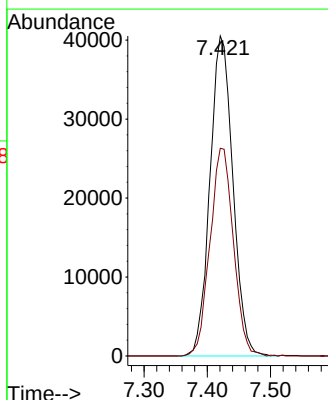
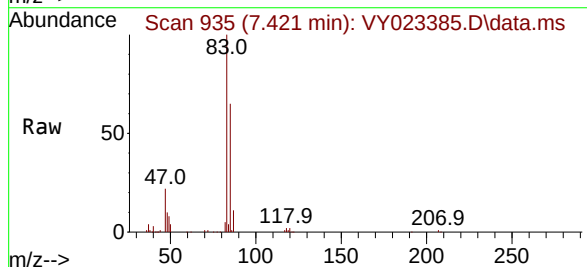
RT: 7.421 min Scan# 935

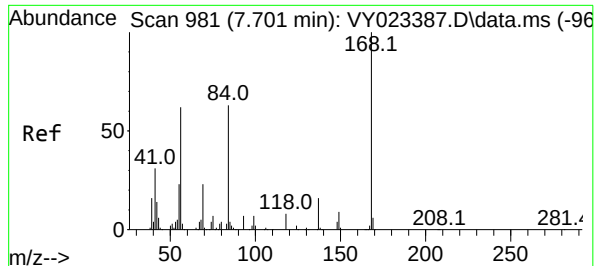
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	83	Resp:	102058
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7





#31

Cyclohexane

Concen: 9.495 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 8024

Ion Ratio Lower Upper

56 100

69 50.5 30.0 45.0

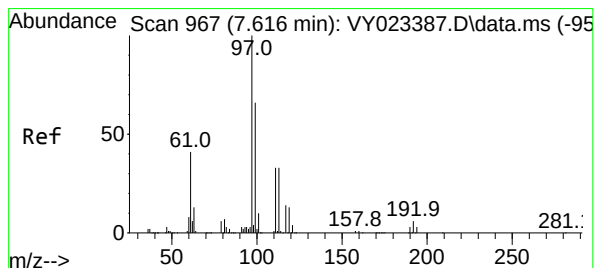
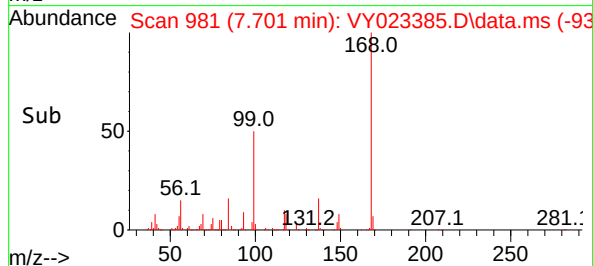
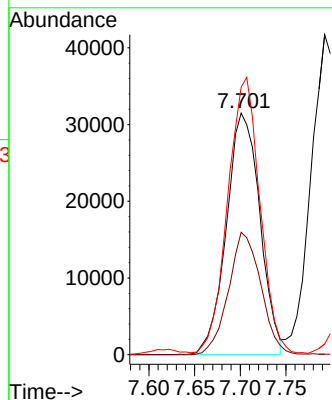
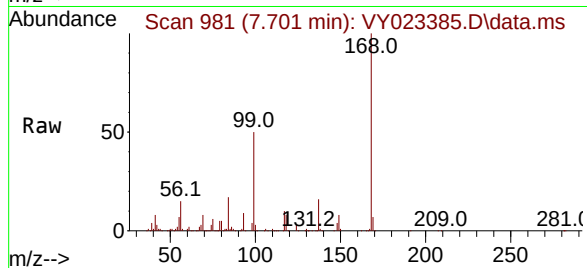
84 109.7 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 9.844 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

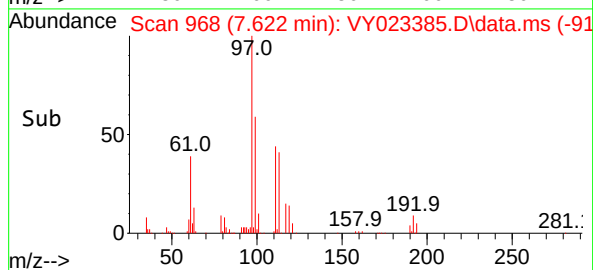
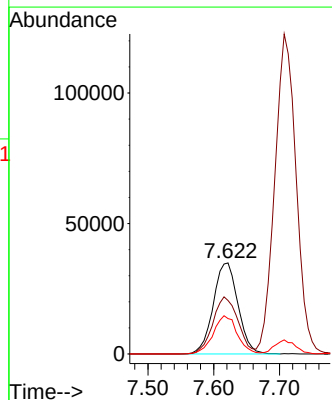
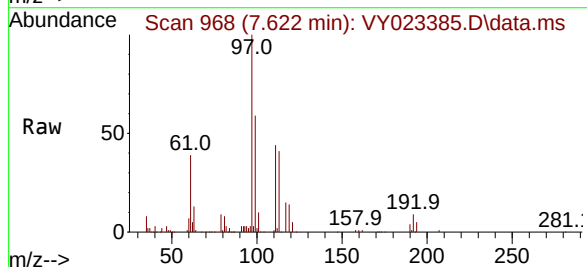
Tgt Ion: 97 Resp: 91186

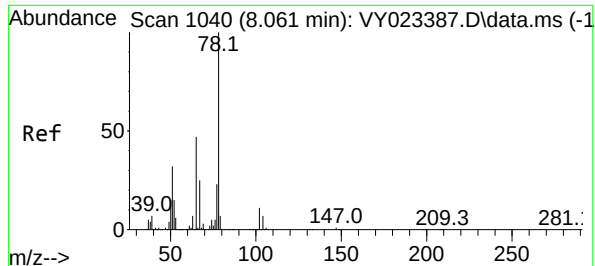
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 41.0 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 10.071 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 48820

Ion Ratio Lower Upper

65 100

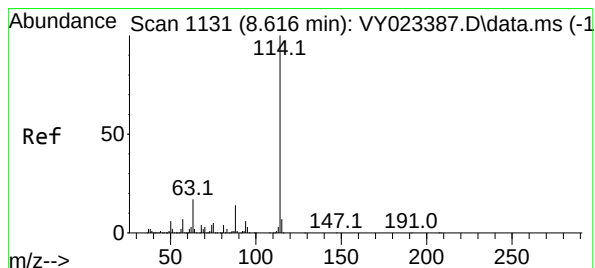
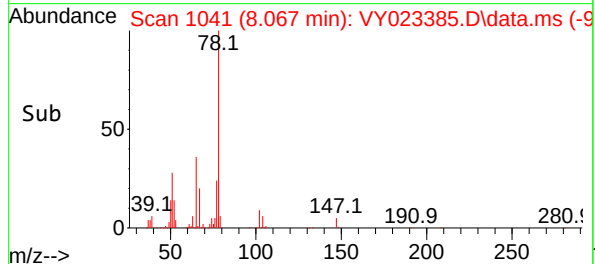
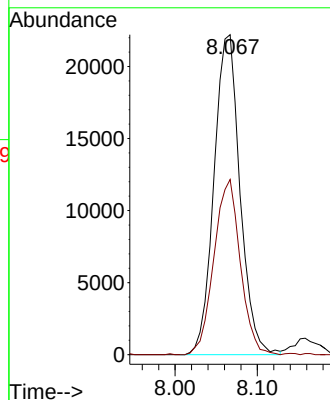
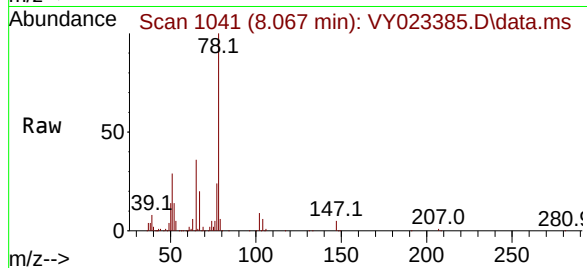
67 55.4 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

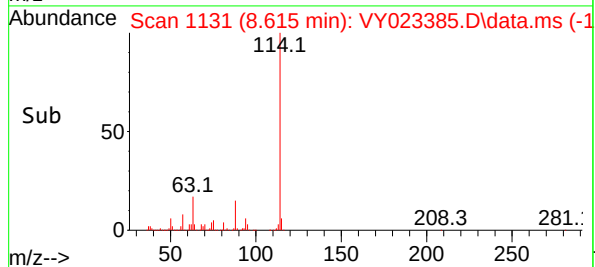
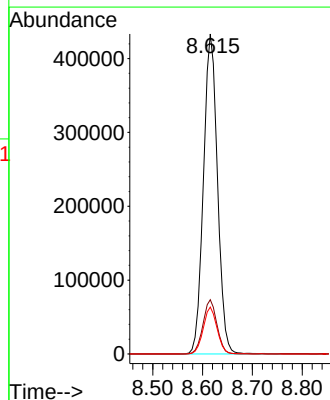
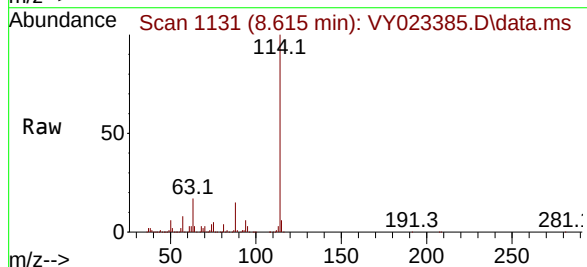
Tgt Ion:114 Resp: 847077

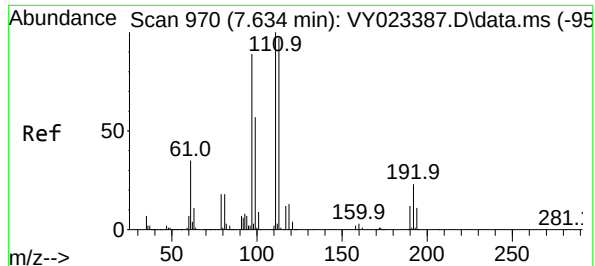
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.7 0.0 28.4





#35

Dibromofluoromethane

Concen: 10.364 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

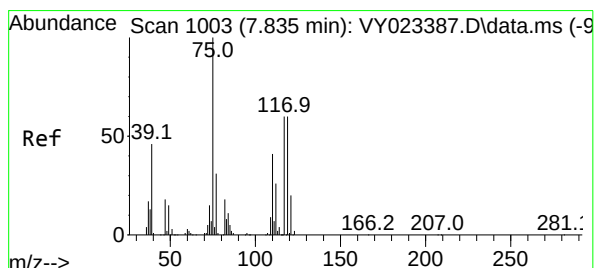
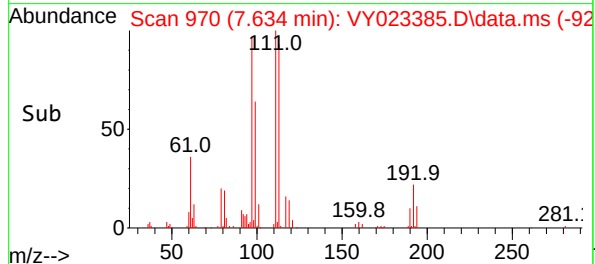
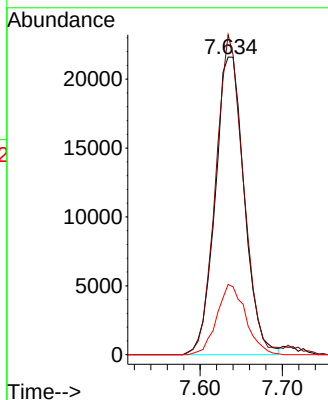
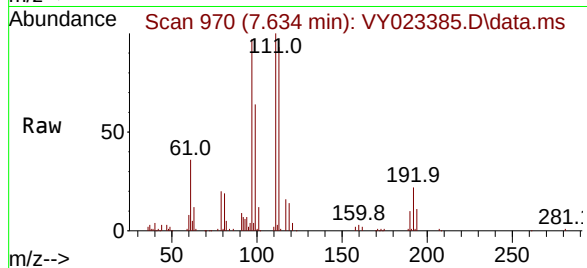
VSTDIC010

Tgt Ion:	113	Resp:	53279
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	23.3	18.0	27.0

Manual Integrations

APPROVED

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



#36

1,1-Dichloropropene

Concen: 9.639 ug/l

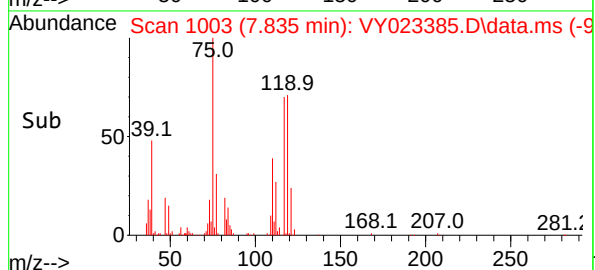
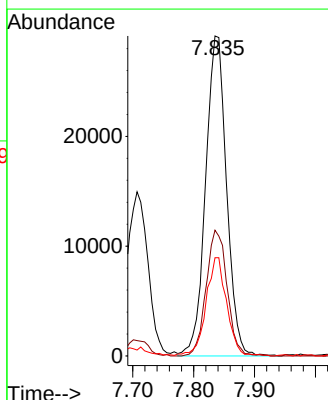
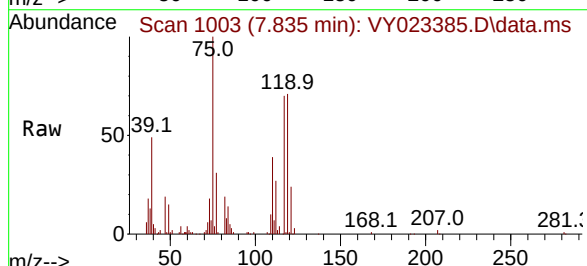
RT: 7.835 min Scan# 1003

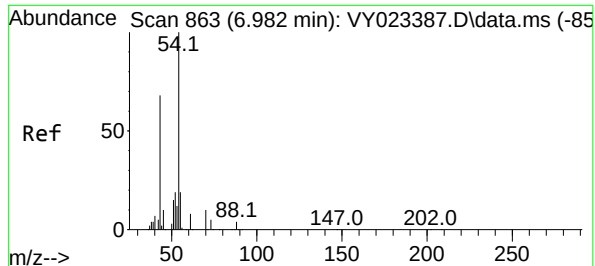
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	75	Resp:	69913
Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.9	59.7
77	30.4	25.0	37.6





#37

Ethyl Acetate

Concen: 9.551 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 2738

Ion Ratio Lower Upper

43 100

61 17.3 11.8 17.8

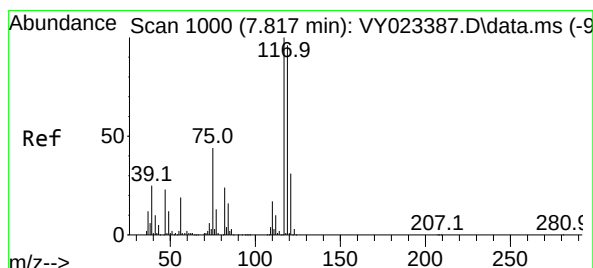
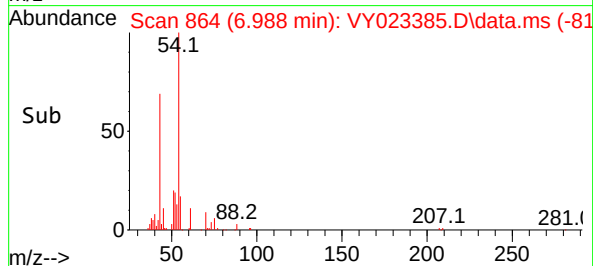
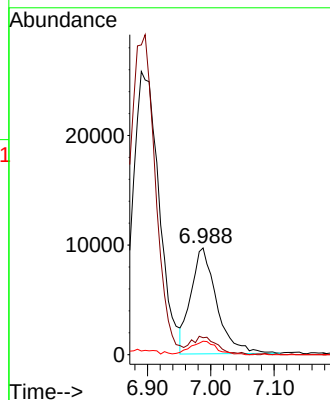
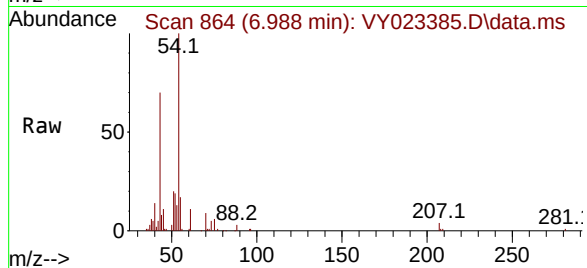
70 12.8 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 10.065 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

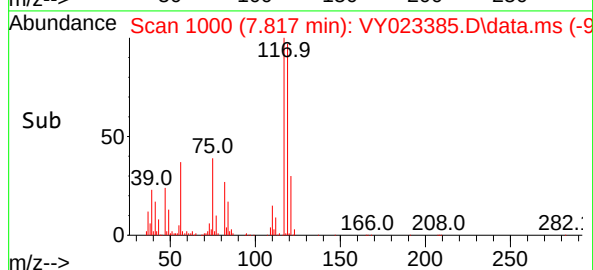
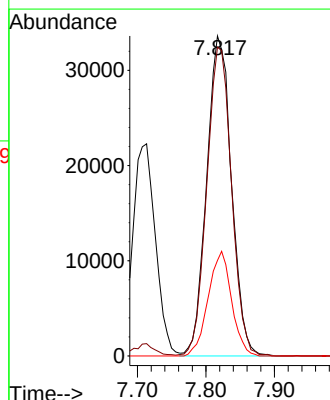
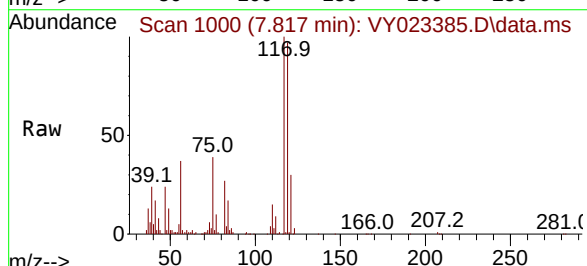
Tgt Ion:117 Resp: 84799

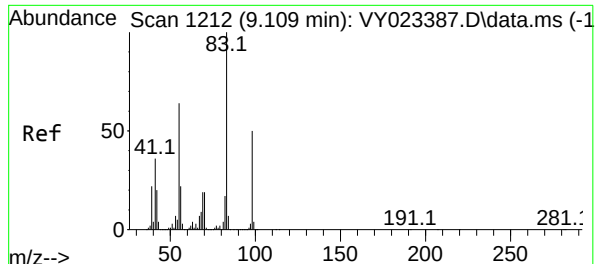
Ion Ratio Lower Upper

117 100

119 96.5 76.8 115.2

121 29.9 24.5 36.7





#39

Methylcyclohexane

Concen: 8.860 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

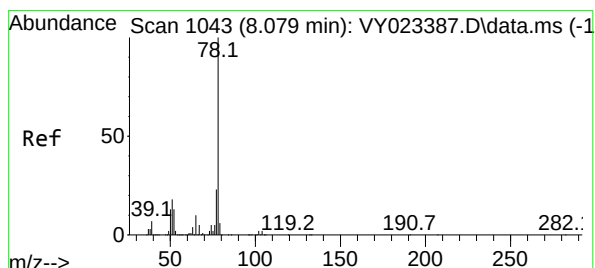
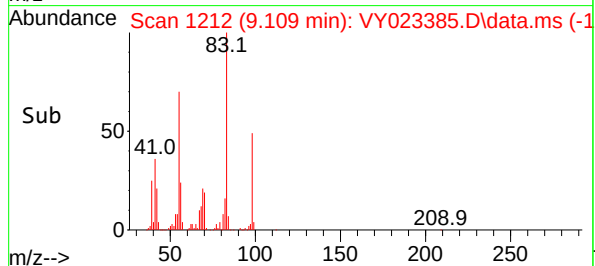
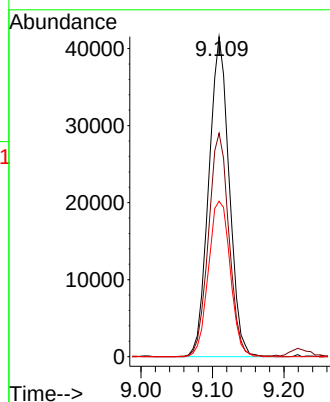
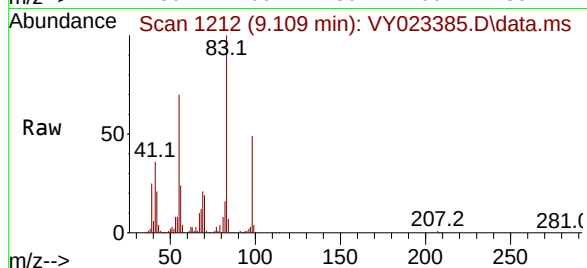
VSTDICC010

Tgt Ion:	83	Resp:	82275
Ion	Ratio	Lower	Upper
83	100		
55	69.7	51.4	77.2
98	48.6	40.4	60.6

Manual Integrations

APPROVED

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



#40

Benzene

Concen: 9.758 ug/l

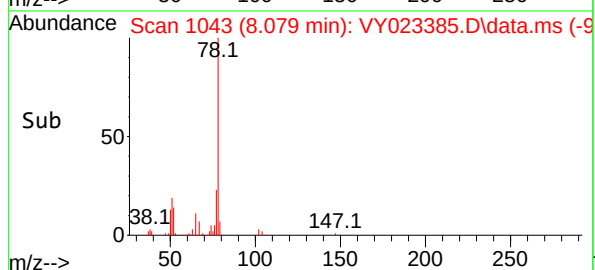
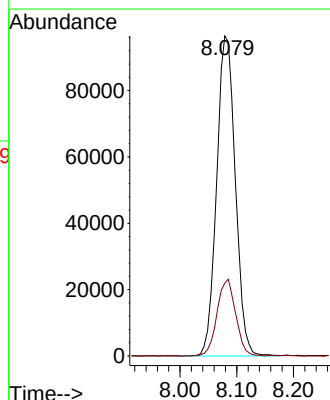
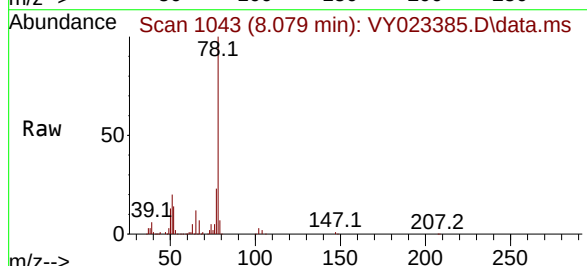
RT: 8.079 min Scan# 1043

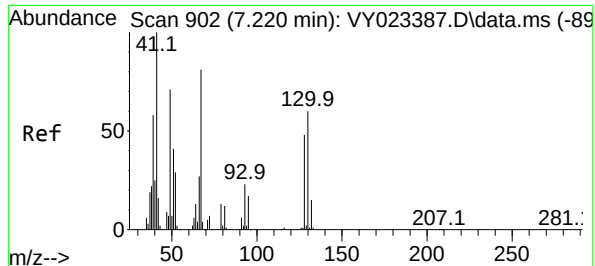
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	78	Resp:	220629
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5





#41

Methacrylonitrile

Concen: 9.632 ug/l

RT: 7.225 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 41 Resp: 14344

Ion Ratio Lower Upper

41 100

39 49.9 52.2 78.4

67 90.2 74.9 112.3

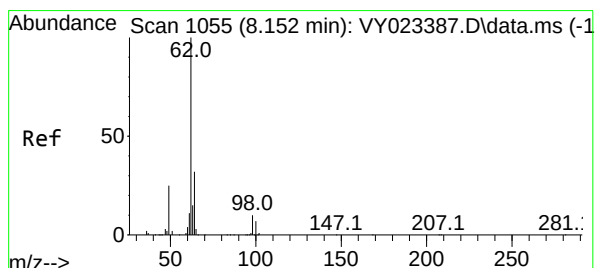
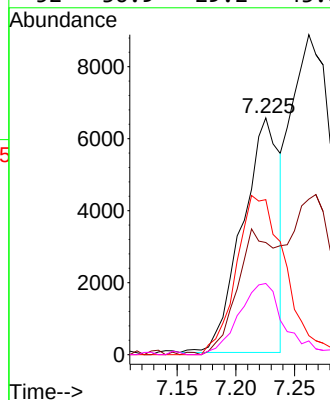
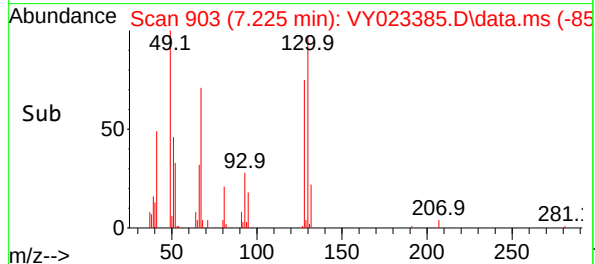
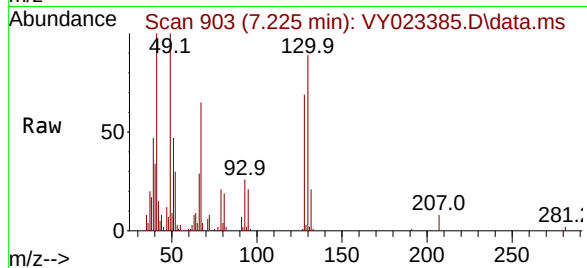
52 36.9 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 10.174 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023385.D

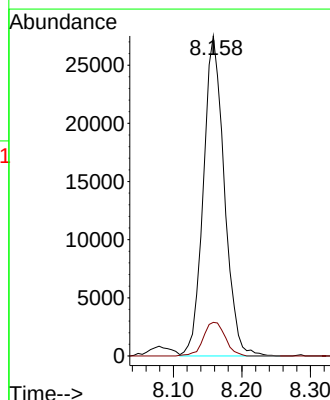
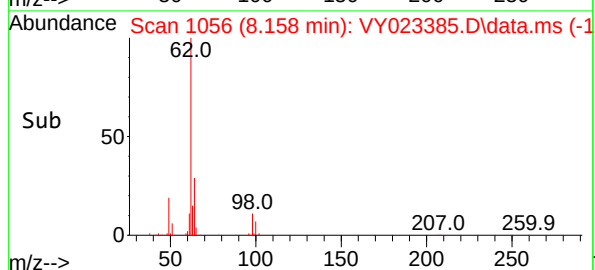
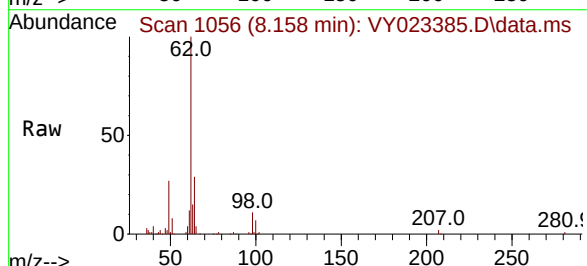
Acq: 07 Oct 2025 10:02

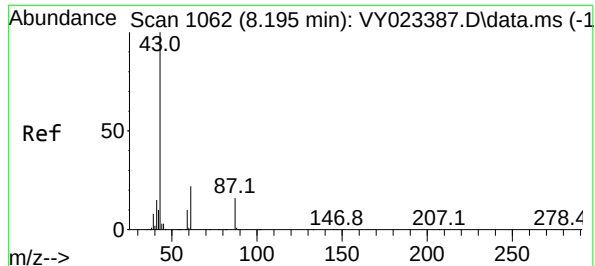
Tgt Ion: 62 Resp: 58541

Ion Ratio Lower Upper

62 100

98 11.0 0.0 21.6





#43

Isopropyl Acetate

Concen: 9.510 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

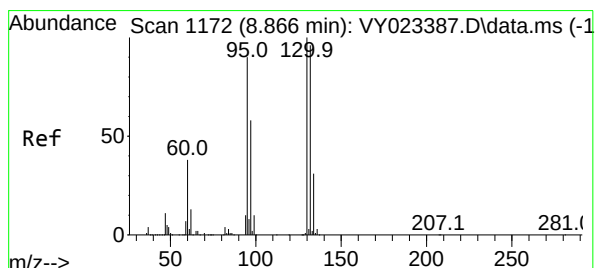
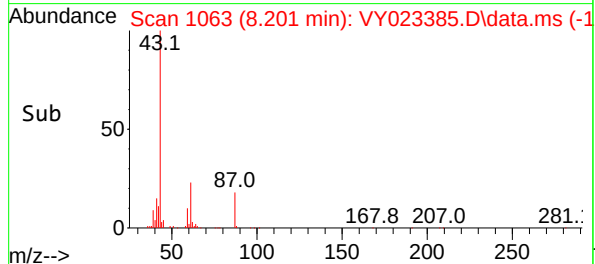
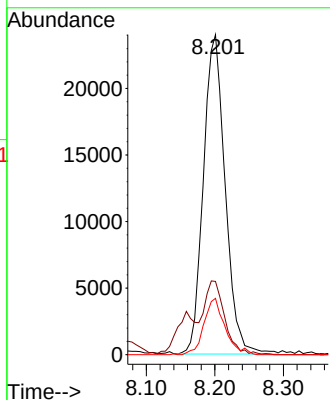
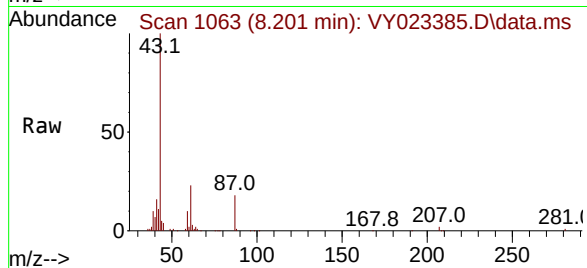
Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 43	Resp: 5304
Ion Ratio	Lower Upper
43	100
61	21.4 18.1 27.1
87	17.0 13.5 20.3

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

#44

Trichloroethene

Concen: 10.171 ug/l

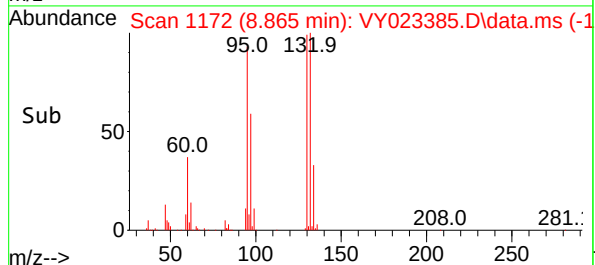
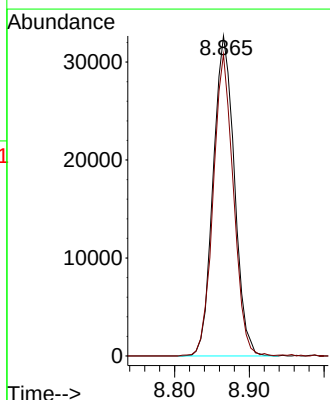
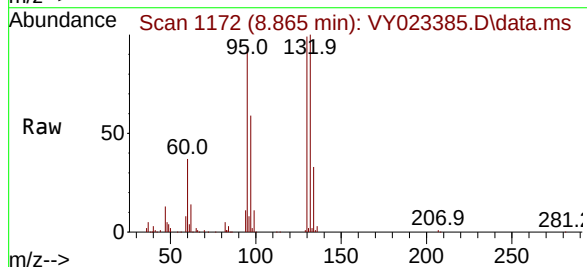
RT: 8.865 min Scan# 1172

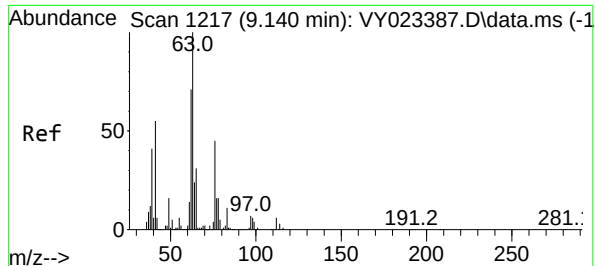
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:130	Resp: 64537
Ion Ratio	Lower Upper
130	100
95	94.2 0.0 180.6





#45

1,2-Dichloropropane

Concen: 9.632 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023385.D

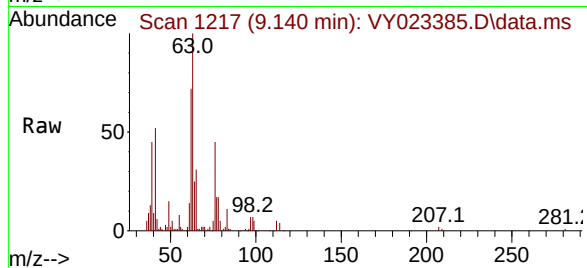
Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010



Tgt Ion: 63 Resp: 49009

Ion Ratio Lower Upper

63 100

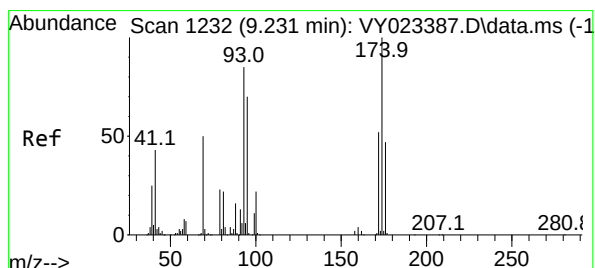
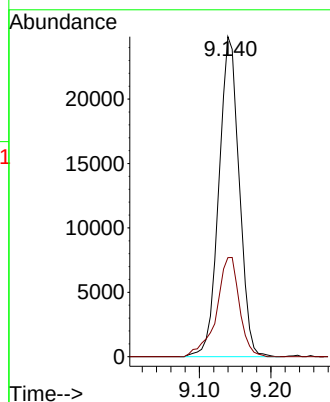
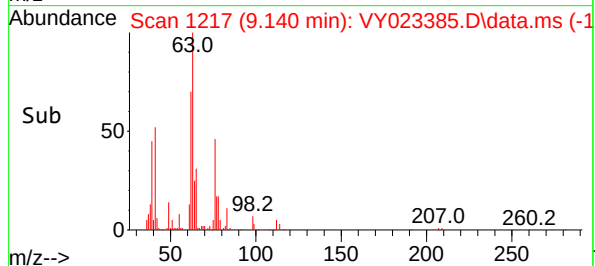
65 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

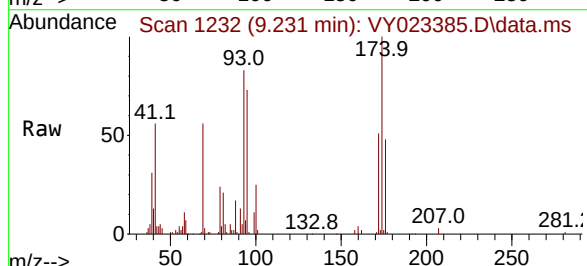
Concen: 9.890 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02



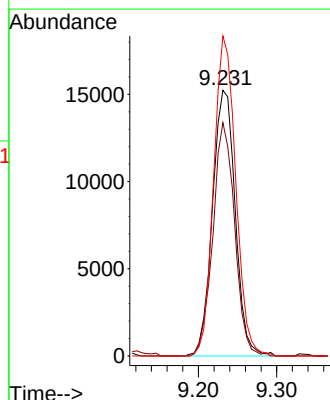
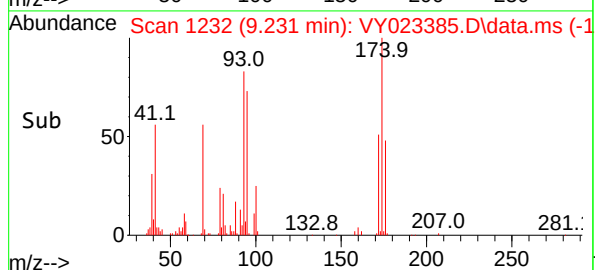
Tgt Ion: 93 Resp: 30780

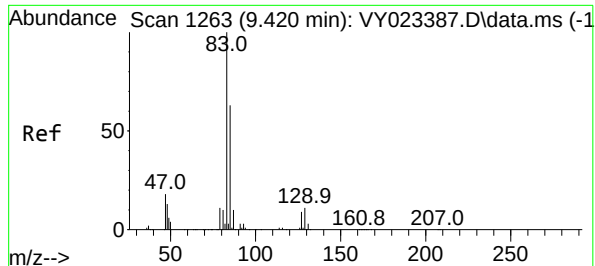
Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.0

174 116.7 92.9 139.3





#47

Bromodichloromethane

Concen: 10.007 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

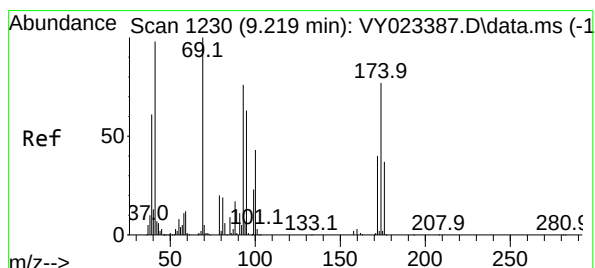
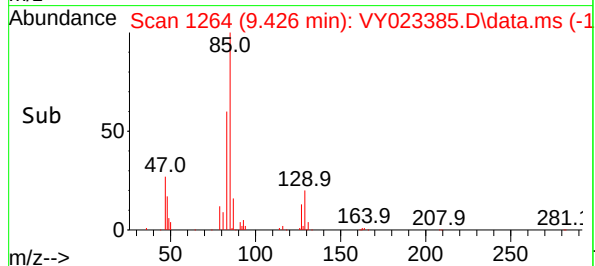
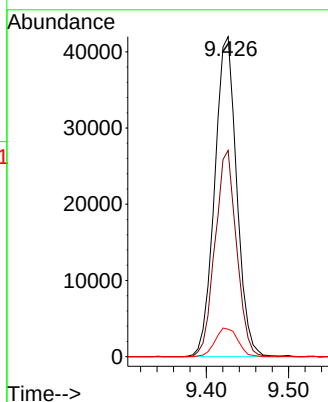
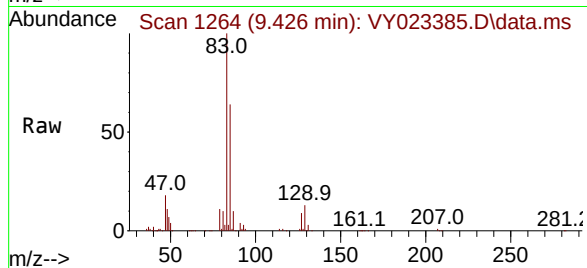
VSTDIC010

Tgt Ion:	83	Resp:	7839
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	8.6	7.4	11.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

Concen: 9.023 ug/l

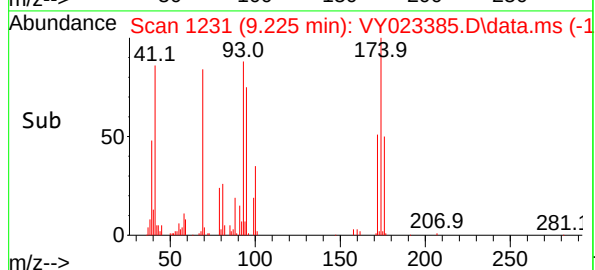
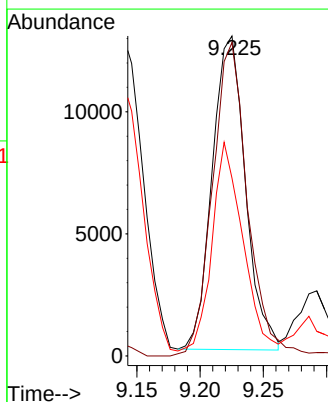
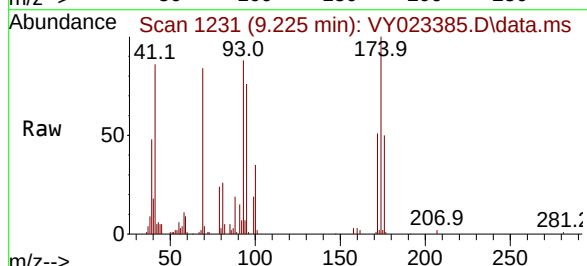
RT: 9.225 min Scan# 1231

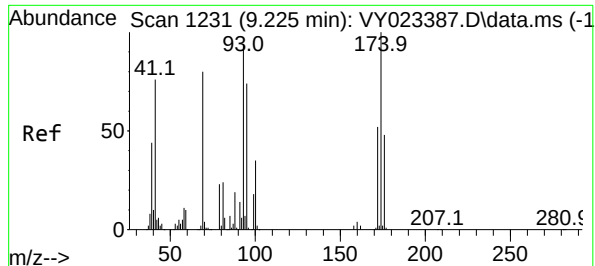
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	41	Resp:	23484
Ion	Ratio	Lower	Upper
41	100		
69	105.8	81.0	121.4
39	61.4	48.2	72.4





#49

1,4-Dioxane

Concen: 211.693 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

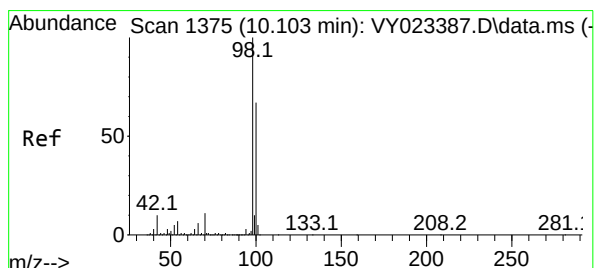
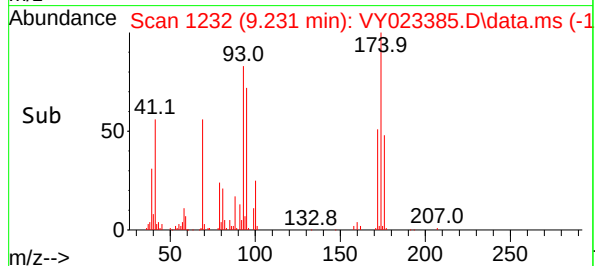
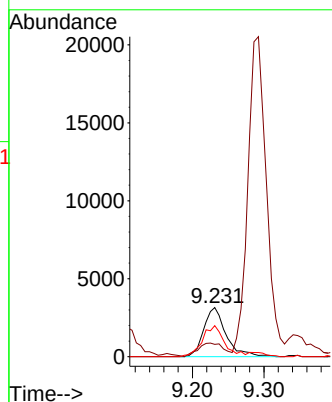
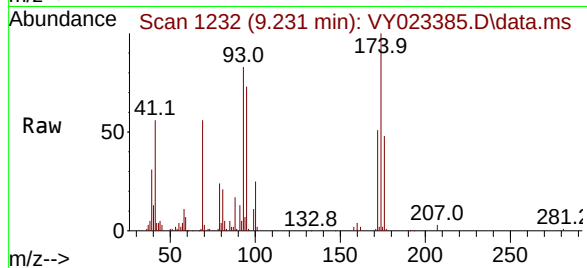
ClientSampleId :

VSTDIC010

Tgt Ion:	88	Resp:	682
Ion	Ratio	Lower	Upper
88	100		
43	32.1	21.8	32.8
58	62.0	46.8	70.2

Manual Integrations
APPROVED

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



#50

Toluene-d8

Concen: 10.225 ug/l

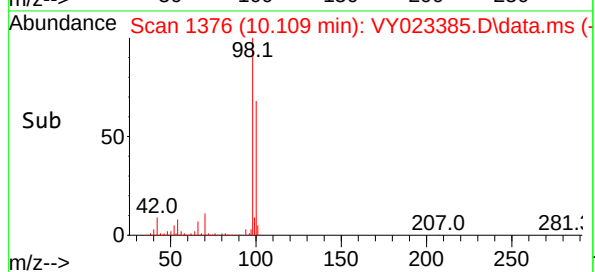
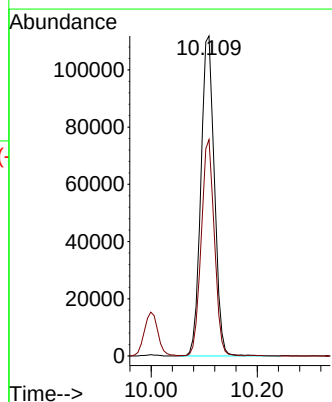
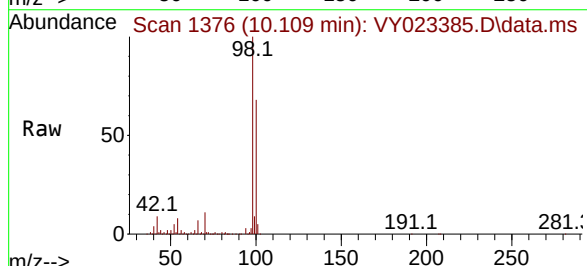
RT: 10.109 min Scan# 1376

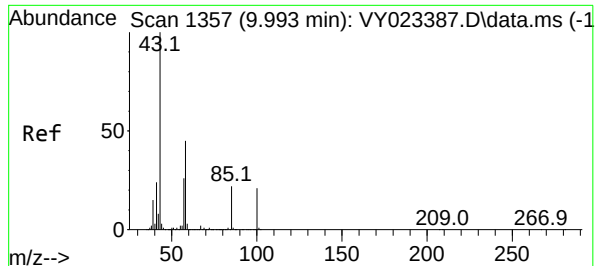
Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	98	Resp:	198242
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4





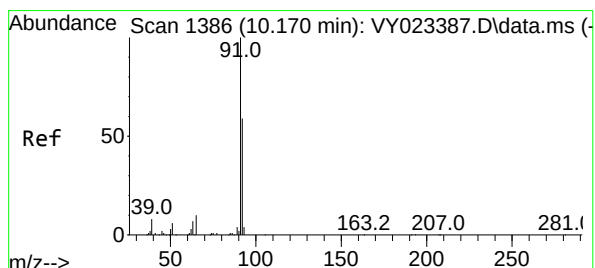
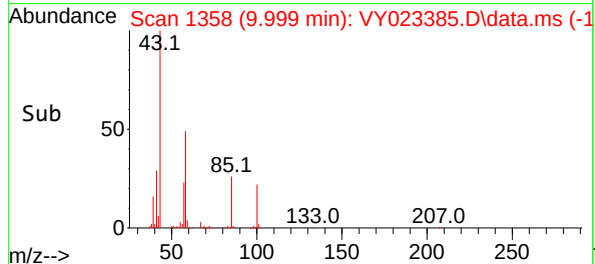
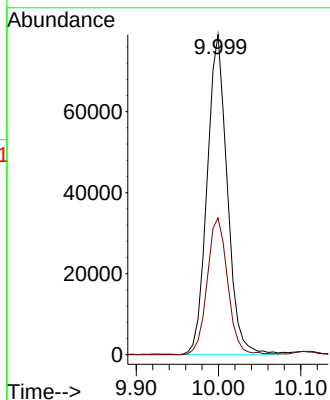
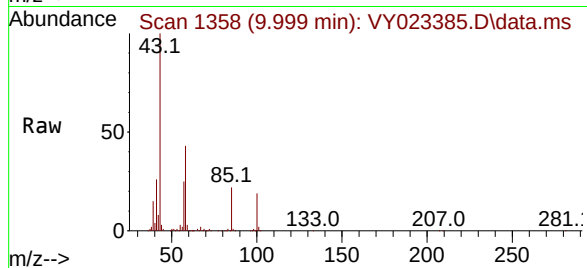
#51
4-Methyl-2-Pentanone
Concen: 47.165 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 134740
Ion Ratio Lower Upper
43 100
58 43.5 35.3 52.9

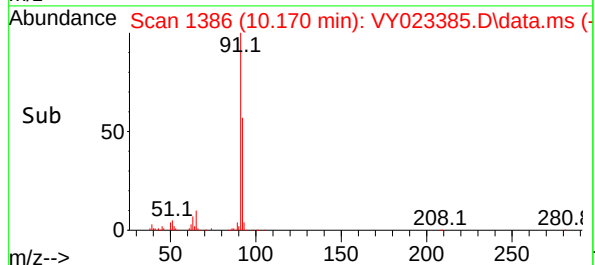
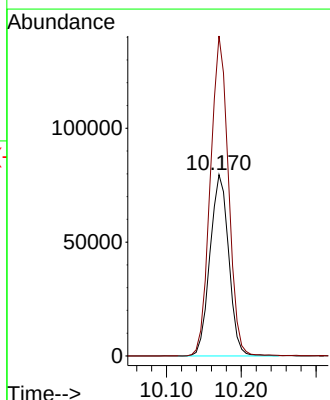
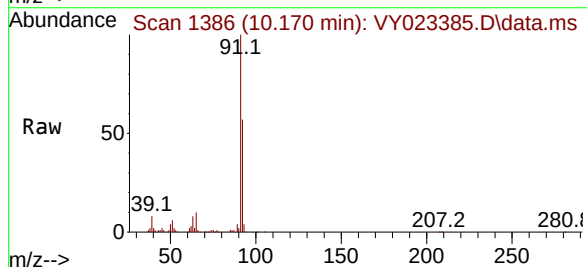
Manual Integrations
APPROVED

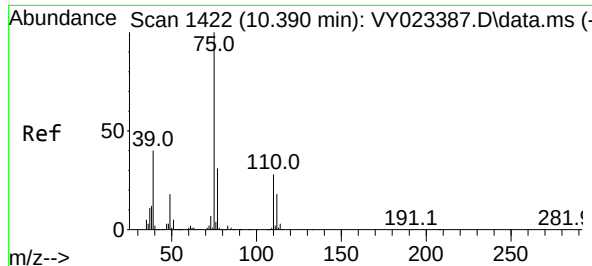
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Toluene
Concen: 9.661 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 92 Resp: 138662
Ion Ratio Lower Upper
92 100
91 170.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 9.559 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 6431

Ion Ratio Lower Upper

75 100

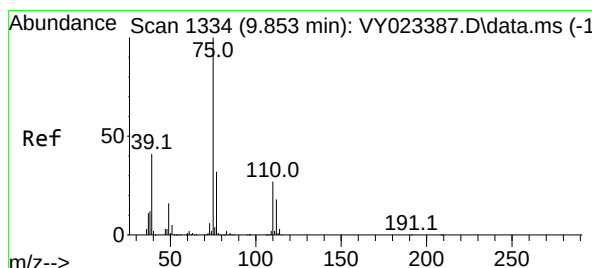
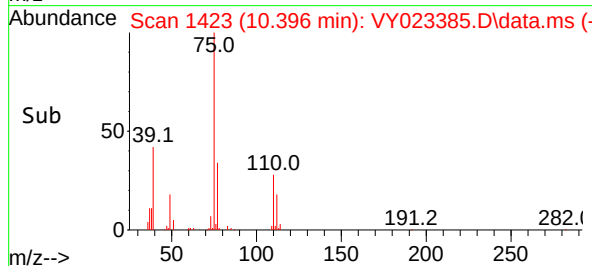
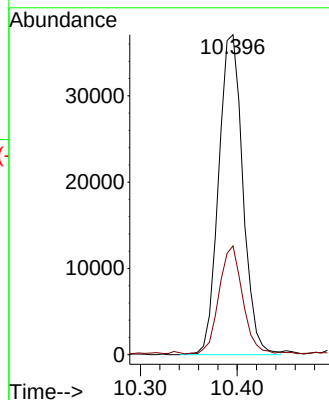
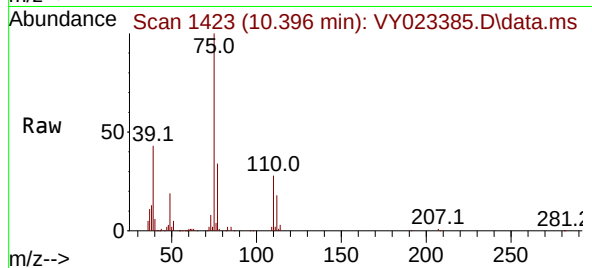
77 33.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#54

cis-1,3-Dichloropropene

Concen: 9.687 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

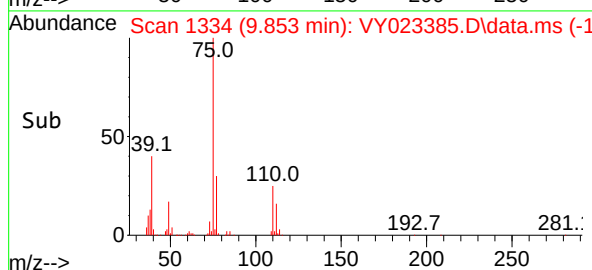
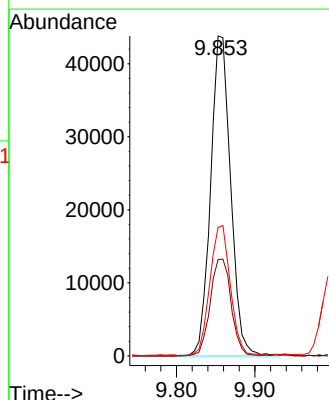
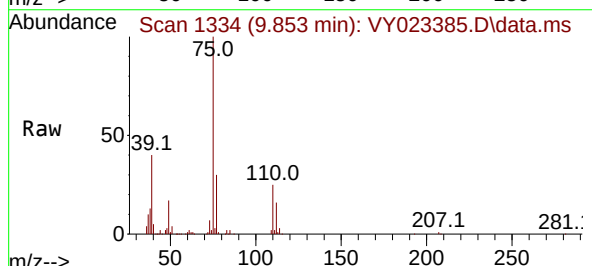
Tgt Ion: 75 Resp: 77905

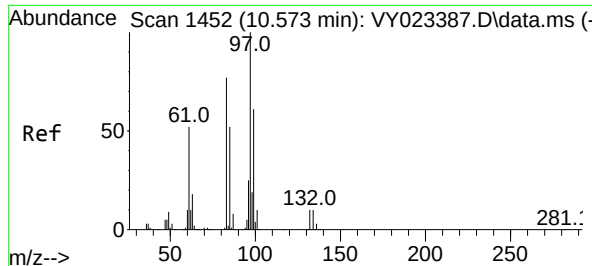
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 40.2 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 10.118 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 97 Resp: 4188

Ion Ratio Lower Upper

97 100

83 90.6 61.8 92.6

85 53.8 41.3 61.9

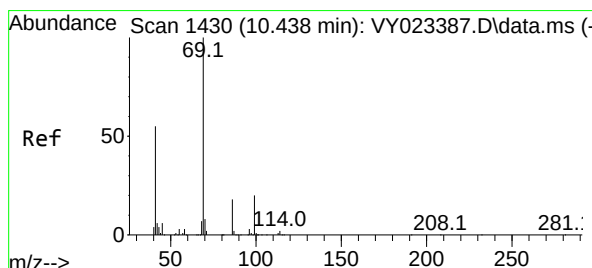
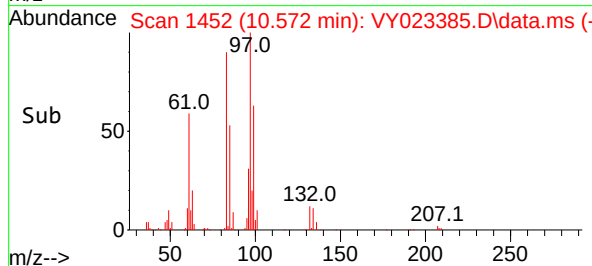
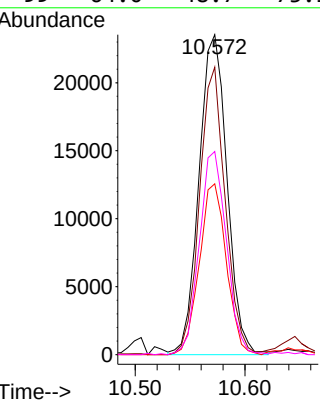
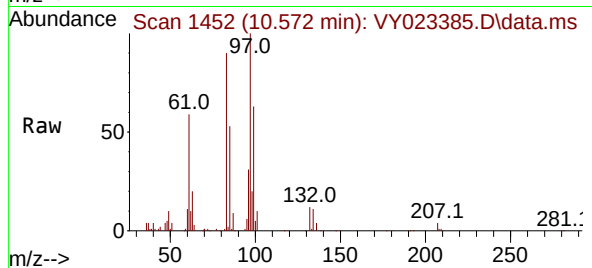
99 64.0 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 8.830 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

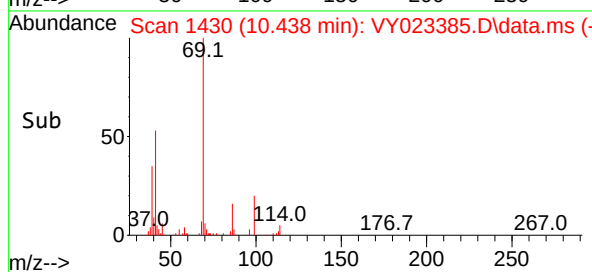
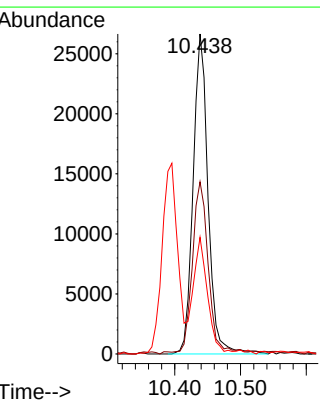
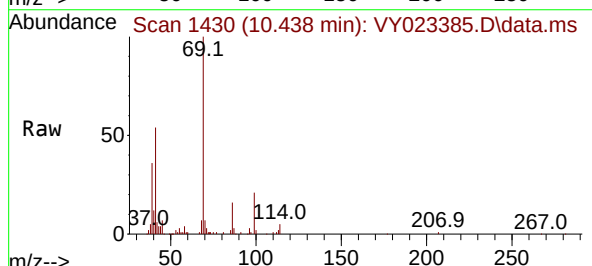
Tgt Ion: 69 Resp: 42096

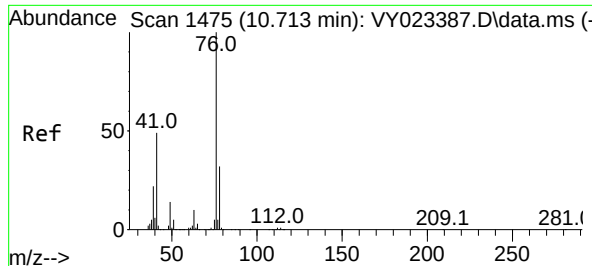
Ion Ratio Lower Upper

69 100

41 58.1 44.6 67.0

39 34.5 27.0 40.4





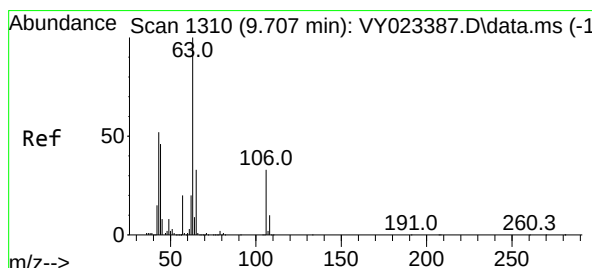
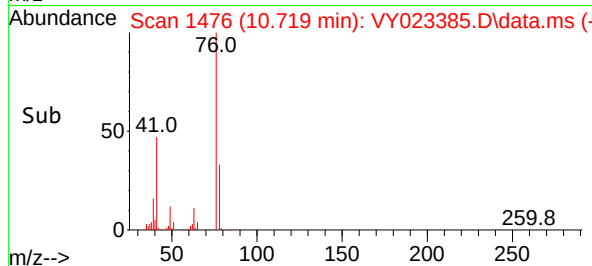
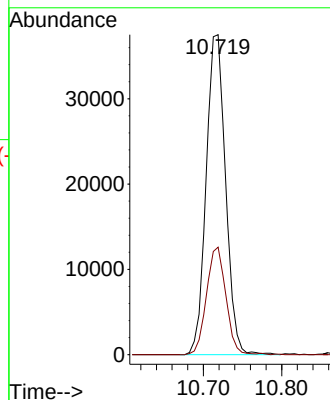
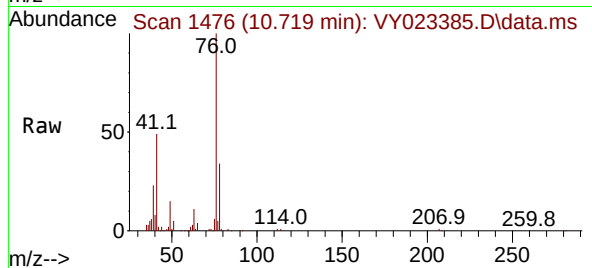
#57
1,3-Dichloropropane
Concen: 9.633 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 6453
Ion Ratio Lower Upper
76 100
78 33.6 25.9 38.9

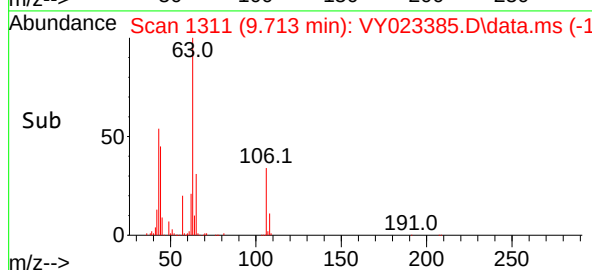
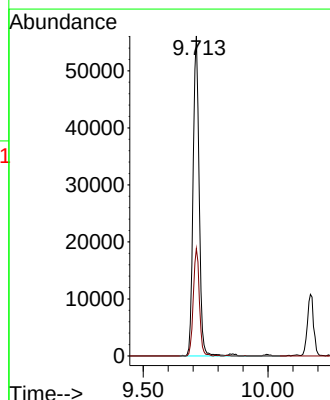
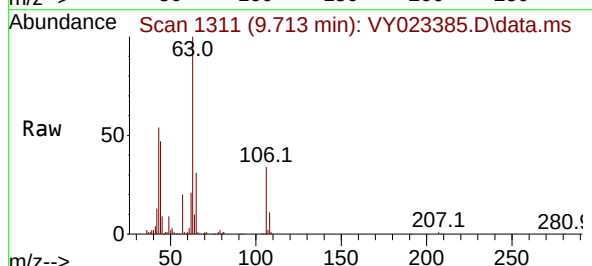
Manual Integrations
APPROVED

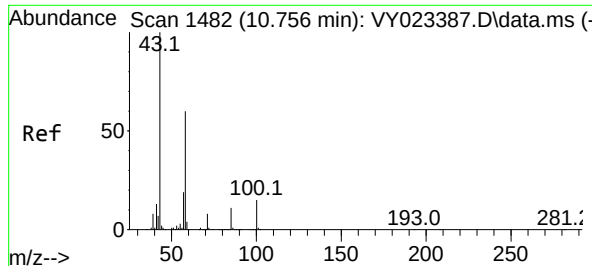
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
2-Chloroethyl Vinyl ether
Concen: 45.535 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

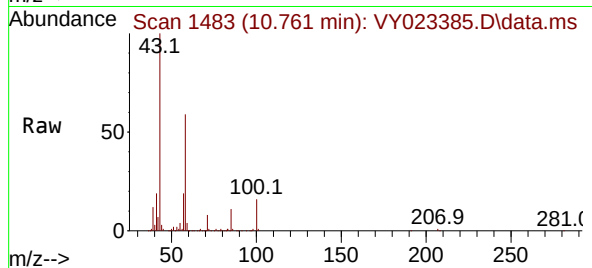
Tgt Ion: 63 Resp: 94970
Ion Ratio Lower Upper
63 100
106 33.4 26.6 39.8





#59
2-Hexanone
Concen: 50.138 ug/l
RT: 10.761 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

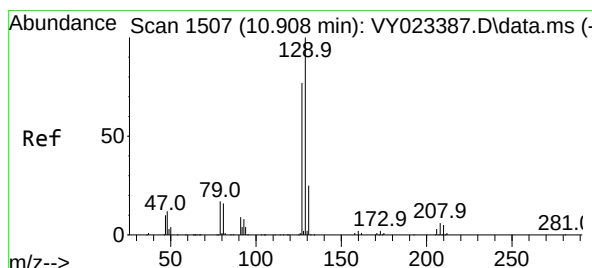
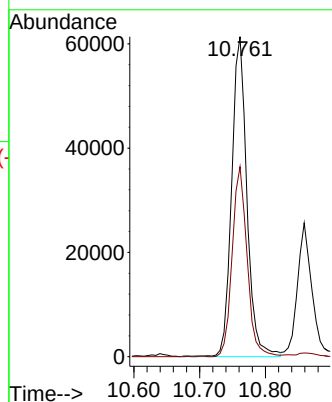
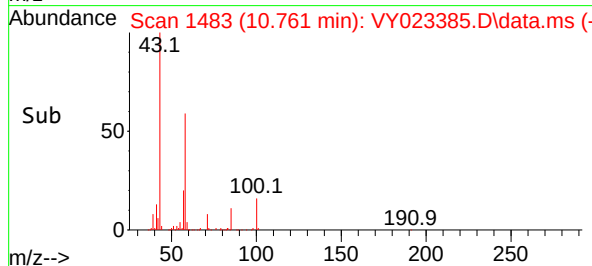
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 9917
Ion Ratio Lower Upper
43 100
58 58.0 30.5 91.5

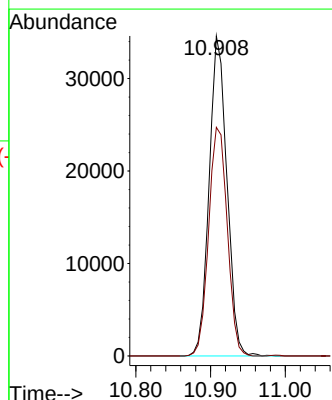
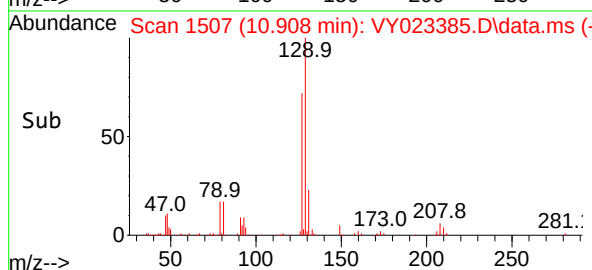
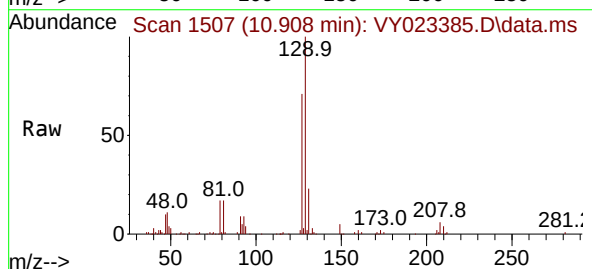
Manual Integrations
APPROVED

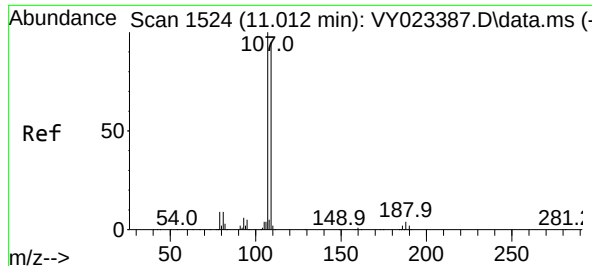
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
Dibromochloromethane
Concen: 10.123 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

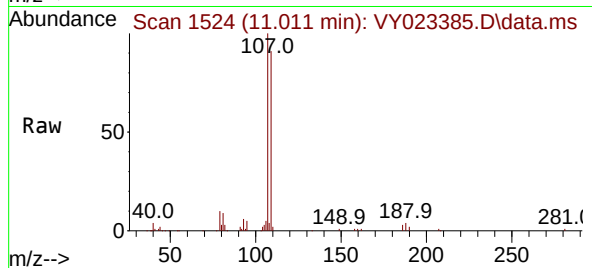
Tgt Ion:129 Resp: 57151
Ion Ratio Lower Upper
129 100
127 74.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 9.979 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

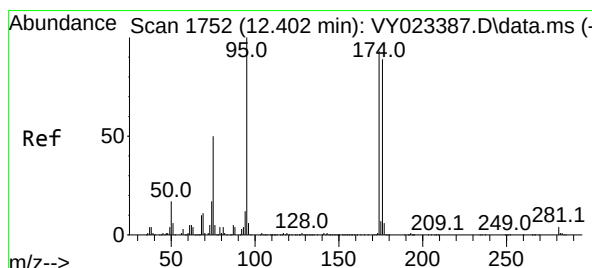
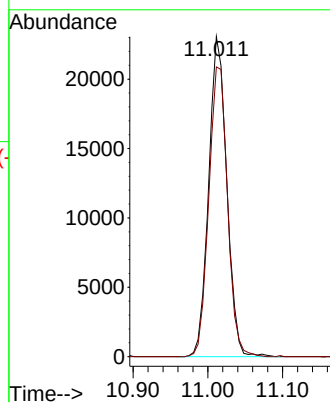
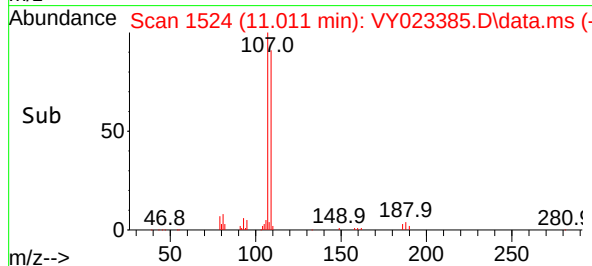
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 107 Resp: 3886
Ion Ratio Lower Upper
107 100
109 93.8 76.1 114.1

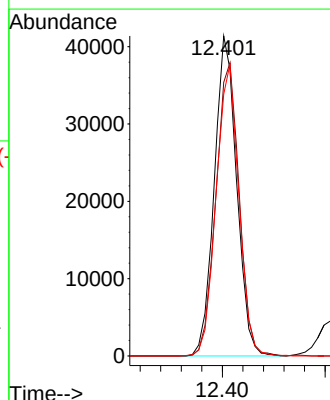
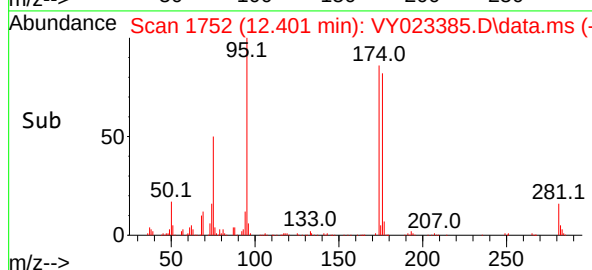
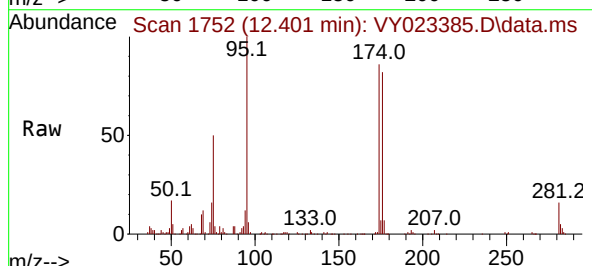
Manual Integrations
APPROVED

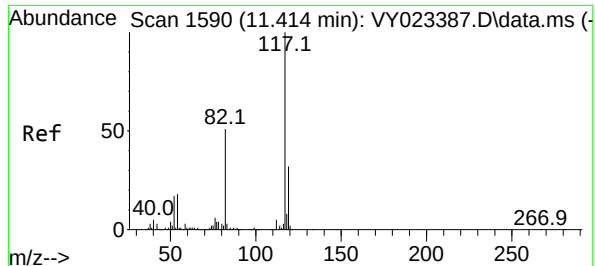
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
4-Bromofluorobenzene
Concen: 10.235 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

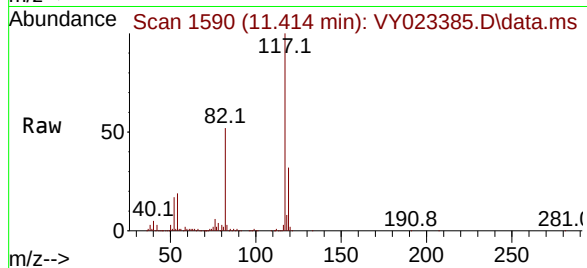
Tgt Ion: 95 Resp: 62601
Ion Ratio Lower Upper
95 100
174 94.6 0.0 192.8
176 92.1 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

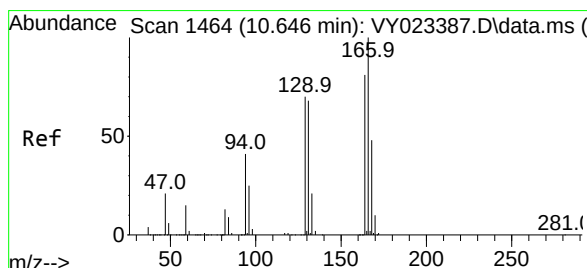
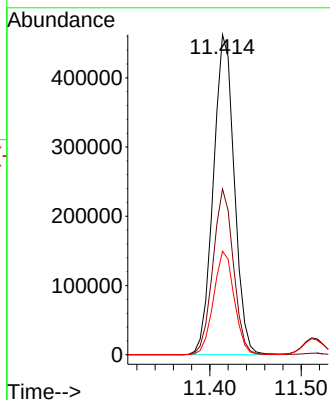
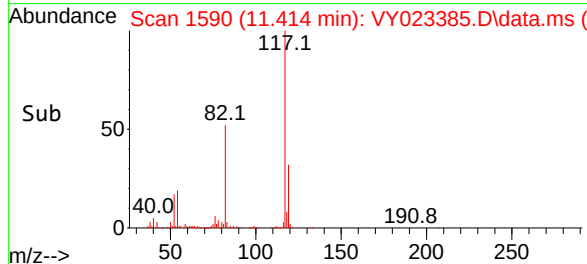
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



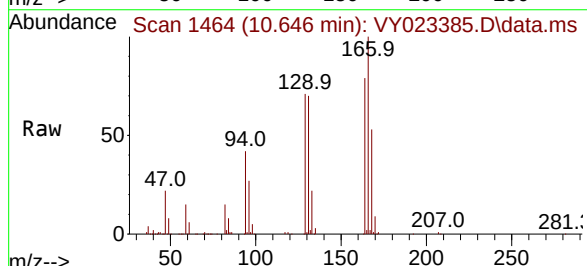
Tgt Ion:117 Resp: 736152
Ion Ratio Lower Upper
117 100
82 51.8 41.0 61.4
119 32.3 25.6 38.4

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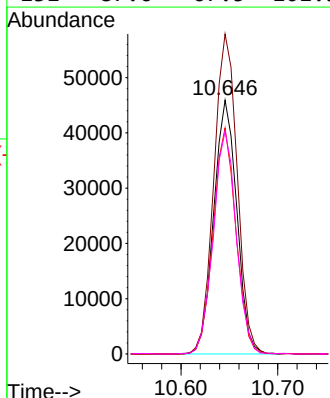
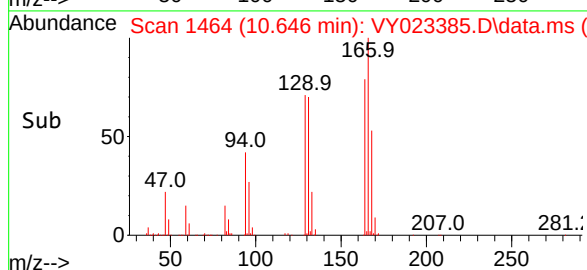
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

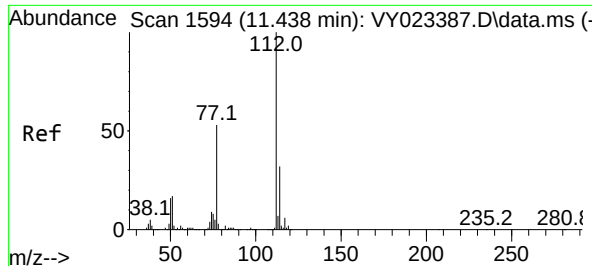


#64
Tetrachloroethene
Concen: 10.335 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02



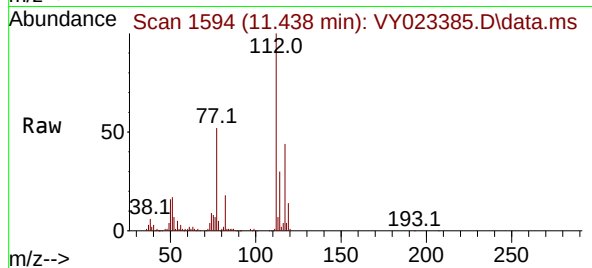
Tgt Ion:164 Resp: 76110
Ion Ratio Lower Upper
164 100
166 126.1 99.4 149.0
129 89.0 69.4 104.2
131 87.6 67.5 101.3





#65
Chlorobenzene
Concen: 10.074 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

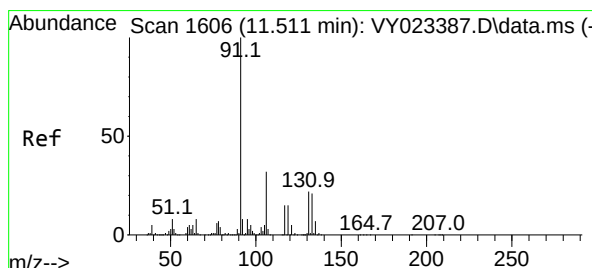
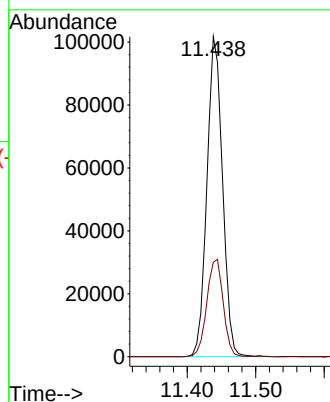
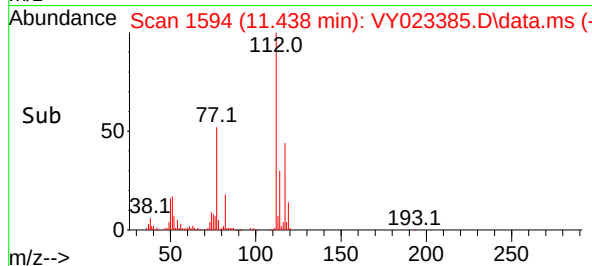
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion:112 Resp: 16115
Ion Ratio Lower Upper
112 100
114 29.5 25.6 38.4

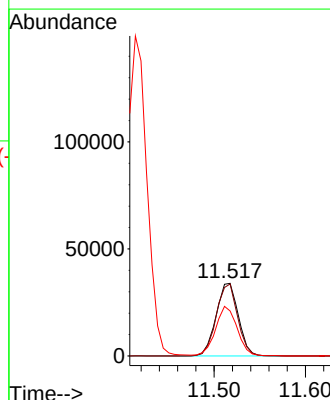
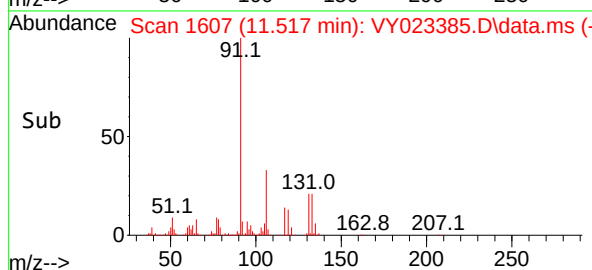
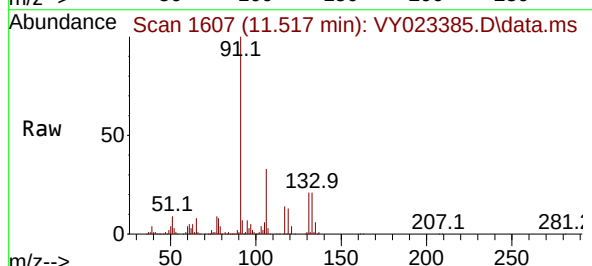
Manual Integrations
APPROVED

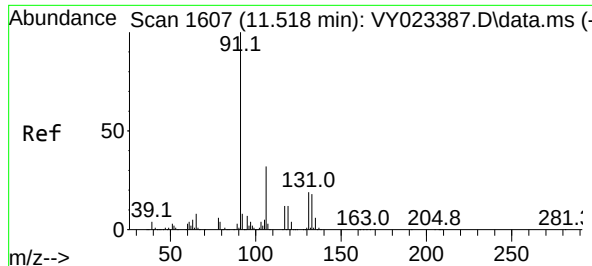
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 10.173 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:131 Resp: 57233
Ion Ratio Lower Upper
131 100
133 95.8 48.4 145.2
119 66.9 32.4 97.2





#67

Ethyl Benzene

Concen: 9.651 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 251958

Ion Ratio Lower Upper

91 100

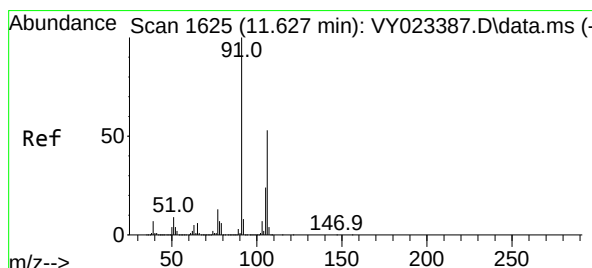
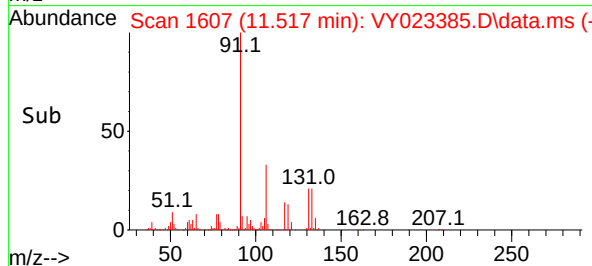
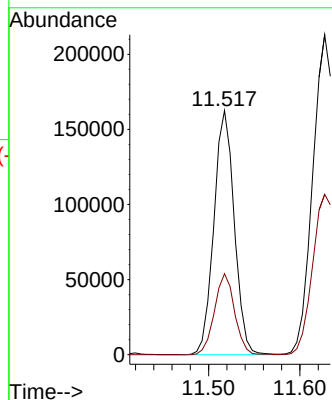
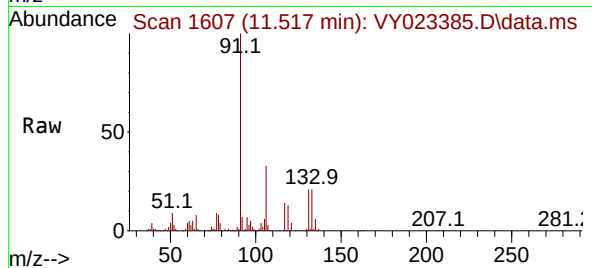
106 33.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 19.004 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023385.D

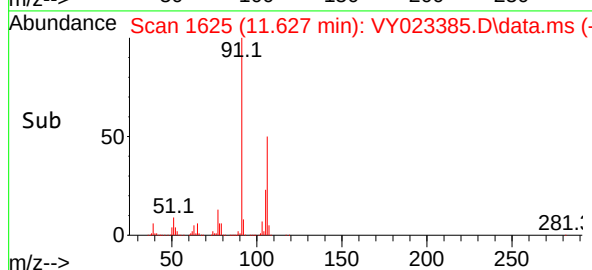
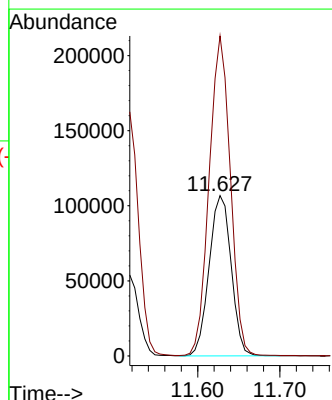
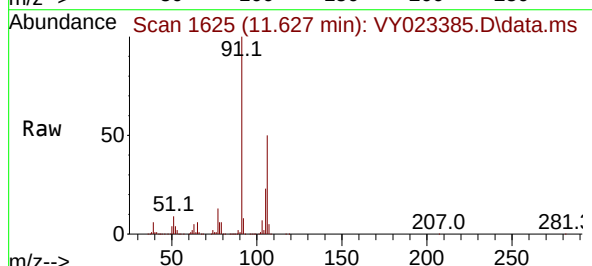
Acq: 07 Oct 2025 10:02

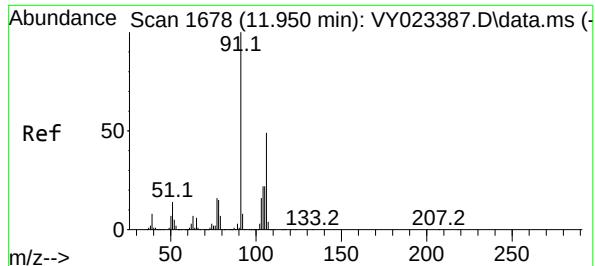
Tgt Ion:106 Resp: 198866

Ion Ratio Lower Upper

106 100

91 192.3 152.6 229.0





#69

o-Xylene

Concen: 9.467 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 91710

Ion Ratio Lower Upper

106 100

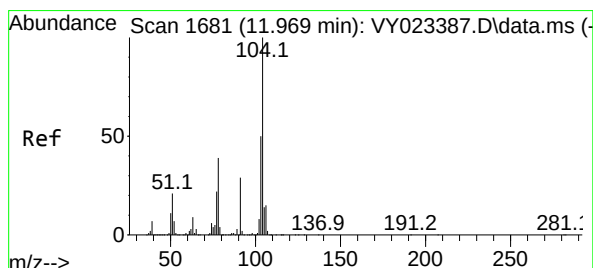
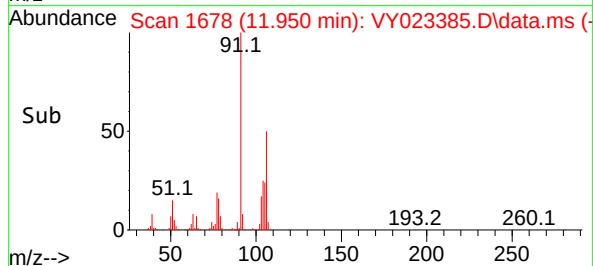
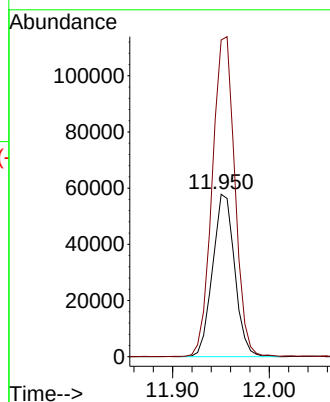
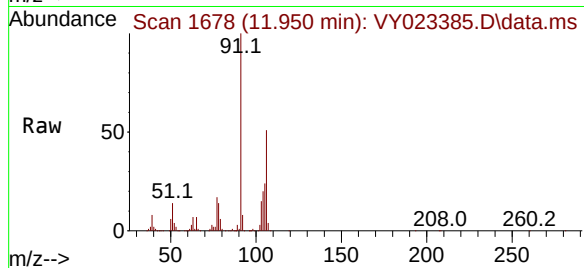
91 202.0 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Styrene

Concen: 9.446 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

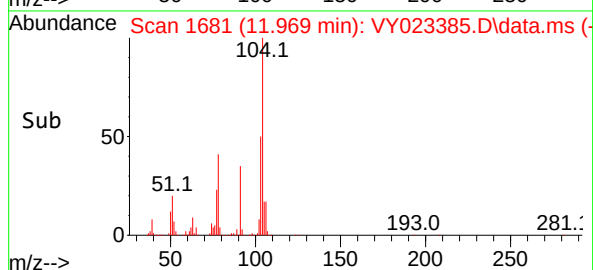
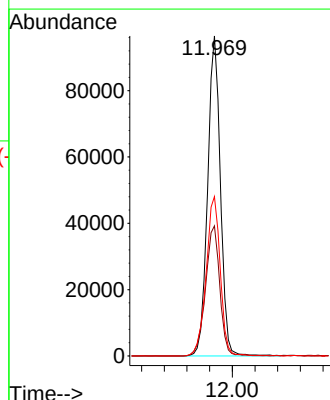
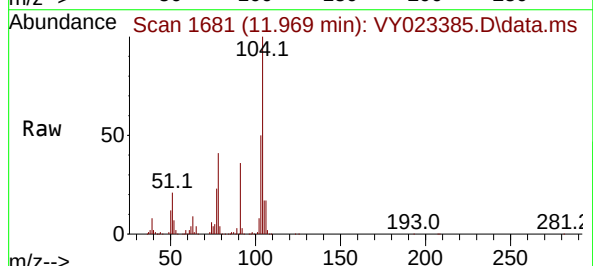
Tgt Ion:104 Resp: 151094

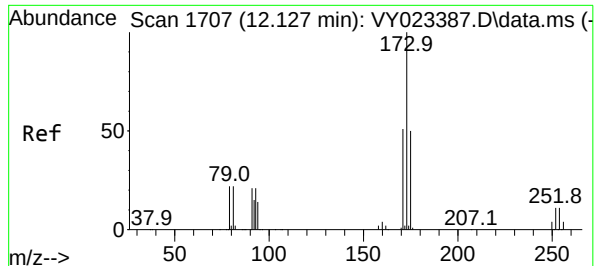
Ion Ratio Lower Upper

104 100

78 45.4 36.1 54.1

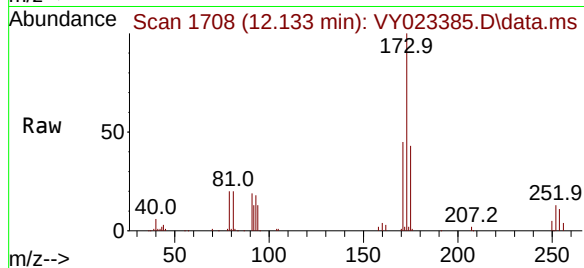
103 55.0 43.2 64.8





#71
Bromoform
Concen: 10.595 ug/l
RT: 12.133 min Scan# 1707
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

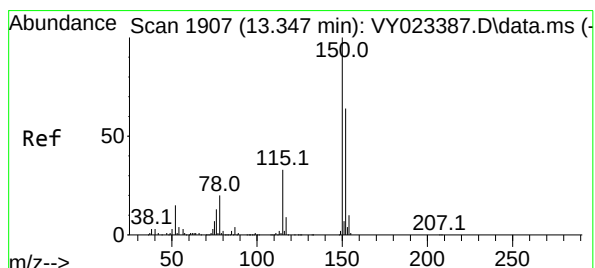
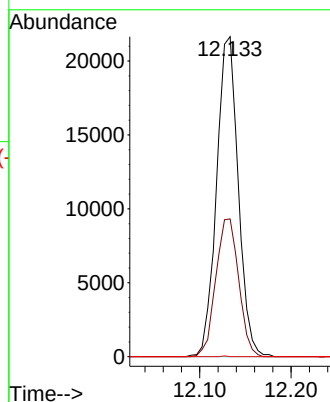
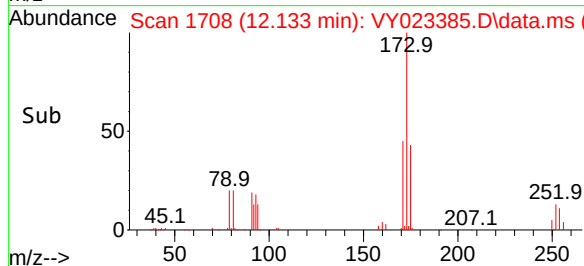
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



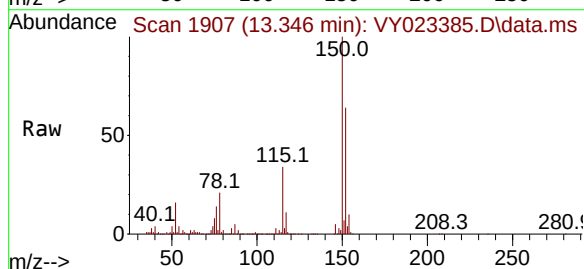
Tgt Ion:173 Resp: 3568
Ion Ratio Lower Upper
173 100
175 45.5 24.8 74.3
254 0.1 0.1 0.1

Manual Integrations
APPROVED

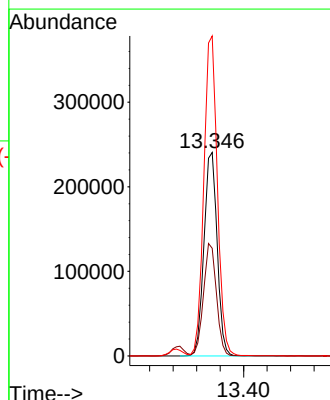
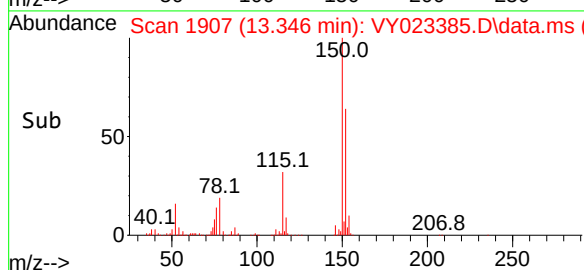
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

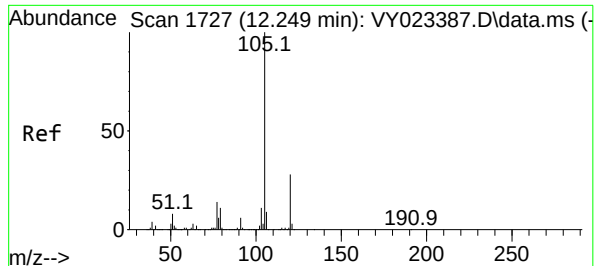


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02



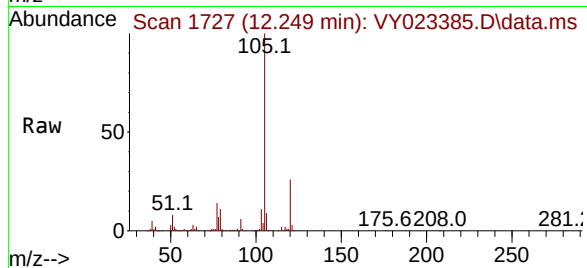
Tgt Ion:152 Resp: 374998
Ion Ratio Lower Upper
152 100
115 54.2 27.1 81.2
150 160.7 0.0 347.4





#73
Isopropylbenzene
Concen: 9.467 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

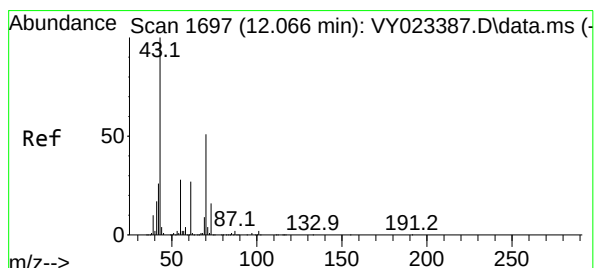
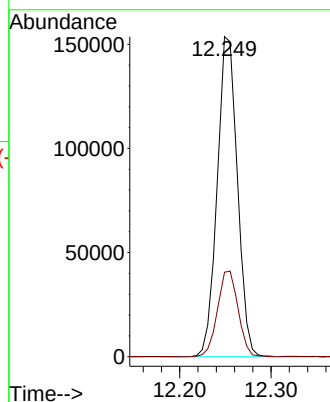
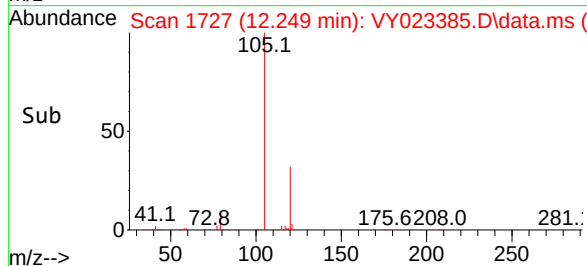
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 236489
Ion Ratio Lower Upper
105 100
120 27.3 13.9 41.7

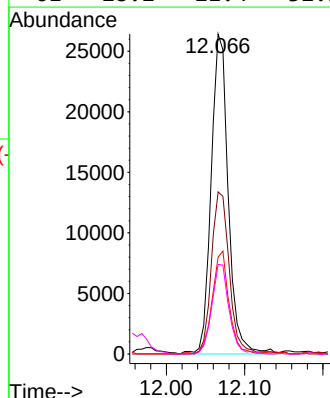
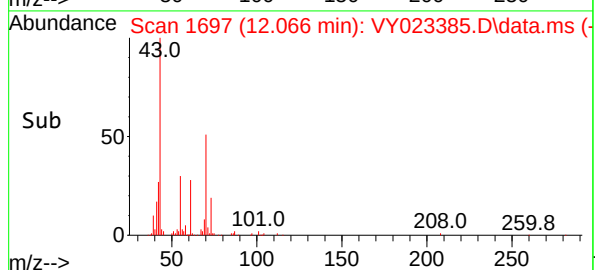
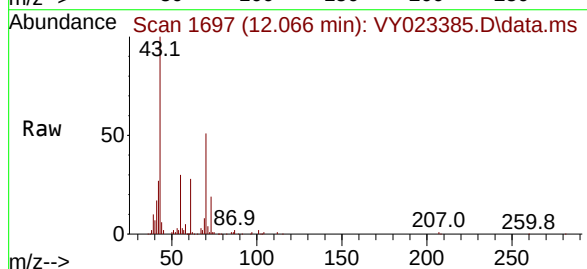
Manual Integrations
APPROVED

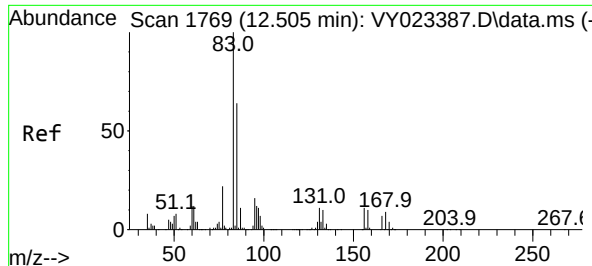
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 8.590 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 40098
Ion Ratio Lower Upper
43 100
70 52.7 41.1 61.7
55 31.6 23.0 34.6
61 28.2 21.4 32.2





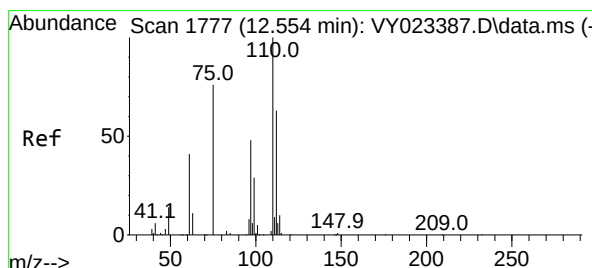
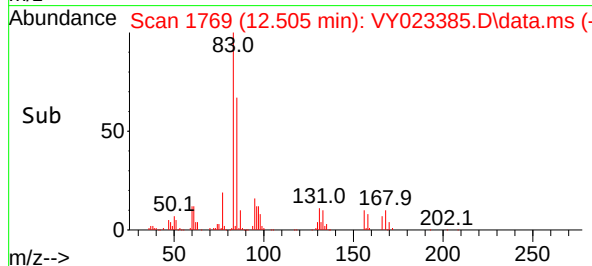
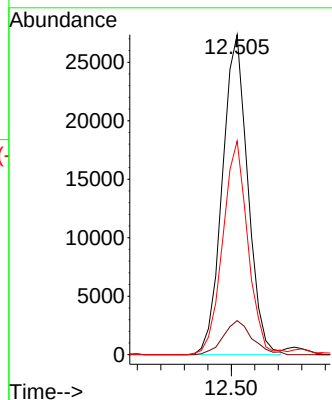
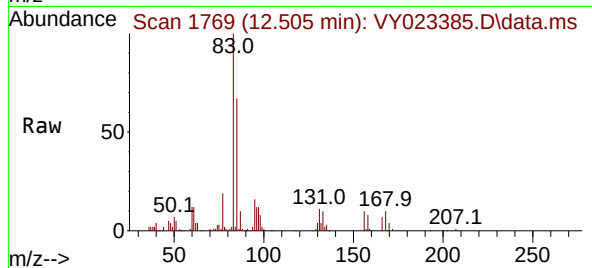
#75
1,1,2,2-Tetrachloroethane
Concen: 9.871 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 41130
Ion Ratio Lower Upper
83 100
131 12.0 5.9 17.6
85 66.1 31.8 95.3

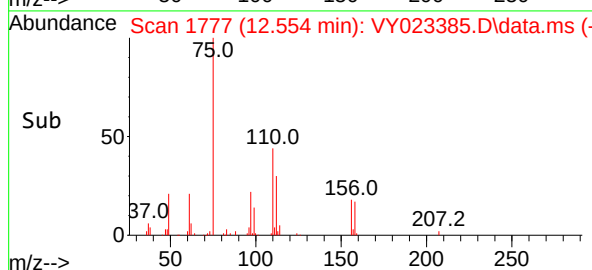
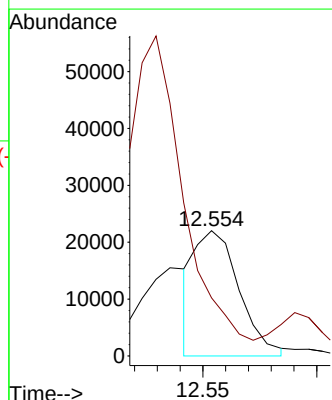
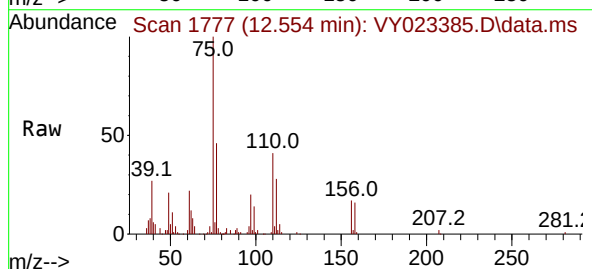
Manual Integrations
APPROVED

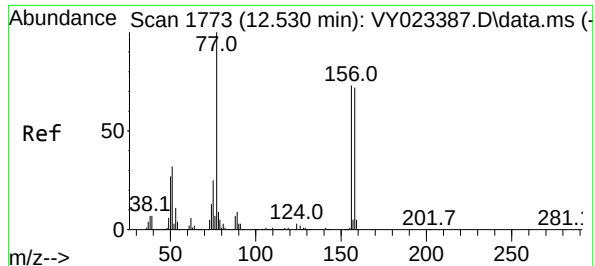
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 8.095 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 29944
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





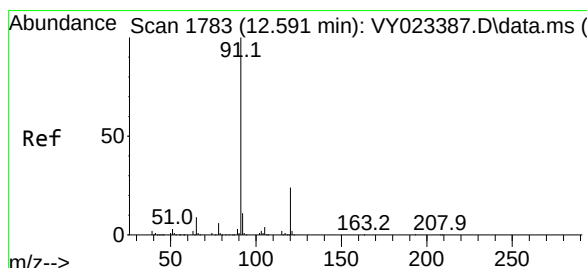
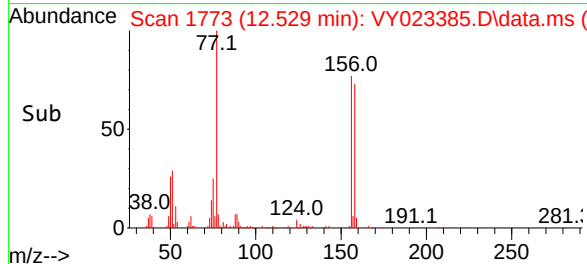
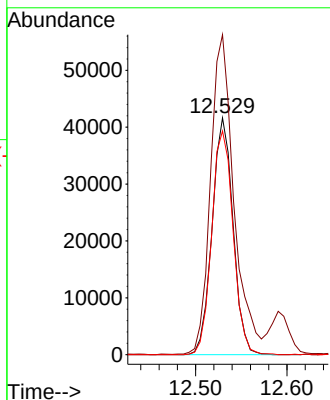
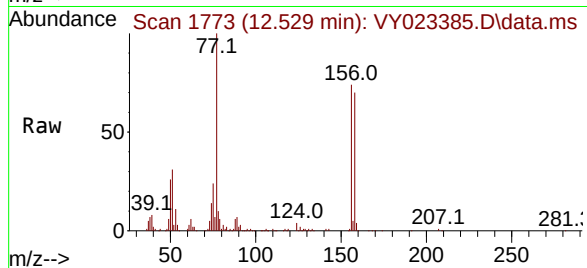
#77
Bromobenzene
Concen: 10.295 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 6600
Ion Ratio Lower Upper
156 100
77 151.8 76.8 230.5
158 97.0 49.0 147.2

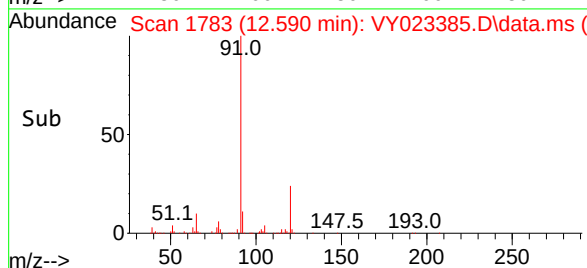
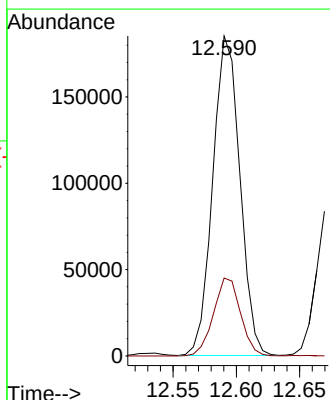
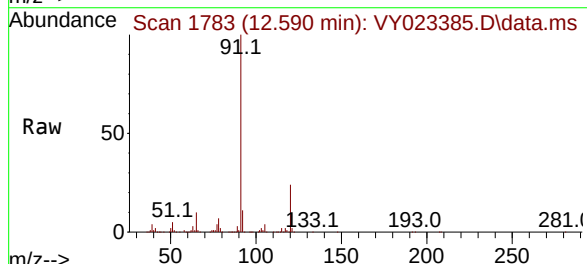
Manual Integrations
APPROVED

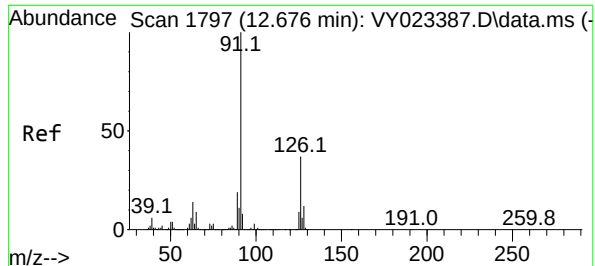
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 9.384 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 275671
Ion Ratio Lower Upper
91 100
120 24.4 12.3 36.8





#79

2-Chlorotoluene

Concen: 9.762 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 16558

Ion Ratio Lower Upper

91 100

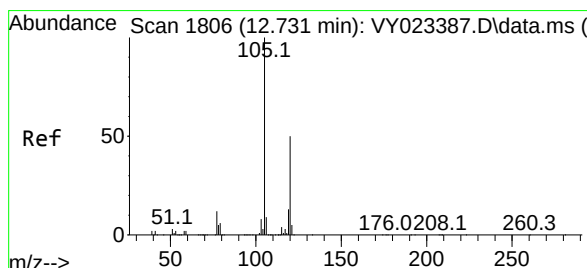
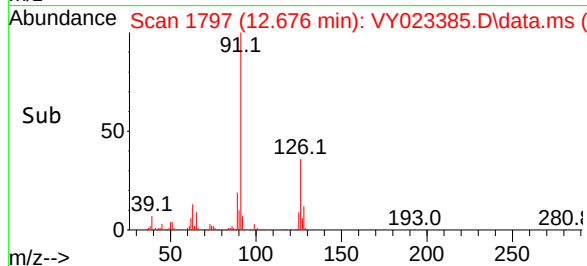
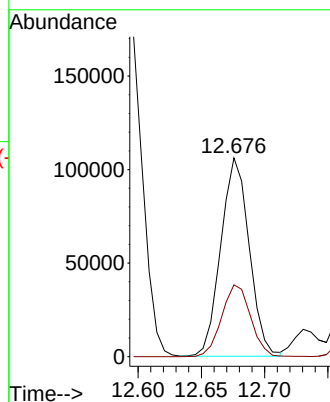
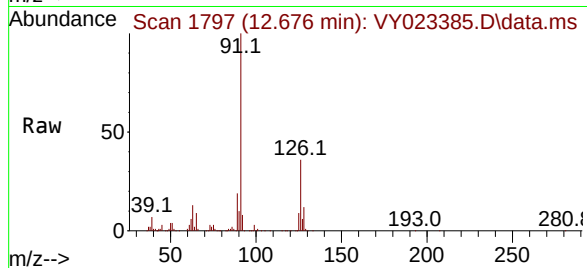
126 36.9 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.445 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VY023385.D

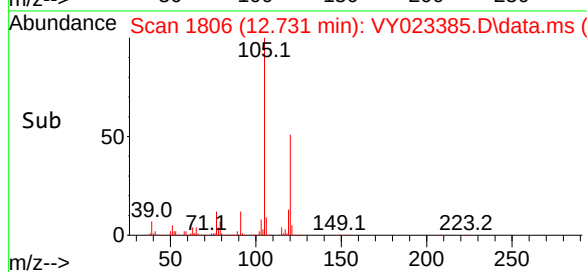
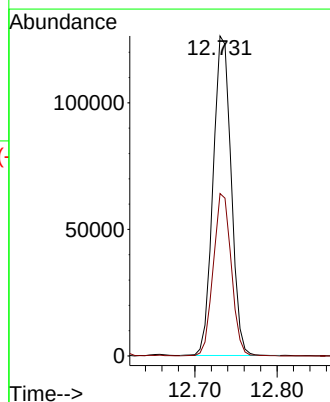
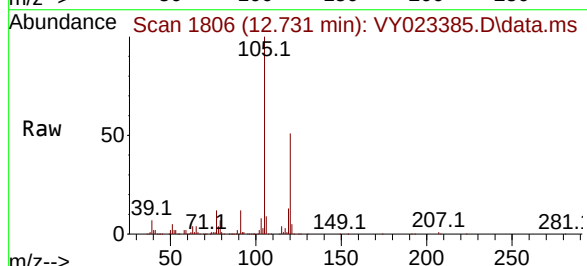
Acq: 07 Oct 2025 10:02

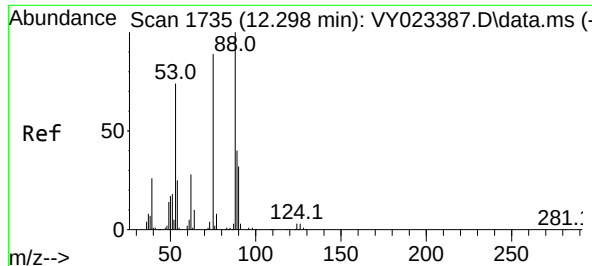
Tgt Ion:105 Resp: 191799

Ion Ratio Lower Upper

105 100

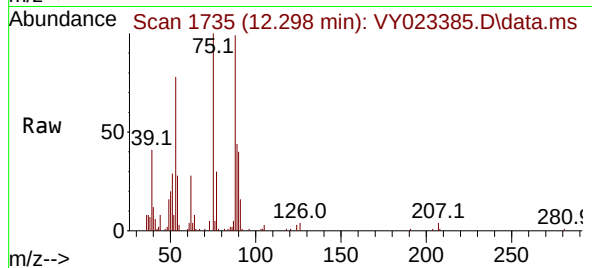
120 50.9 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 9.556 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

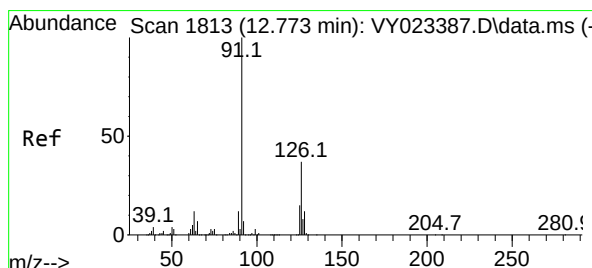
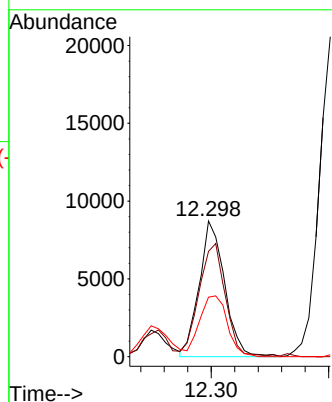
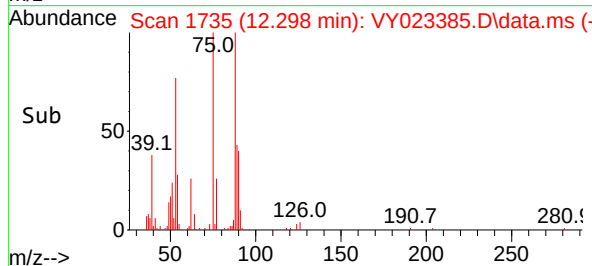
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 13110
Ion Ratio Lower Upper
75 100
53 84.6 68.6 102.8
89 48.5 39.0 58.4

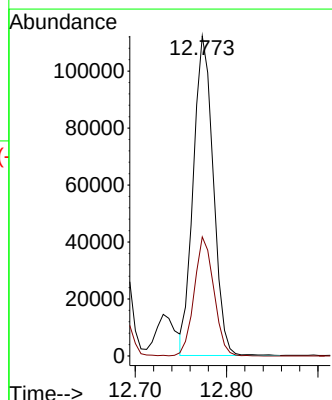
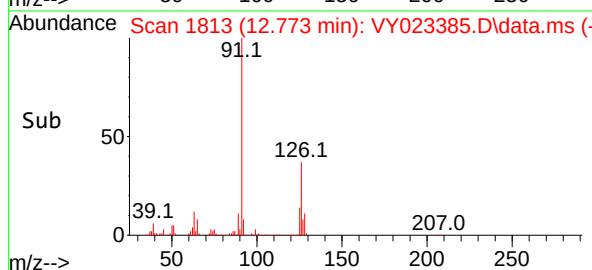
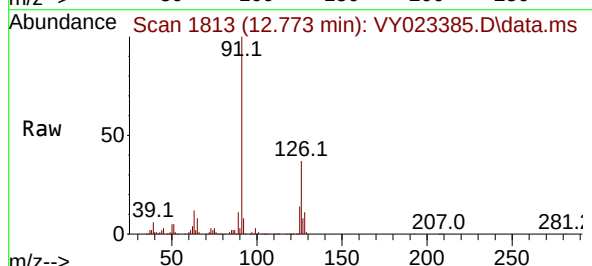
Manual Integrations
APPROVED

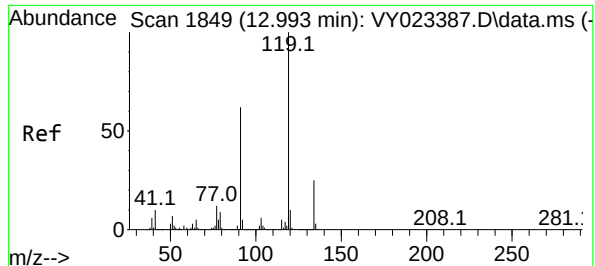
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 9.595 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

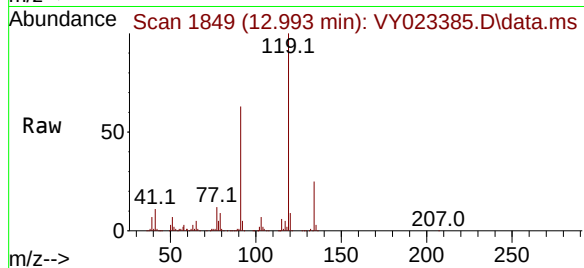
Tgt Ion: 91 Resp: 169968
Ion Ratio Lower Upper
91 100
126 36.8 18.4 55.4





#83
tert-Butylbenzene
Concen: 9.579 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

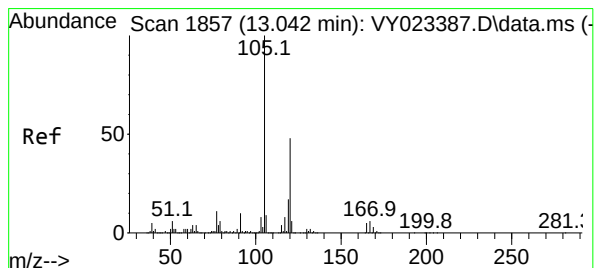
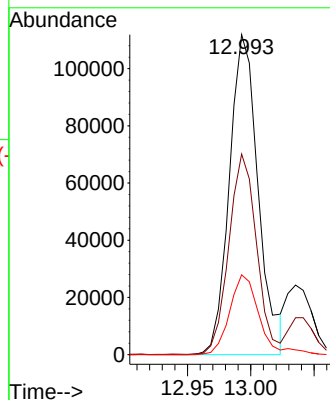
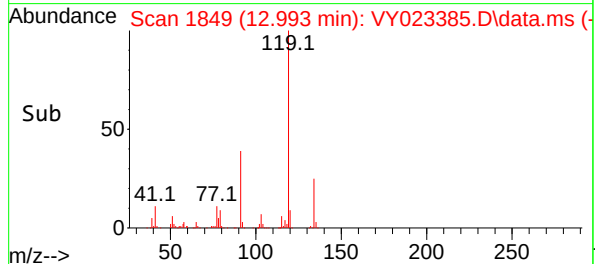
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:119 Resp: 177250
Ion Ratio Lower Upper
119 100
91 60.5 29.9 89.8
134 25.6 12.9 38.7

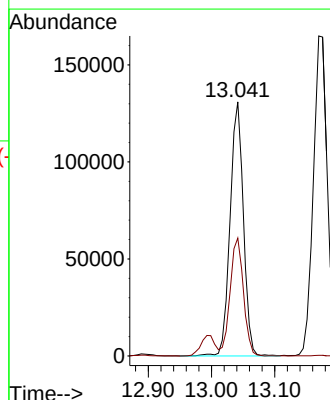
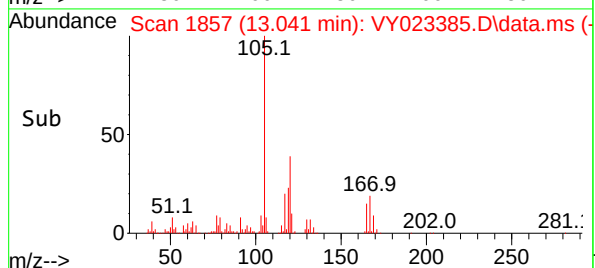
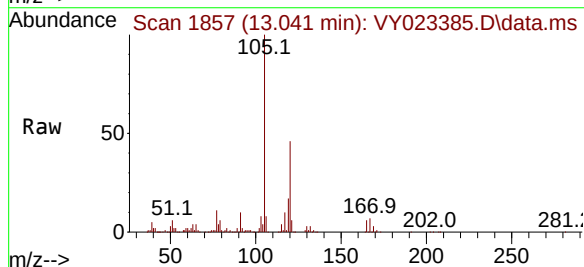
Manual Integrations
APPROVED

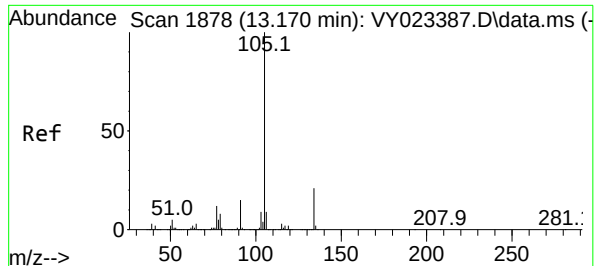
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#84
1,2,4-Trimethylbenzene
Concen: 9.528 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

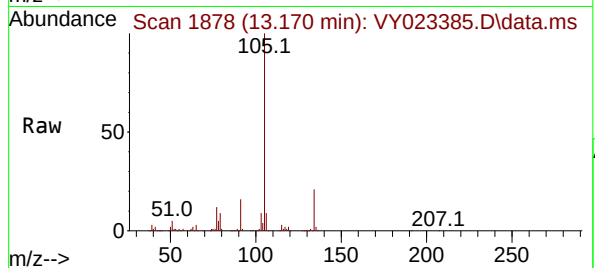
Tgt Ion:105 Resp: 191423
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.2





#85
sec-Butylbenzene
Concen: 9.483 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

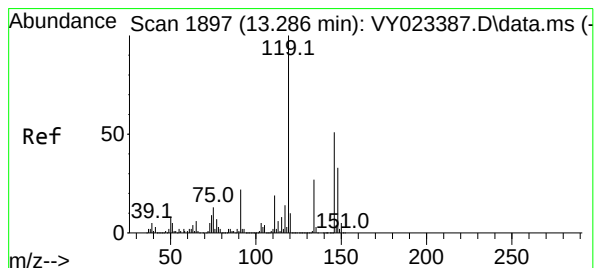
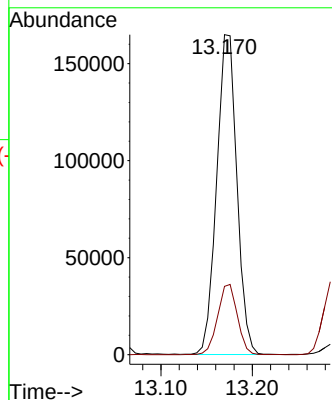
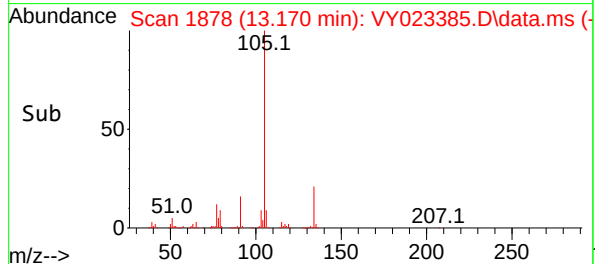
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 254134
Ion Ratio Lower Upper
105 100
134 21.4 10.7 32.1

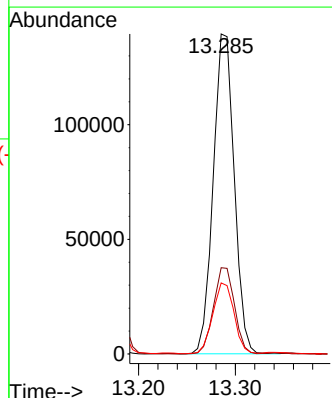
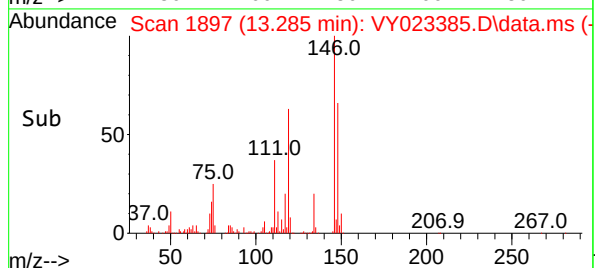
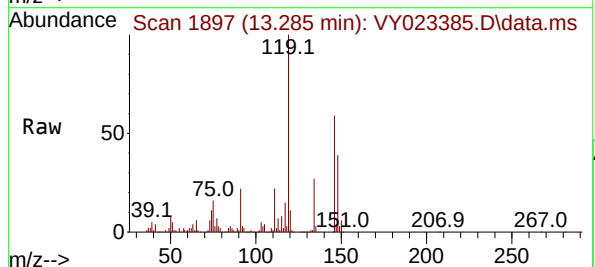
Manual Integrations
APPROVED

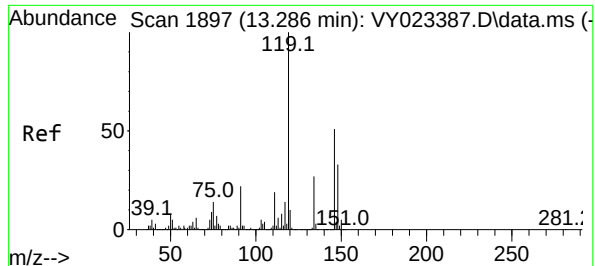
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
p-Isopropyltoluene
Concen: 9.287 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:119 Resp: 210320
Ion Ratio Lower Upper
119 100
134 27.0 13.6 40.7
91 22.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 10.058 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

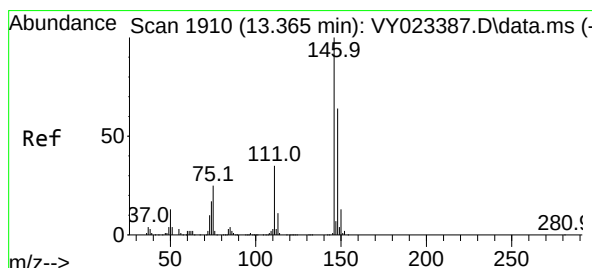
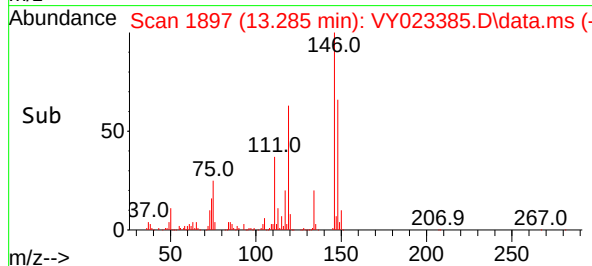
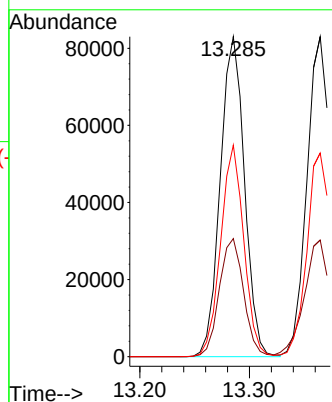
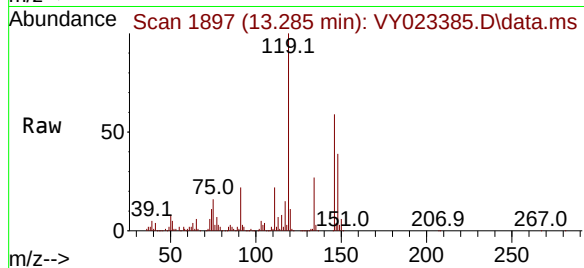
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	12737
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.7	56.1
148	63.2	31.9	95.9

Manual Integrations
APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 10.172 ug/l

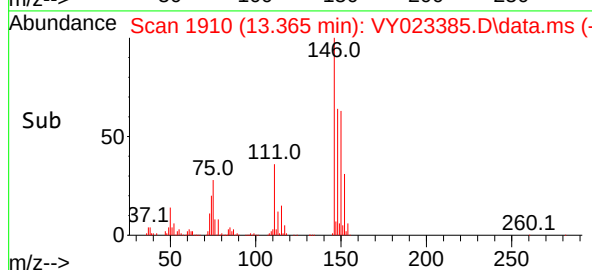
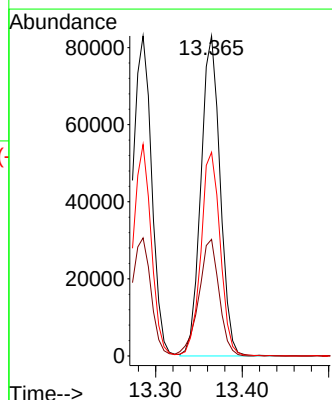
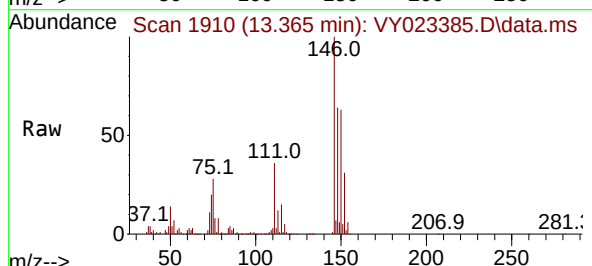
RT: 13.365 min Scan# 1910

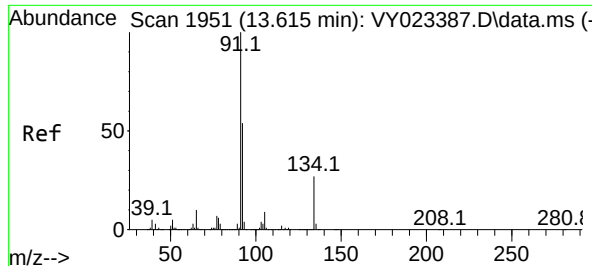
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Tgt Ion:	146	Resp:	127757
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.0	54.0
148	64.2	31.9	95.7





#89

n-Butylbenzene

Concen: 9.107 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

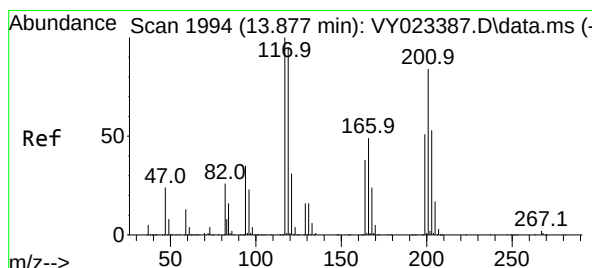
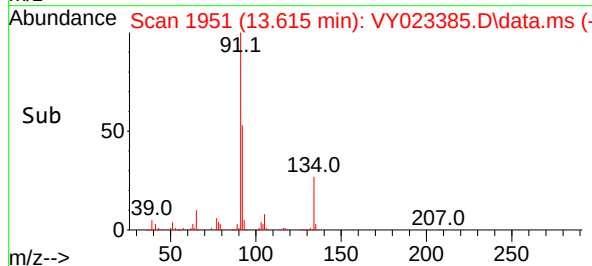
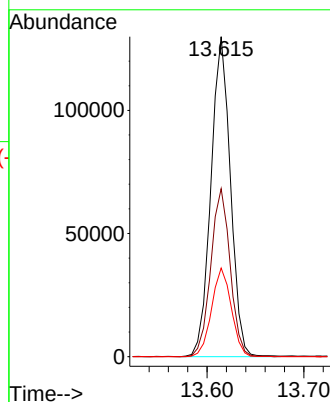
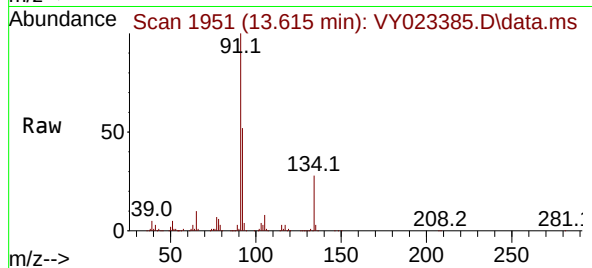
VSTDIC010

Tgt Ion:	91	Resp:	182110
Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.0	80.8
134	28.0	14.1	42.2

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 9.630 ug/l

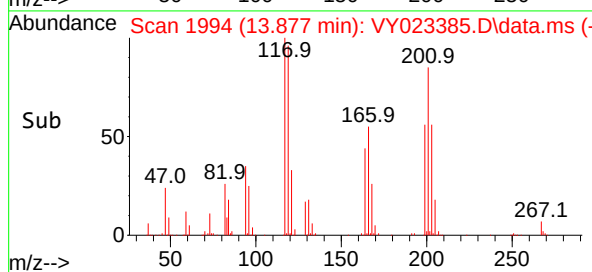
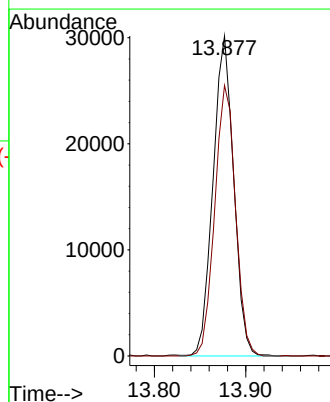
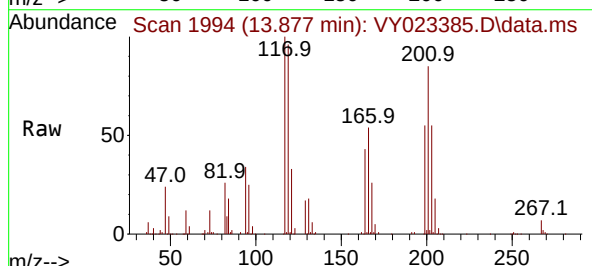
RT: 13.877 min Scan# 1994

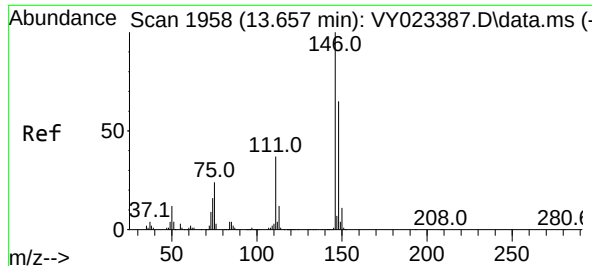
Delta R.T. -0.000 min

Lab File: VY023385.D

Acq: 07 Oct 2025 10:02

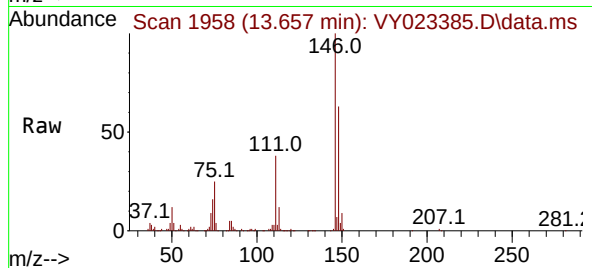
Tgt Ion:	117	Resp:	47355
Ion	Ratio	Lower	Upper
117	100		
201	85.0	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 10.165 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

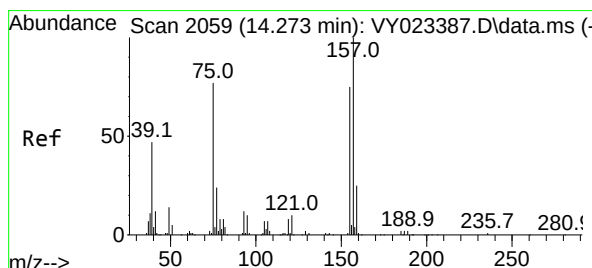
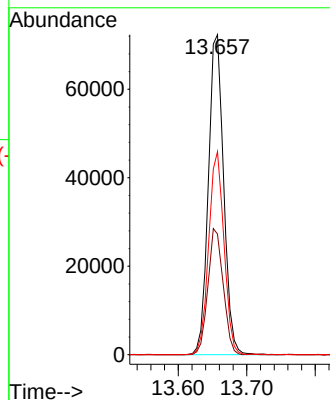
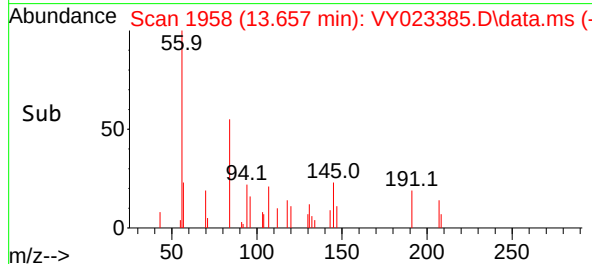
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:146 Resp: 11232
Ion Ratio Lower Upper
146 100
111 39.4 19.0 57.0
148 63.4 32.1 96.3

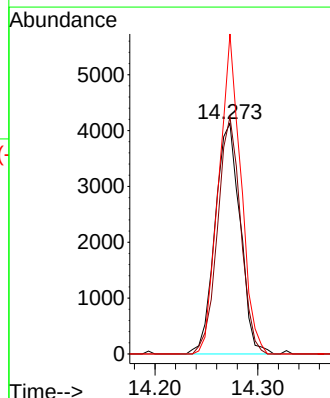
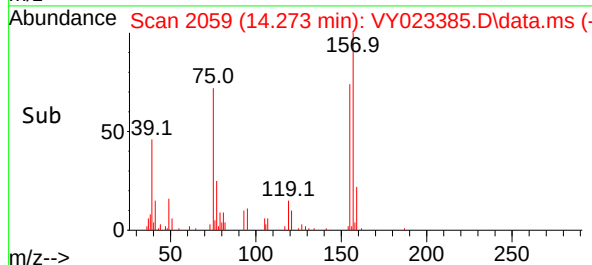
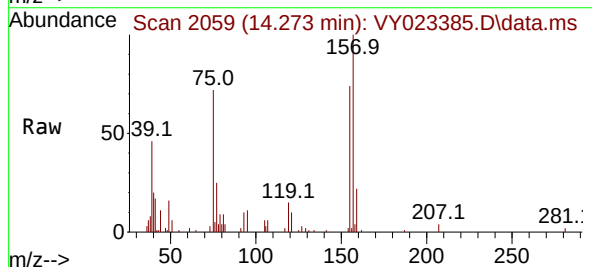
Manual Integrations
APPROVED

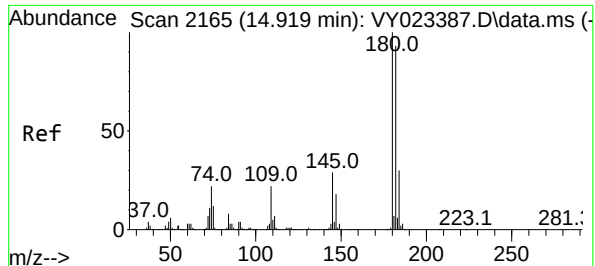
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.608 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 7005
Ion Ratio Lower Upper
75 100
155 94.2 50.0 150.0
157 121.7 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 9.992 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023385.D

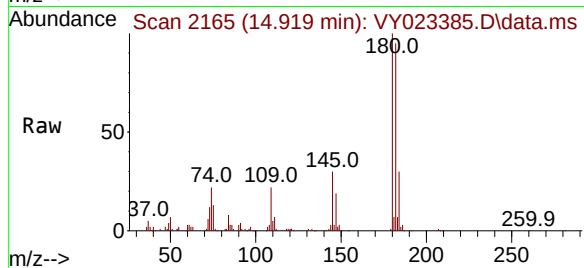
Acq: 07 Oct 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

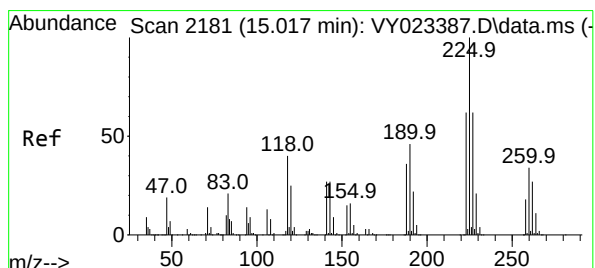
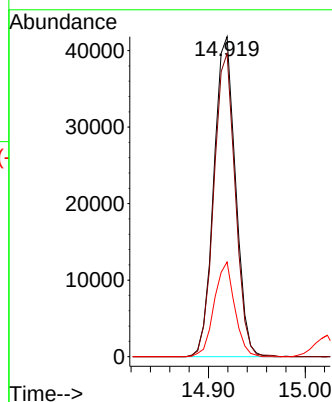
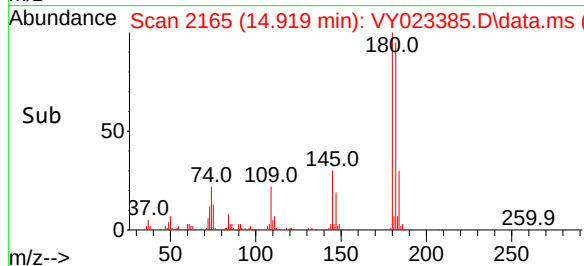


Tgt Ion:	180	Resp:	65050
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.9	143.6
145	27.9	14.7	44.1

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

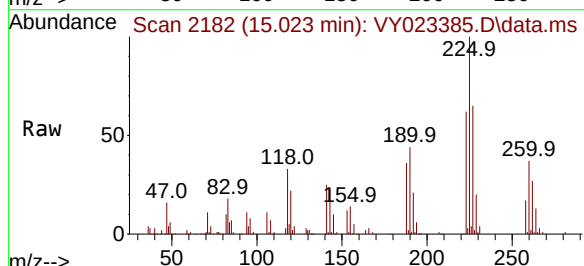
Concen: 10.554 ug/l

RT: 15.023 min Scan# 2182

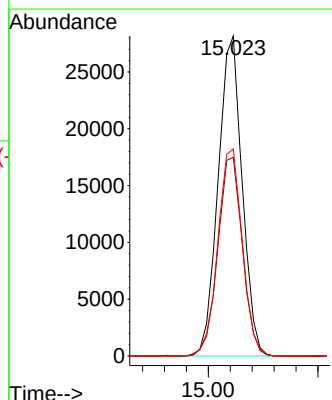
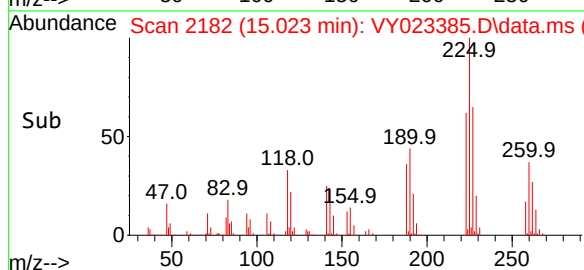
Delta R.T. 0.006 min

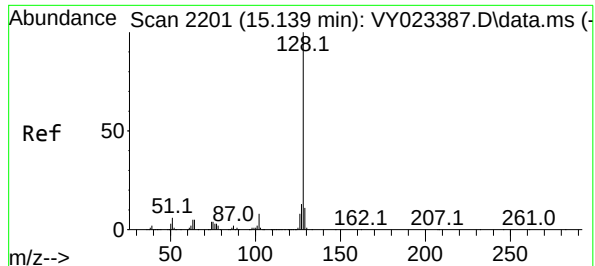
Lab File: VY023385.D

Acq: 07 Oct 2025 10:02



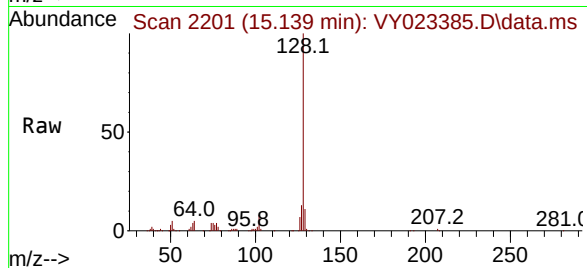
Tgt Ion:	225	Resp:	42813
Ion Ratio	Lower	Upper	
225	100		
223	63.4	30.8	92.3
227	66.0	31.9	95.7





#95
Naphthalene
Concen: 9.264 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

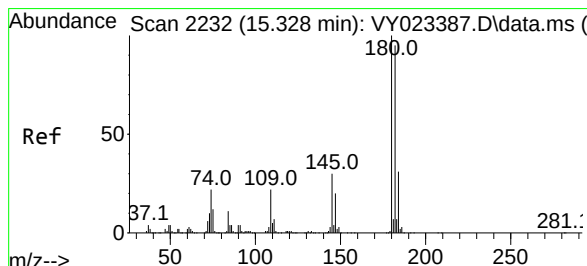
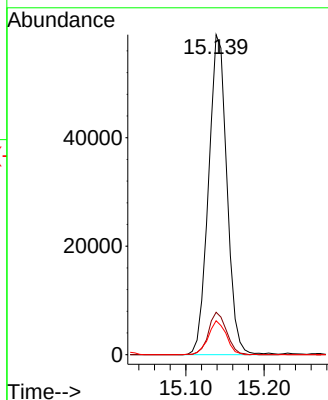
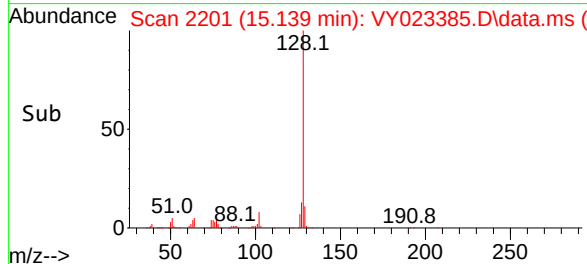
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



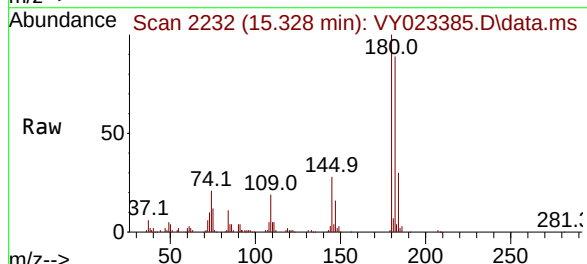
Tgt Ion:128 Resp: 96092
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.4 8.9 13.3

Manual Integrations
APPROVED

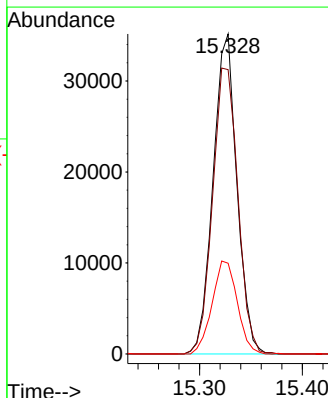
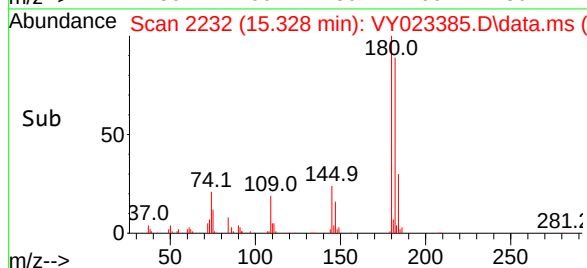
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.004 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02



Tgt Ion:180 Resp: 56499
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.8
145 30.8 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023386.D
 Acq On : 07 Oct 2025 11:24
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

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

Quant Time: Oct 08 04:41:57 2025

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

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	574363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	851961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	746872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382604	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	98481	19.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.600%#
35) Dibromofluoromethane	7.634	113	108034	20.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.800%#
50) Toluene-d8	10.103	98	401067	20.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	41.140%#
62) 4-Bromofluorobenzene	12.401	95	127216	20.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.360%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	91924	20.318	ug/l	98
3) Chloromethane	2.074	50	117585	18.284	ug/l	100
4) Vinyl Chloride	2.202	62	151460	18.652	ug/l	99
5) Bromomethane	2.586	94	125948	18.907	ug/l	97
6) Chloroethane	2.732	64	103973	18.859	ug/l	94
7) Trichlorofluoromethane	3.049	101	217452	20.846	ug/l	99
8) Diethyl Ether	3.452	74	54124	19.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	109936	19.718	ug/l	99
10) Methyl Iodide	4.007	142	119083	18.482	ug/l	99
11) Tert butyl alcohol	4.854	59	34346	117.345	ug/l	98
12) 1,1-Dichloroethene	3.787	96	104778	19.531	ug/l	98
13) Acrolein	3.653	56	48115	97.023	ug/l	98
14) Allyl chloride	4.384	41	125424	18.674	ug/l	98
15) Acrylonitrile	5.055	53	99018	92.641	ug/l	100
16) Acetone	3.866	43	108209	96.742	ug/l	96
17) Carbon Disulfide	4.104	76	303284	18.121	ug/l	99
18) Methyl Acetate	4.384	43	59704	21.002	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	247030	19.667	ug/l	97
20) Methylene Chloride	4.616	84	132229	21.801	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	116410	19.512	ug/l	95
22) Diisopropyl ether	6.018	45	288429	19.366	ug/l	98
23) Vinyl Acetate	5.957	43	748048	91.373	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190012	19.354	ug/l	99
25) 2-Butanone	6.896	43	132159	95.593	ug/l	93
26) 2,2-Dichloropropane	6.884	77	167903	19.247	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133634	19.747	ug/l	99
28) Bromochloromethane	7.244	49	73407	19.273	ug/l	98
29) Tetrahydrofuran	7.262	42	76502	93.229	ug/l	99
30) Chloroform	7.421	83	207096	19.562	ug/l	100
31) Cyclohexane	7.701	56	160159	18.472	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	188861	19.873	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140912	19.317	ug/l	100
37) Ethyl Acetate	6.982	43	55705	19.315	ug/l	98
38) Carbon Tetrachloride	7.817	117	171925	20.289	ug/l	99
39) Methylcyclohexane	9.109	83	182831	19.576	ug/l	99
40) Benzene	8.079	78	450471	19.809	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023386.D
 Acq On : 07 Oct 2025 11:24
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025

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

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	31129m	20.783	ug/l	
42) 1,2-Dichloroethane	8.158	62	116941	20.206	ug/l	99
43) Isopropyl Acetate	8.195	43	106595	19.002	ug/l #	87
44) Trichloroethene	8.865	130	131459	20.598	ug/l	98
45) 1,2-Dichloropropane	9.140	63	99363	19.417	ug/l	98
46) Dibromomethane	9.231	93	62277	19.896	ug/l	98
47) Bromodichloromethane	9.420	83	156426	19.854	ug/l	98
48) Methyl methacrylate	9.219	41	50661	19.352	ug/l	99
49) 1,4-Dioxane	9.225	88	13636	420.712	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	274059	95.378	ug/l	100
52) Toluene	10.170	92	291453	20.191	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	132848	19.632	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	158580	19.606	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	82183	19.740	ug/l	96
56) Ethyl methacrylate	10.438	69	89244	18.613	ug/l	99
57) 1,3-Dichloropropane	10.719	76	130650	19.389	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	190850m	90.982	ug/l	
59) 2-Hexanone	10.761	43	187387	94.190	ug/l	99
60) Dibromochloromethane	10.908	129	115907	20.412	ug/l	100
61) 1,2-Dibromoethane	11.011	107	78579	20.062	ug/l	100
64) Tetrachloroethene	10.646	164	167648	22.438	ug/l	97
65) Chlorobenzene	11.438	112	326360	20.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116412	20.396	ug/l	99
67) Ethyl Benzene	11.517	91	523606	19.768	ug/l	99
68) m/p-Xylenes	11.627	106	426913	40.211	ug/l	100
69) o-Xylene	11.956	106	195021	19.843	ug/l	96
70) Styrene	11.968	104	327934	20.208	ug/l	99
71) Bromoform	12.133	173	71119	20.814	ug/l #	99
73) Isopropylbenzene	12.255	105	513183	20.136	ug/l	99
74) N-amyl acetate	12.072	43	85063	17.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76821	18.069	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	74100m	19.634	ug/l	
77) Bromobenzene	12.529	156	135402	20.700	ug/l	98
78) n-propylbenzene	12.596	91	597829	19.945	ug/l	100
79) 2-Chlorotoluene	12.676	91	349203	20.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	418684	20.208	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	26922	19.234	ug/l	98
82) 4-Chlorotoluene	12.773	91	361458	20.000	ug/l	99
83) tert-Butylbenzene	12.993	119	377277	19.983	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	413292	20.162	ug/l	100
85) sec-Butylbenzene	13.176	105	546582	19.990	ug/l	100
86) p-Isopropyltoluene	13.291	119	464005	20.081	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	262901	20.347	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	259217	20.230	ug/l	99
89) n-Butylbenzene	13.615	91	401893	19.697	ug/l	98
90) Hexachloroethane	13.877	117	98983	19.730	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	231199	20.507	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12668	18.802	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	137963	20.770	ug/l	99
94) Hexachlorobutadiene	15.023	225	87575	21.159	ug/l	99
95) Naphthalene	15.145	128	206017	19.467	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	121656	21.113	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023386.D
 Acq On : 07 Oct 2025 11:24
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Quant Time: Oct 08 04:41:57 2025

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

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

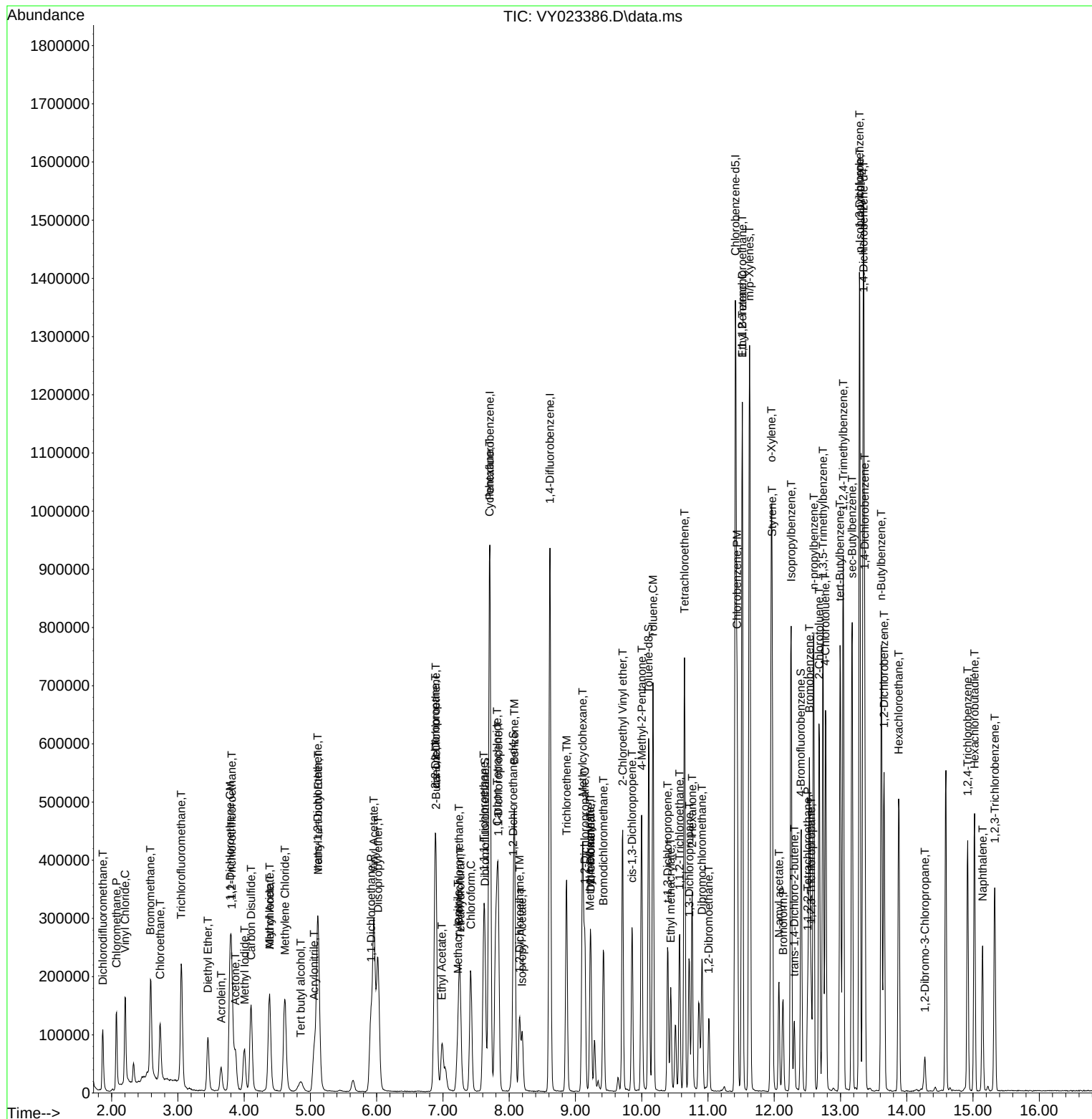
Response via : Initial Calibration

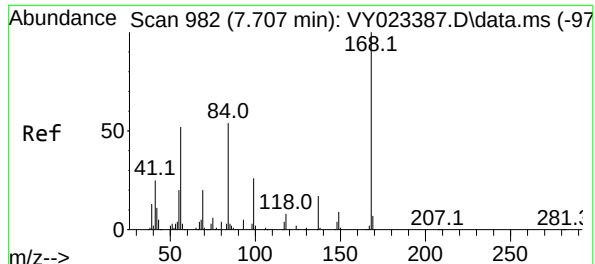
Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025

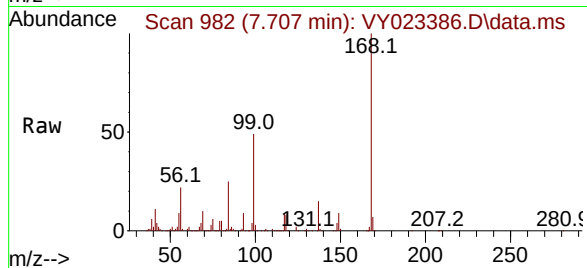
Supervised By : Mahesh Dadoda 10/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

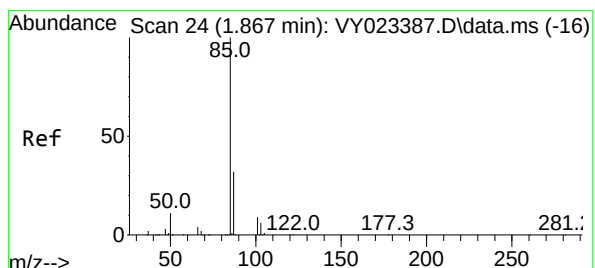
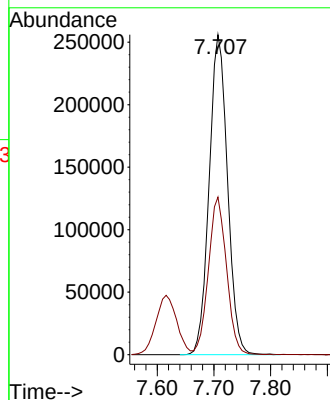
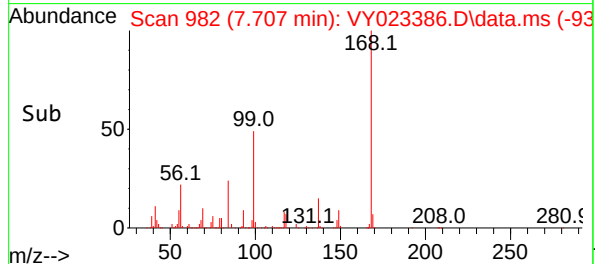
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 57436
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5

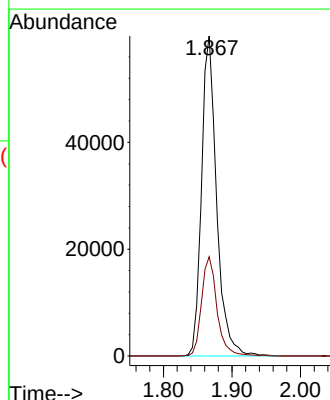
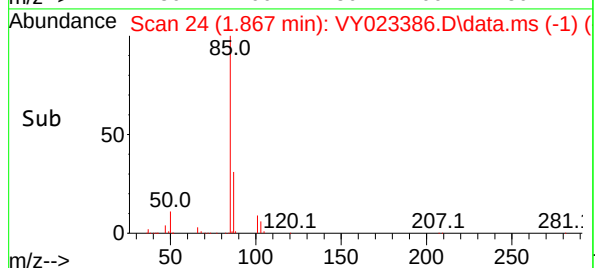
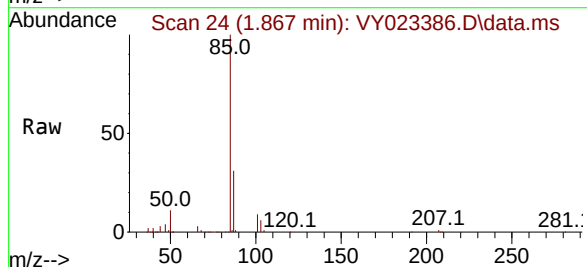
Manual Integrations
APPROVED

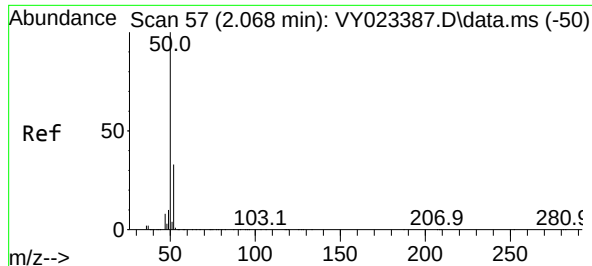
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 20.318 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 85 Resp: 91924
Ion Ratio Lower Upper
85 100
87 31.0 16.0 47.9





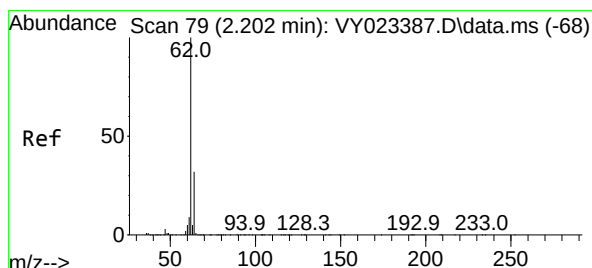
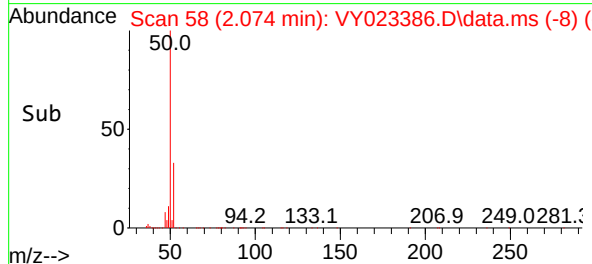
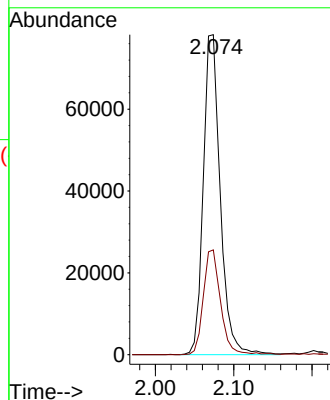
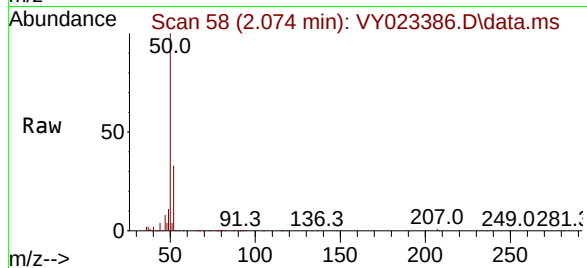
#3
Chloromethane
Concen: 18.284 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 11758
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2

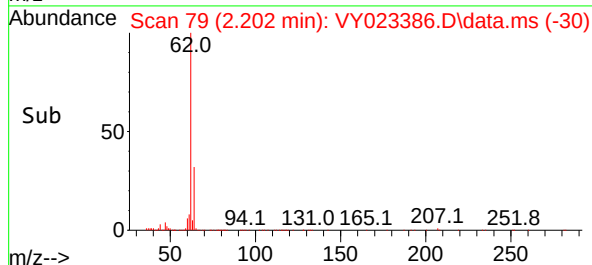
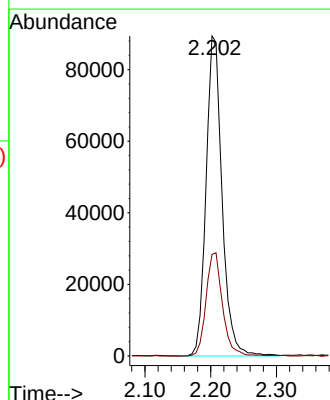
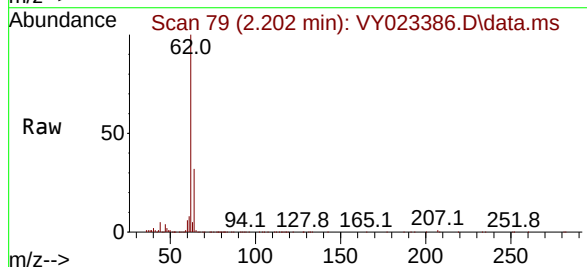
Manual Integrations
APPROVED

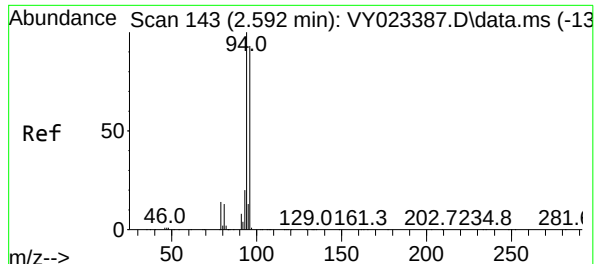
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 18.652 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 151460
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.8





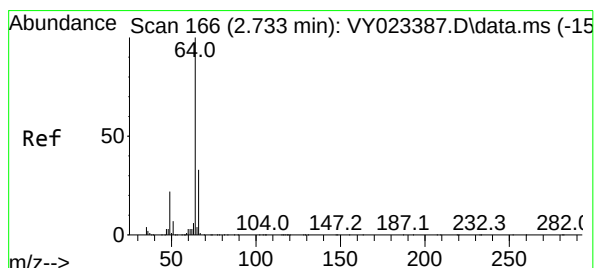
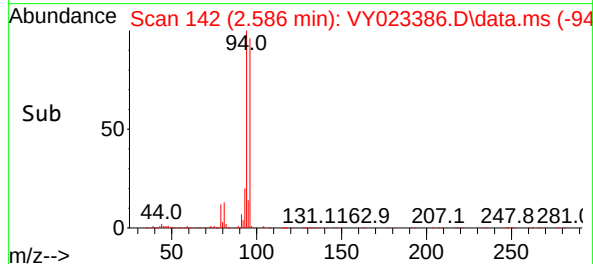
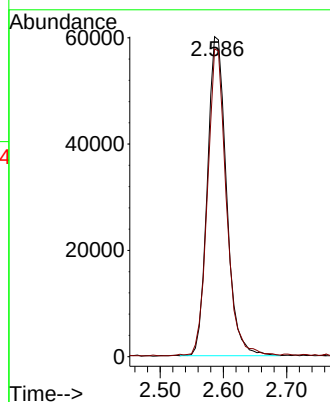
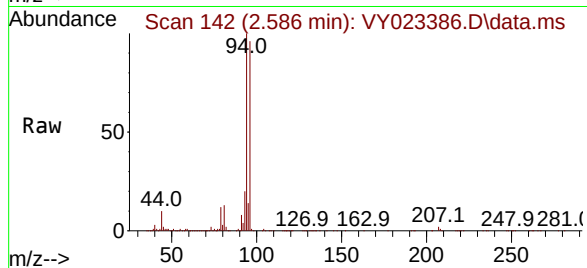
#5
Bromomethane
Concen: 18.907 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 125948
Ion Ratio Lower Upper
94 100
96 95.9 74.5 111.7

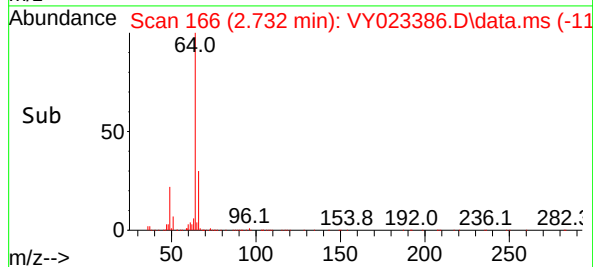
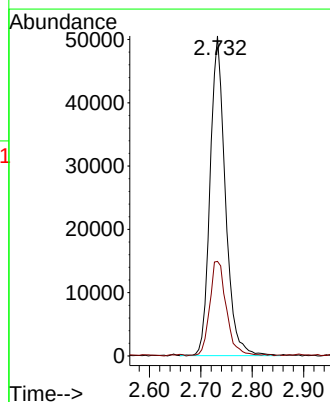
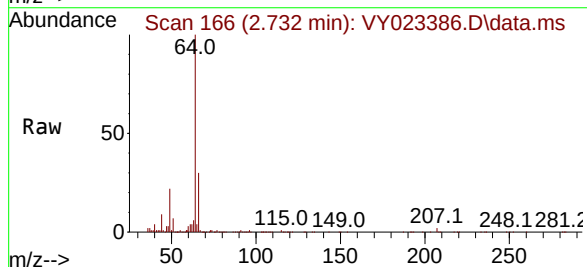
Manual Integrations
APPROVED

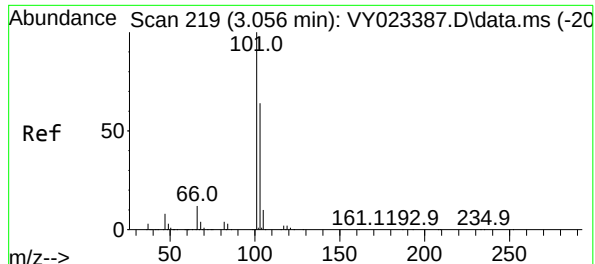
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 18.859 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 64 Resp: 103973
Ion Ratio Lower Upper
64 100
66 29.3 26.2 39.4





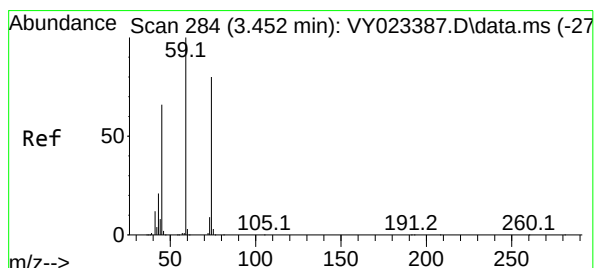
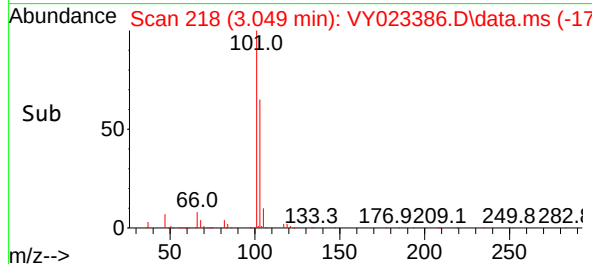
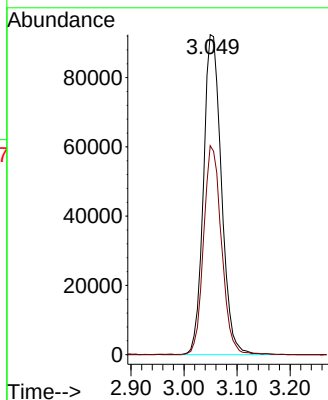
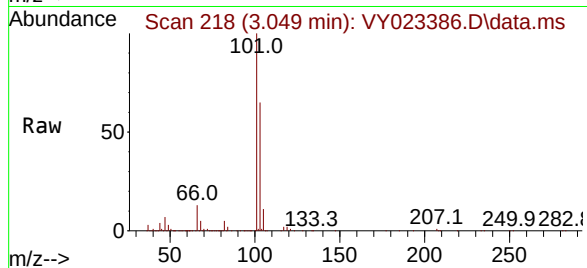
#7
Trichlorofluoromethane
Concen: 20.846 ug/l
RT: 3.049 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 217452
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9

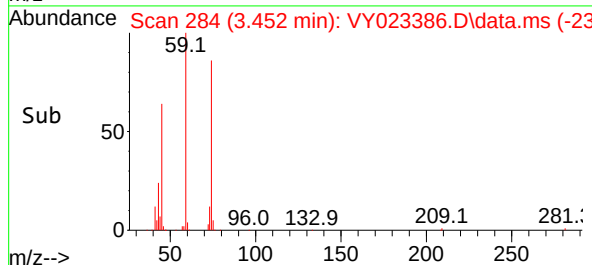
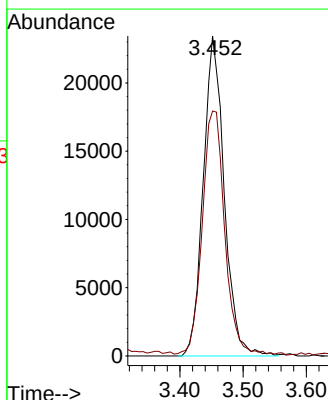
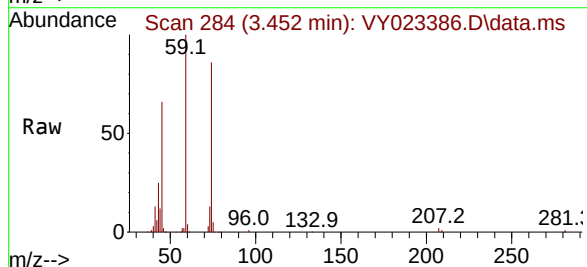
Manual Integrations
APPROVED

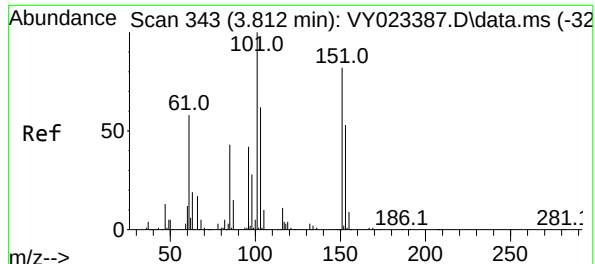
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Diethyl Ether
Concen: 19.837 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 74 Resp: 54124
Ion Ratio Lower Upper
74 100
45 80.6 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.718 ug/l

RT: 3.811 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

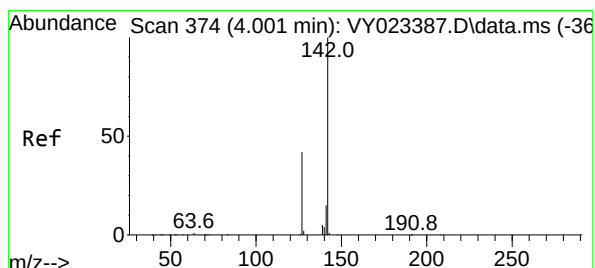
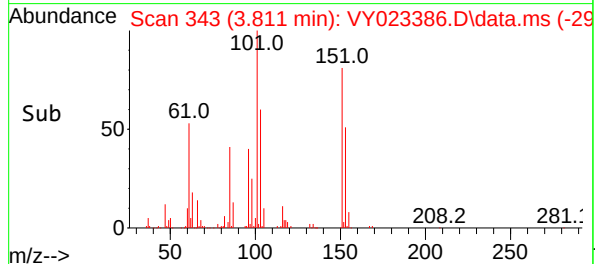
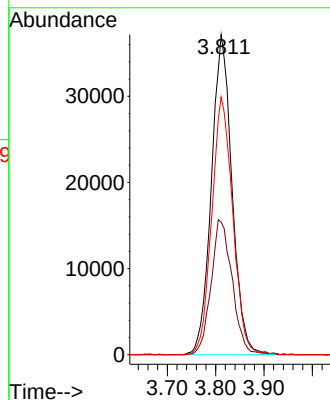
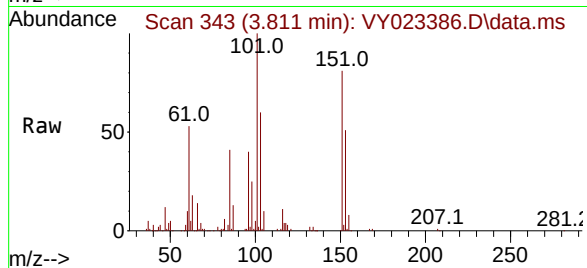
VSTDICC020

Tgt Ion:	101	Resp:	10993
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.6	51.8
151	82.2	67.0	100.6

Manual Integrations

APPROVED

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



#10

Methyl Iodide

Concen: 18.482 ug/l

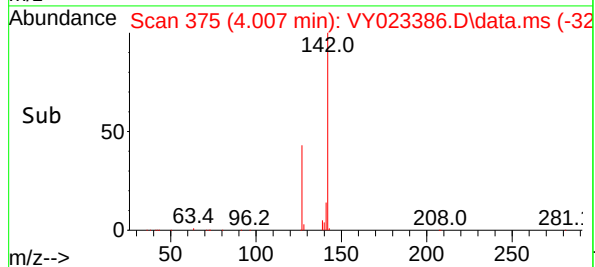
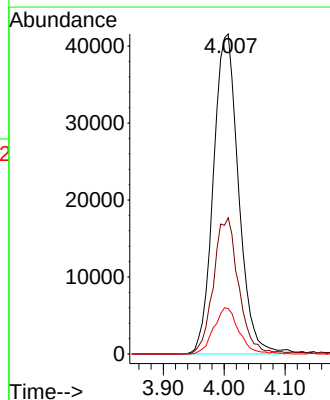
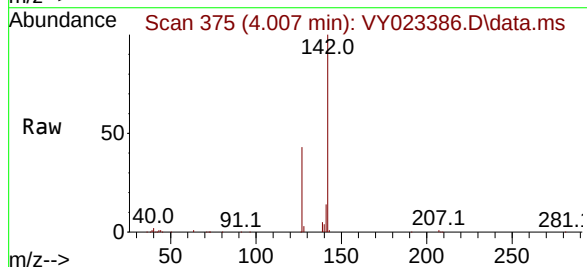
RT: 4.007 min Scan# 375

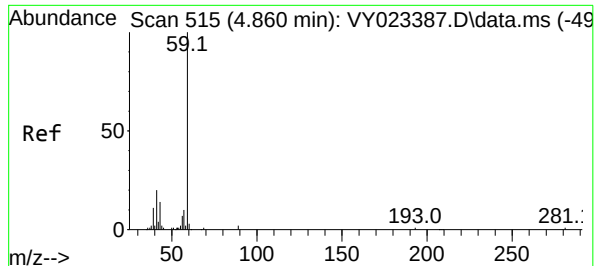
Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:	142	Resp:	119083
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.8	52.2
141	14.5	11.6	17.4





#11

Tert butyl alcohol

Concen: 117.345 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 3434

Ion Ratio Lower Upper

59 100

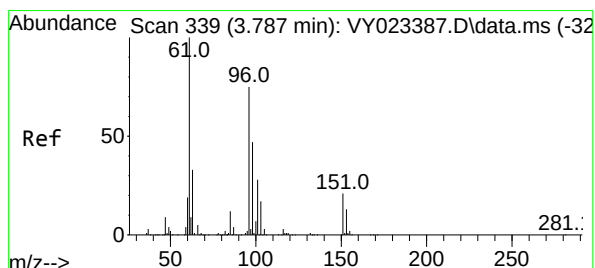
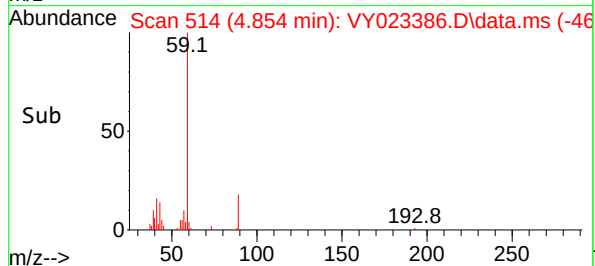
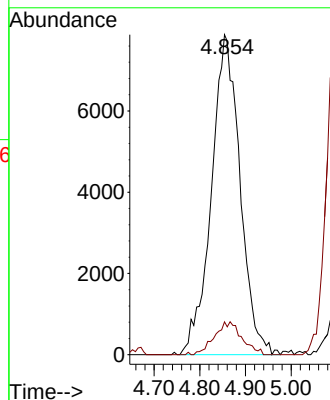
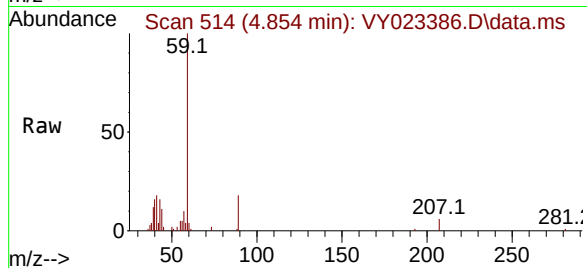
57 9.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 19.531 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

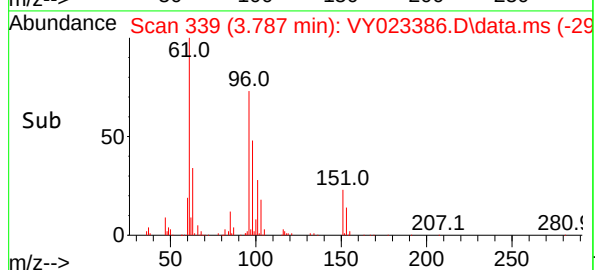
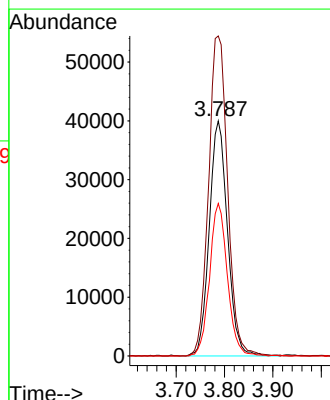
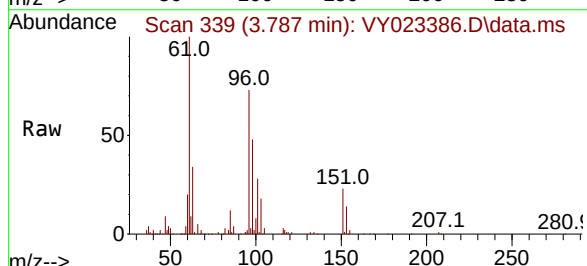
Tgt Ion: 96 Resp: 104778

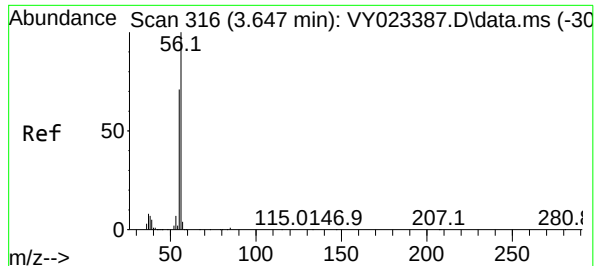
Ion Ratio Lower Upper

96 100

61 136.2 106.7 160.1

98 64.9 50.2 75.4





#13

Acrolein

Concen: 97.023 ug/l

RT: 3.653 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 4811

Ion Ratio Lower Upper

56 100

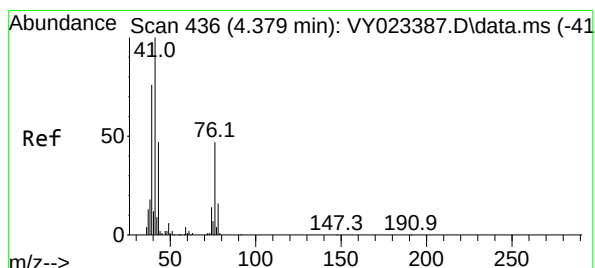
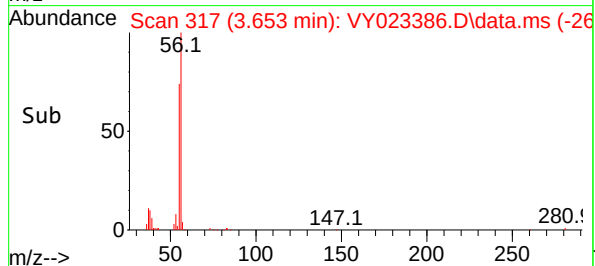
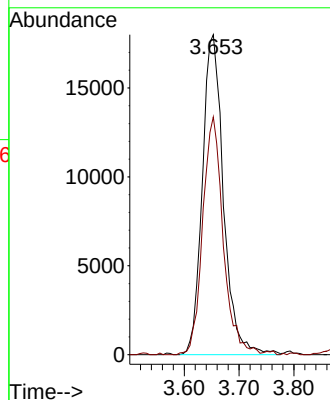
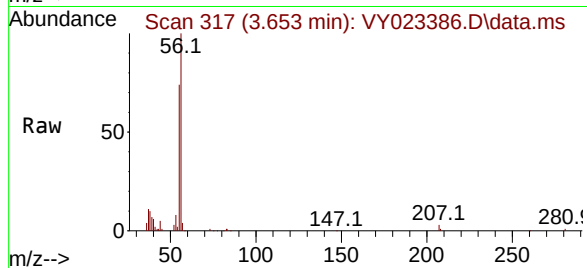
55 72.0 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 18.674 ug/l

RT: 4.384 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

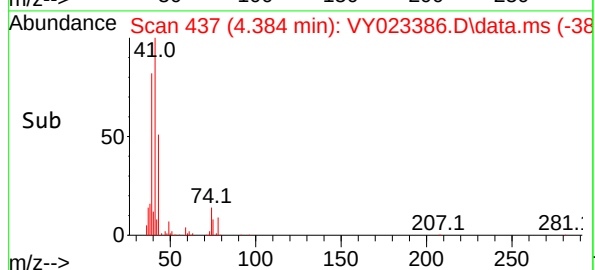
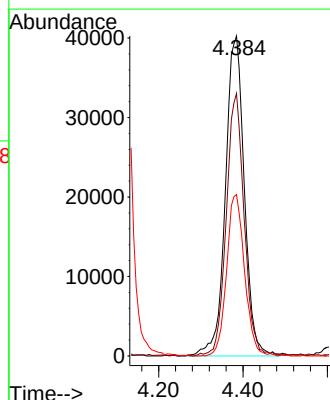
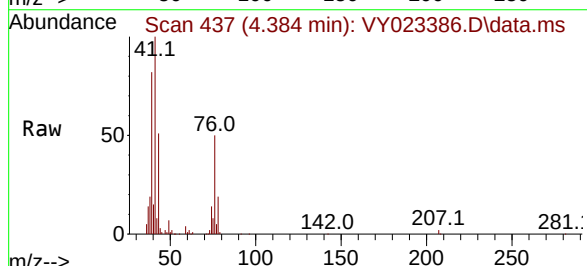
Tgt Ion: 41 Resp: 125424

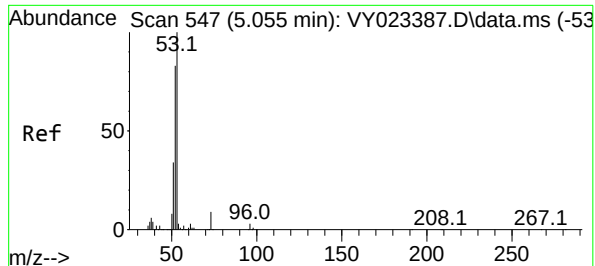
Ion Ratio Lower Upper

41 100

39 77.6 59.9 89.9

76 47.9 38.0 57.0





#15

Acrylonitrile

Concen: 92.641 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 53 Resp: 99018

Ion Ratio Lower Upper

53 100

52 80.7 64.6 97.0

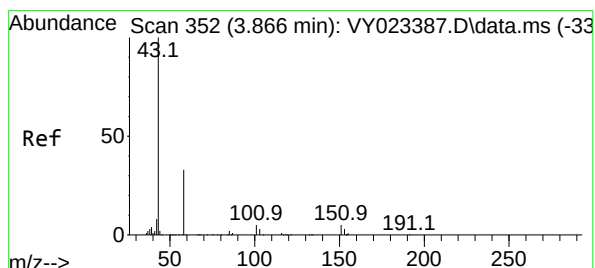
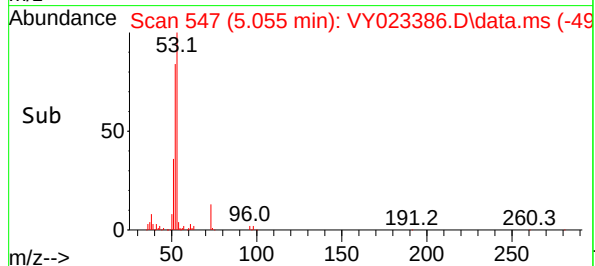
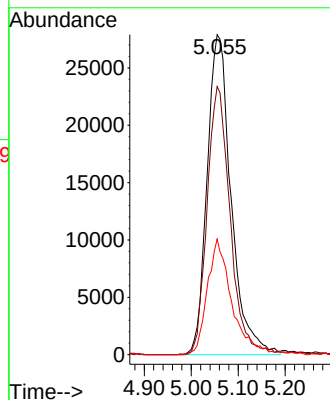
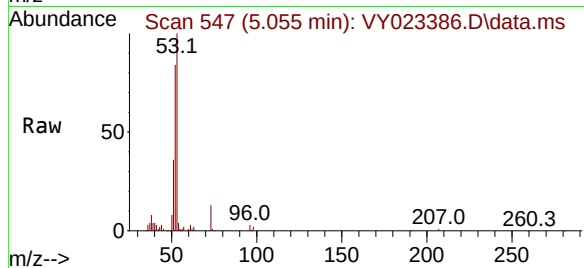
51 36.6 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 96.742 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY023386.D

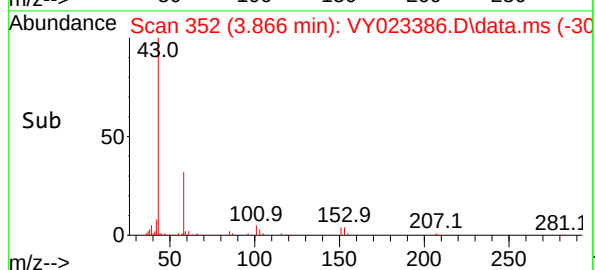
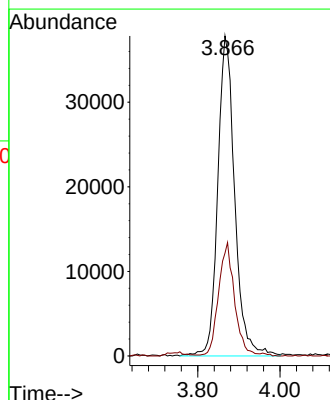
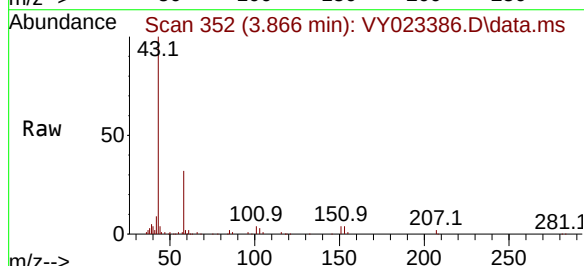
Acq: 07 Oct 2025 11:24

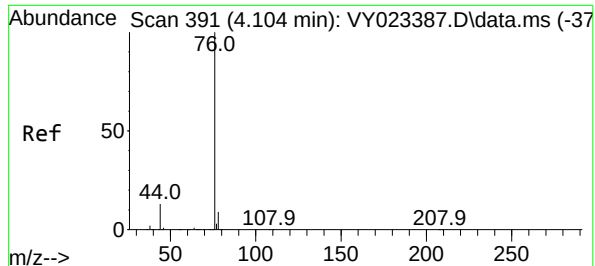
Tgt Ion: 43 Resp: 108209

Ion Ratio Lower Upper

43 100

58 32.1 27.7 41.5





#17

Carbon Disulfide

Concen: 18.121 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 303284

Ion Ratio Lower Upper

76 100

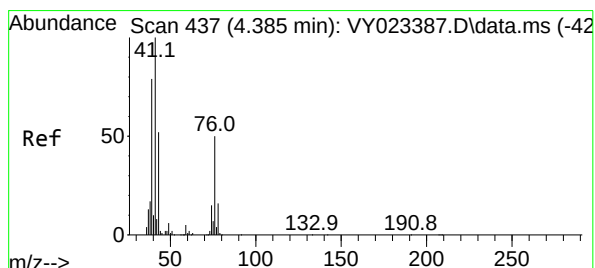
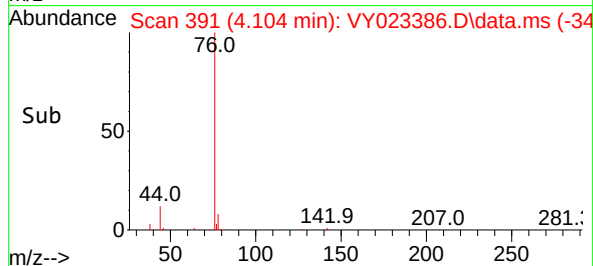
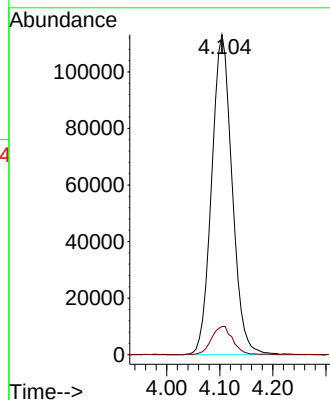
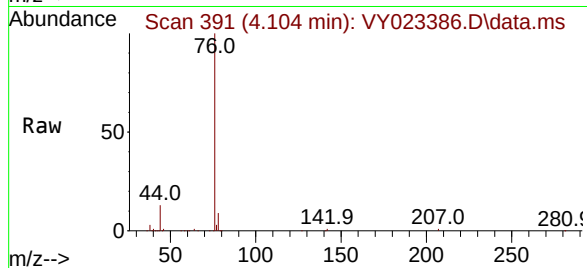
78 8.8 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 21.002 ug/l

RT: 4.384 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY023386.D

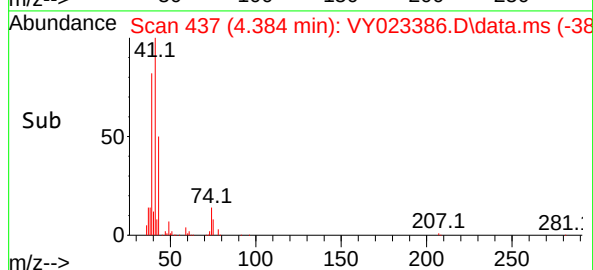
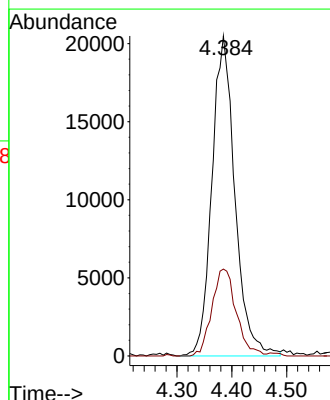
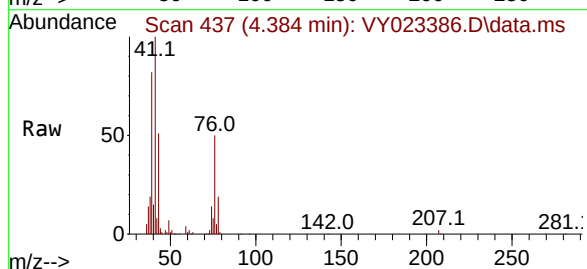
Acq: 07 Oct 2025 11:24

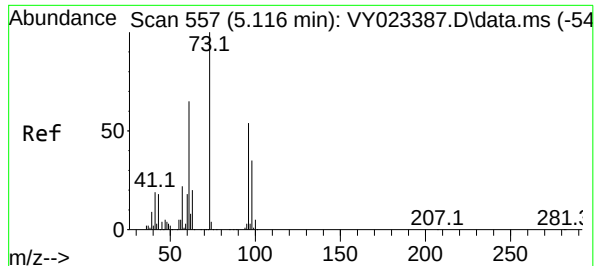
Tgt Ion: 43 Resp: 59704

Ion Ratio Lower Upper

43 100

74 28.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.667 ug/l

RT: 5.116 min Scan# 557

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 247030

Ion Ratio Lower Upper

73 100

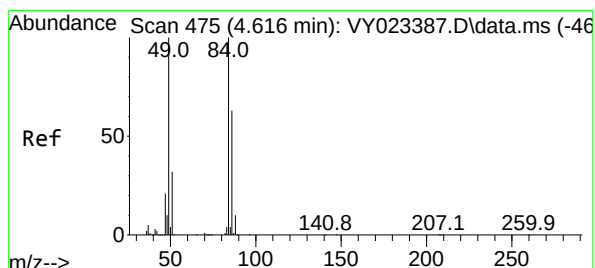
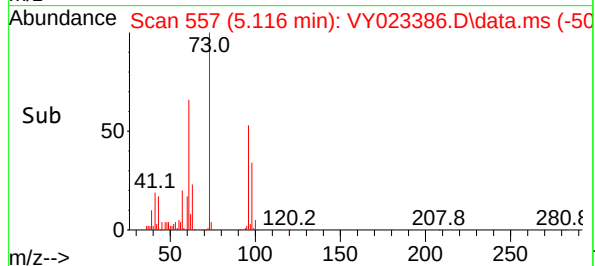
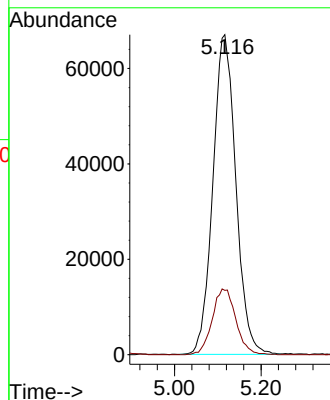
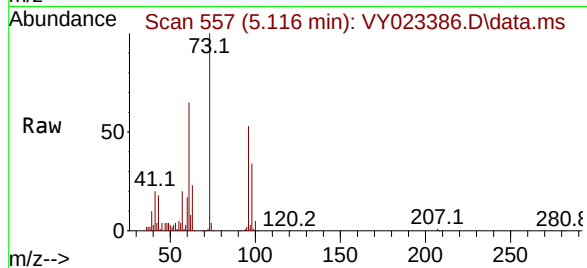
57 20.1 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 21.801 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 84 Resp: 132229

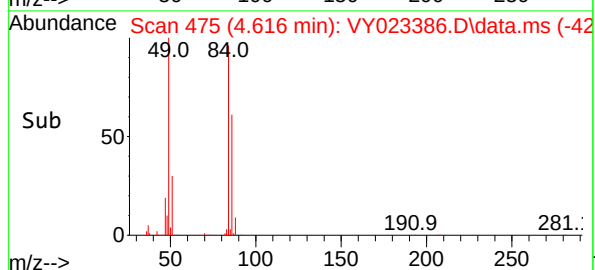
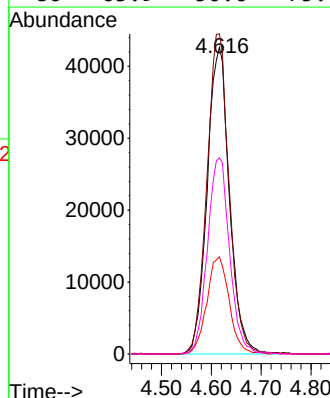
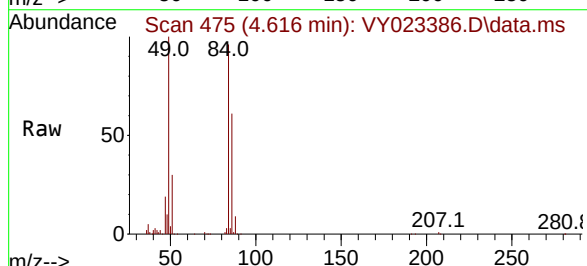
Ion Ratio Lower Upper

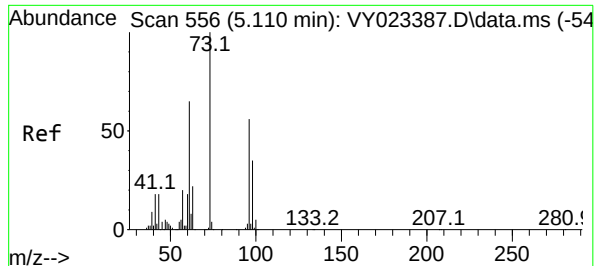
84 100

49 104.2 80.2 120.4

51 31.7 25.9 38.9

86 63.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.512 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.000 min

Lab File: VY023386.D

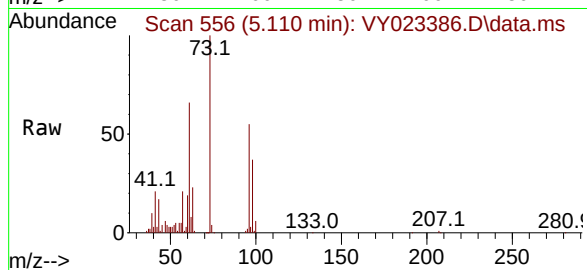
Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020



Tgt Ion: 96 Resp: 116410

Ion Ratio Lower Upper

96 100

61 120.5 92.7 139.1

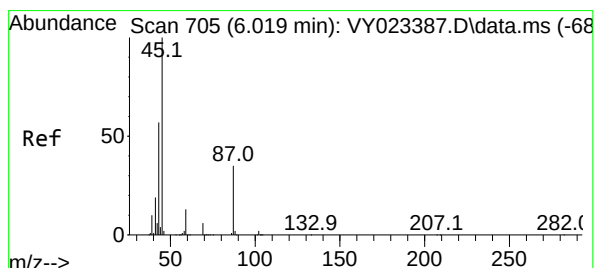
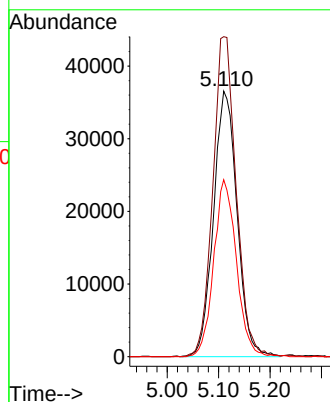
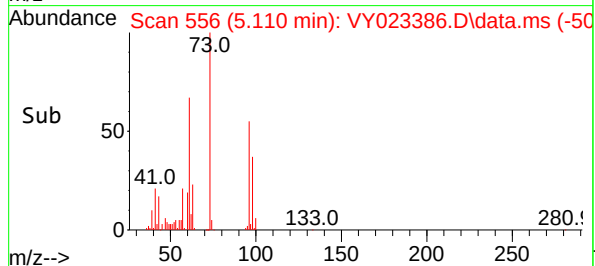
98 66.7 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#22

Diisopropyl ether

Concen: 19.366 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 45 Resp: 288429

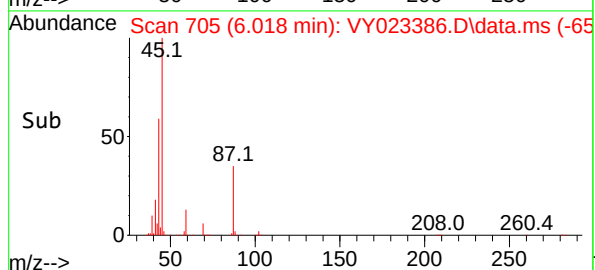
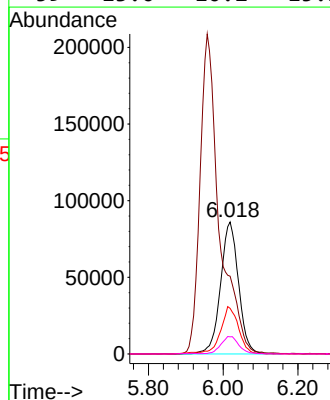
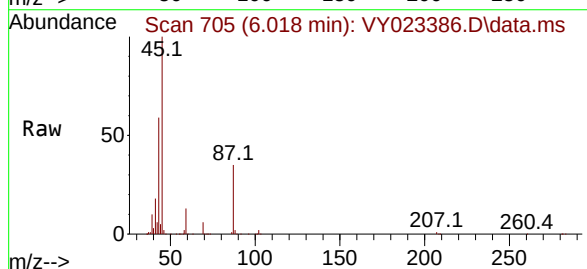
Ion Ratio Lower Upper

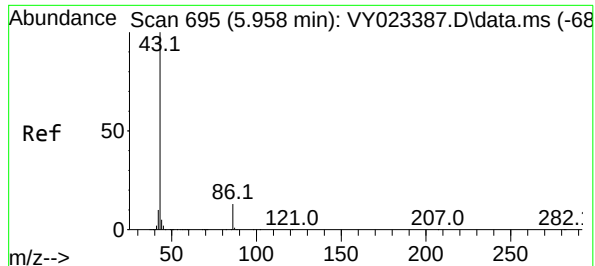
45 100

43 58.8 45.6 68.4

87 34.5 28.1 42.1

59 13.0 10.2 15.2





#23

Vinyl Acetate

Concen: 91.373 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 74804

Ion Ratio Lower Upper

43

100

86

13.5

10.6

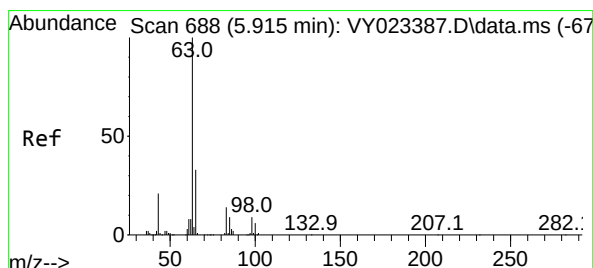
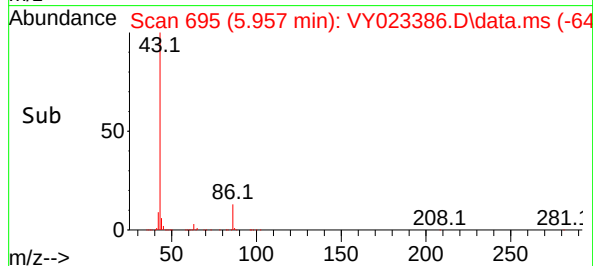
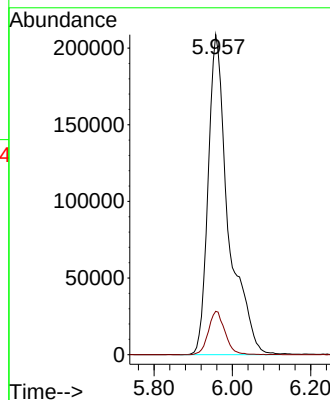
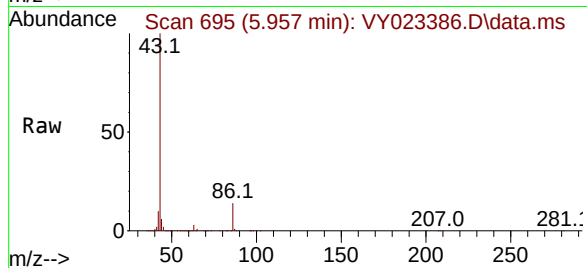
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 19.354 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190012

Ion Ratio Lower Upper

63

100

98

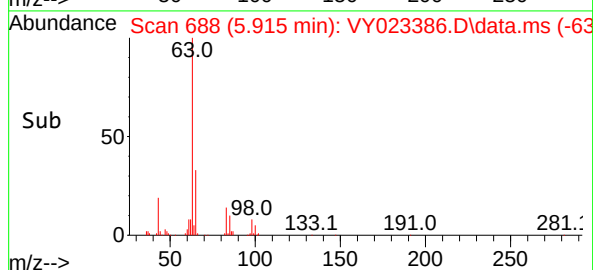
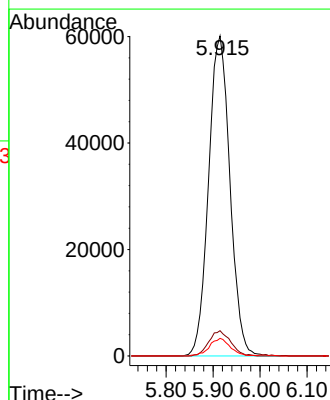
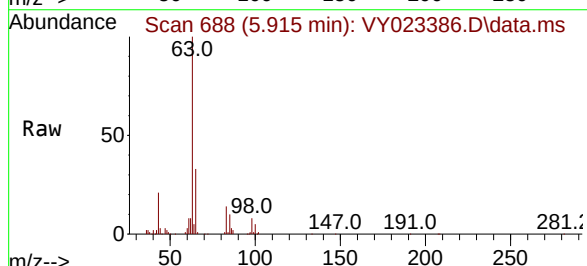
7.9

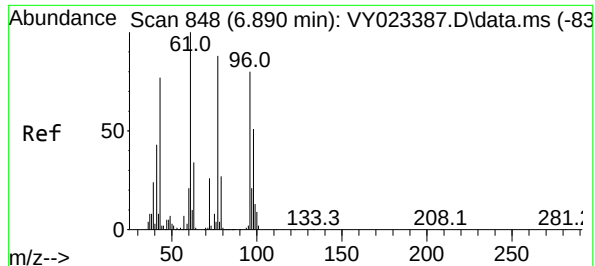
100

5.5

2.8

8.4





#25

2-Butanone

Concen: 95.593 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 132159

Ion Ratio Lower Upper

43 100

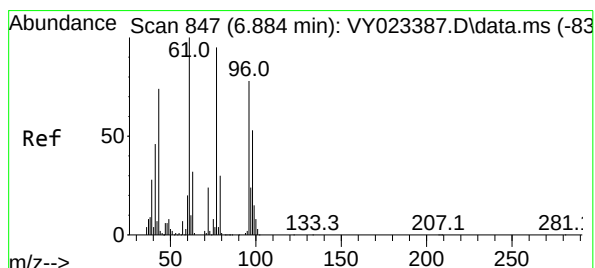
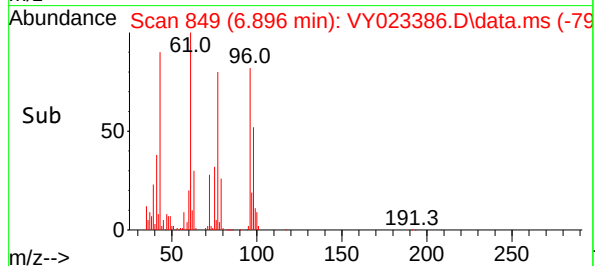
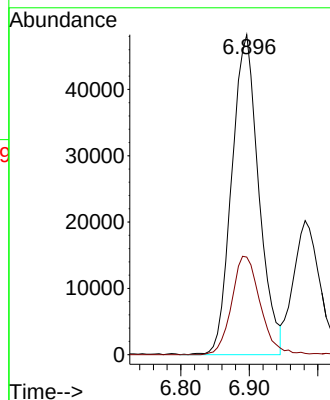
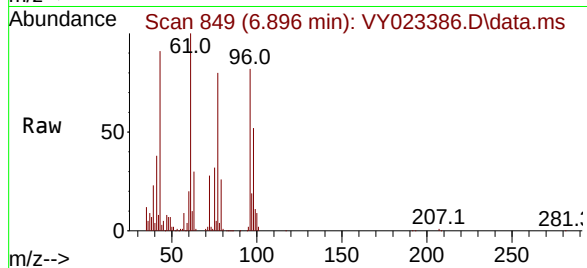
72 30.5 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 19.247 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023386.D

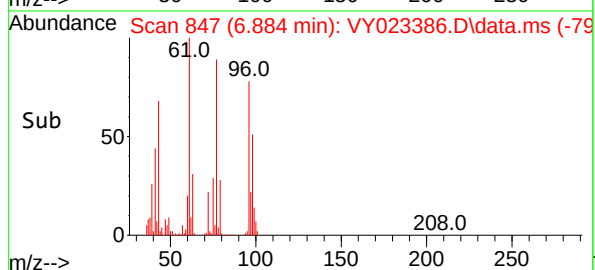
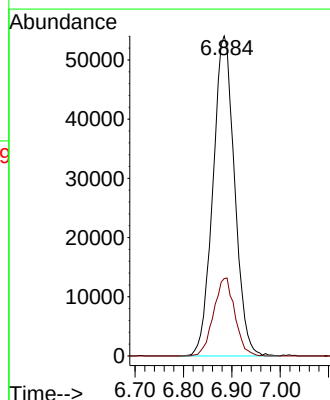
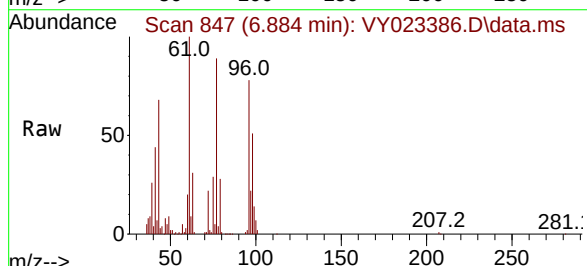
Acq: 07 Oct 2025 11:24

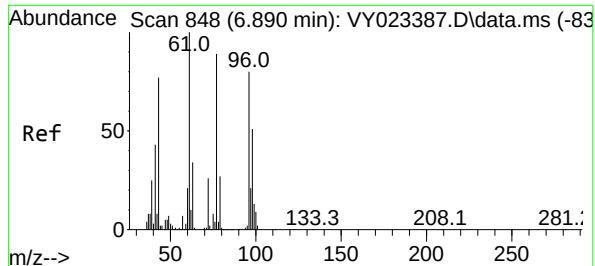
Tgt Ion: 77 Resp: 167903

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.747 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 133634

Ion Ratio Lower Upper

96 100

61 128.1 0.0 258.2

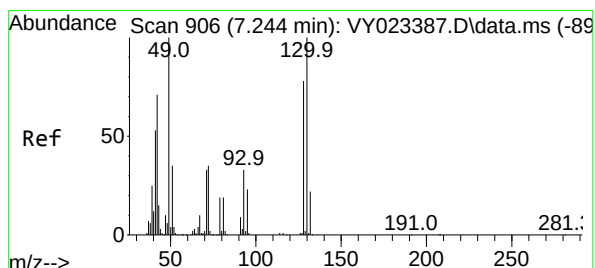
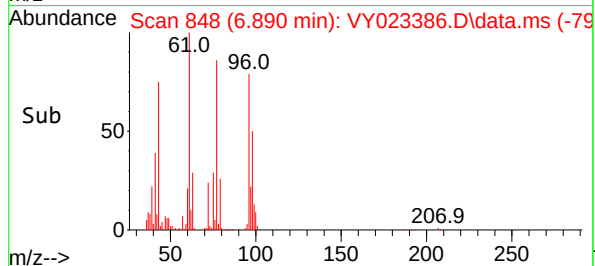
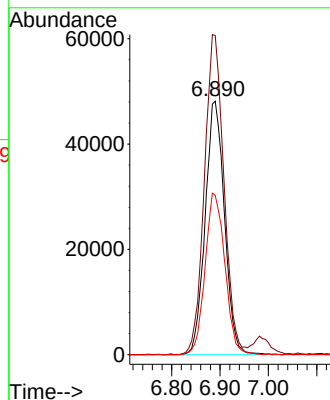
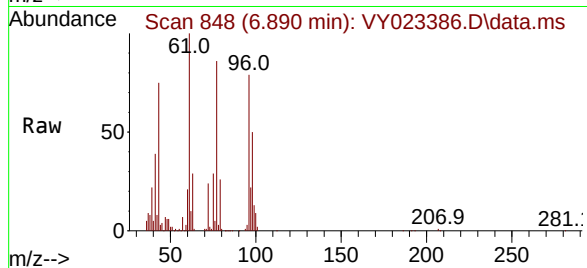
98 65.3 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 19.273 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

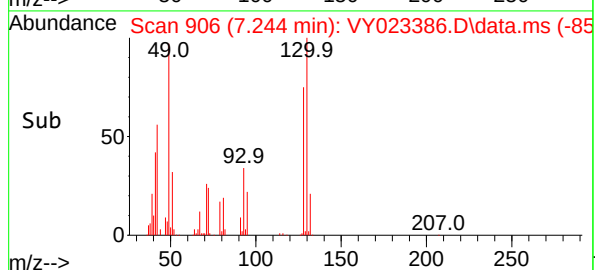
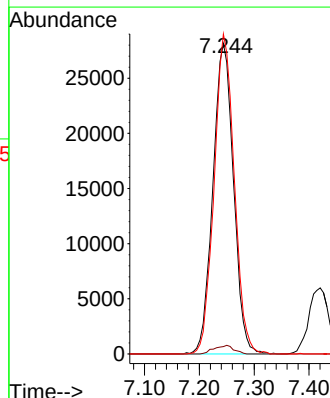
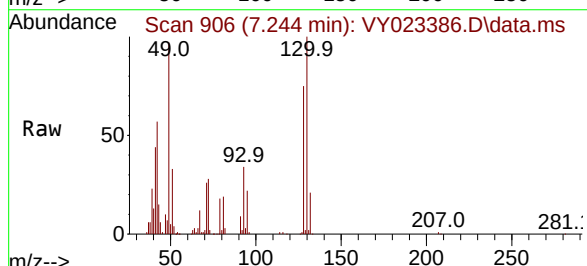
Tgt Ion: 49 Resp: 73407

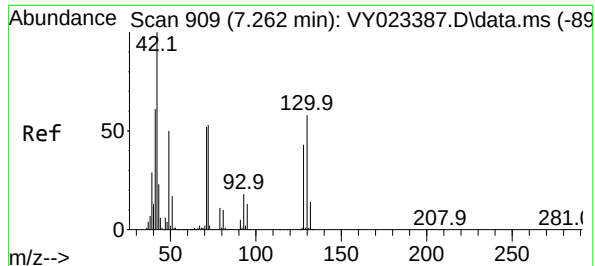
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

130 100.8 81.9 122.9





#29

Tetrahydrofuran

Concen: 93.229 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

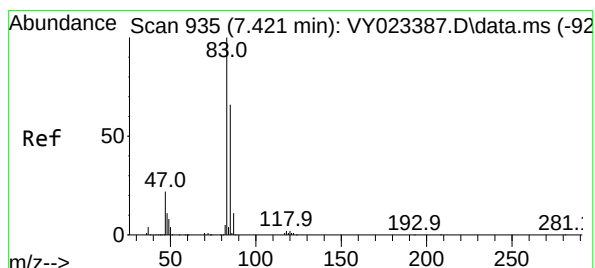
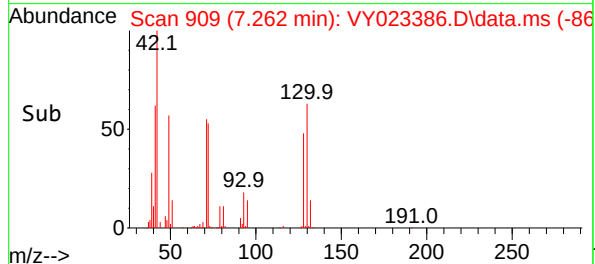
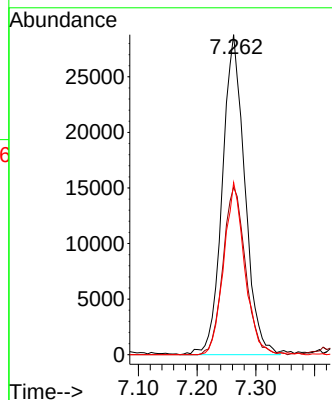
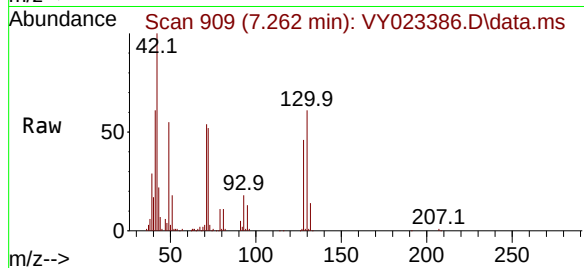
ClientSampleId :

VSTDICC020

Tgt Ion:	42	Resp:	76502
Ion	Ratio	Lower	Upper
42	100		
72	52.7	43.0	64.6
71	50.6	40.1	60.1

Manual Integrations
APPROVED

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



#30

Chloroform

Concen: 19.562 ug/l

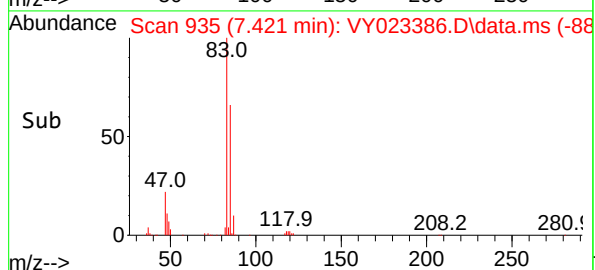
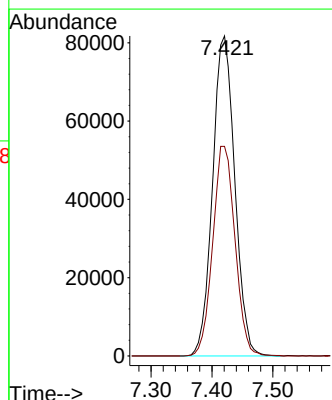
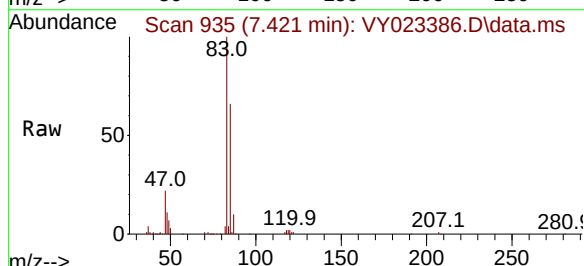
RT: 7.421 min Scan# 935

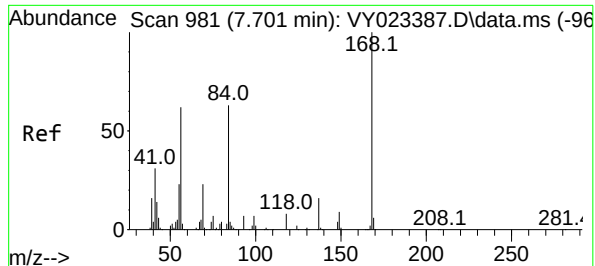
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

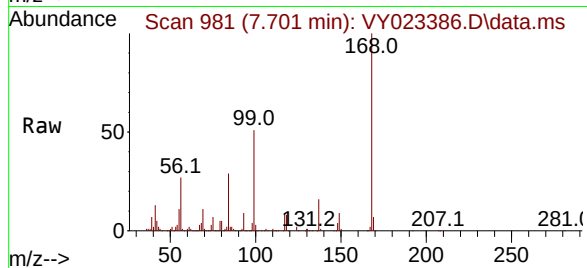
Tgt Ion:	83	Resp:	207096
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31
Cyclohexane
Concen: 18.472 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

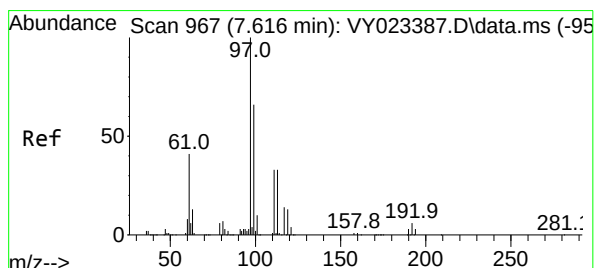
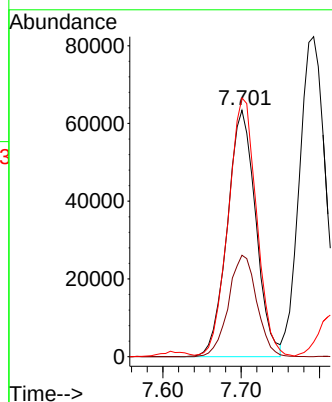
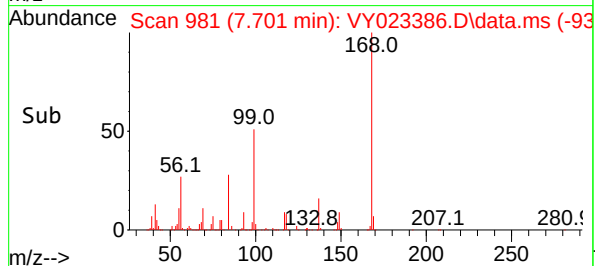
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



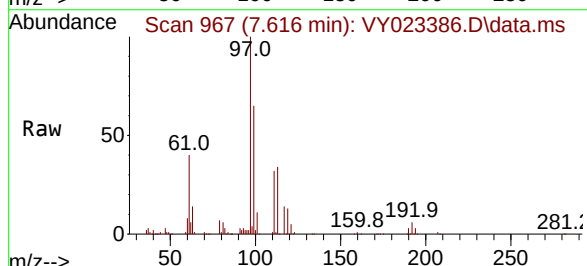
Tgt Ion: 56 Resp: 160159
Ion Ratio Lower Upper
56 100
69 41.2 30.0 45.0
84 103.3 81.2 121.8

Manual Integrations
APPROVED

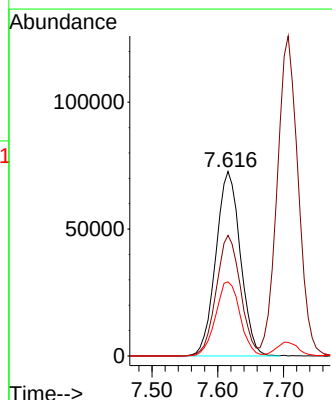
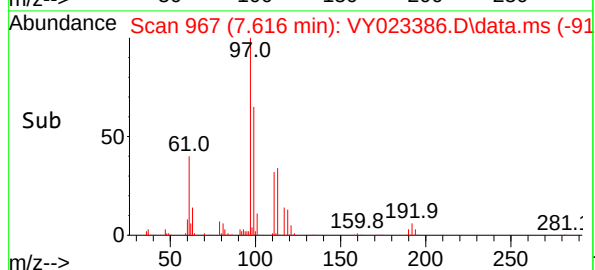
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

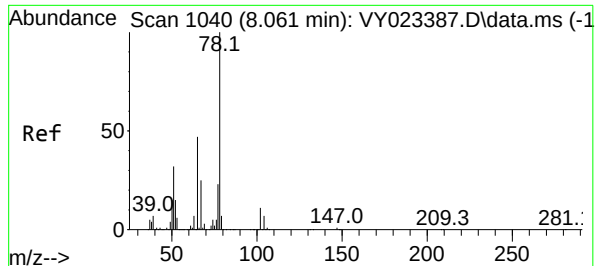


#32
1,1,1-Trichloroethane
Concen: 19.873 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24



Tgt Ion: 97 Resp: 188861
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 40.1 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 19.798 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 9848

Ion Ratio Lower Upper

65 100

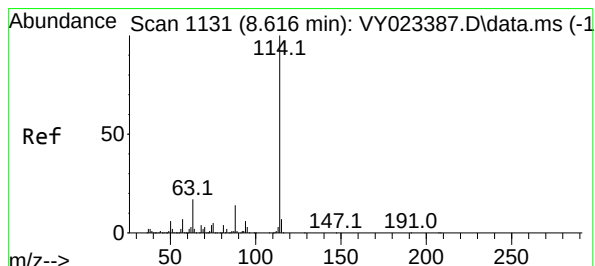
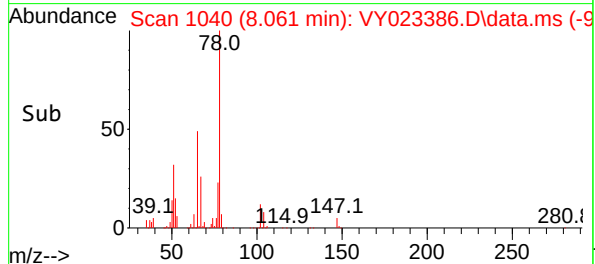
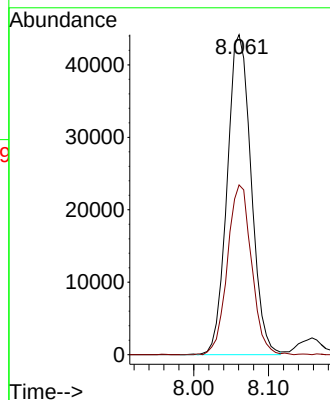
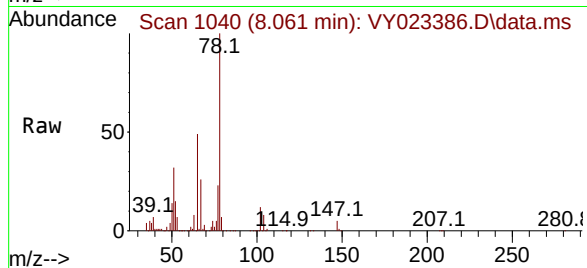
67 53.3 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

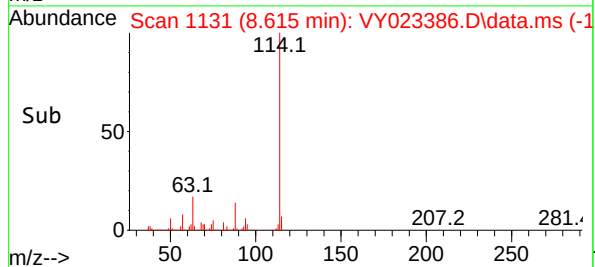
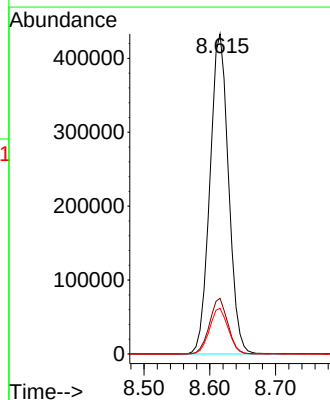
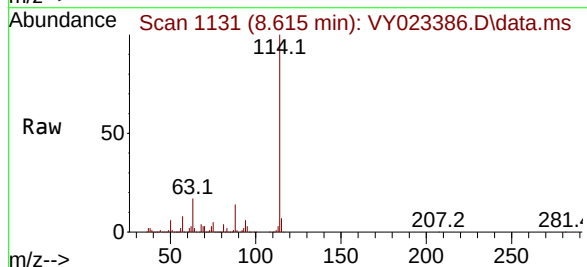
Tgt Ion:114 Resp: 851961

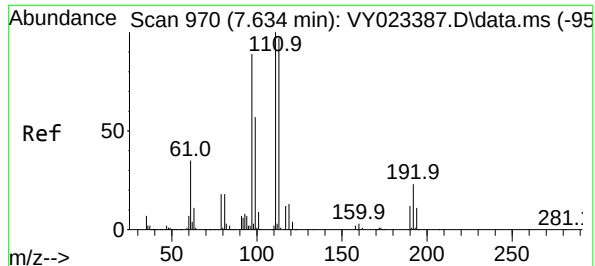
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.2

88 14.3 0.0 28.4





#35

Dibromofluoromethane

Concen: 20.895 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

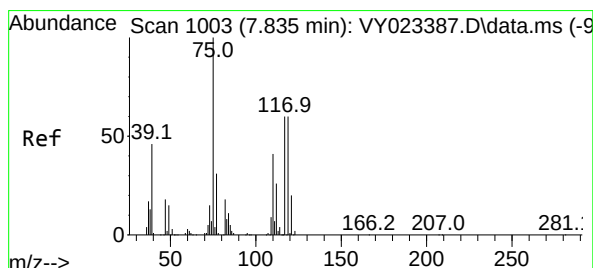
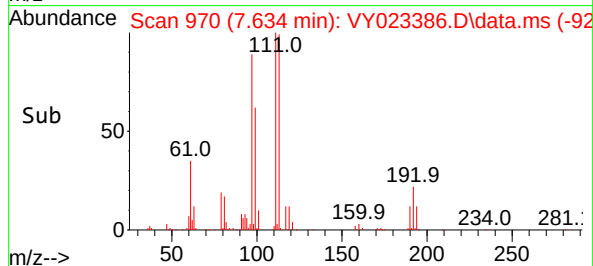
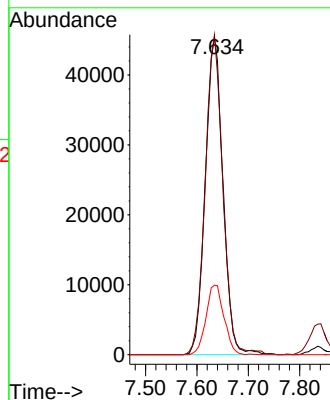
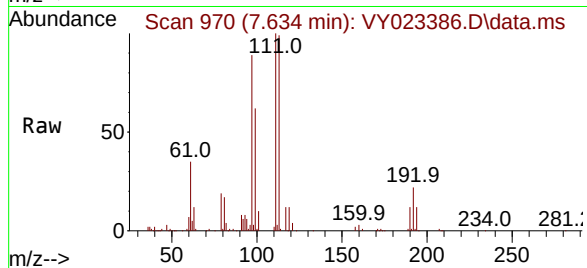
ClientSampleId :

VSTDICC020

Tgt Ion:	113	Resp:	108034
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	22.3	18.0	27.0

Manual Integrations
APPROVED

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



#36

1,1-Dichloropropene

Concen: 19.317 ug/l

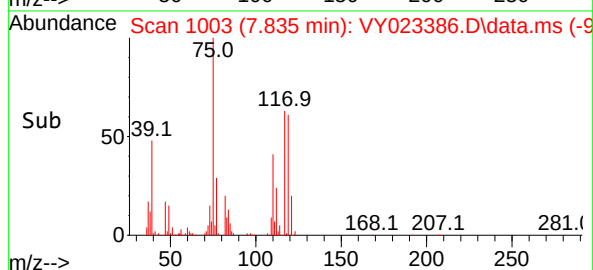
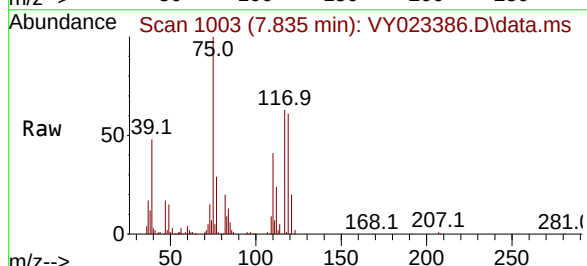
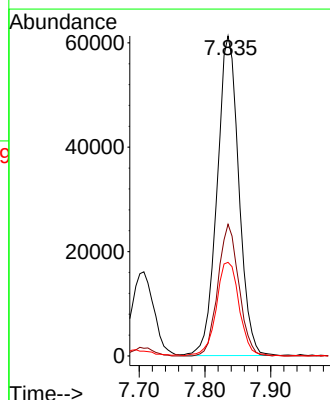
RT: 7.835 min Scan# 1003

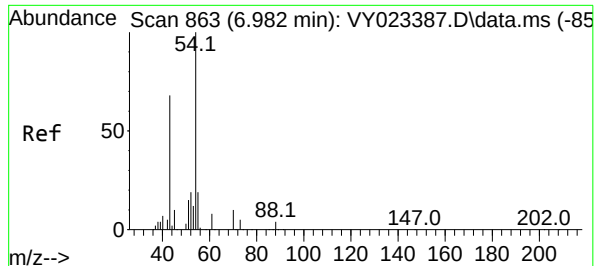
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:	75	Resp:	140912
Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.9	59.7
77	31.0	25.0	37.6





#37

Ethyl Acetate

Concen: 19.315 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

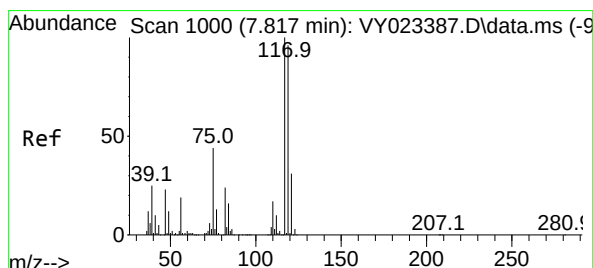
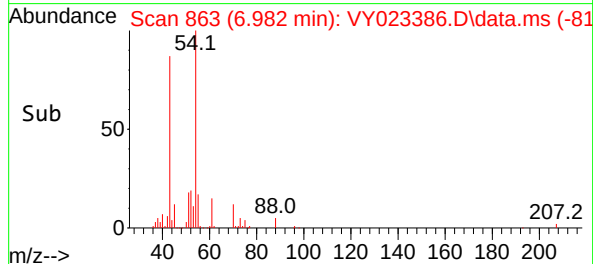
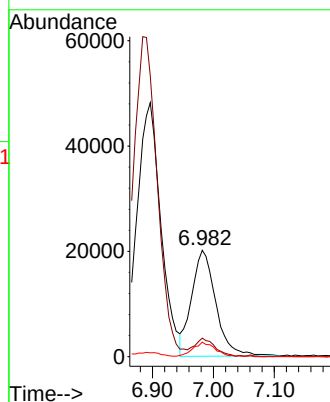
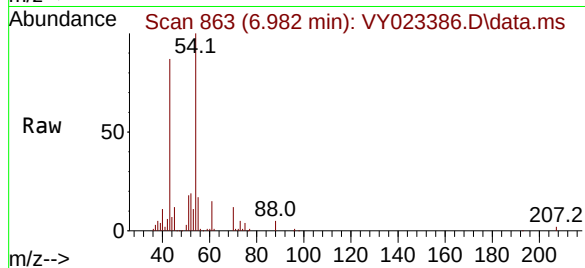
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	5570
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	12.7	10.5	15.7

Manual Integrations
APPROVED

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



#38

Carbon Tetrachloride

Concen: 20.289 ug/l

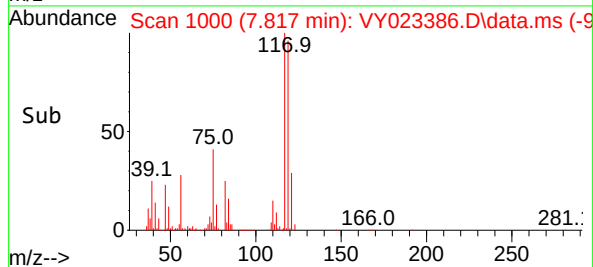
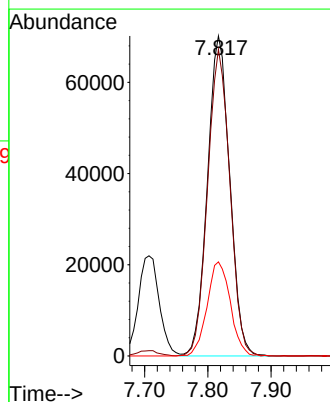
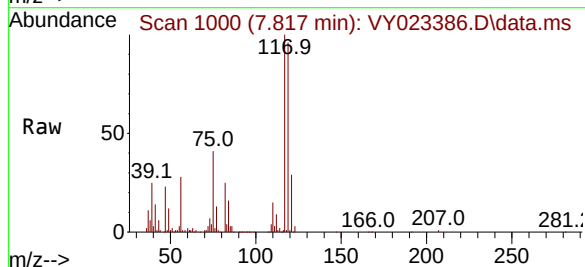
RT: 7.817 min Scan# 1000

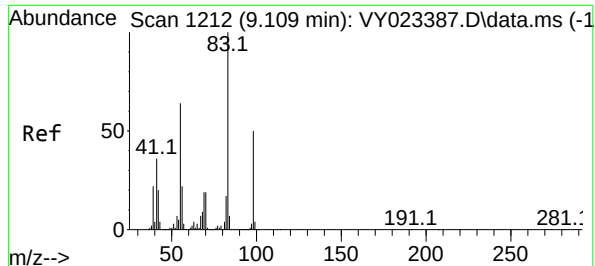
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:	117	Resp:	171925
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	29.4	24.5	36.7





#39

Methylcyclohexane

Concen: 19.576 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 18283

Ion Ratio Lower Upper

83 100

55 64.8 51.4 77.2

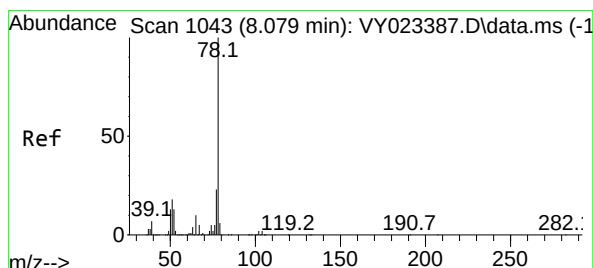
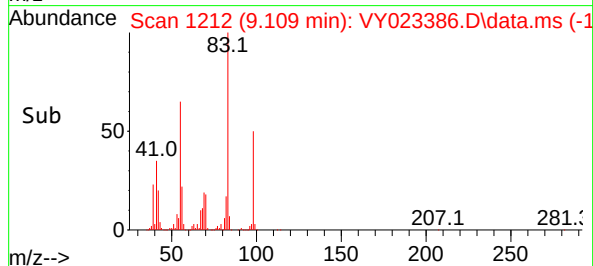
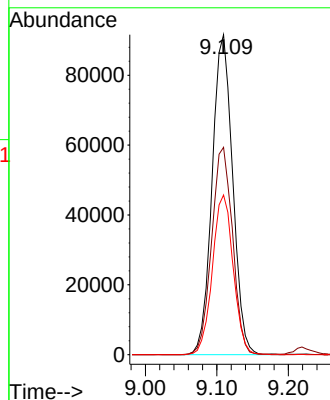
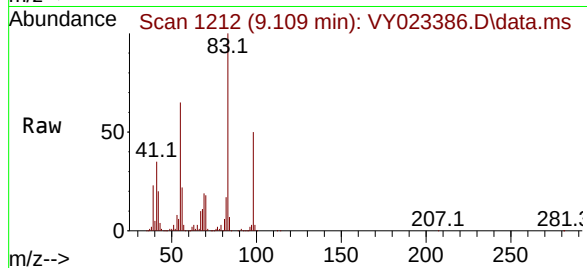
98 49.9 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 19.809 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023386.D

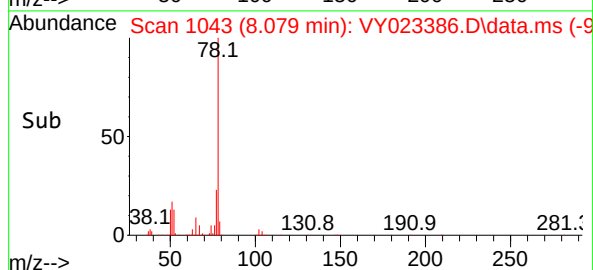
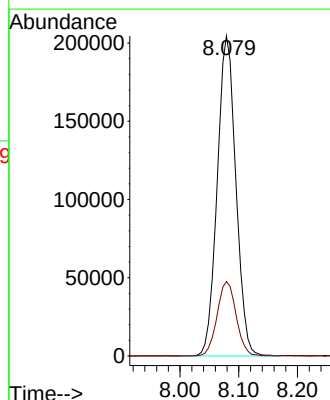
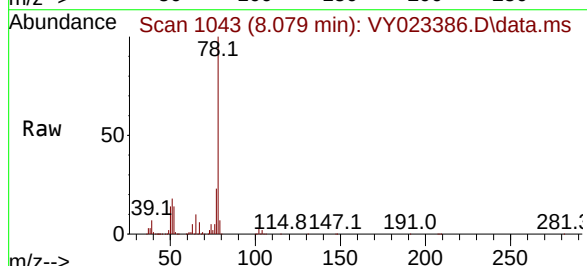
Acq: 07 Oct 2025 11:24

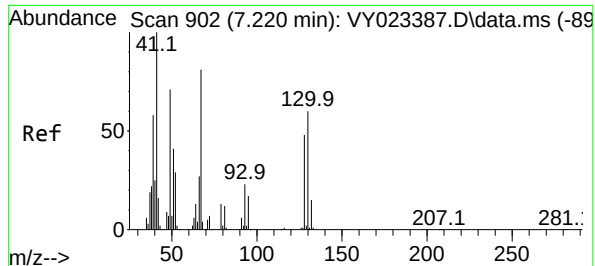
Tgt Ion: 78 Resp: 450471

Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5





#41

Methacrylonitrile

Concen: 20.783 ug/l m

RT: 7.225 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 31129

Ion Ratio Lower Upper

41 100

39 68.6 52.2 78.4

67 0.0 74.9 112.3

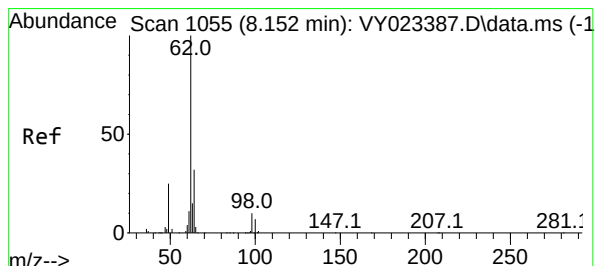
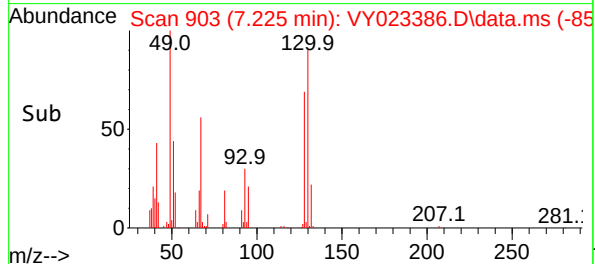
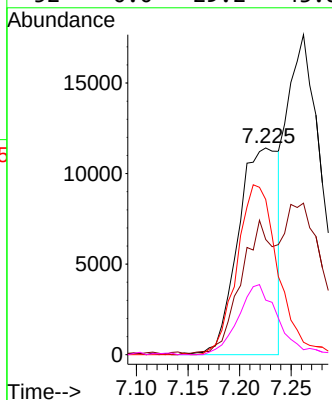
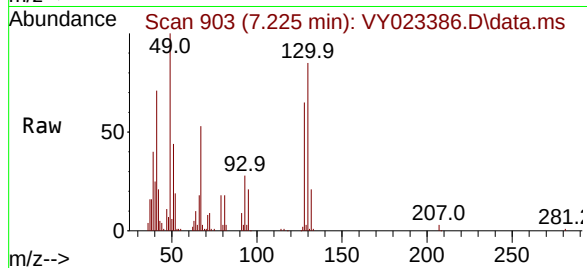
52 0.0 29.2 43.8#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 20.206 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023386.D

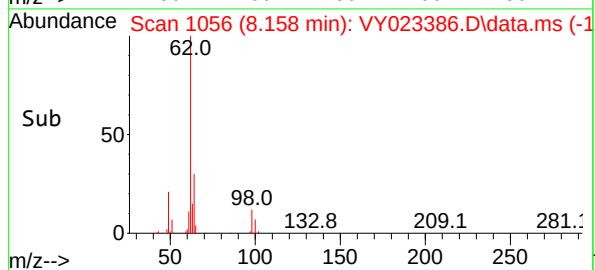
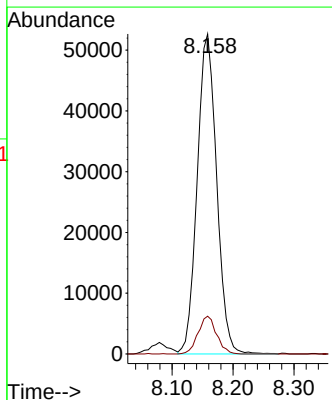
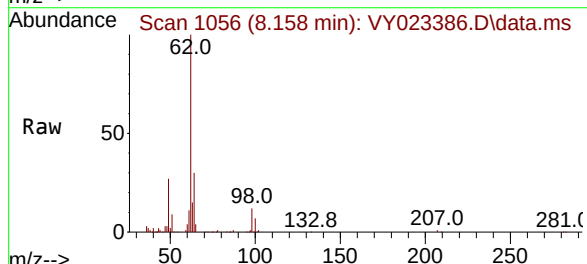
Acq: 07 Oct 2025 11:24

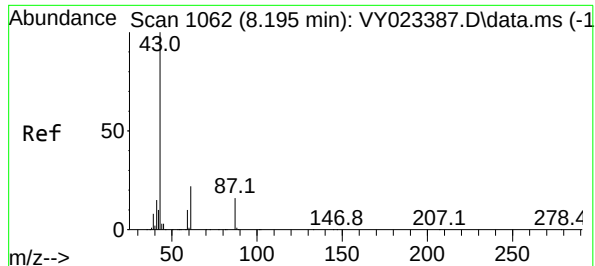
Tgt Ion: 62 Resp: 116941

Ion Ratio Lower Upper

62 100

98 11.2 0.0 21.6





#43

Isopropyl Acetate

Concen: 19.002 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

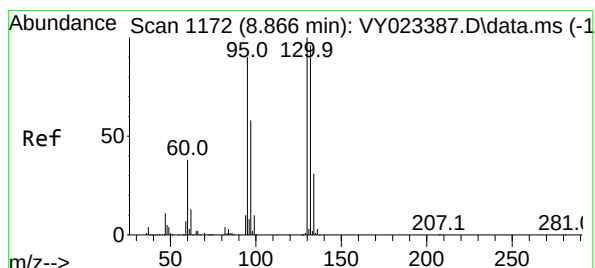
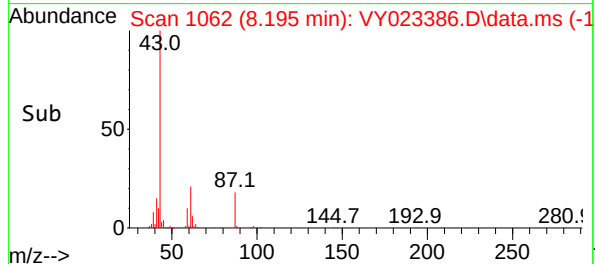
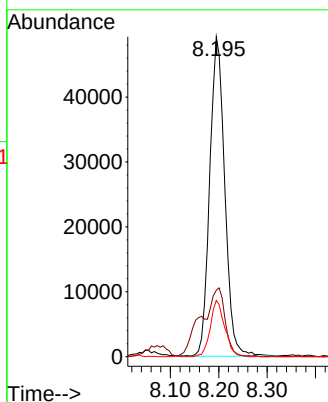
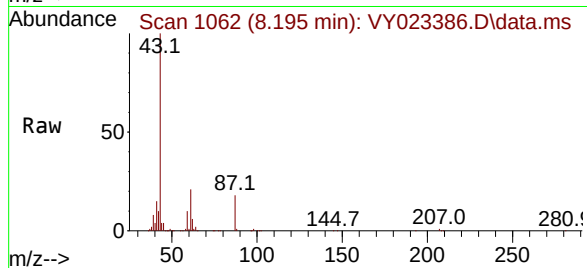
ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 106598
Ion Ratio Lower Upper
43 100
61 33.1 18.1 27.1
87 16.9 13.5 20.3

Manual Integrations
APPROVED

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



#44

Trichloroethene

Concen: 20.598 ug/l

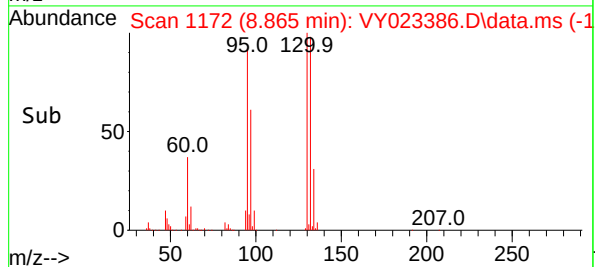
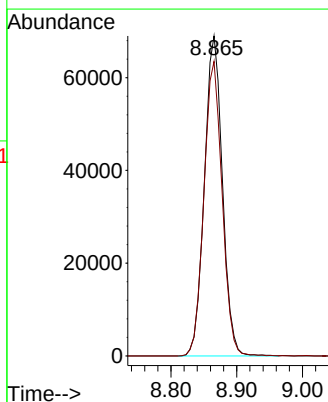
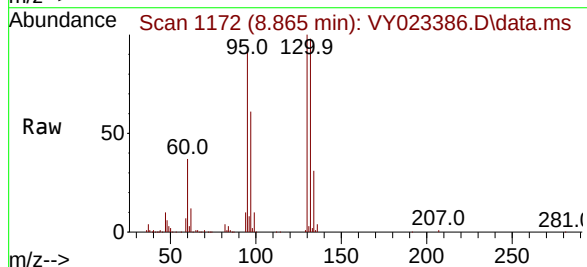
RT: 8.865 min Scan# 1172

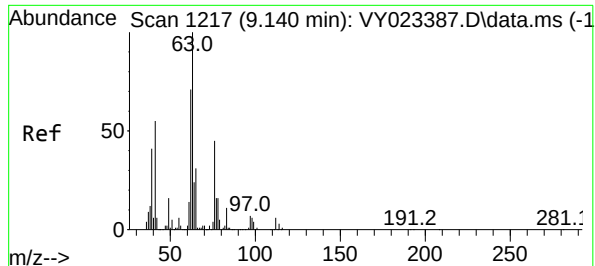
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:130 Resp: 131459
Ion Ratio Lower Upper
130 100
95 92.0 0.0 180.6





#45

1,2-Dichloropropane

Concen: 19.417 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 9936

Ion Ratio Lower Upper

63 100

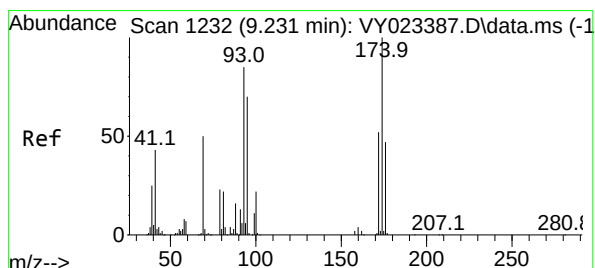
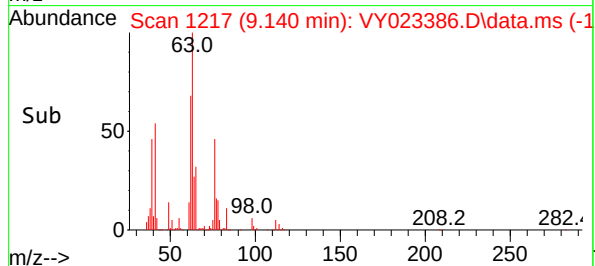
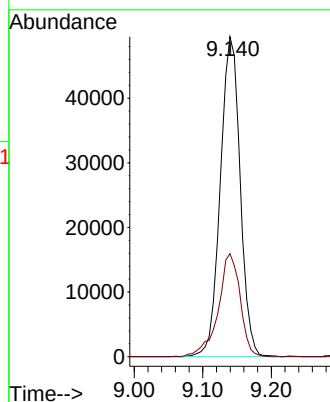
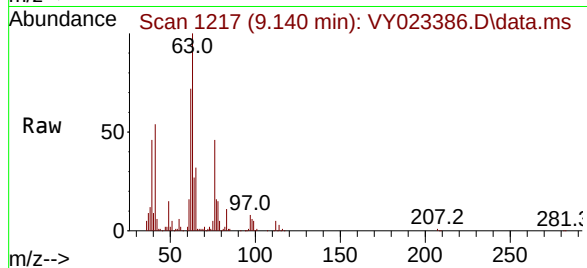
65 32.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 19.896 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

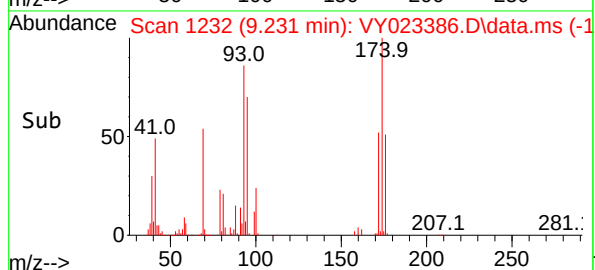
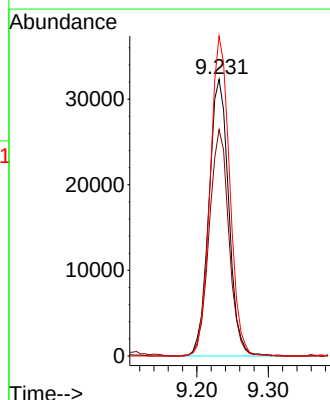
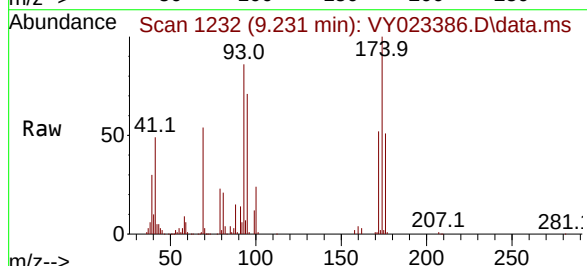
Tgt Ion: 93 Resp: 62277

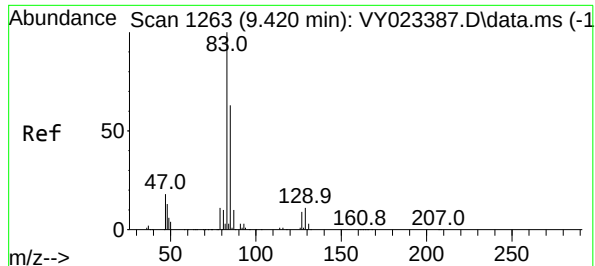
Ion Ratio Lower Upper

93 100

95 81.3 65.4 98.0

174 113.6 92.9 139.3





#47

Bromodichloromethane

Concen: 19.854 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

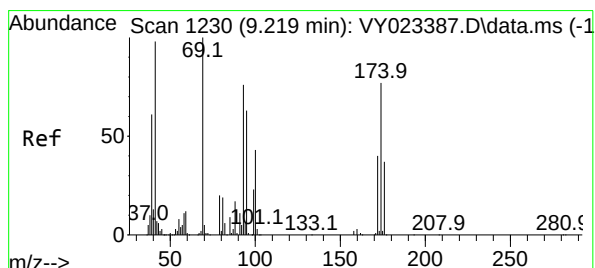
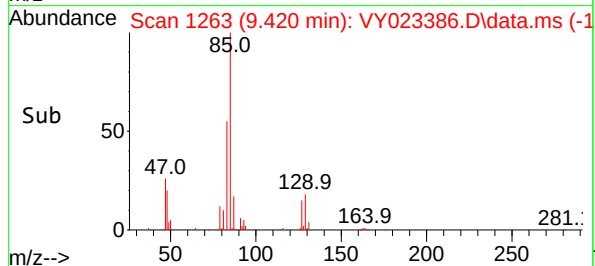
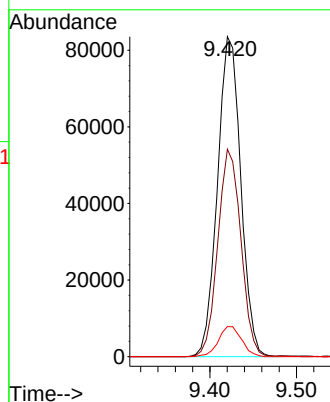
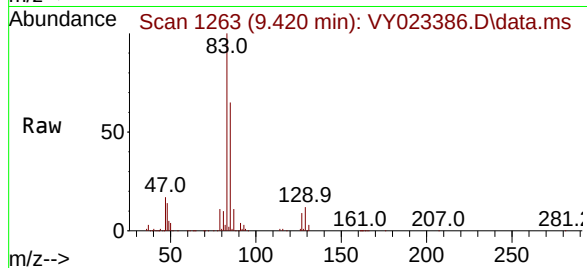
VSTDICC020

Tgt Ion:	83	Resp:	156420
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	9.4	7.4	11.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

Concen: 19.352 ug/l

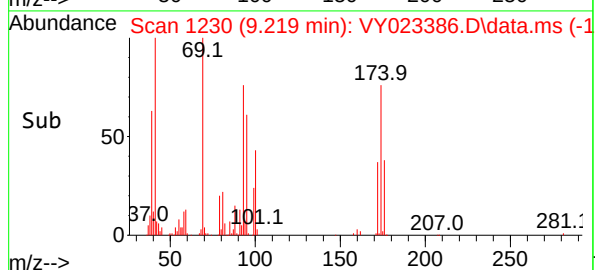
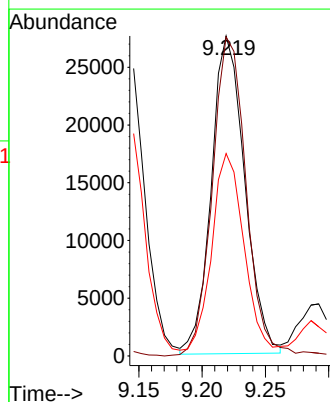
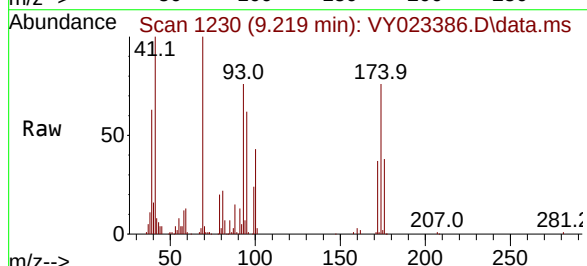
RT: 9.219 min Scan# 1230

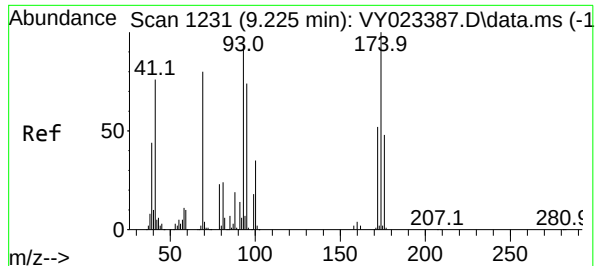
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:	41	Resp:	50661
Ion	Ratio	Lower	Upper
41	100		
69	102.0	81.0	121.4
39	58.8	48.2	72.4





#49

1,4-Dioxane

Concen: 420.712 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 13630

Ion Ratio Lower Upper

88 100

43 28.9 21.8 32.8

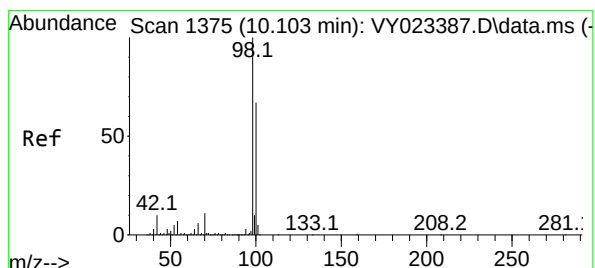
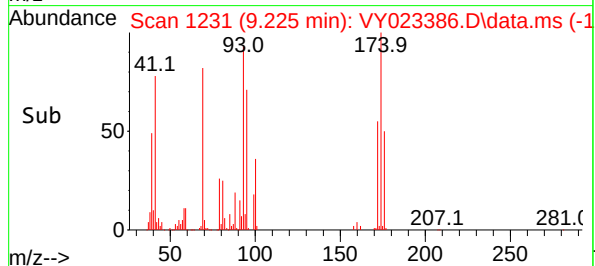
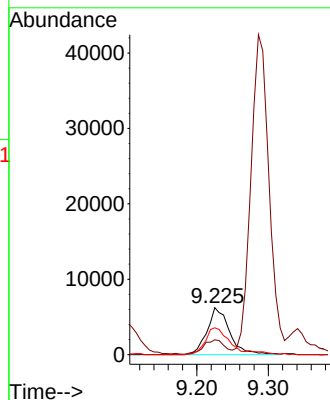
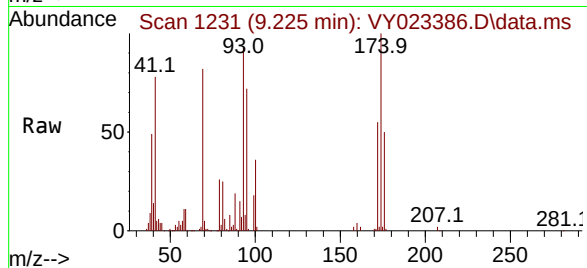
58 58.1 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 20.568 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023386.D

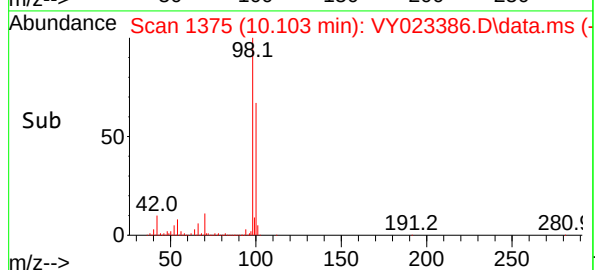
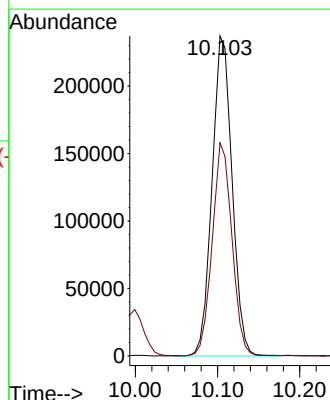
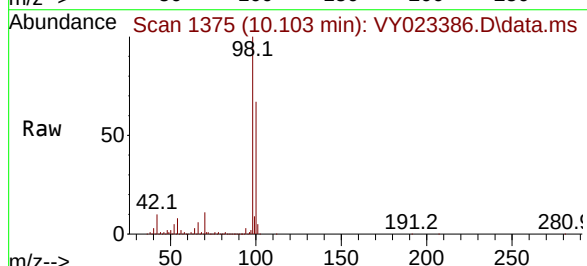
Acq: 07 Oct 2025 11:24

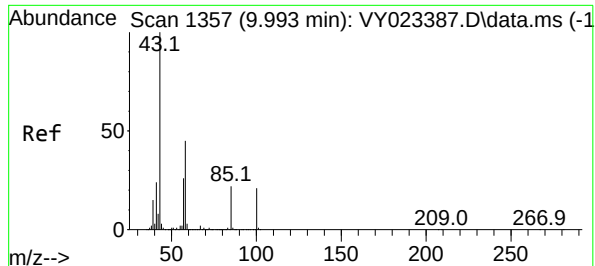
Tgt Ion: 98 Resp: 401067

Ion Ratio Lower Upper

98 100

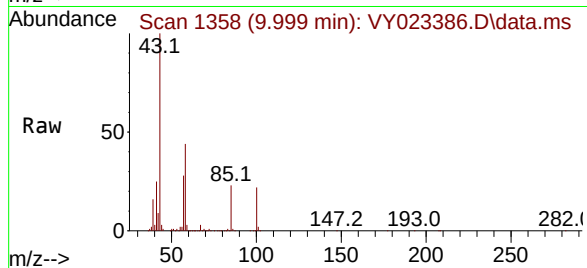
100 65.3 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 95.378 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

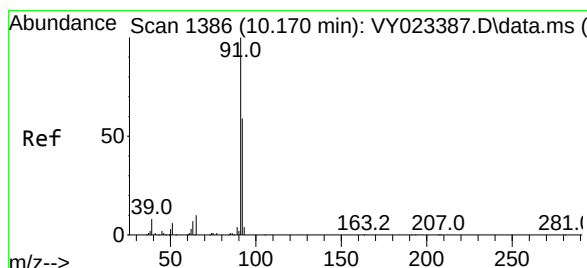
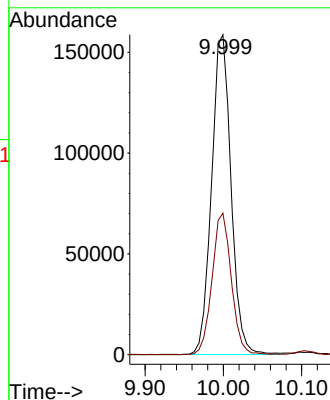
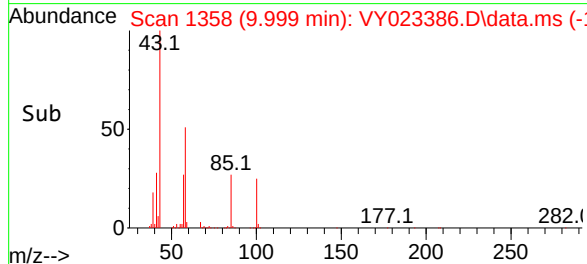
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 274059
Ion Ratio Lower Upper
43 100
58 43.8 35.3 52.9

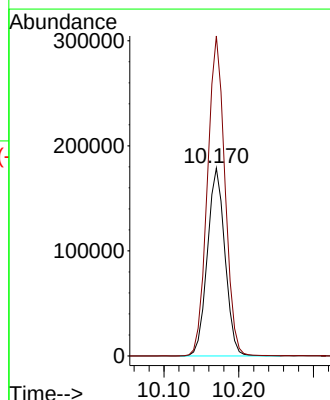
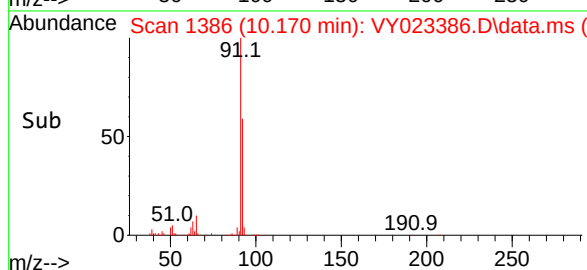
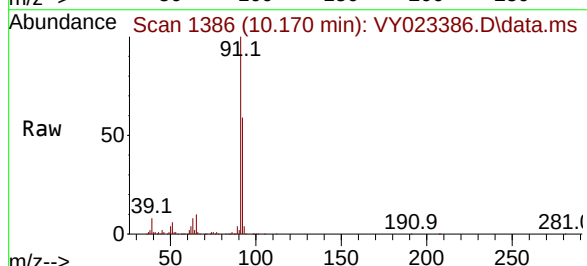
Manual Integrations
APPROVED

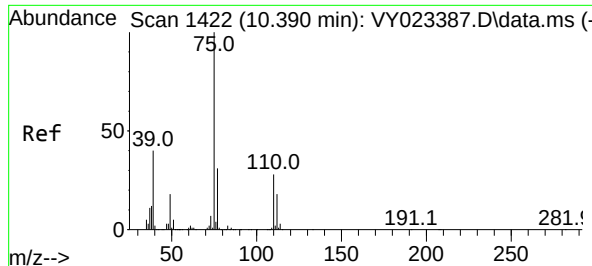
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Toluene
Concen: 20.191 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 92 Resp: 291453
Ion Ratio Lower Upper
92 100
91 170.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.632 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 13284

Ion Ratio Lower Upper

75 100

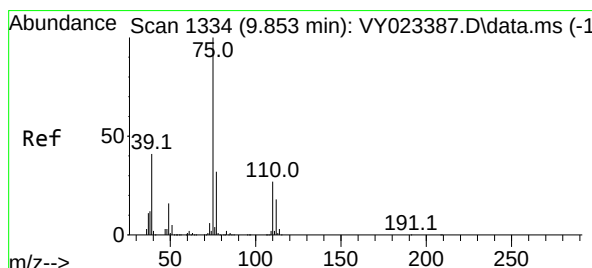
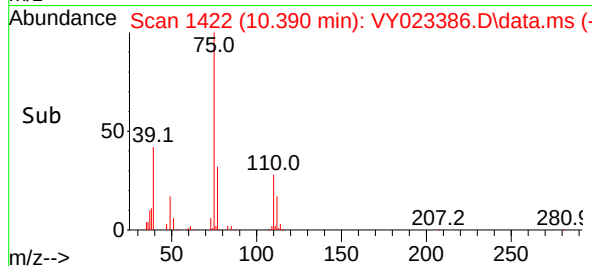
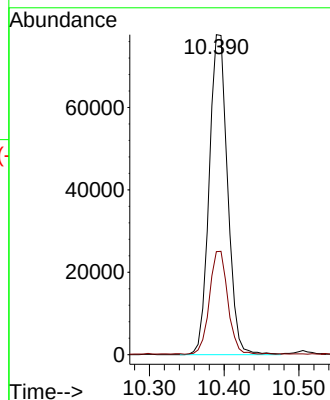
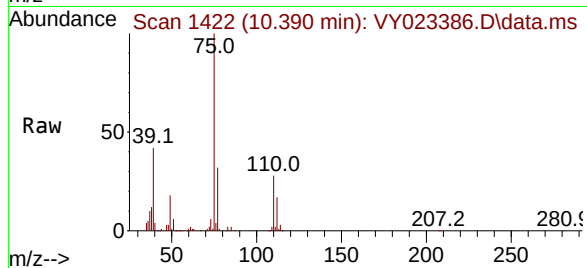
77 31.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#54

cis-1,3-Dichloropropene

Concen: 19.606 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

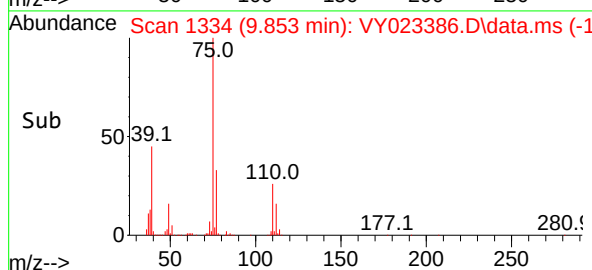
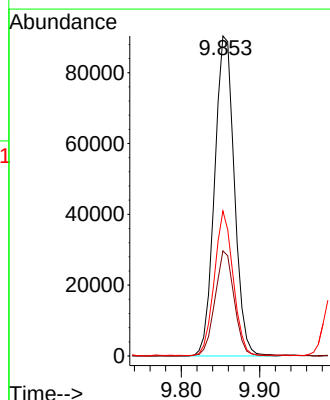
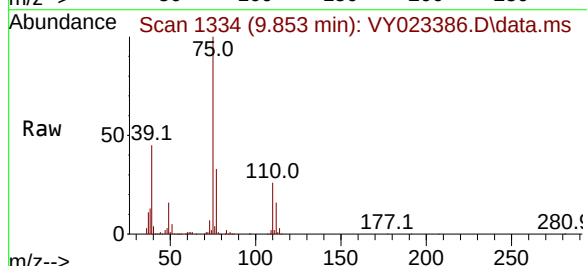
Tgt Ion: 75 Resp: 158580

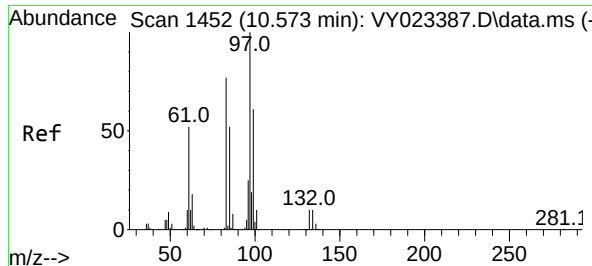
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 45.1 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 19.740 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 8218

Ion Ratio Lower Upper

97 100

83 80.9 61.8 92.6

85 54.8 41.3 61.9

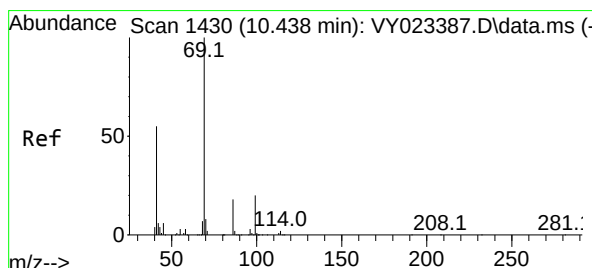
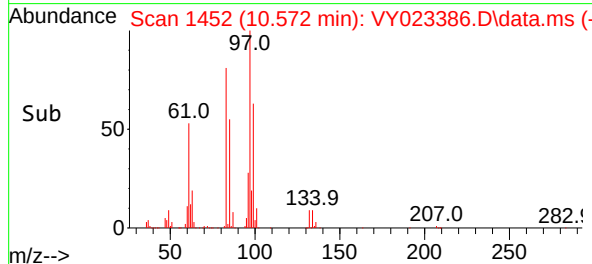
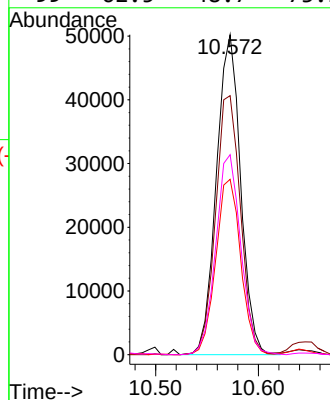
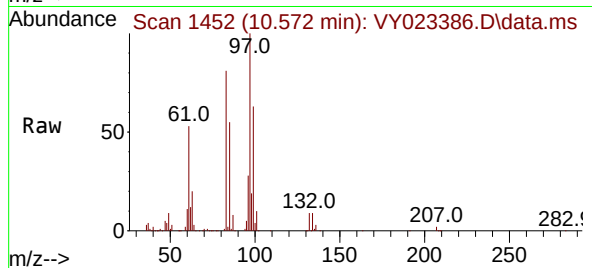
99 62.5 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 18.613 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

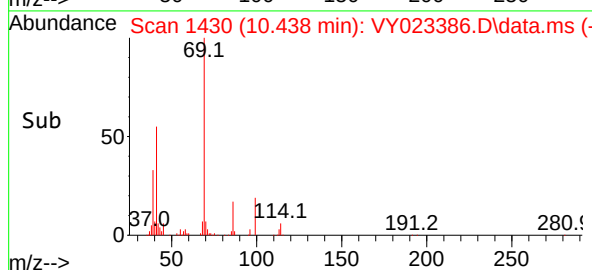
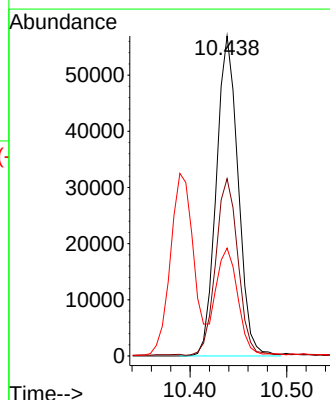
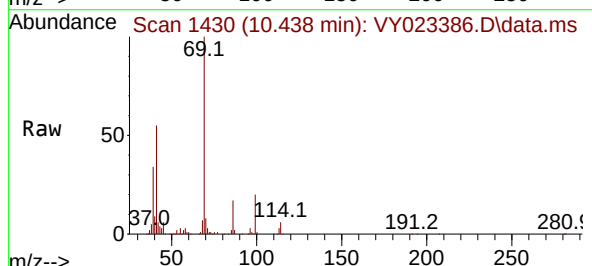
Tgt Ion: 69 Resp: 89244

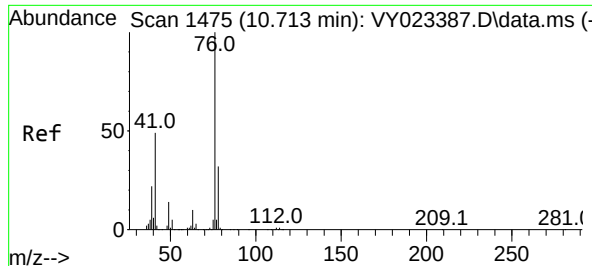
Ion Ratio Lower Upper

69 100

41 56.5 44.6 67.0

39 34.5 27.0 40.4





#57

1,3-Dichloropropane

Concen: 19.389 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 130650

Ion Ratio Lower Upper

76 100

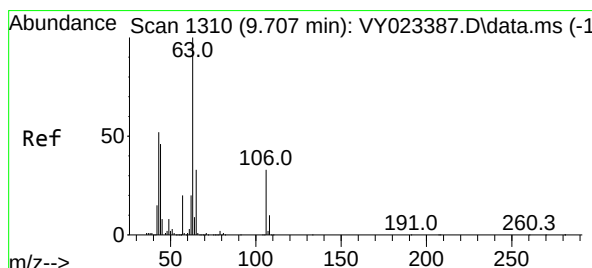
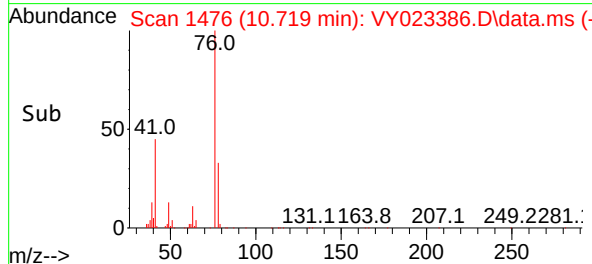
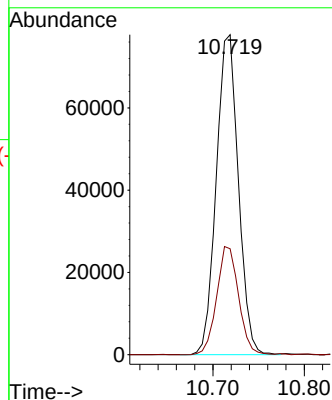
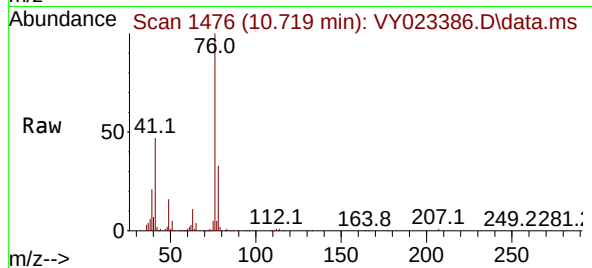
78 33.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 90.982 ug/l m

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023386.D

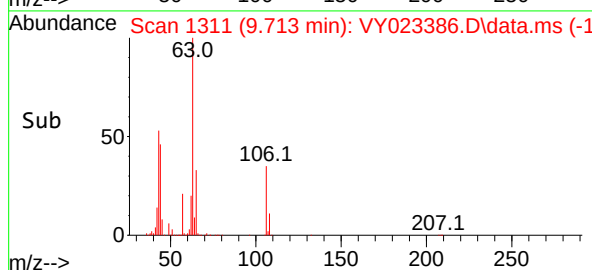
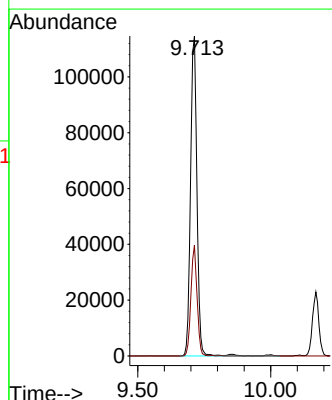
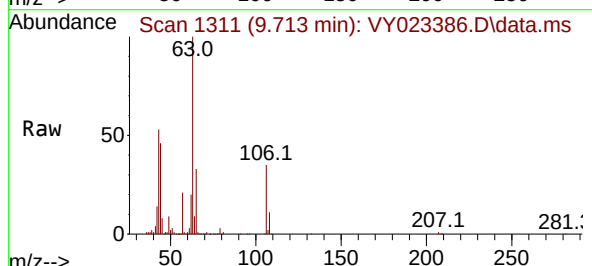
Acq: 07 Oct 2025 11:24

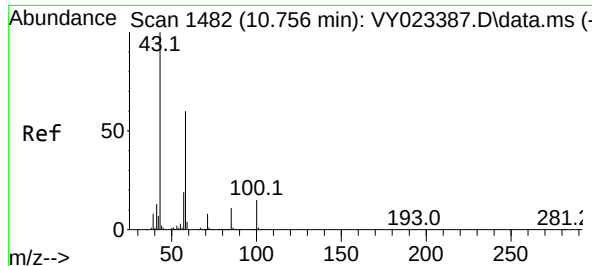
Tgt Ion: 63 Resp: 190850

Ion Ratio Lower Upper

63 100

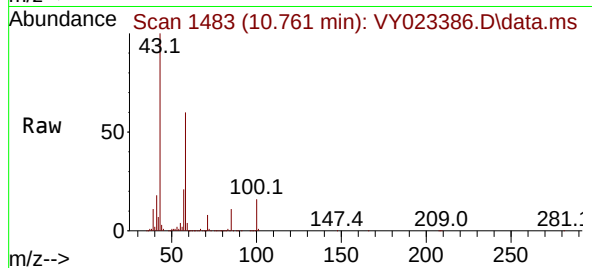
106 32.9 26.6 39.8





#59
2-Hexanone
Concen: 94.190 ug/l
RT: 10.761 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

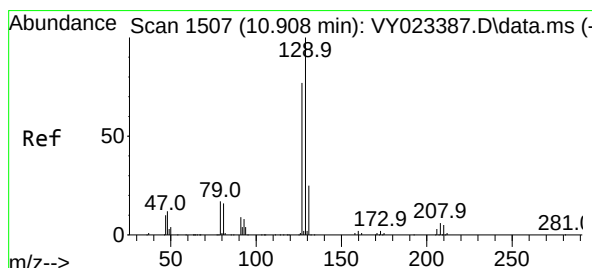
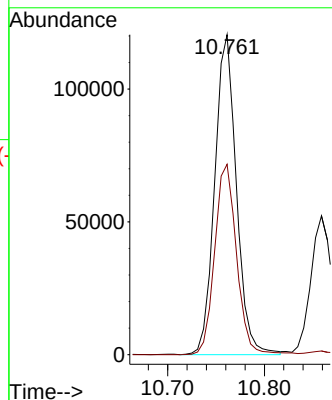
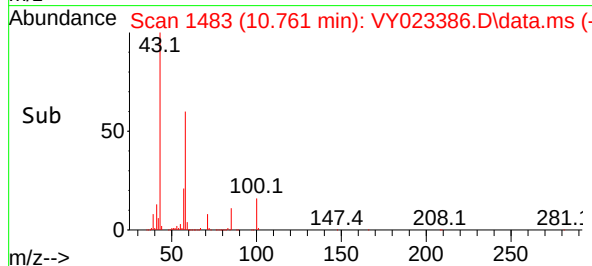
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



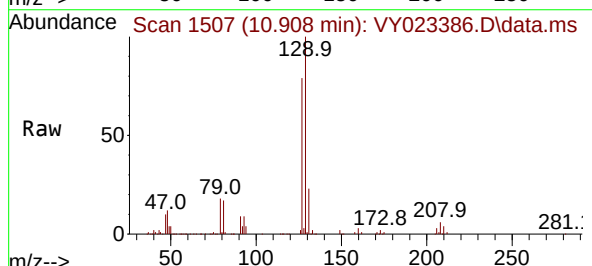
Tgt Ion: 43 Resp: 18738
Ion Ratio Lower Upper
43 100
58 60.2 30.5 91.5

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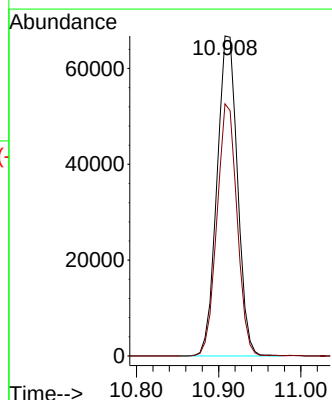
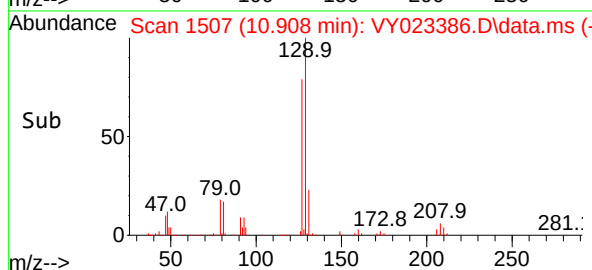
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

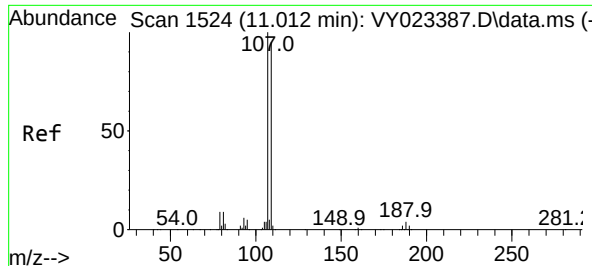


#60
Dibromochloromethane
Concen: 20.412 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24



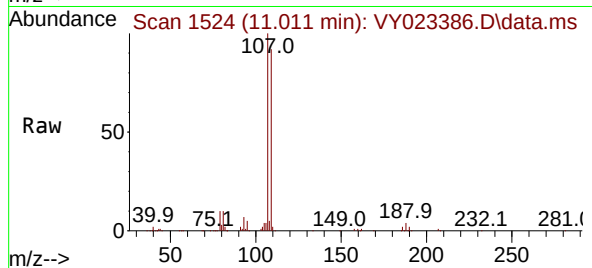
Tgt Ion:129 Resp: 115907
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.062 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

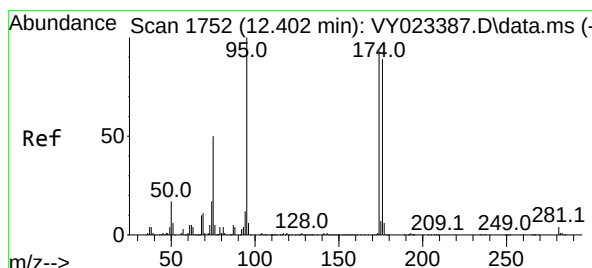
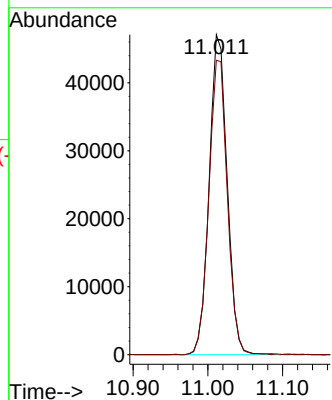
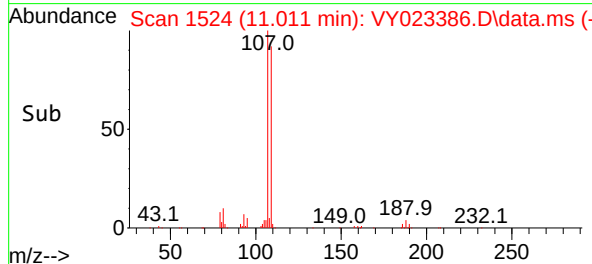
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:107 Resp: 78579
Ion Ratio Lower Upper
107 100
109 94.7 76.1 114.1

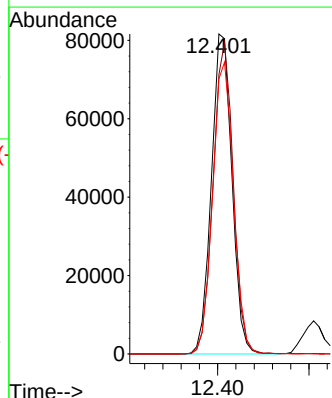
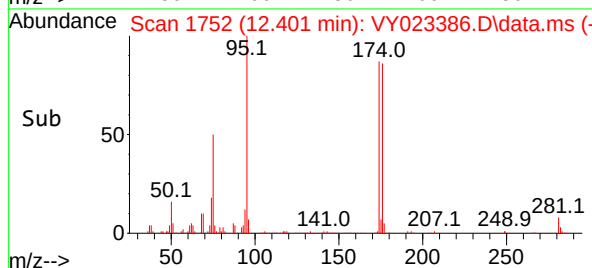
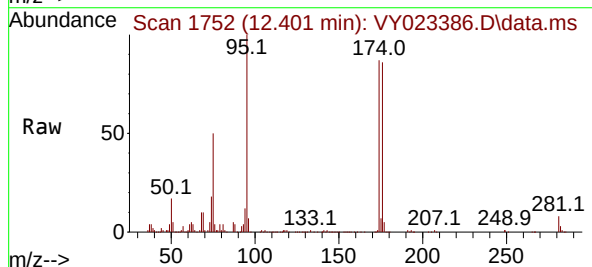
Manual Integrations
APPROVED

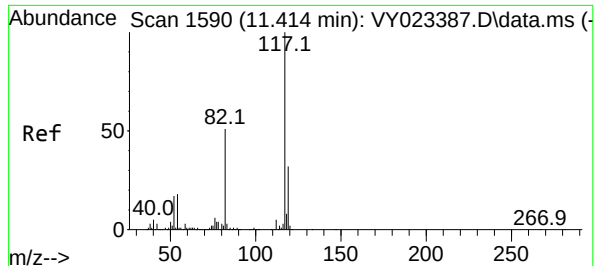
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
4-Bromofluorobenzene
Concen: 20.680 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 95 Resp: 127216
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 746872

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.4

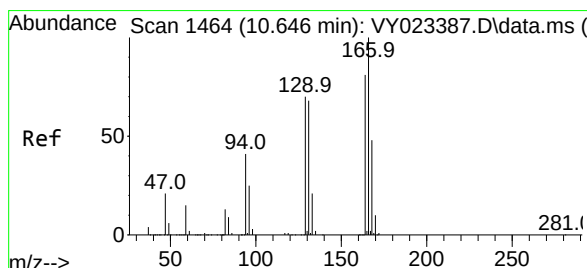
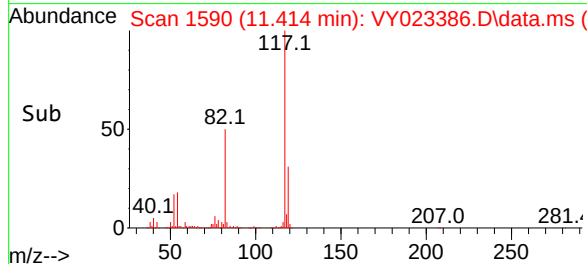
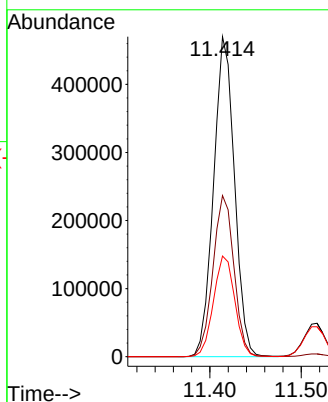
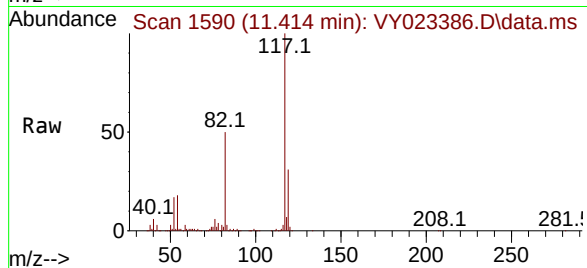
119 31.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#64

Tetrachloroethene

Concen: 22.438 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:164 Resp: 167648

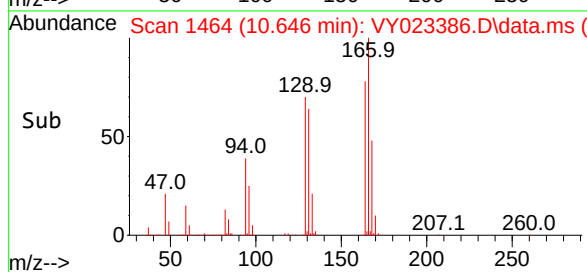
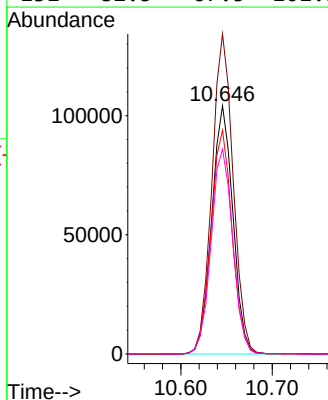
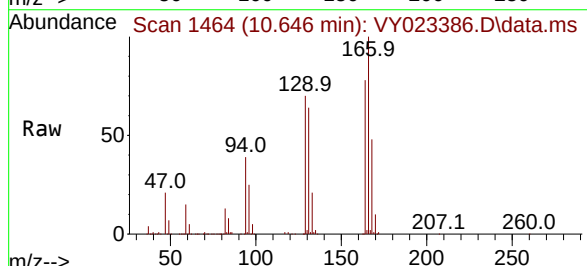
Ion Ratio Lower Upper

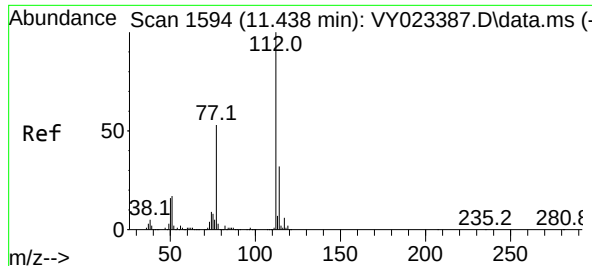
164 100

166 128.9 99.4 149.0

129 90.1 69.4 104.2

131 82.5 67.5 101.3





#65

Chlorobenzene

Concen: 20.109 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 326360

Ion Ratio Lower Upper

112 100

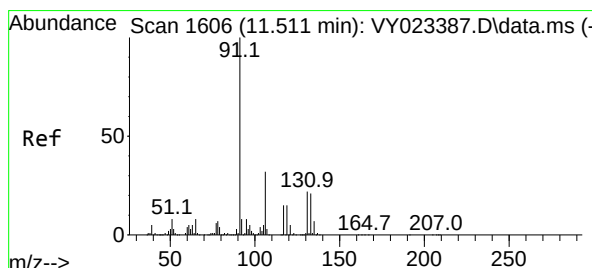
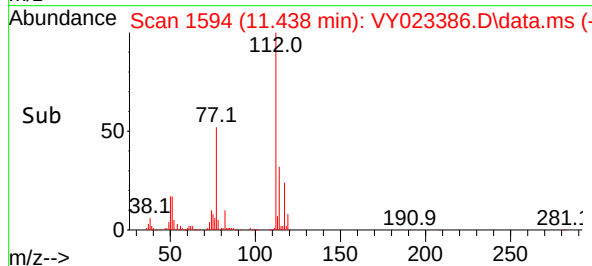
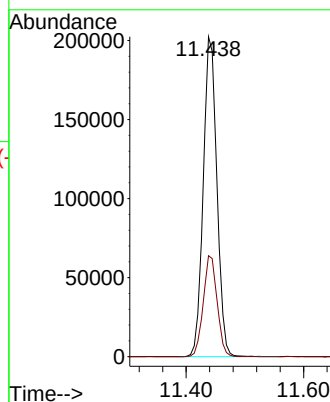
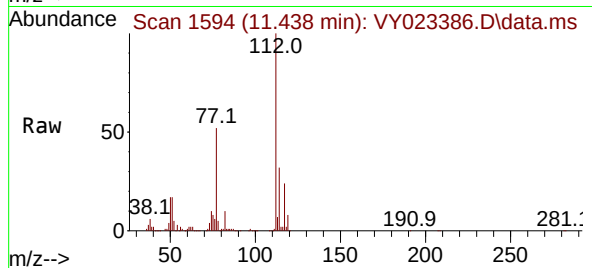
114 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.396 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

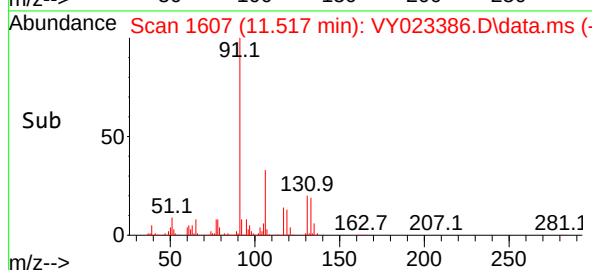
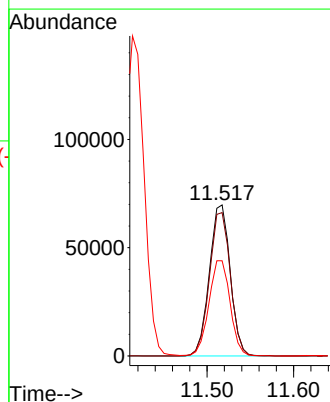
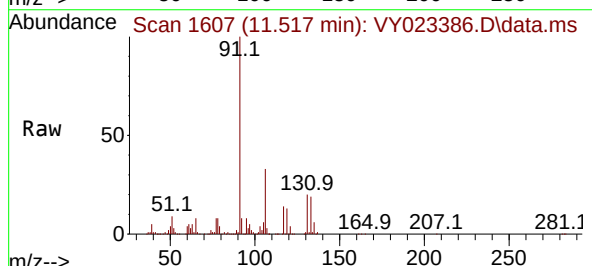
Tgt Ion:131 Resp: 116412

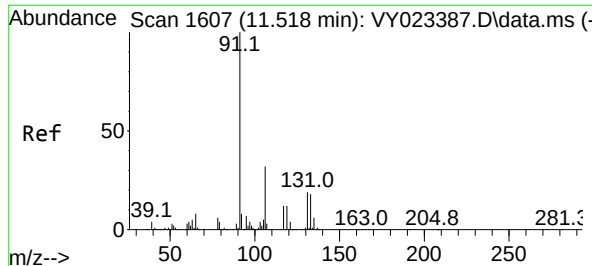
Ion Ratio Lower Upper

131 100

133 95.9 48.4 145.2

119 64.4 32.4 97.2





#67

Ethyl Benzene

Concen: 19.768 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 523600

Ion Ratio Lower Upper

91 100

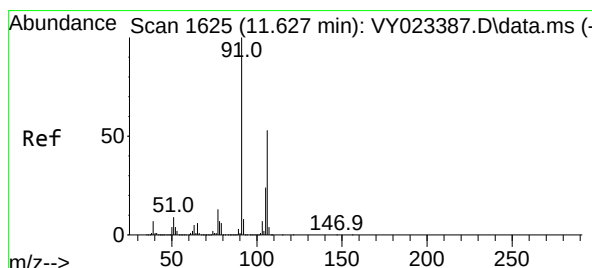
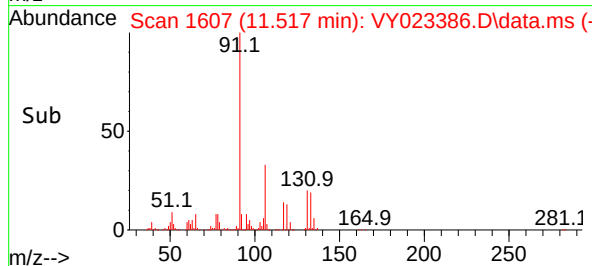
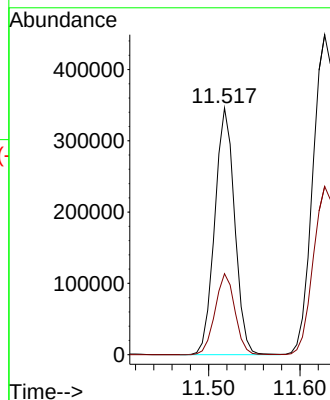
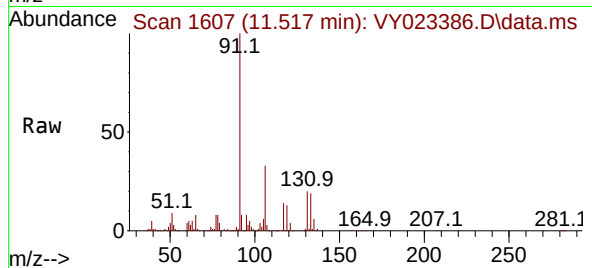
106 32.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 40.211 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023386.D

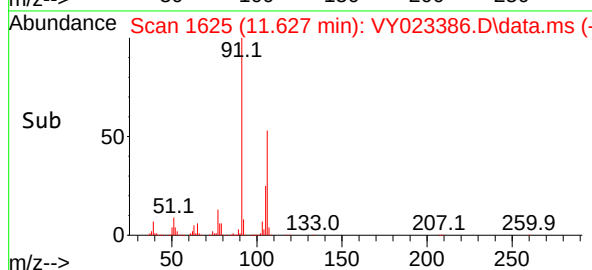
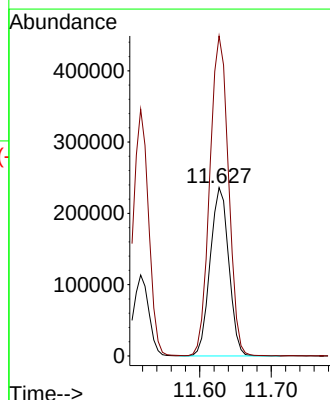
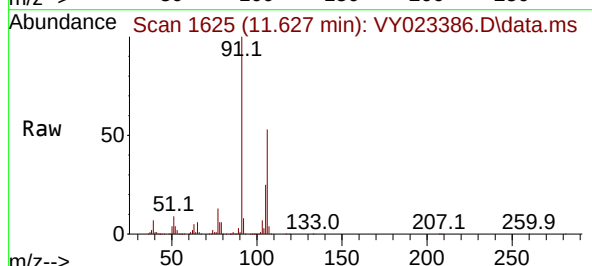
Acq: 07 Oct 2025 11:24

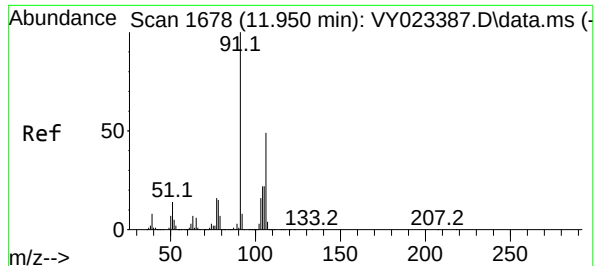
Tgt Ion:106 Resp: 426913

Ion Ratio Lower Upper

106 100

91 190.8 152.6 229.0





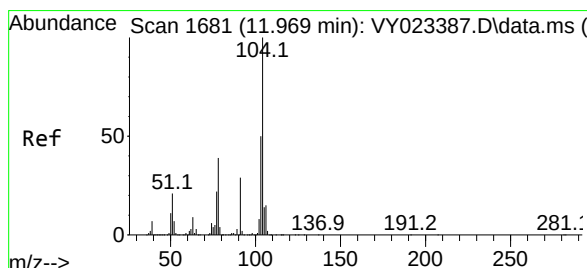
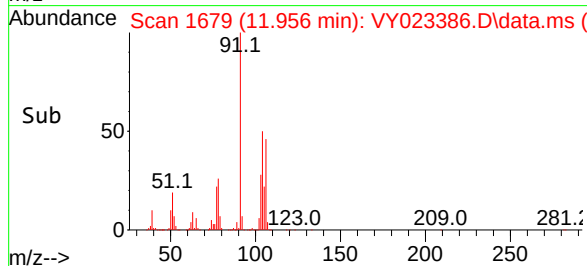
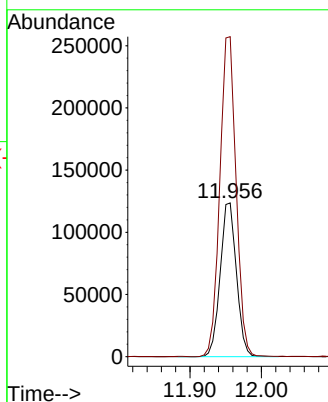
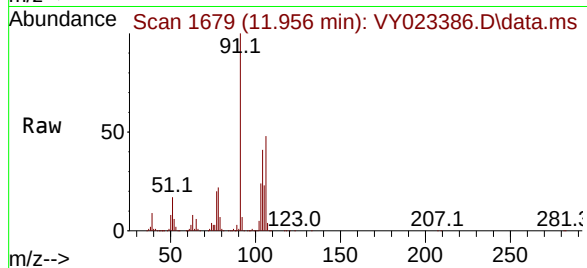
#69
o-Xylene
Concen: 19.843 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 19502
Ion Ratio Lower Upper
106 100
91 208.5 101.4 304.1

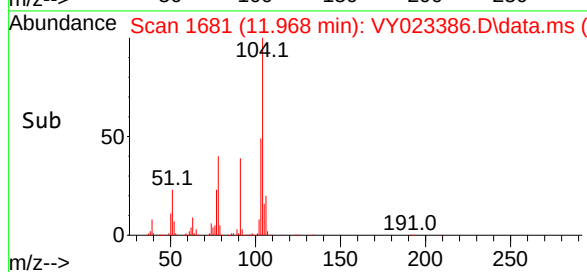
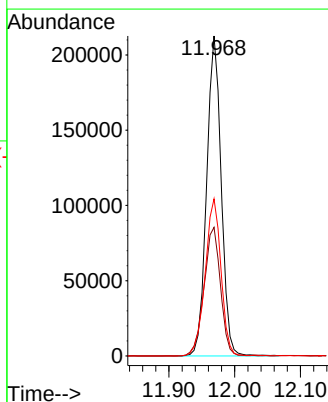
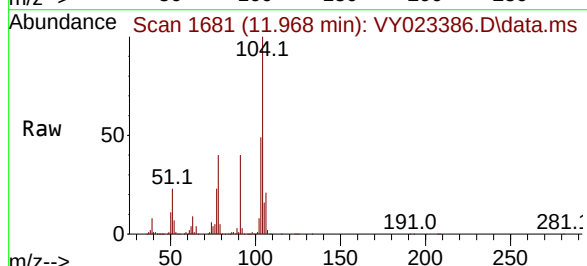
Manual Integrations
APPROVED

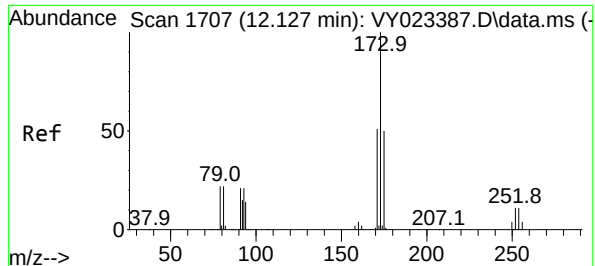
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
Styrene
Concen: 20.208 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

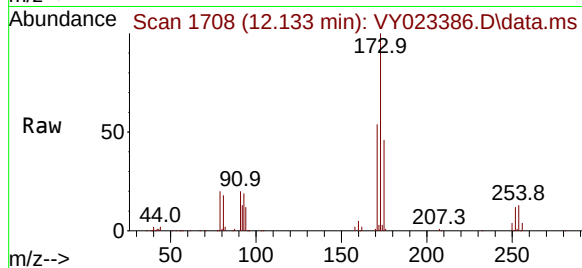
Tgt Ion:104 Resp: 327934
Ion Ratio Lower Upper
104 100
78 45.4 36.1 54.1
103 53.3 43.2 64.8





#71
Bromoform
Concen: 20.814 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

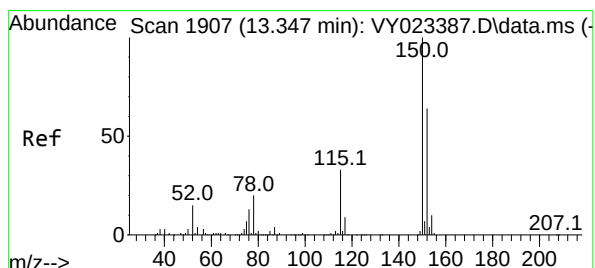
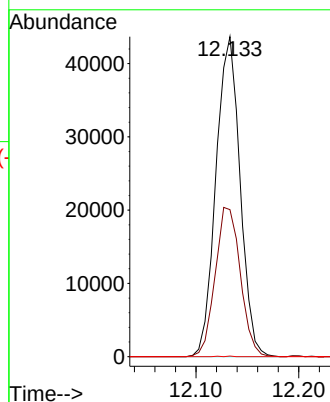
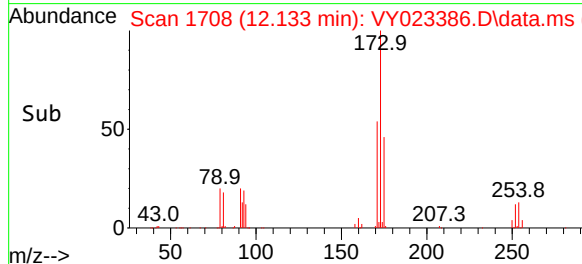
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



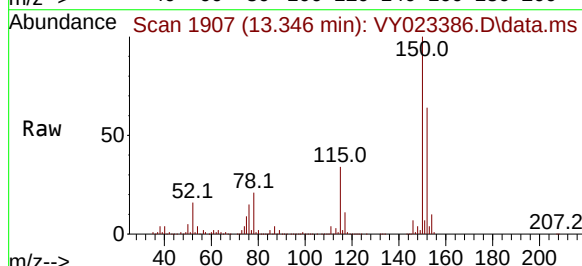
Tgt Ion:173 Resp: 71119
Ion Ratio Lower Upper
173 100
175 48.7 24.8 74.3
254 0.0 0.1 0.1

Manual Integrations
APPROVED

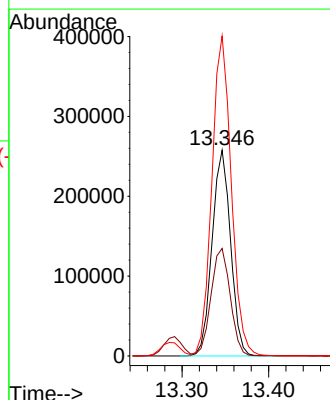
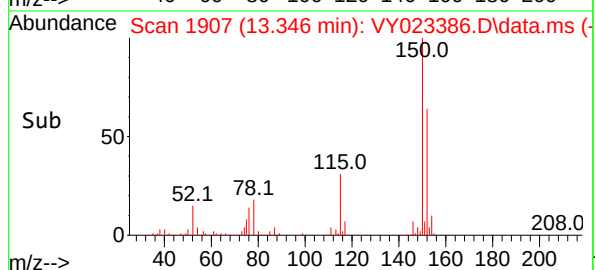
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

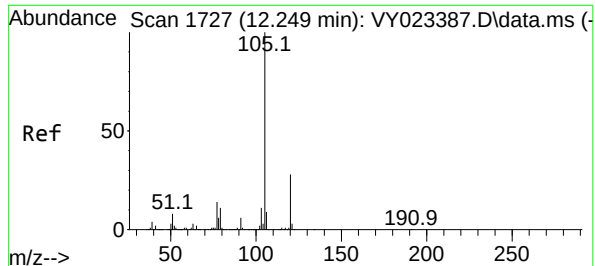


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24



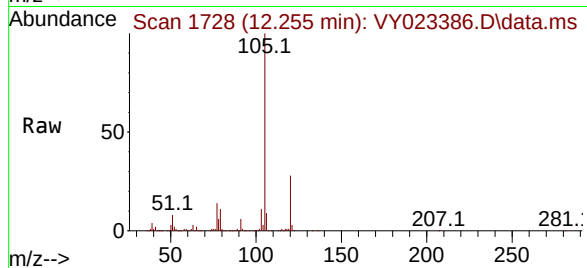
Tgt Ion:152 Resp: 382604
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.2
150 163.2 0.0 347.4





#73
Isopropylbenzene
Concen: 20.136 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

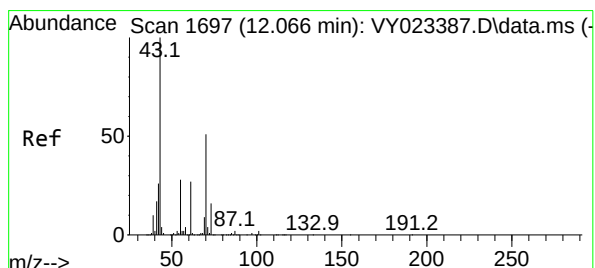
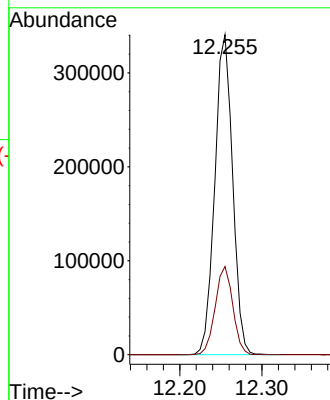
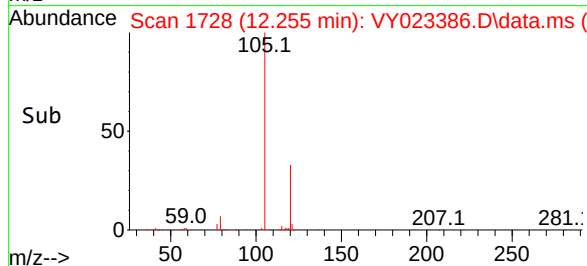
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 51318
Ion Ratio Lower Upper
105 100
120 27.2 13.9 41.7

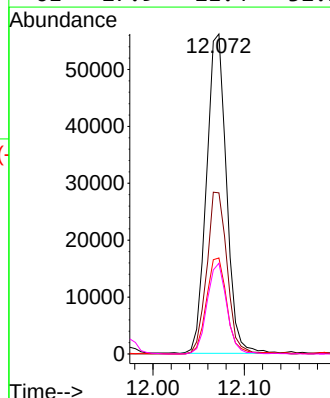
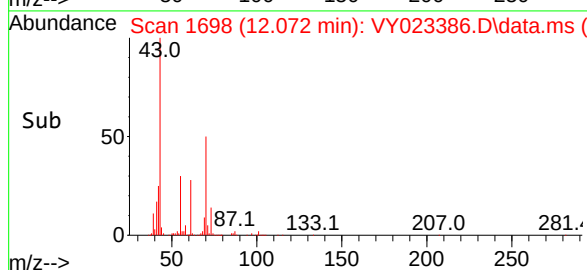
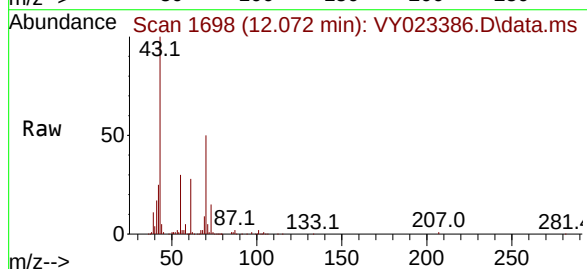
Manual Integrations
APPROVED

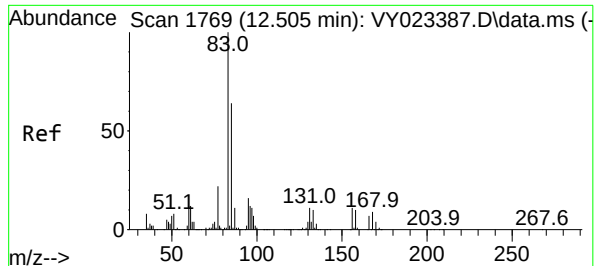
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 17.860 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 85063
Ion Ratio Lower Upper
43 100
70 51.8 41.1 61.7
55 30.6 23.0 34.6
61 27.9 21.4 32.2





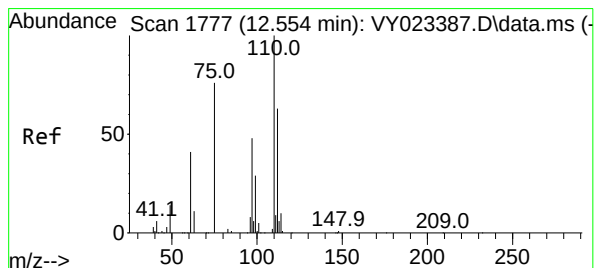
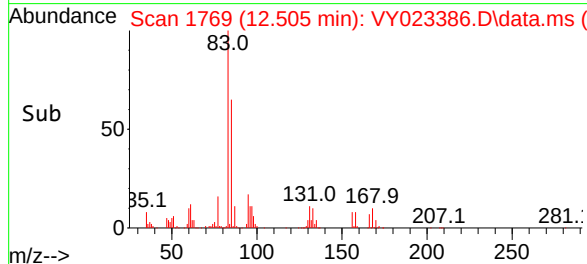
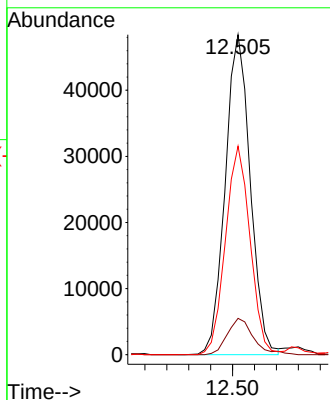
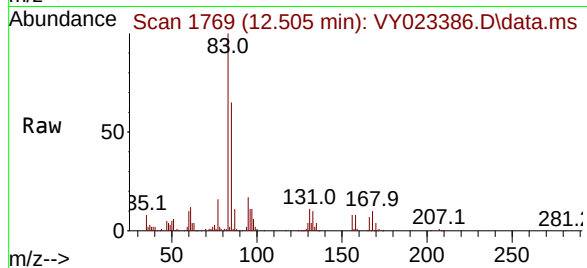
#75
1,1,2,2-Tetrachloroethane
Concen: 18.069 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 7682
Ion Ratio Lower Upper
83 100
131 11.8 5.9 17.6
85 64.1 31.8 95.3

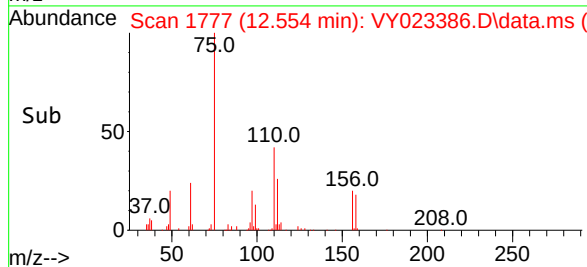
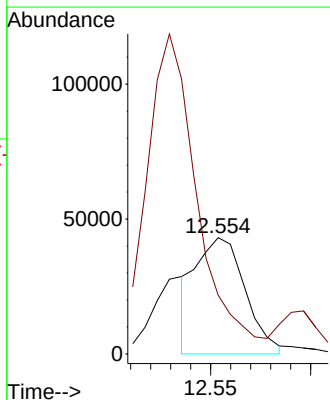
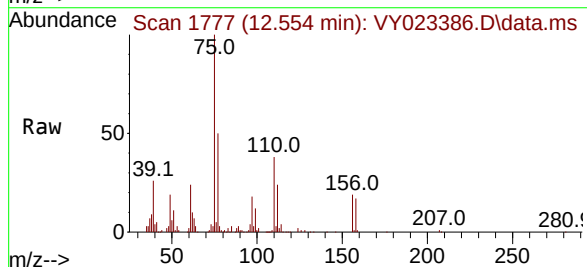
Manual Integrations
APPROVED

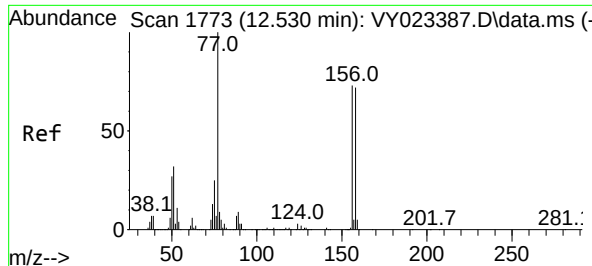
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 19.634 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 74100
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





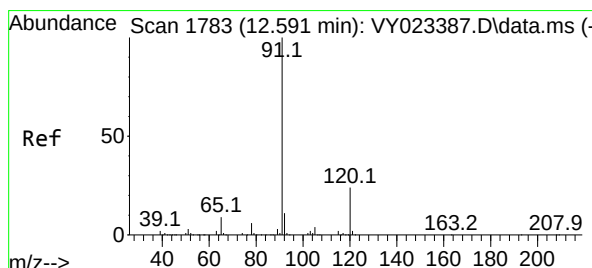
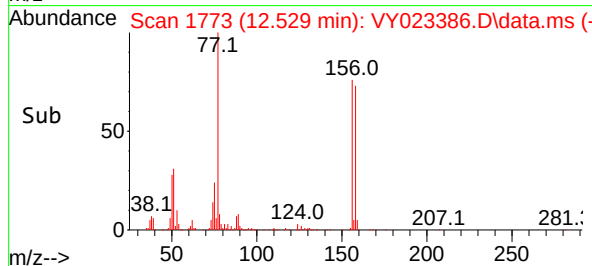
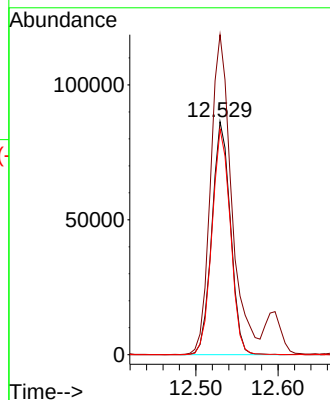
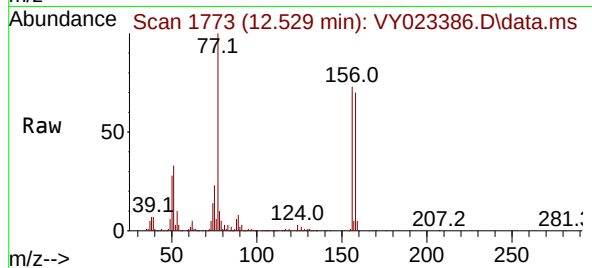
#77
Bromobenzene
Concen: 20.700 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 135402
Ion Ratio Lower Upper
156 100
77 156.2 76.8 230.5
158 96.1 49.0 147.2

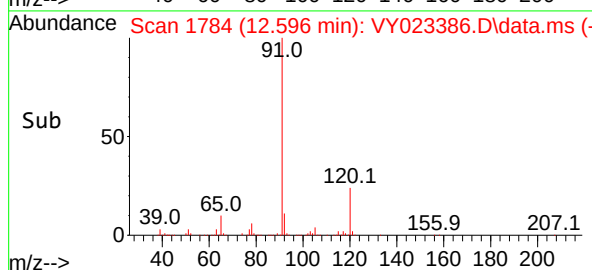
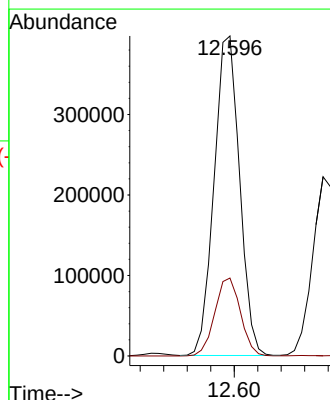
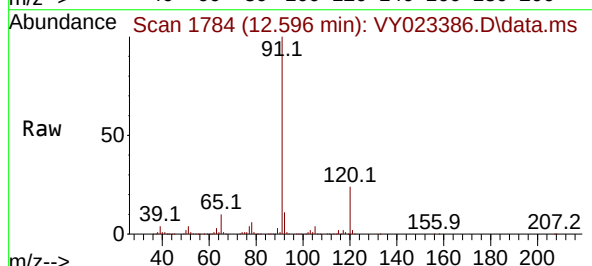
Manual Integrations
APPROVED

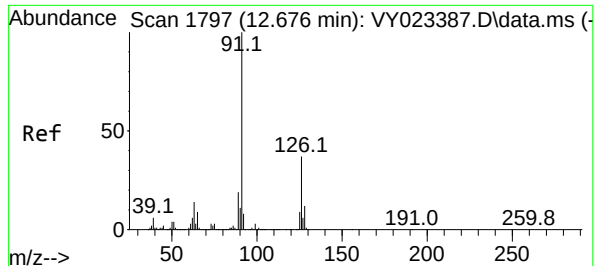
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 19.945 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 597829
Ion Ratio Lower Upper
91 100
120 24.6 12.3 36.8





#79

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 34920

Ion Ratio Lower Upper

91 100

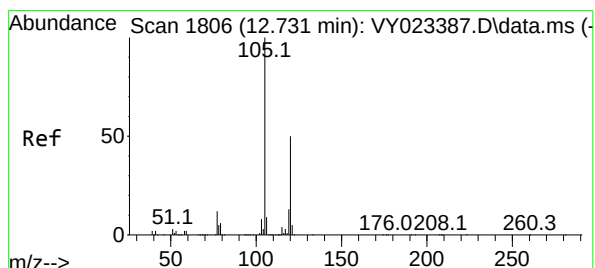
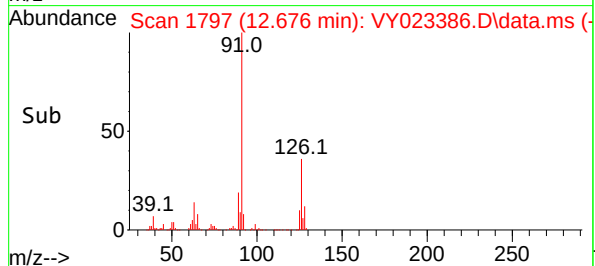
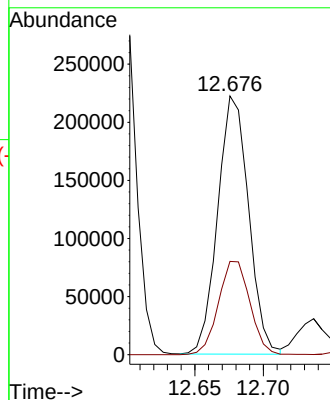
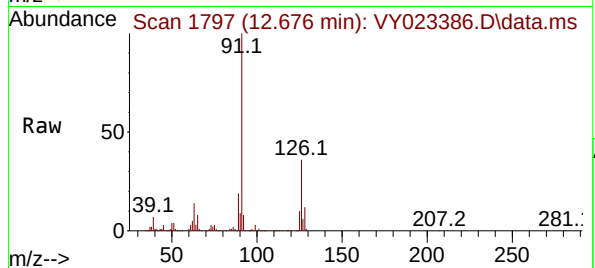
126 36.8 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.208 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023386.D

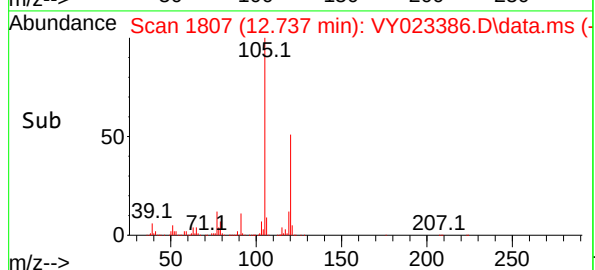
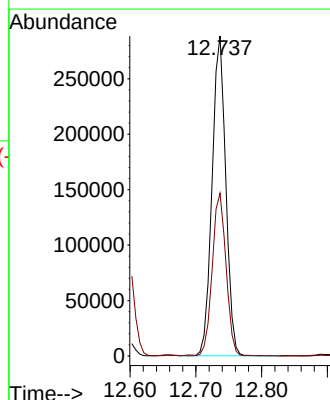
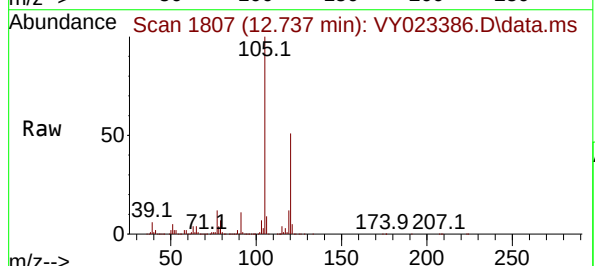
Acq: 07 Oct 2025 11:24

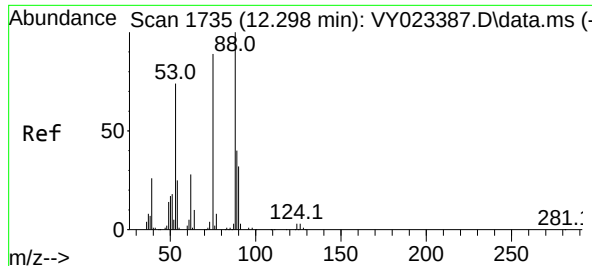
Tgt Ion:105 Resp: 418684

Ion Ratio Lower Upper

105 100

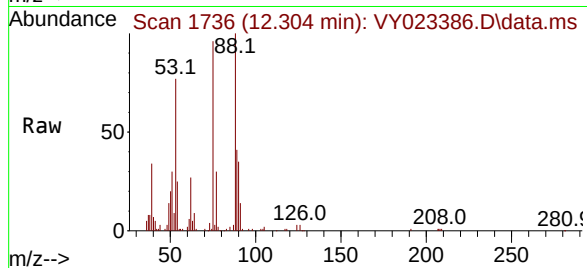
120 51.1 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.234 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

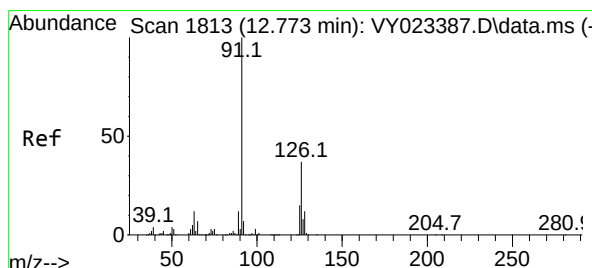
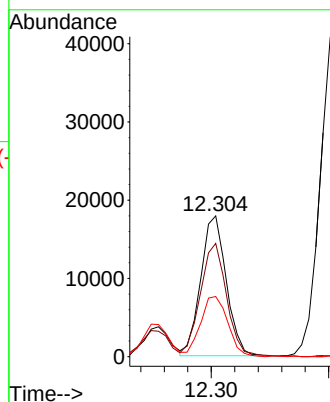
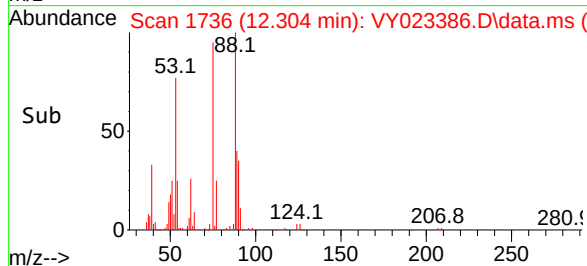
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 2692
Ion Ratio Lower Upper
75 100
53 84.4 68.6 102.8
89 46.4 39.0 58.4

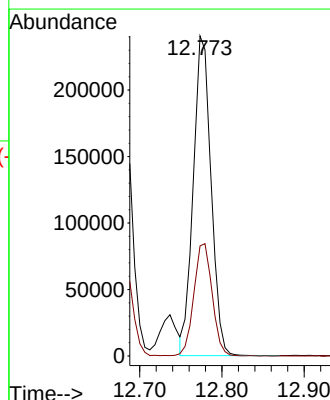
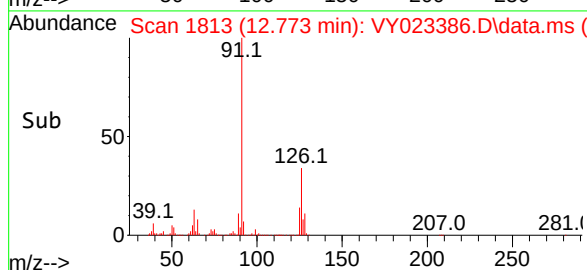
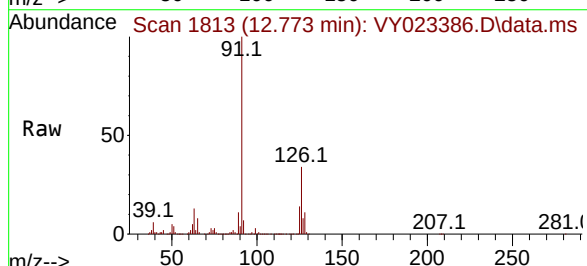
Manual Integrations
APPROVED

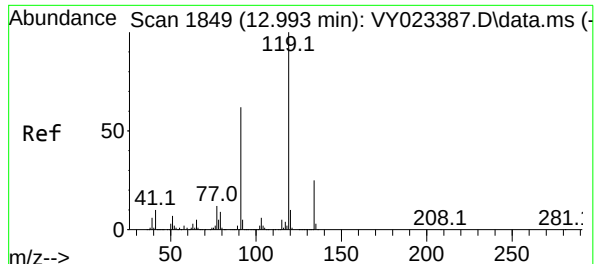
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 361458
Ion Ratio Lower Upper
91 100
126 36.1 18.4 55.4





#83

tert-Butylbenzene

Concen: 19.983 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

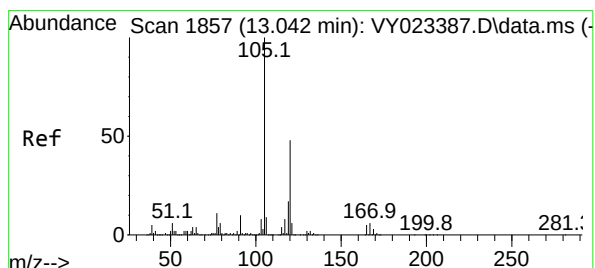
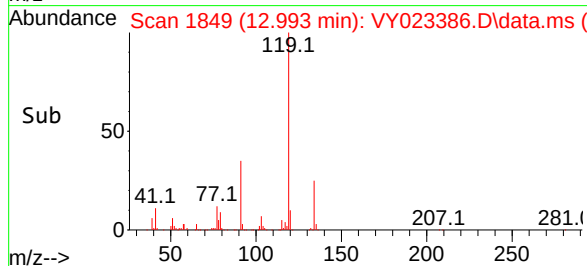
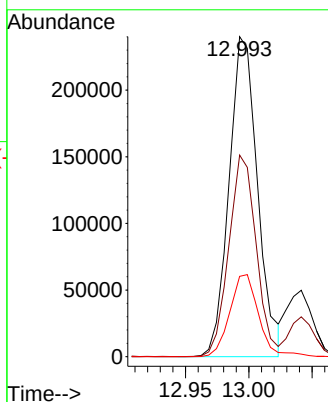
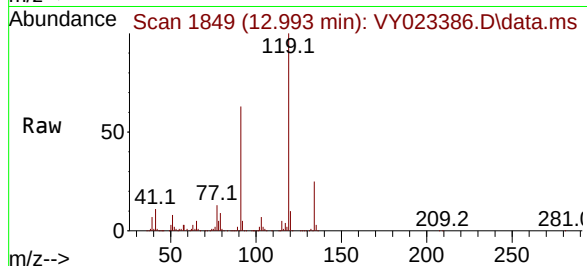
VSTDIC020

Tgt Ion:119	Resp: 37727
Ion Ratio	Lower Upper
119 100	
91 60.4	29.9 89.8
134 26.1	12.9 38.7

Manual Integrations

APPROVED

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



#84

1,2,4-Trimethylbenzene

Concen: 20.162 ug/l

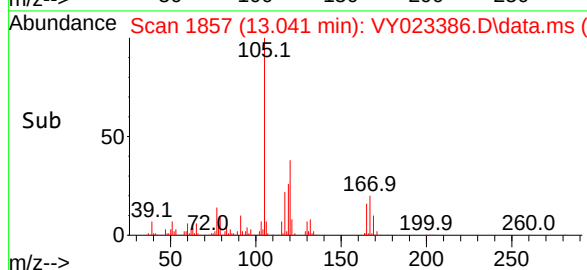
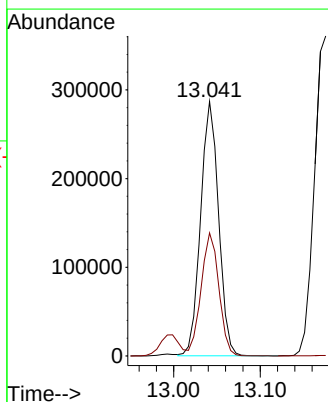
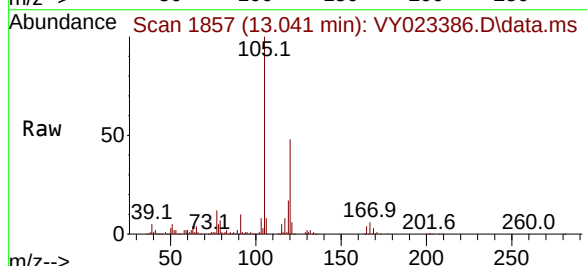
RT: 13.041 min Scan# 1857

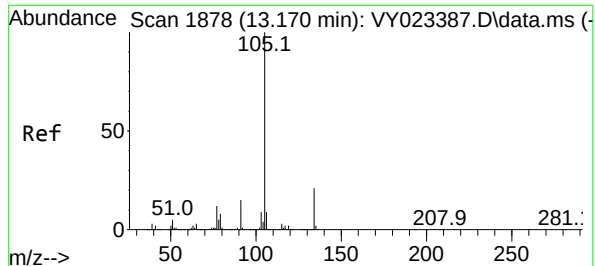
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:105	Resp: 413292
Ion Ratio	Lower Upper
105 100	
120 47.6	23.8 71.2





#85

sec-Butylbenzene

Concen: 19.990 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 54658

Ion Ratio Lower Upper

105 100

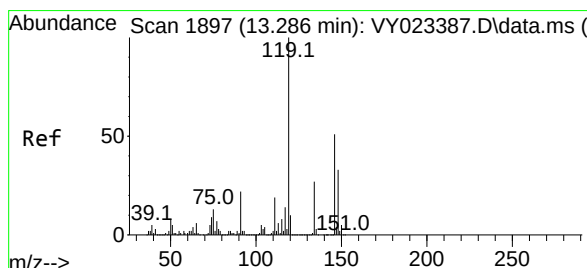
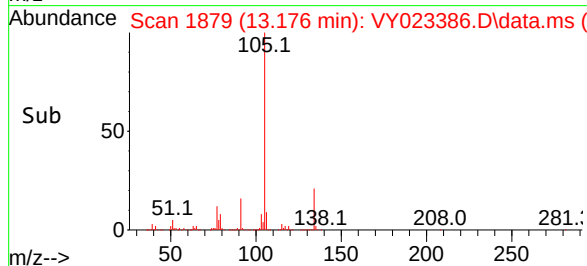
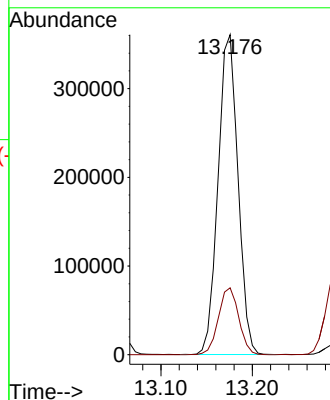
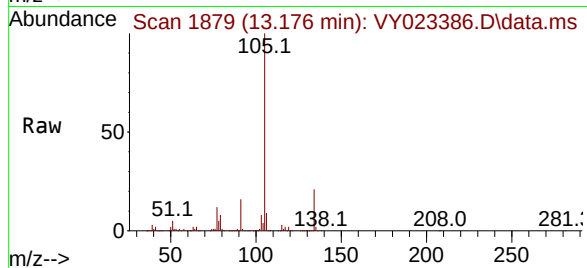
134 21.3 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 20.081 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

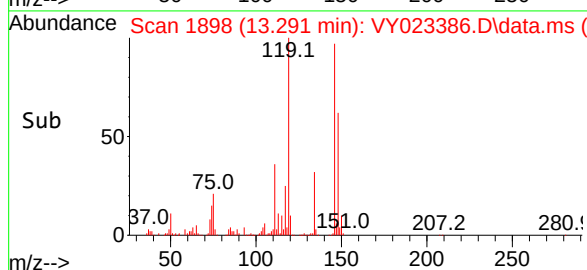
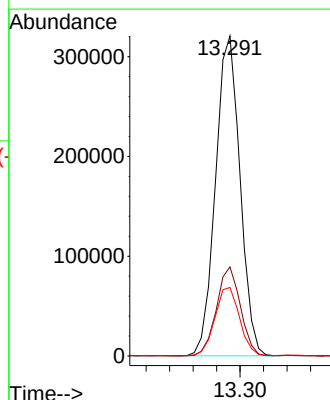
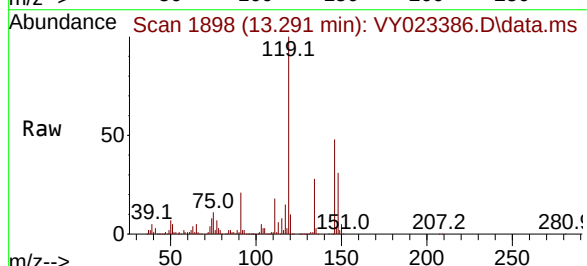
Tgt Ion:119 Resp: 464005

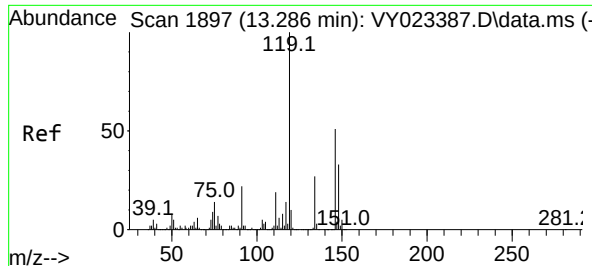
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.347 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

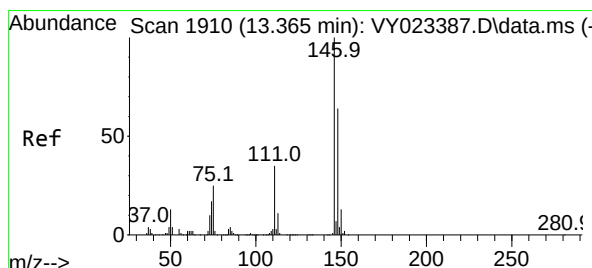
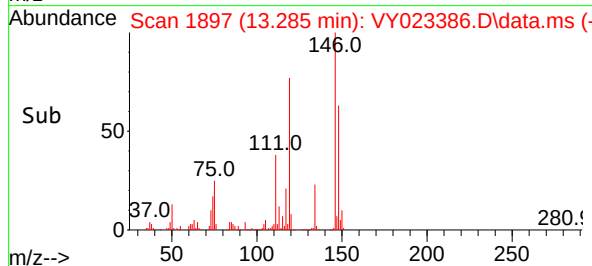
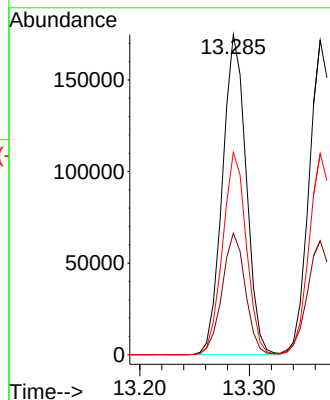
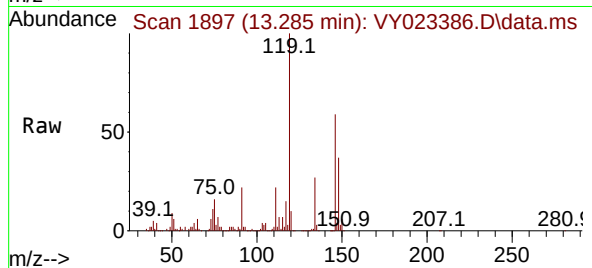
VSTDICC020

Tgt Ion:	146	Resp:	26290
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.7	56.1
148	63.1	31.9	95.9

Manual Integrations

APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 20.230 ug/l

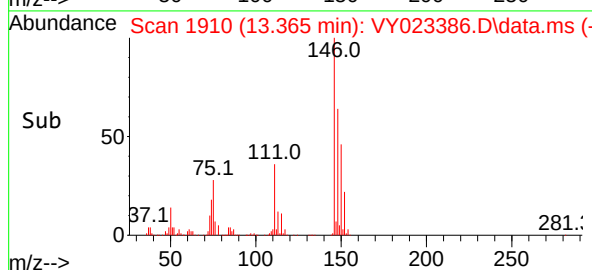
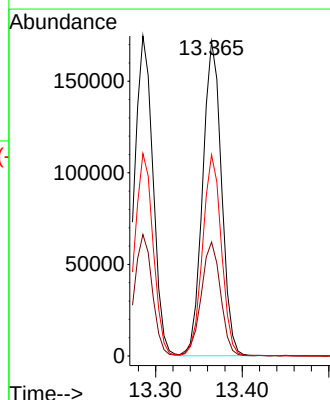
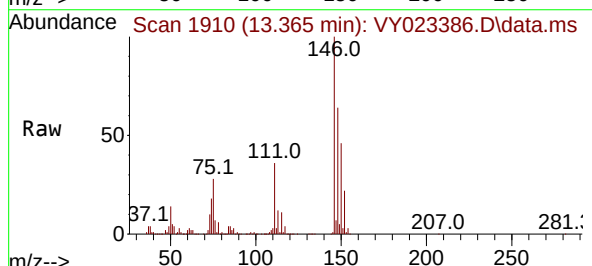
RT: 13.365 min Scan# 1910

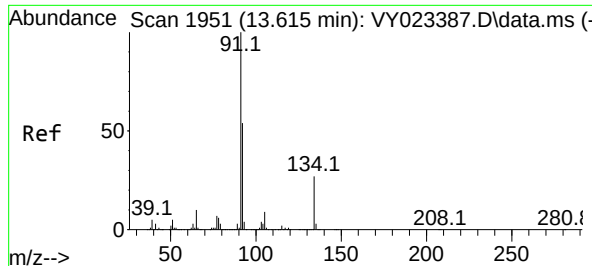
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:	146	Resp:	259217
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.0	54.0
148	63.6	31.9	95.7





#89

n-Butylbenzene

Concen: 19.697 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

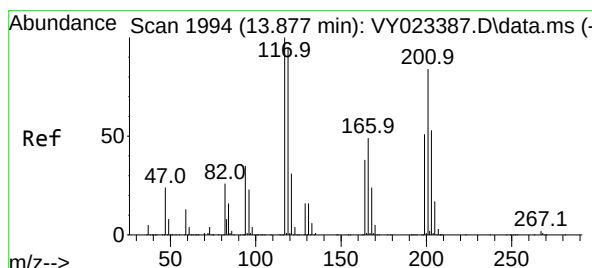
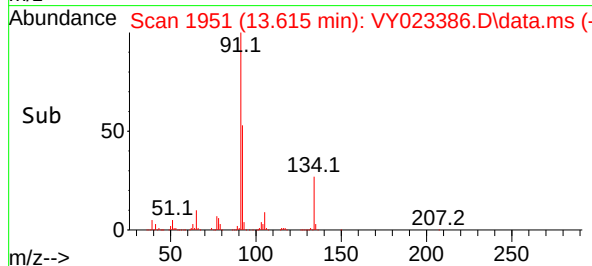
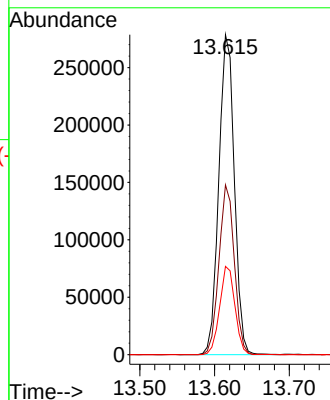
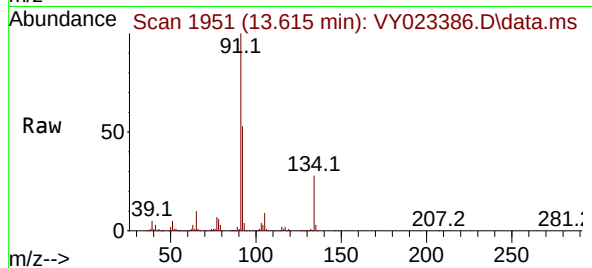
VSTDICC020

Tgt Ion:	91	Resp:	40189
Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	27.3	14.1	42.2

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 19.730 ug/l

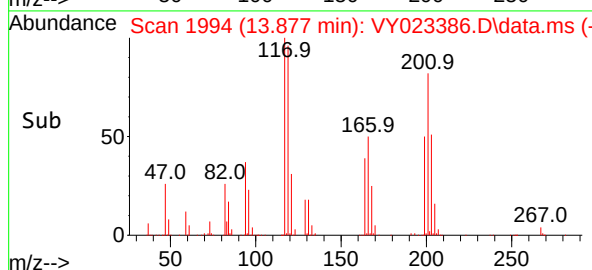
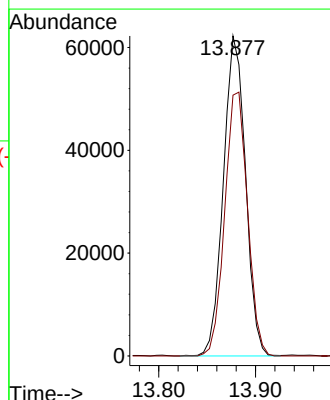
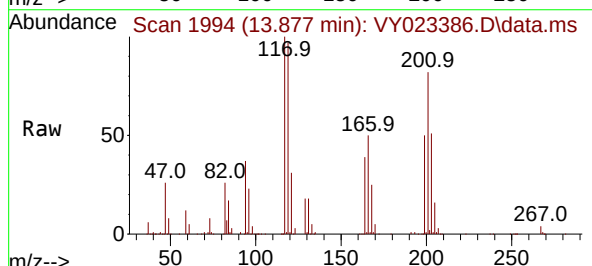
RT: 13.877 min Scan# 1994

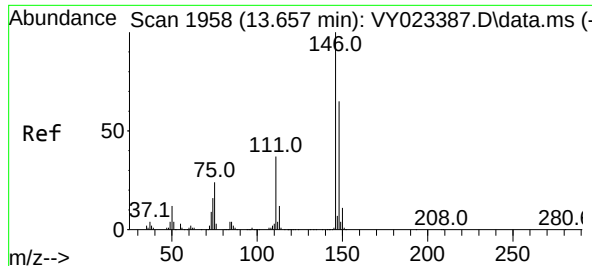
Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

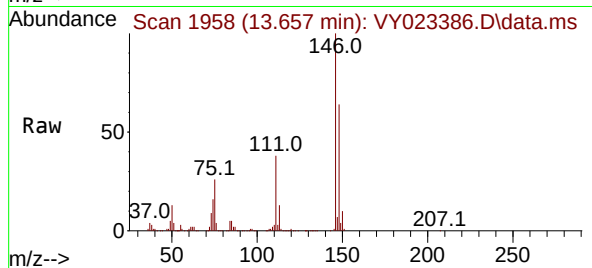
Tgt Ion:	117	Resp:	98983
Ion	Ratio	Lower	Upper
117	100		
201	84.8	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 20.507 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

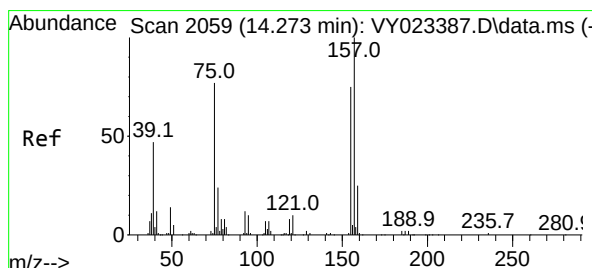
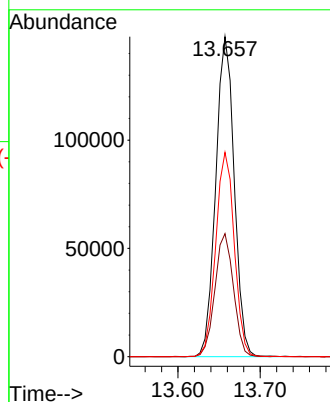
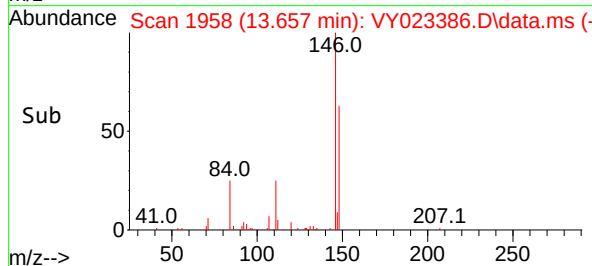
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:146 Resp: 231199
Ion Ratio Lower Upper
146 100
111 38.6 19.0 57.0
148 64.1 32.1 96.3

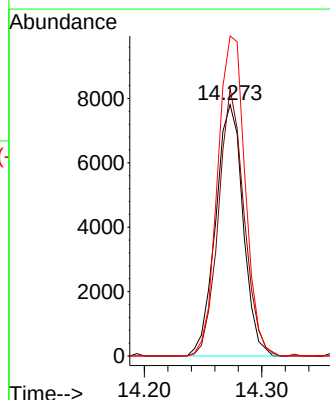
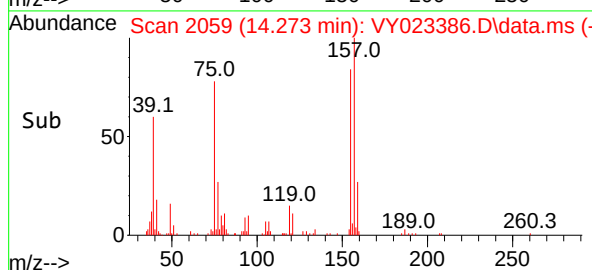
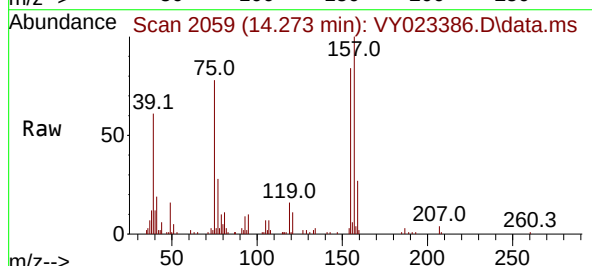
Manual Integrations
APPROVED

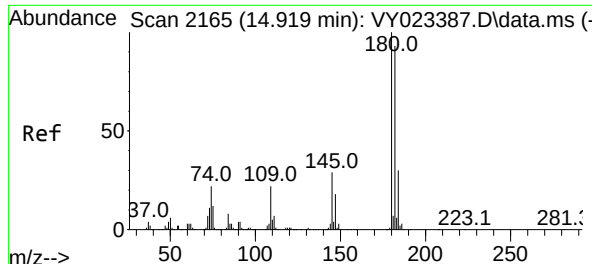
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.802 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 12668
Ion Ratio Lower Upper
75 100
155 99.1 50.0 150.0
157 127.9 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 20.770 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 13796

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

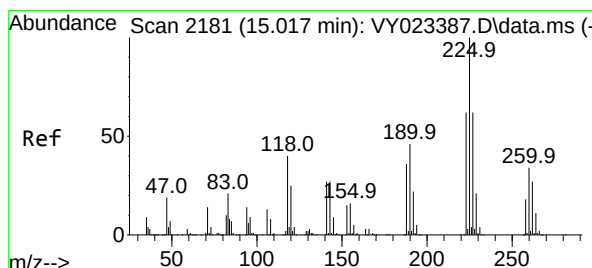
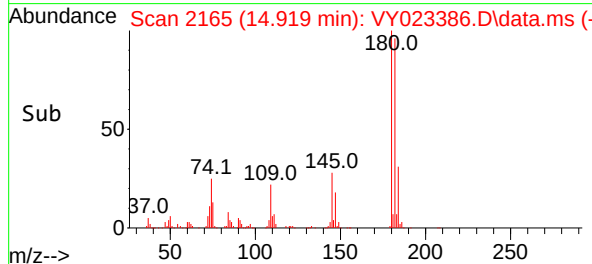
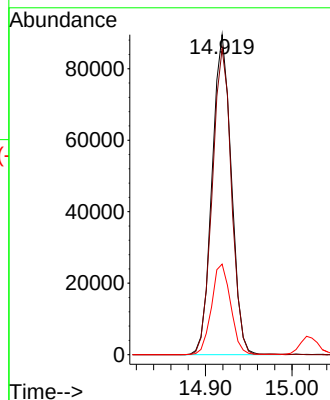
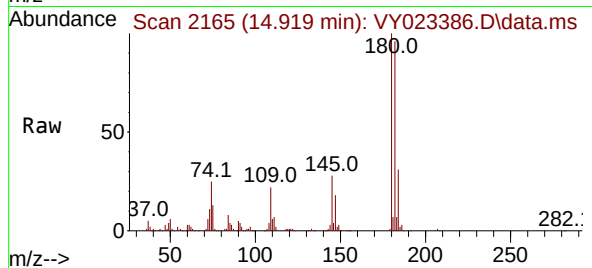
145 28.3 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 21.159 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

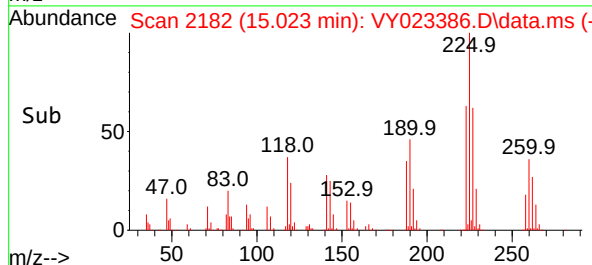
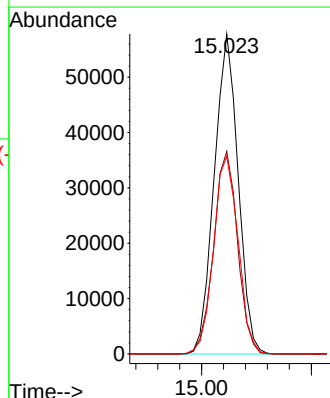
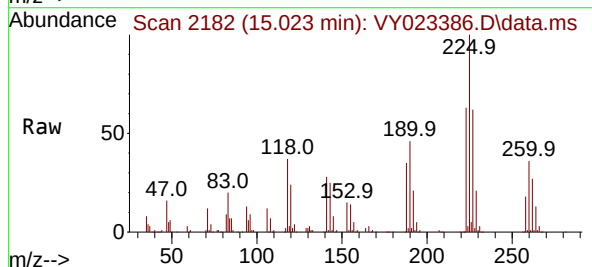
Tgt Ion:225 Resp: 87575

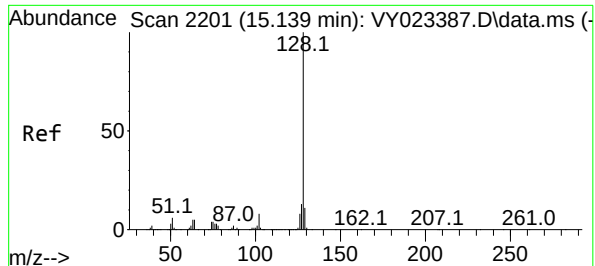
Ion Ratio Lower Upper

225 100

223 63.1 30.8 92.3

227 63.4 31.9 95.7





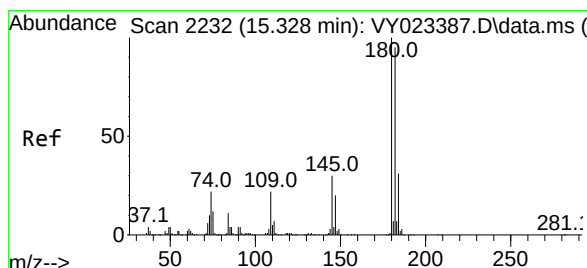
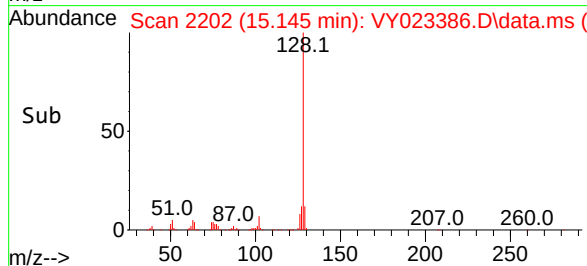
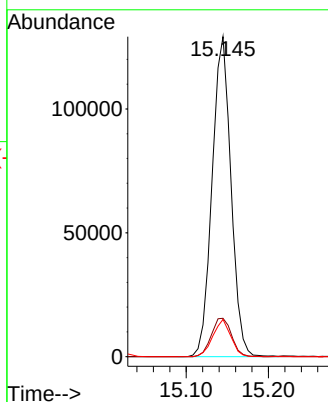
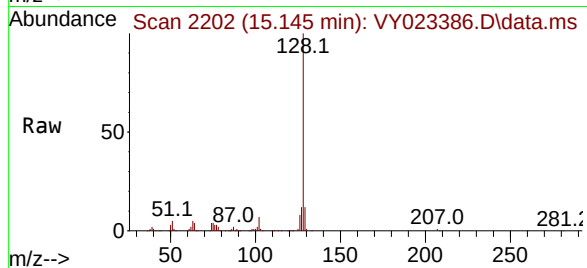
#95
Naphthalene
Concen: 19.467 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 20601
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.9 13.3

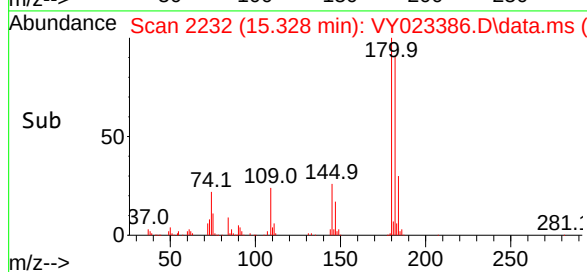
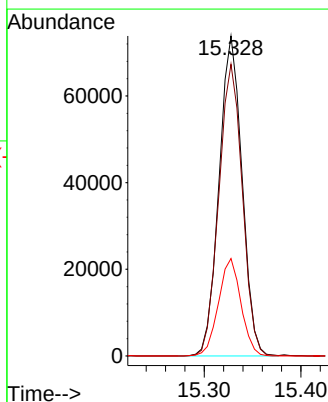
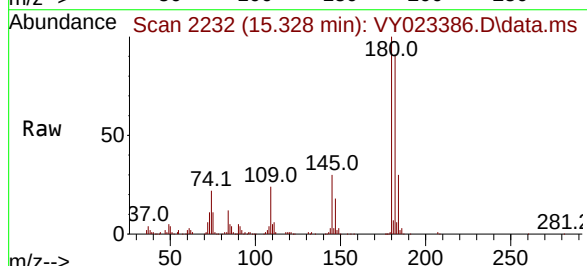
Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 21.113 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 121656
Ion Ratio Lower Upper
180 100
182 93.3 47.9 143.8
145 29.8 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023387.D
 Acq On : 07 Oct 2025 11:47
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: Oct 08 04:43:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	590340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	858767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	392169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231295	45.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.480%		
35) Dibromofluoromethane	7.634	113	256331	49.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.103	98	969649	49.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.402	95	313426	50.546	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	189467	40.745	ug/l	100
3) Chloromethane	2.068	50	265142	40.113	ug/l	100
4) Vinyl Chloride	2.202	62	352993	42.293	ug/l	100
5) Bromomethane	2.592	94	277005	40.458	ug/l	100
6) Chloroethane	2.733	64	244551	43.157	ug/l	100
7) Trichlorofluoromethane	3.056	101	496981	46.354	ug/l	100
8) Diethyl Ether	3.452	74	126634	45.158	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	258100	45.039	ug/l	100
10) Methyl Iodide	4.001	142	317731	47.979	ug/l	100
11) Tert butyl alcohol	4.860	59	73642	244.793	ug/l	100
12) 1,1-Dichloroethene	3.787	96	252190	45.738	ug/l	100
13) Acrolein	3.647	56	123642	242.575	ug/l	100
14) Allyl chloride	4.379	41	310569	44.989	ug/l	100
15) Acrylonitrile	5.055	53	240668	219.075	ug/l	100
16) Acetone	3.866	43	247122	214.955	ug/l	100
17) Carbon Disulfide	4.104	76	722982	42.028	ug/l	100
18) Methyl Acetate	4.385	43	144816	49.563	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	601934	46.626	ug/l	100
20) Methylene Chloride	4.616	84	270612	43.409	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	277516	45.256	ug/l	100
22) Diisopropyl ether	6.019	45	686481	44.844	ug/l	100
23) Vinyl Acetate	5.958	43	1843784	219.119	ug/l	100
24) 1,1-Dichloroethane	5.915	63	448267	44.423	ug/l	100
25) 2-Butanone	6.890	43	310237	218.327	ug/l	100
26) 2,2-Dichloropropane	6.884	77	416391	46.440	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	320028	46.010	ug/l	100
28) Bromochloromethane	7.244	49	157414	40.211	ug/l	100
29) Tetrahydrofuran	7.262	42	187787	222.653	ug/l	100
30) Chloroform	7.421	83	493098	45.316	ug/l	100
31) Cyclohexane	7.701	56	379644	42.602	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	452713	46.347	ug/l	100
36) 1,1-Dichloropropene	7.835	75	341353	46.424	ug/l	100
37) Ethyl Acetate	6.982	43	129053	44.394	ug/l	100
38) Carbon Tetrachloride	7.817	117	413187	48.374	ug/l	100
39) Methylcyclohexane	9.109	83	452959	48.113	ug/l	100
40) Benzene	8.079	78	1080883	47.154	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023387.D
 Acq On : 07 Oct 2025 11:47
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:43:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	68542	45.399	ug/l	100
42) 1,2-Dichloroethane	8.152	62	270387	46.350	ug/l	100
43) Isopropyl Acetate	8.195	43	259041	45.811	ug/l	100
44) Trichloroethene	8.866	130	315104	48.982	ug/l	100
45) 1,2-Dichloropropane	9.140	63	234978	45.555	ug/l	100
46) Dibromomethane	9.231	93	148914	47.198	ug/l	100
47) Bromodichloromethane	9.420	83	377084	47.482	ug/l	100
48) Methyl methacrylate	9.219	41	126732	48.027	ug/l	100
49) 1,4-Dioxane	9.225	88	34053	1042.312	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	682879	235.772	ug/l	100
52) Toluene	10.170	92	710404	48.824	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	330392	48.438	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	390619	47.910	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	198478	47.296	ug/l	100
56) Ethyl methacrylate	10.438	69	239407	49.535	ug/l	100
57) 1,3-Dichloropropane	10.713	76	321276	47.301	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	553816	261.921	ug/l	100
59) 2-Hexanone	10.756	43	479606	239.162	ug/l	100
60) Dibromochloromethane	10.908	129	281047	49.103	ug/l	100
61) 1,2-Dibromoethane	11.012	107	191356	48.468	ug/l	100
64) Tetrachloroethene	10.646	164	392056	52.264	ug/l	100
65) Chlorobenzene	11.438	112	789650	48.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	279583	48.788	ug/l	100
67) Ethyl Benzene	11.518	91	1332350	50.099	ug/l	100
68) m/p-Xylenes	11.627	106	1077583	101.092	ug/l	100
69) o-Xylene	11.950	106	502722	50.946	ug/l	100
70) Styrene	11.969	104	831908	51.059	ug/l	100
71) Bromoform	12.127	173	172315	50.229	ug/l #	100
73) Isopropylbenzene	12.249	105	1301009	49.803	ug/l	100
74) N-amyl acetate	12.066	43	227684	46.640	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	195565	44.878	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	169814m	43.898	ug/l	100
77) Bromobenzene	12.530	156	331331	49.419	ug/l	100
78) n-propylbenzene	12.591	91	1522965	49.572	ug/l	100
79) 2-Chlorotoluene	12.676	91	873335	49.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1061112	49.966	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	66299	46.212	ug/l	100
82) 4-Chlorotoluene	12.773	91	892764	48.192	ug/l	100
83) tert-Butylbenzene	12.993	119	988936	51.104	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1061159	50.505	ug/l	100
85) sec-Butylbenzene	13.170	105	1405003	50.133	ug/l	100
86) p-Isopropyltoluene	13.286	119	1210644	51.115	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	649899	49.072	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	636694	48.476	ug/l	100
89) n-Butylbenzene	13.615	91	1051949	50.299	ug/l	100
90) Hexachloroethane	13.877	117	245108	47.664	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	567114	49.075	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32585	47.184	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	359833	52.852	ug/l	100
94) Hexachlorobutadiene	15.017	225	226316	53.346	ug/l	100
95) Naphthalene	15.139	128	575044	53.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	310831	52.628	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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

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

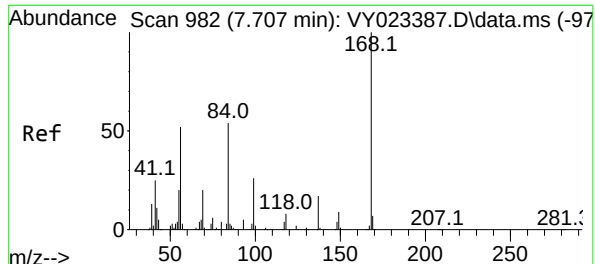
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

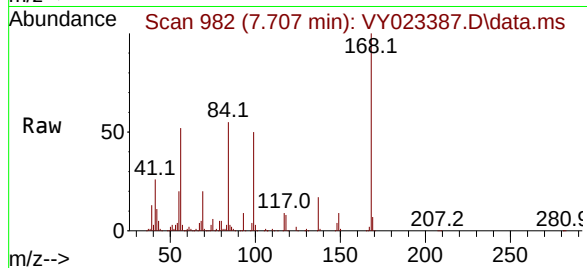
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

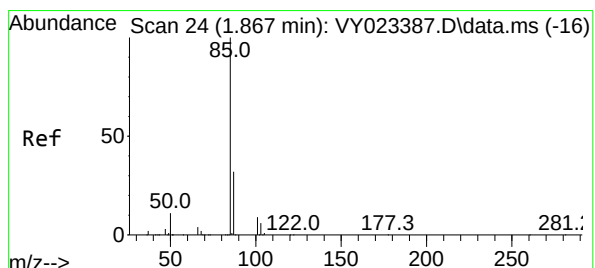
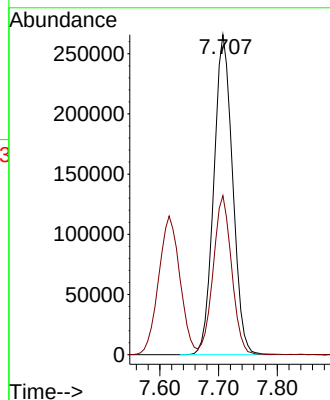
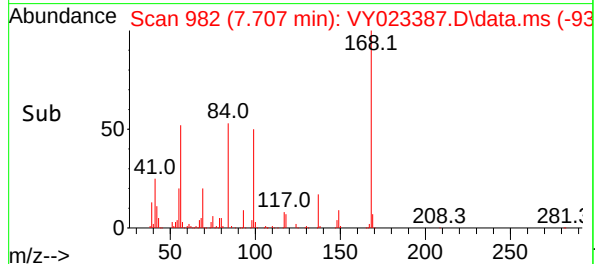
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 590340
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5

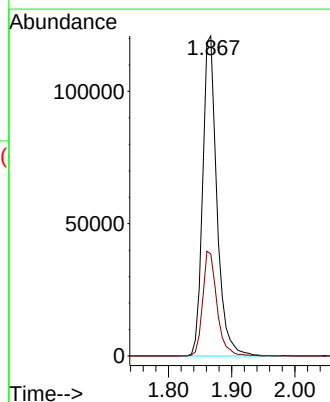
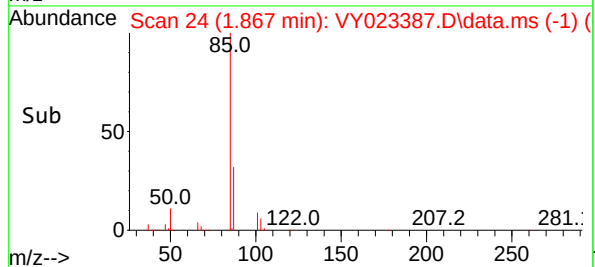
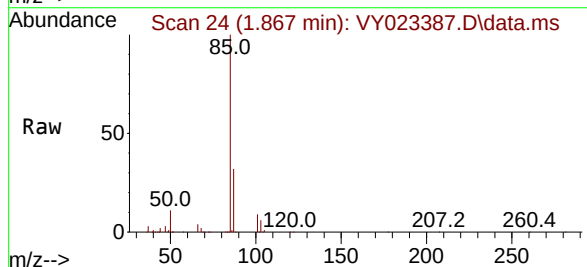
Manual Integrations
APPROVED

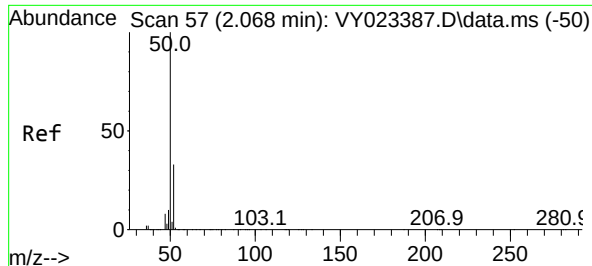
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 40.745 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

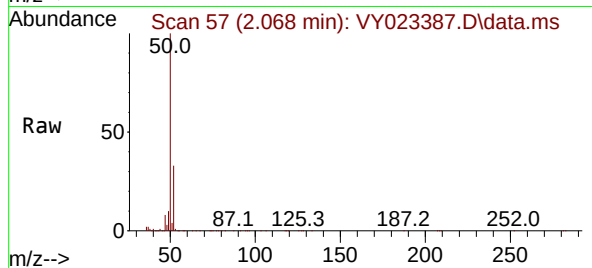
Tgt Ion: 85 Resp: 189467
Ion Ratio Lower Upper
85 100
87 31.9 16.0 47.9





#3
Chloromethane
Concen: 40.113 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

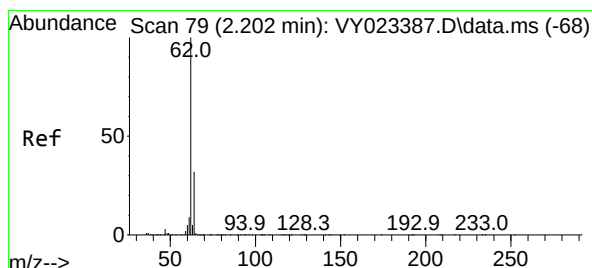
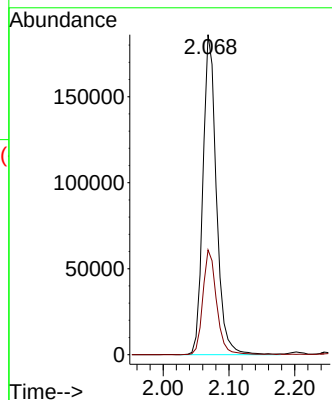
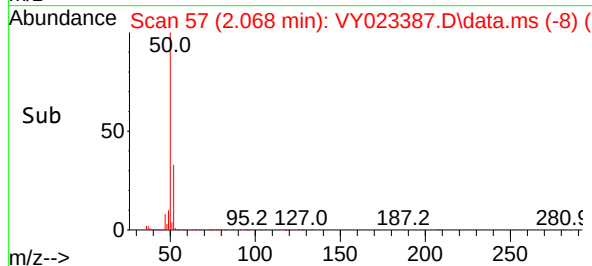
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 50 Resp: 26514
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2

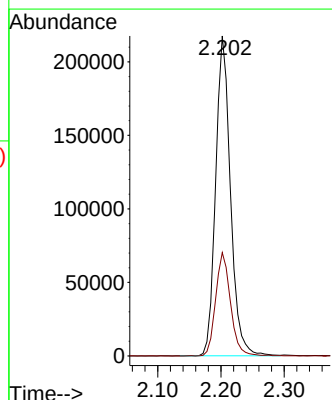
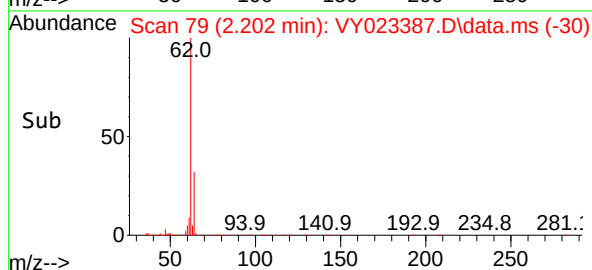
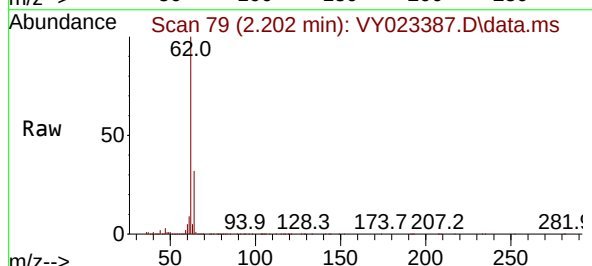
Manual Integrations
APPROVED

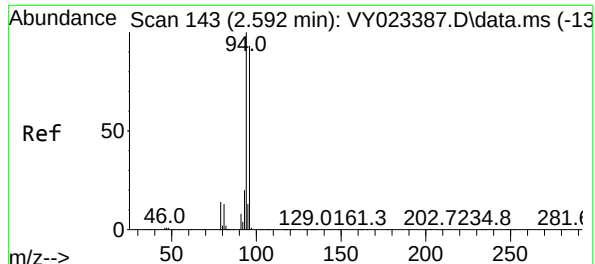
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 42.293 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 352993
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.8





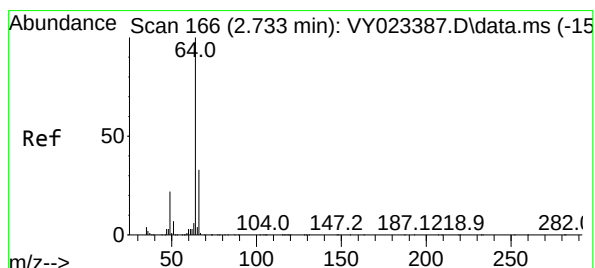
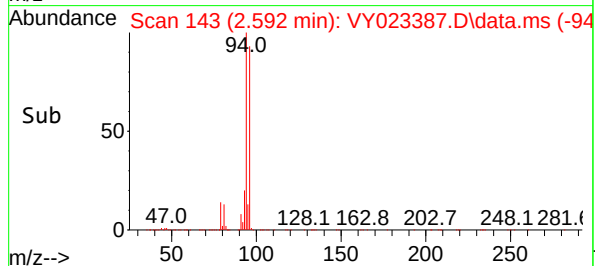
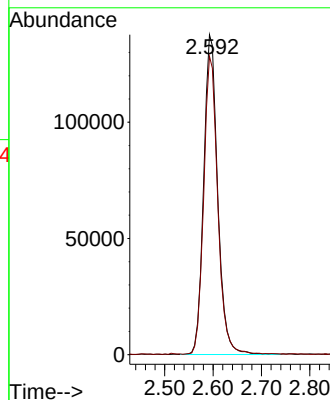
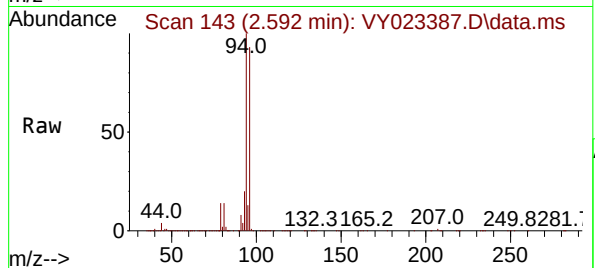
#5
Bromomethane
Concen: 40.458 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 277000
Ion Ratio Lower Upper
94 100
96 93.1 74.5 111.7

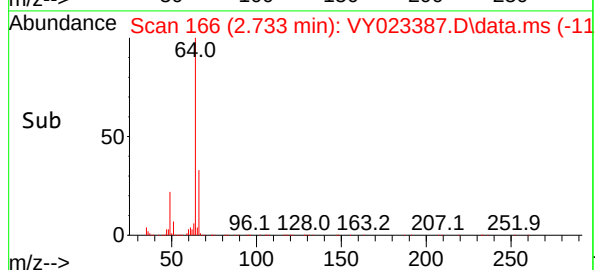
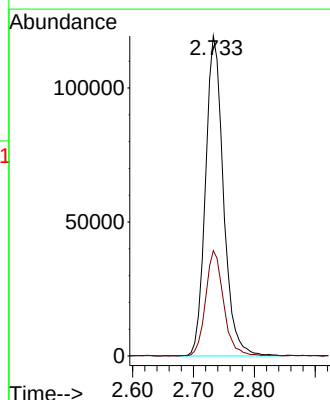
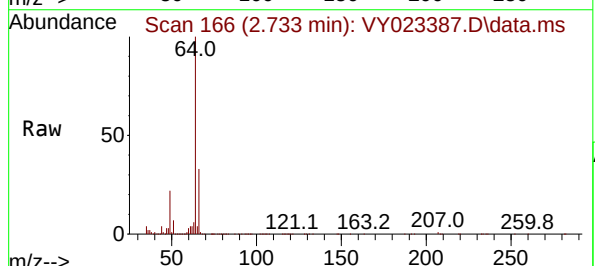
Manual Integrations
APPROVED

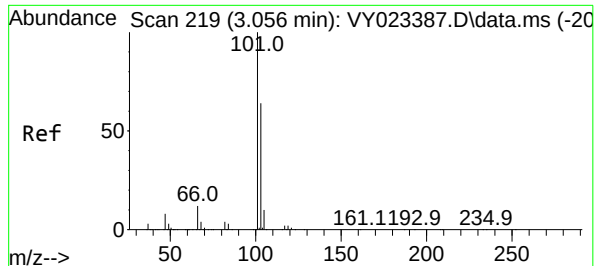
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 43.157 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 64 Resp: 244551
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





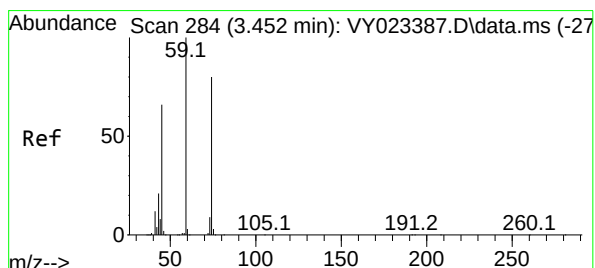
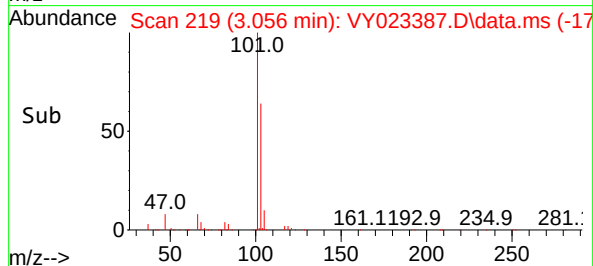
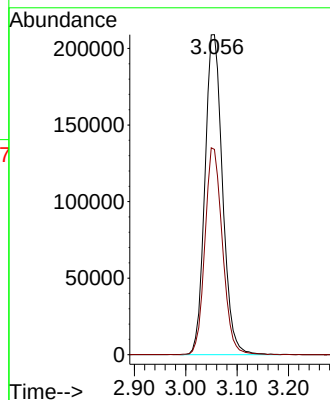
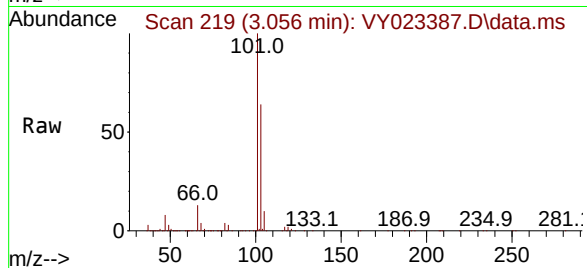
#7
Trichlorofluoromethane
Concen: 46.354 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 49698
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9

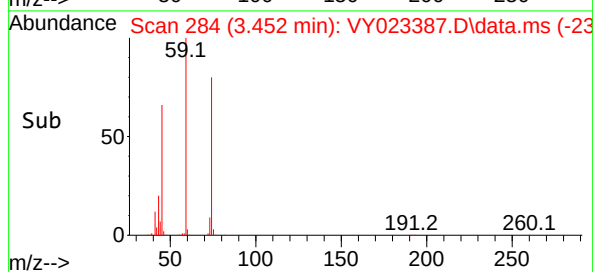
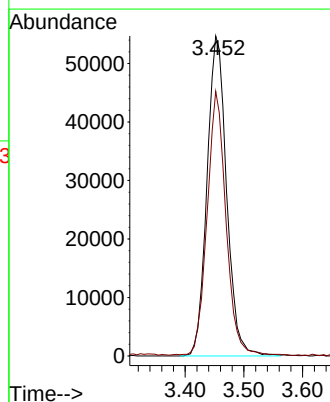
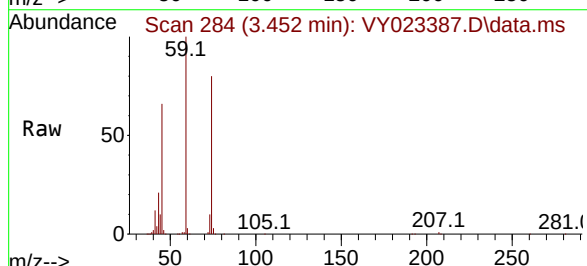
Manual Integrations
APPROVED

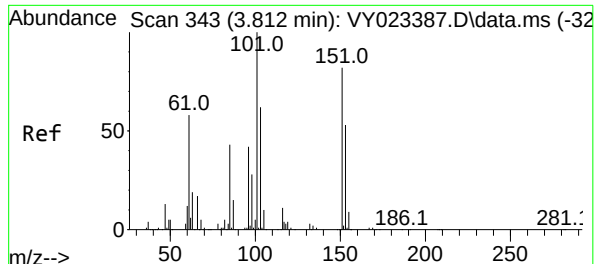
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Diethyl Ether
Concen: 45.158 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 74 Resp: 126634
Ion Ratio Lower Upper
74 100
45 79.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.039 ug/l

RT: 3.812 min Scan# 343

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 258100

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

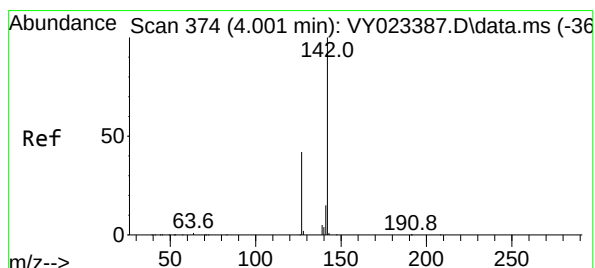
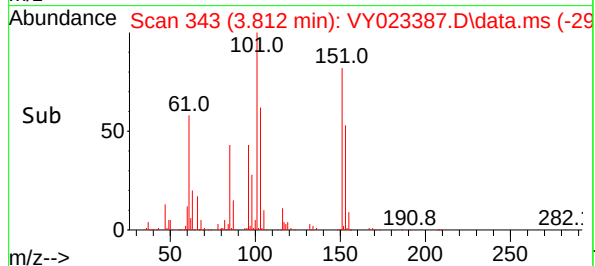
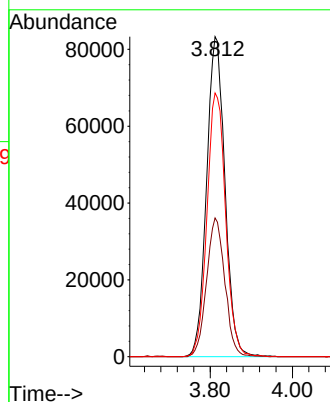
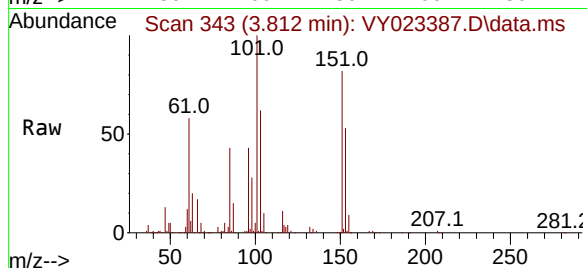
151 83.8 67.0 100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 47.979 ug/l

RT: 4.001 min Scan# 374

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

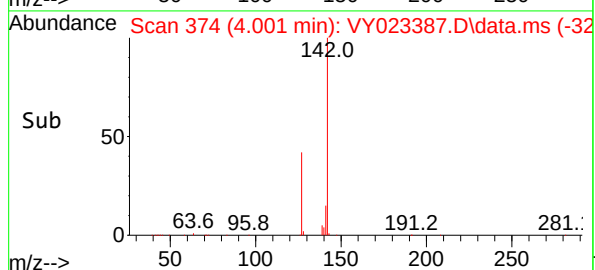
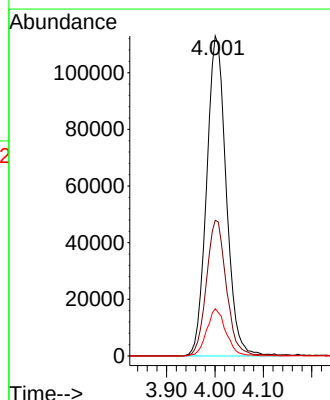
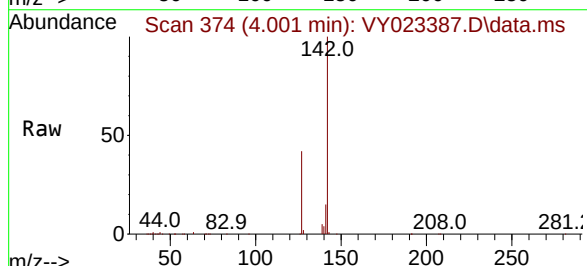
Tgt Ion:142 Resp: 317731

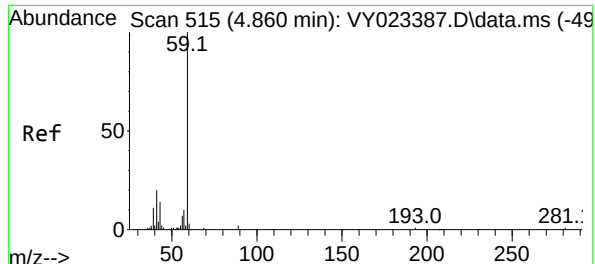
Ion Ratio Lower Upper

142 100

127 43.5 34.8 52.2

141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 244.793 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 7364

Ion Ratio Lower Upper

59 100

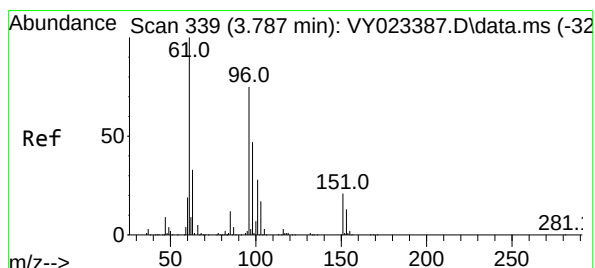
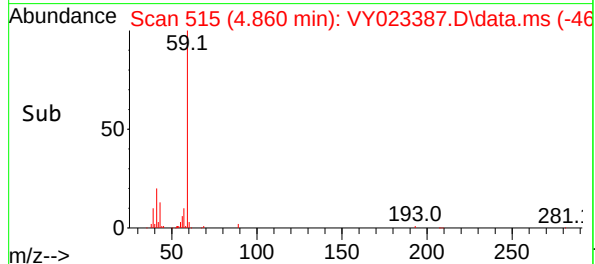
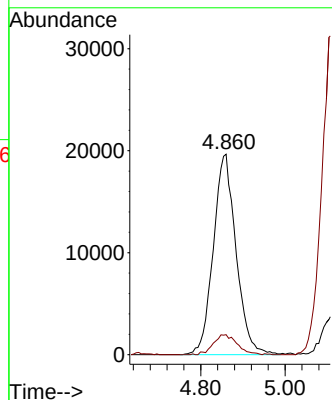
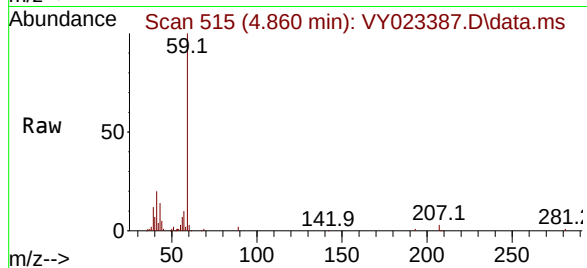
57 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 45.738 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

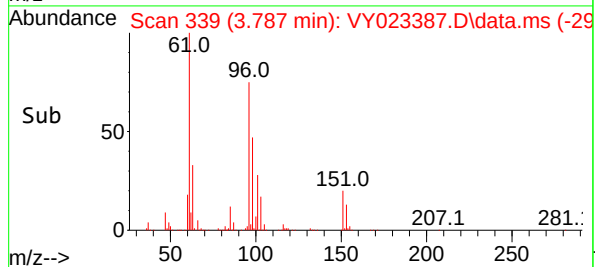
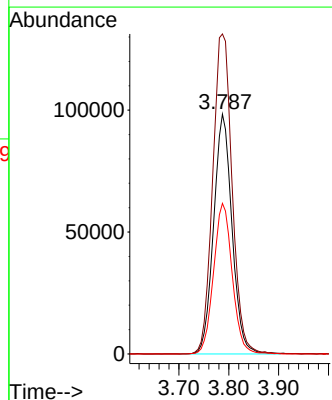
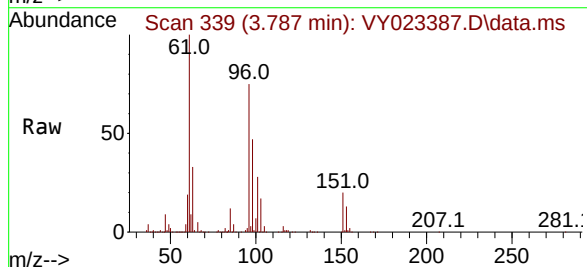
Tgt Ion: 96 Resp: 252190

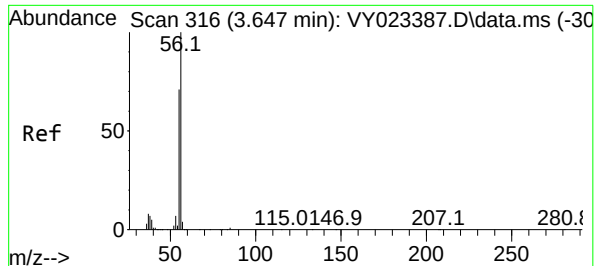
Ion Ratio Lower Upper

96 100

61 133.4 106.7 160.1

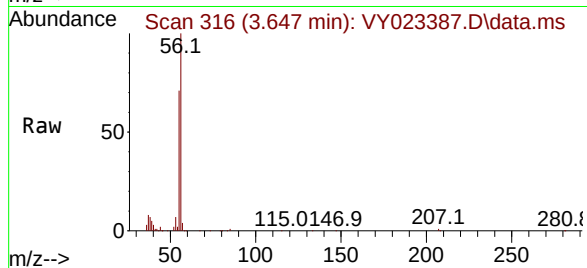
98 62.8 50.2 75.4





#13
Acrolein
Concen: 242.575 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

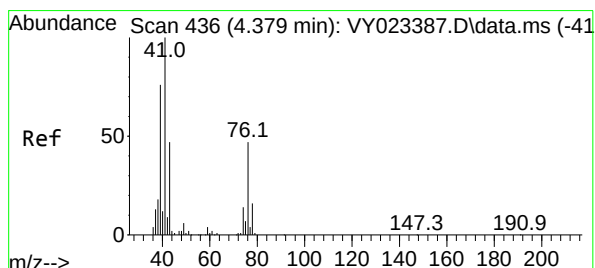
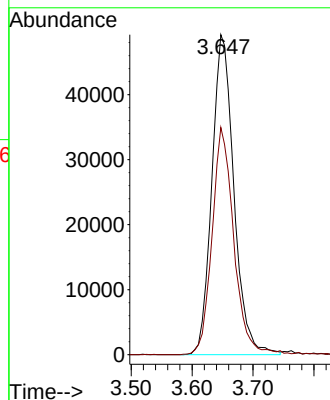
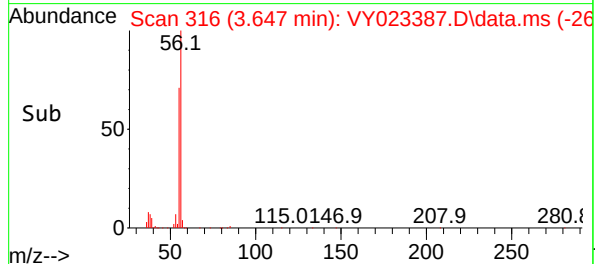
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 123642
Ion Ratio Lower Upper
56 100
55 70.1 56.1 84.1

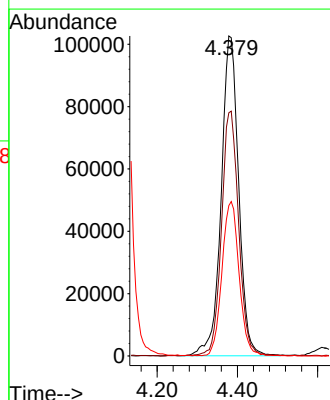
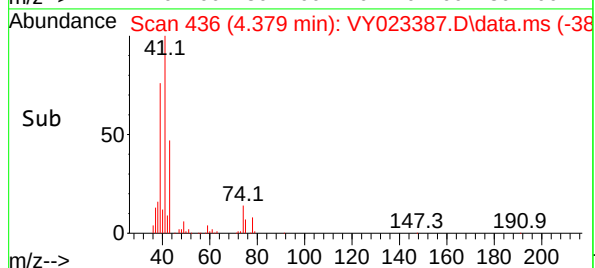
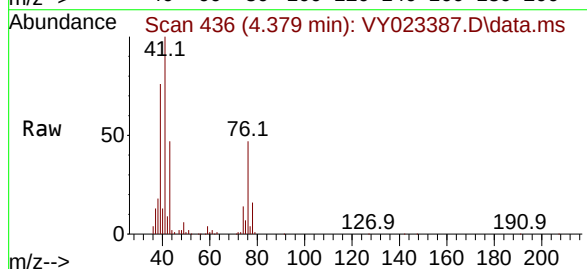
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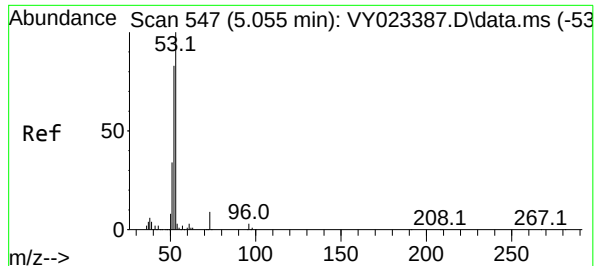
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#14
Allyl chloride
Concen: 44.989 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 310569
Ion Ratio Lower Upper
41 100
39 74.9 59.9 89.9
76 47.5 38.0 57.0





#15

Acrylonitrile

Concen: 219.075 ug/l

RT: 5.055 min Scan# 547

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 240668

Ion Ratio Lower Upper

53 100

52 80.8 64.6 97.0

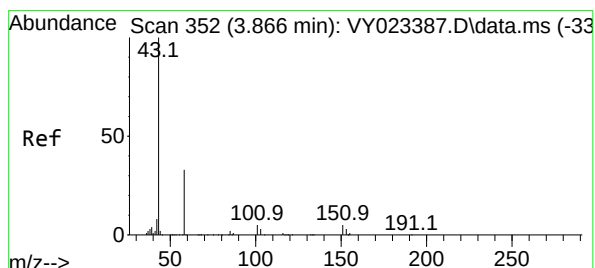
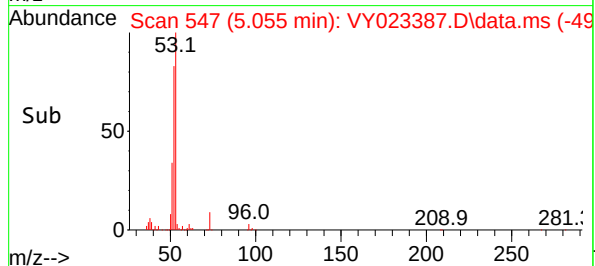
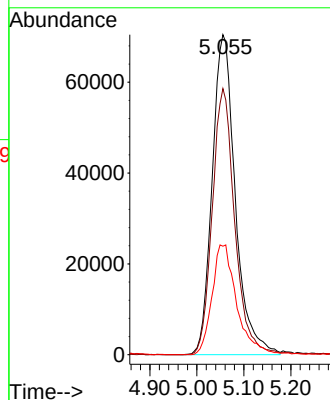
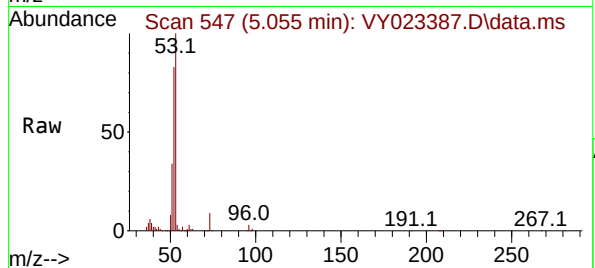
51 36.9 29.5 44.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 214.955 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023387.D

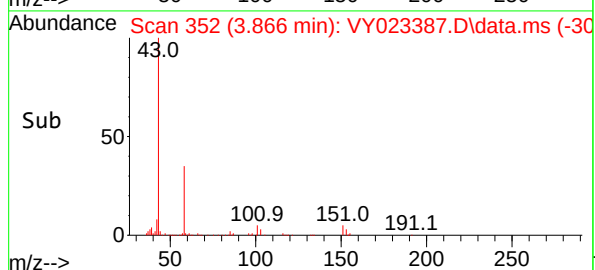
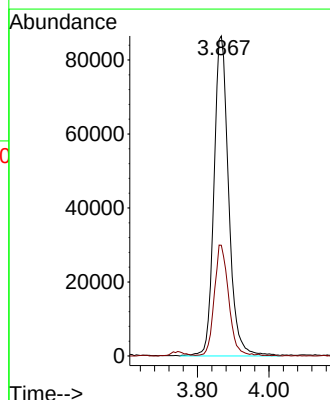
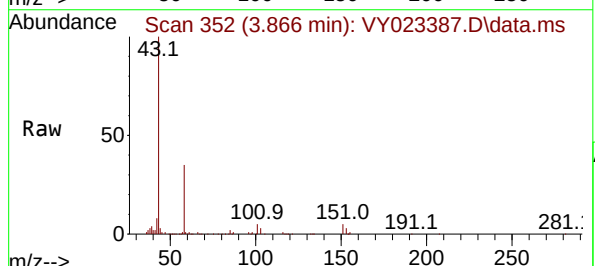
Acq: 07 Oct 2025 11:47

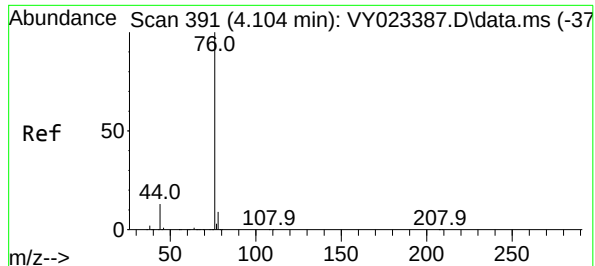
Tgt Ion: 43 Resp: 247122

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5





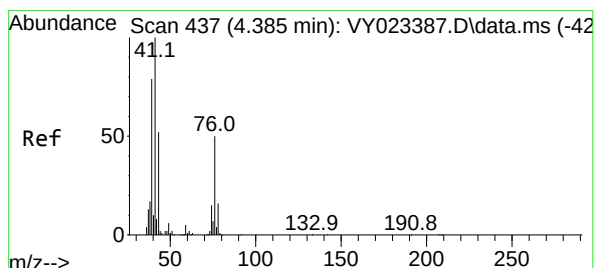
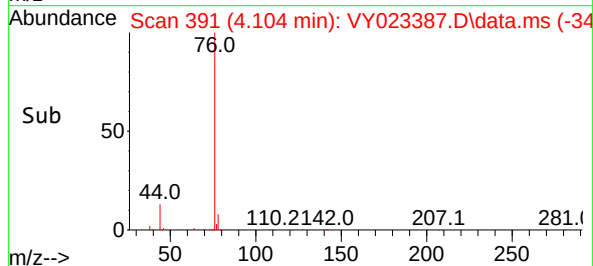
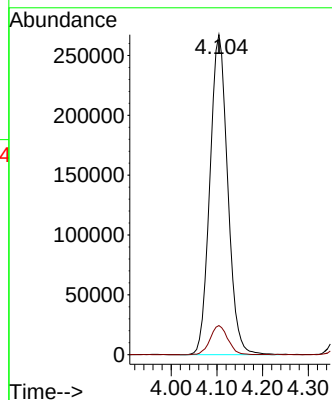
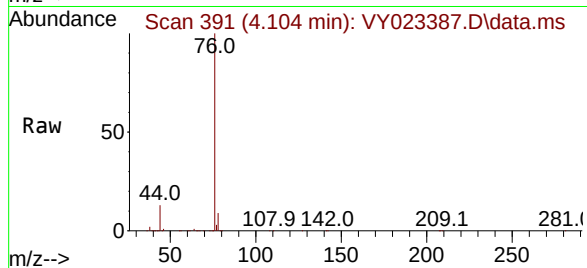
#17
Carbon Disulfide
Concen: 42.028 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 72298
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

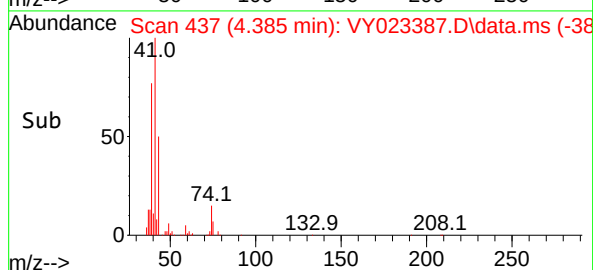
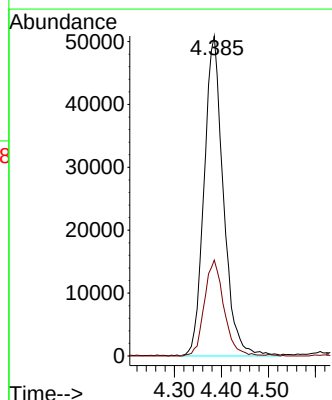
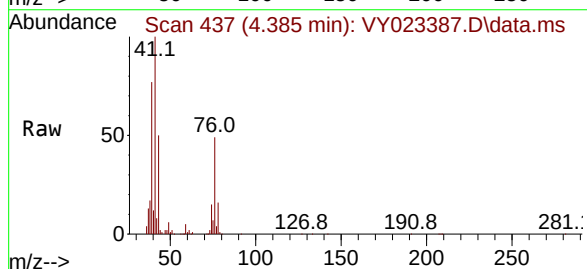
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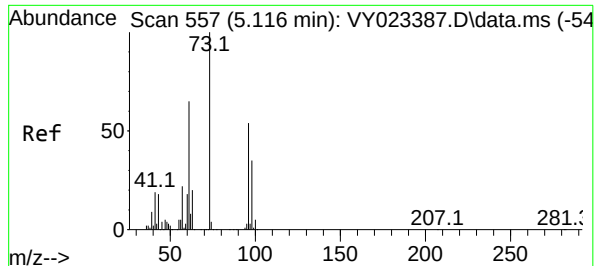
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#18
Methyl Acetate
Concen: 49.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 144816
Ion Ratio Lower Upper
43 100
74 30.3 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 46.626 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 601934

Ion Ratio Lower Upper

73 100

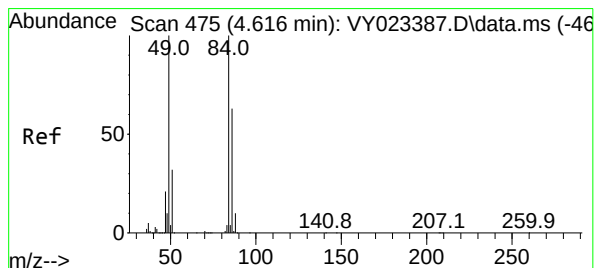
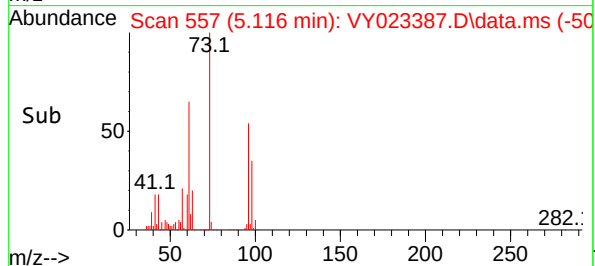
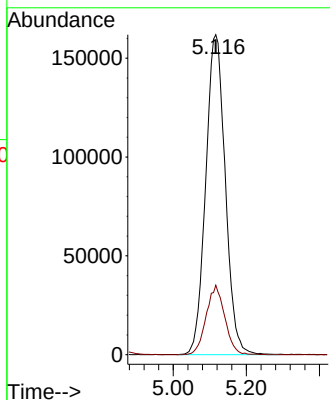
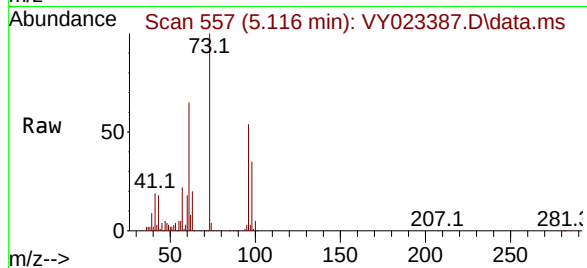
57 21.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 43.409 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion: 84 Resp: 270612

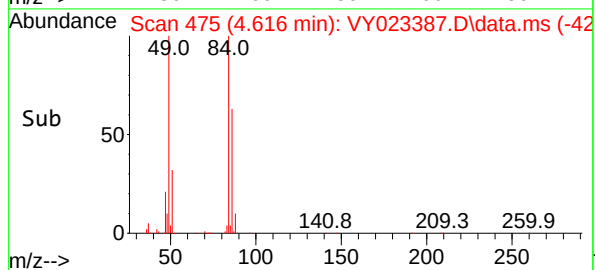
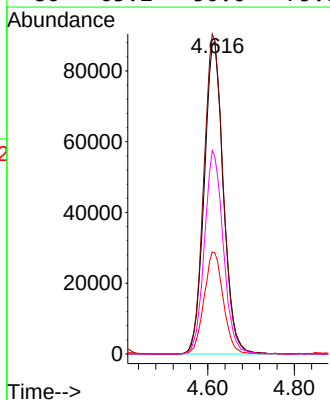
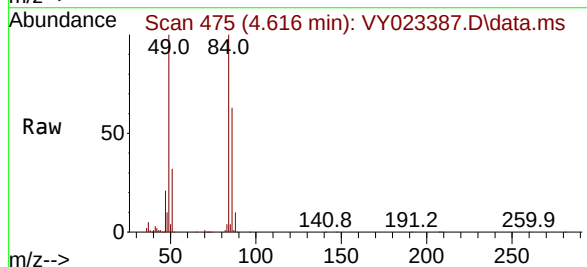
Ion Ratio Lower Upper

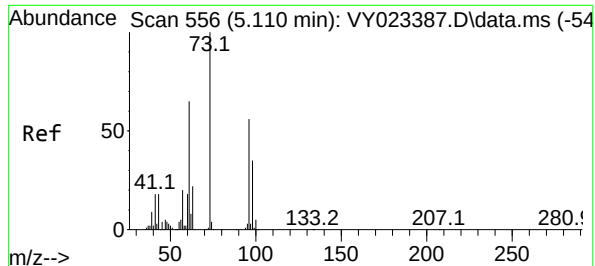
84 100

49 100.3 80.2 120.4

51 32.4 25.9 38.9

86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 45.256 ug/l

RT: 5.110 min Scan# 556

Delta R.T. 0.000 min

Lab File: VY023387.D

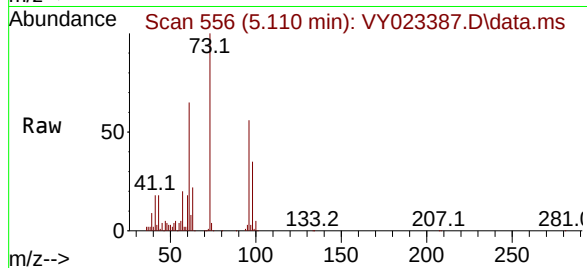
Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion: 96 Resp: 277510

Ion Ratio Lower Upper

96 100

61 115.9 92.7 139.1

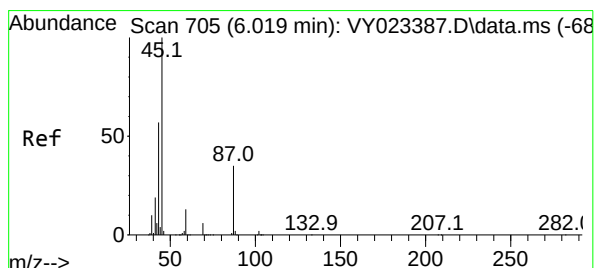
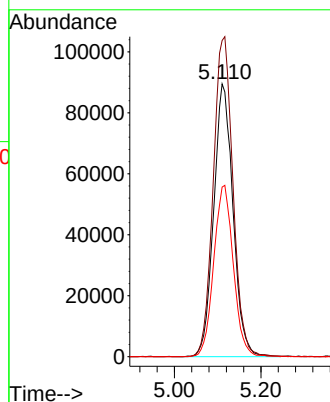
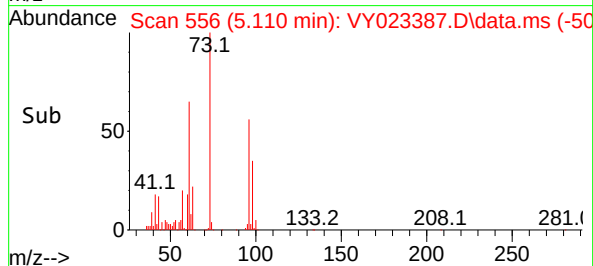
98 62.1 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#22

Diisopropyl ether

Concen: 44.844 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion: 45 Resp: 686481

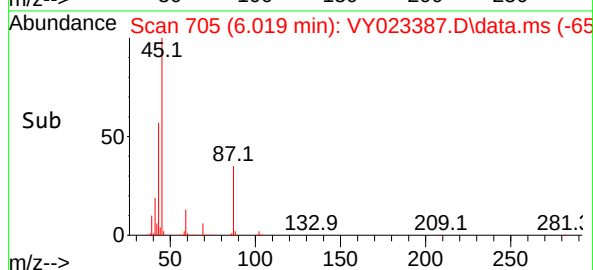
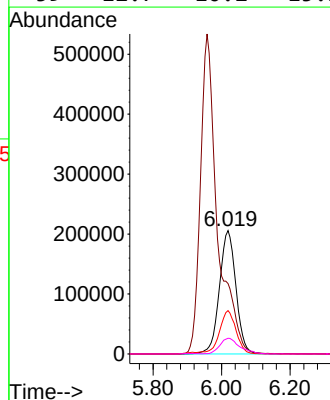
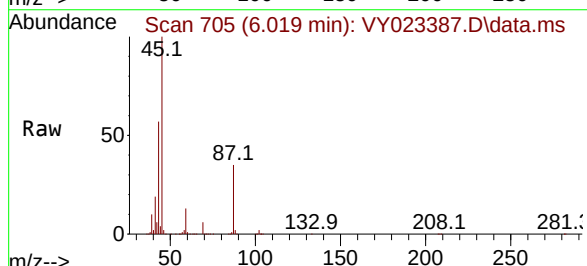
Ion Ratio Lower Upper

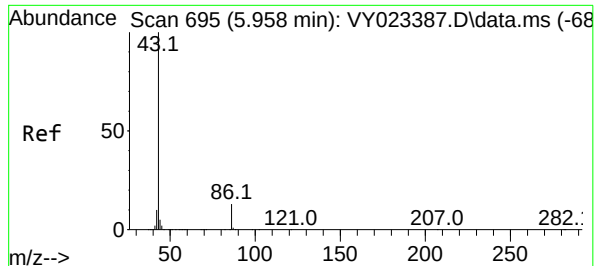
45 100

43 57.0 45.6 68.4

87 35.1 28.1 42.1

59 12.7 10.2 15.2





#23

Vinyl Acetate

Concen: 219.119 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1843784

Ion Ratio Lower Upper

43

100

86

13.2

10.6

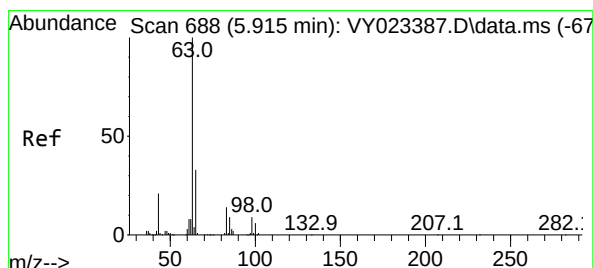
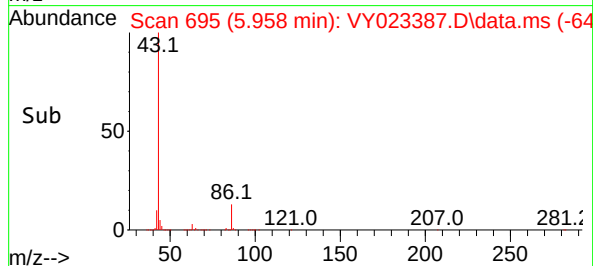
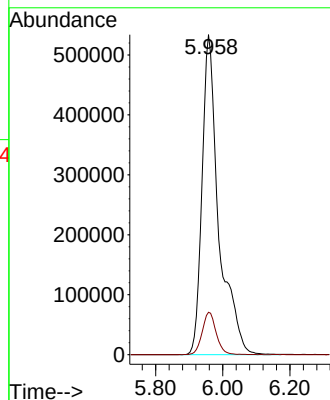
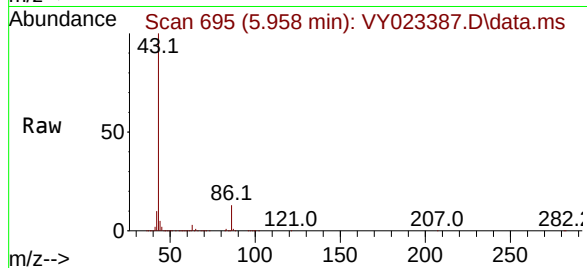
15.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 44.423 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 448267

Ion Ratio Lower Upper

63

100

98

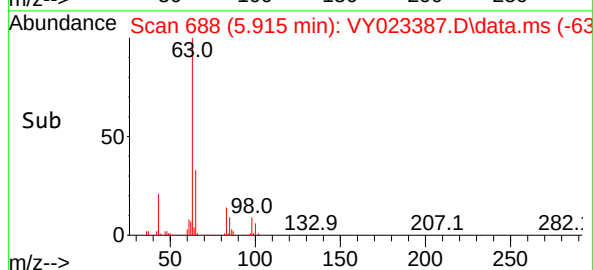
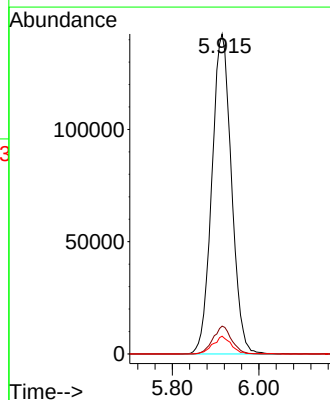
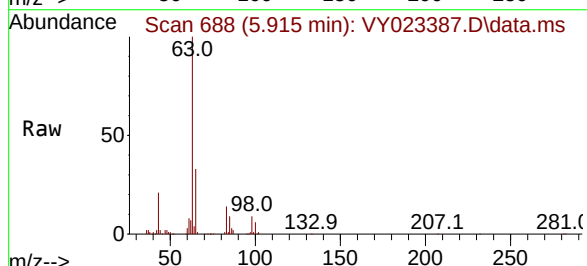
8.7

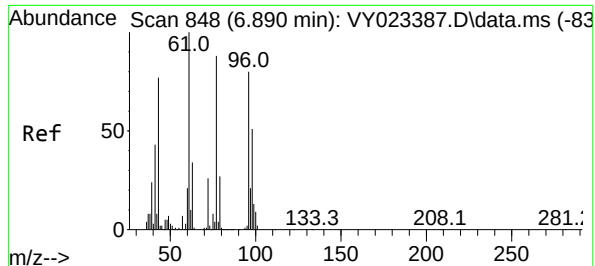
100

5.6

2.8

8.4





#25

2-Butanone

Concen: 218.327 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 31023

Ion Ratio Lower Upper

43 100

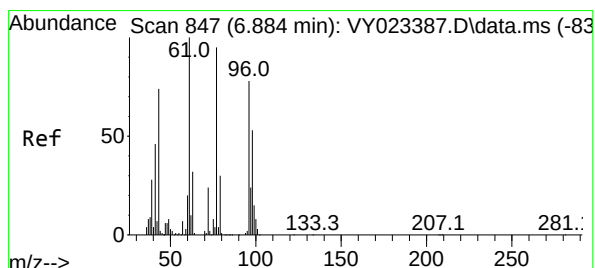
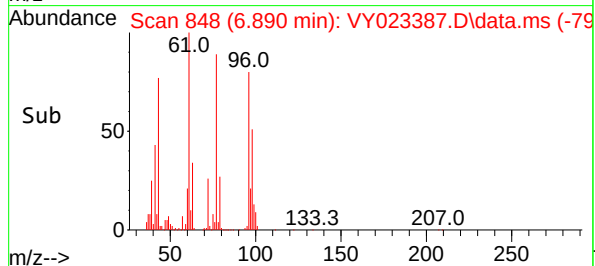
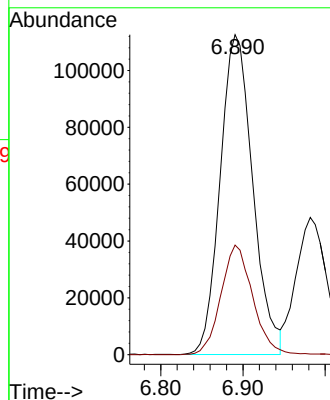
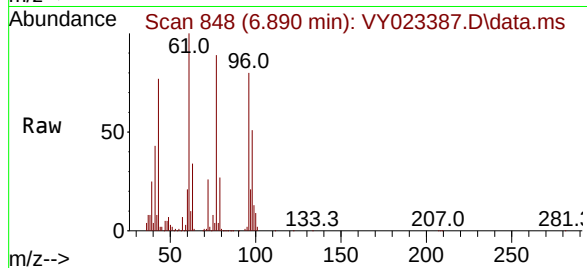
72 34.3 27.4 41.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 46.440 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023387.D

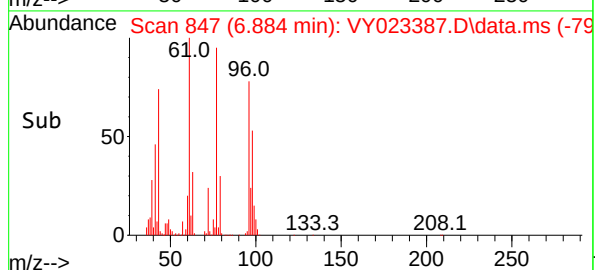
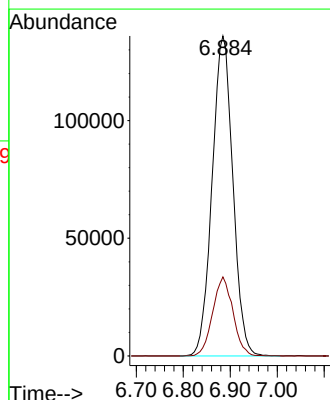
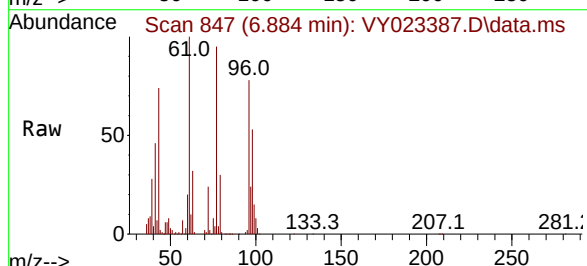
Acq: 07 Oct 2025 11:47

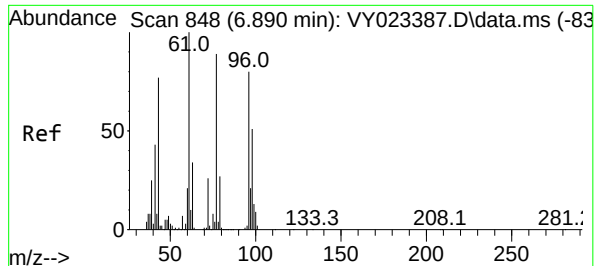
Tgt Ion: 77 Resp: 416391

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 46.010 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 320028

Ion Ratio Lower Upper

96 100

61 129.1 0.0 258.2

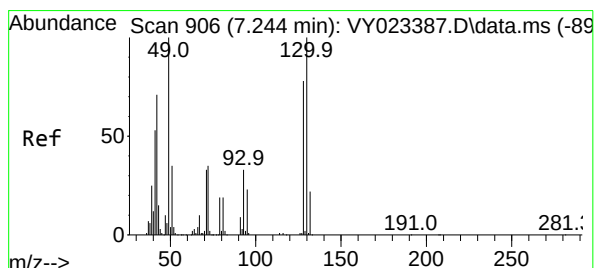
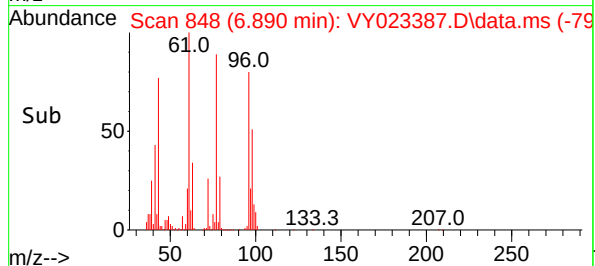
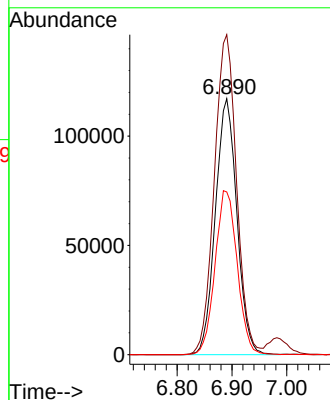
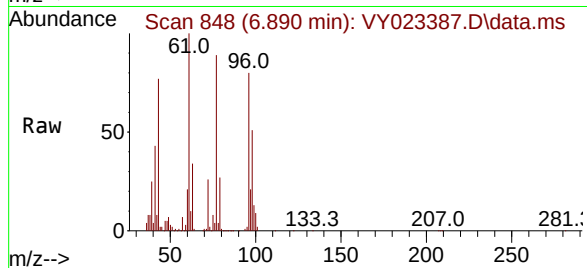
98 66.0 0.0 132.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 40.211 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

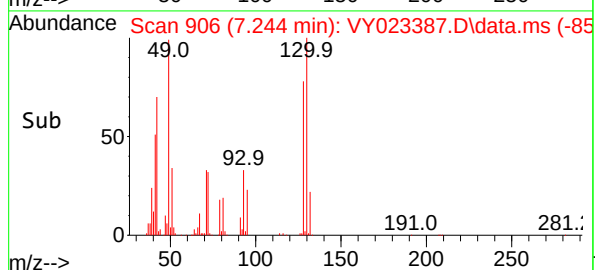
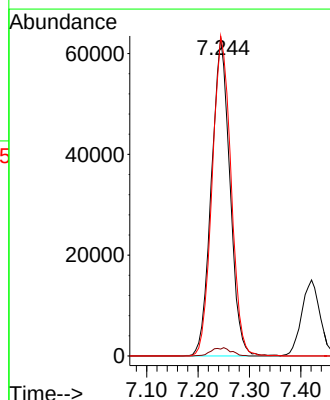
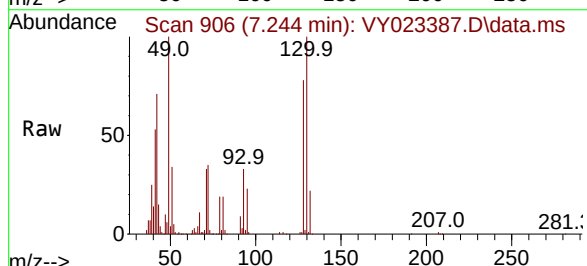
Tgt Ion: 49 Resp: 157414

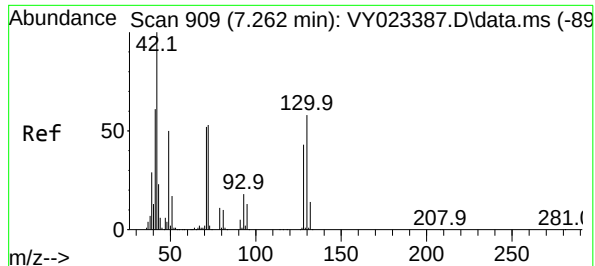
Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.6

130 102.4 81.9 122.9





#29

Tetrahydrofuran

Concen: 222.653 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 18778

Ion Ratio Lower Upper

42 100

72 53.8 43.0 64.6

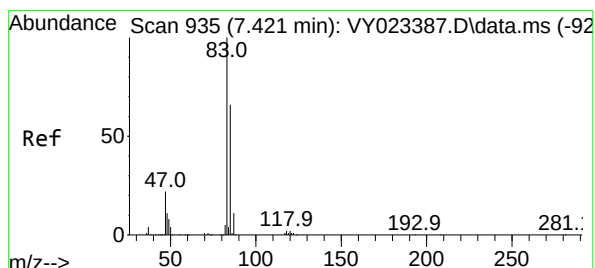
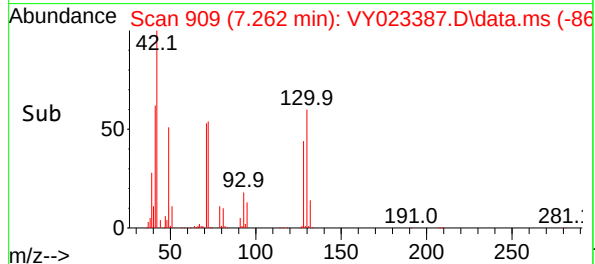
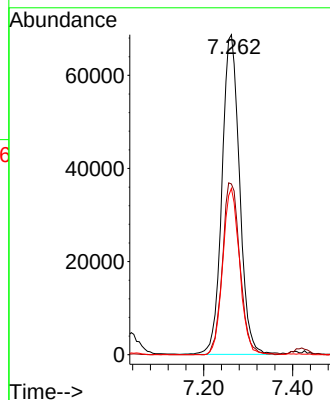
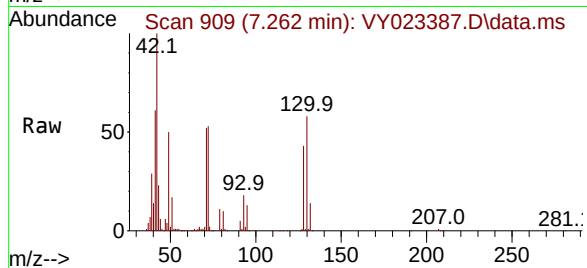
71 50.1 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 45.316 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023387.D

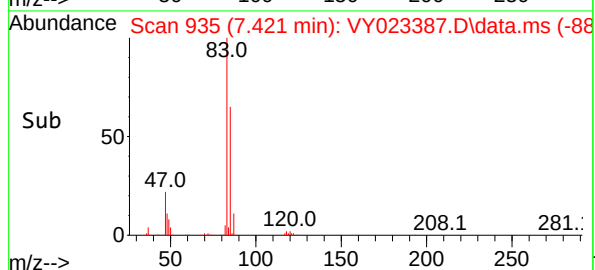
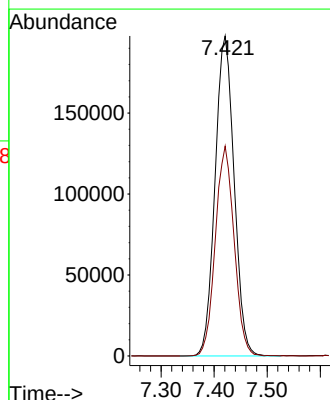
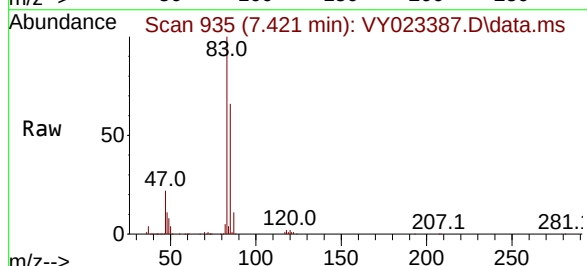
Acq: 07 Oct 2025 11:47

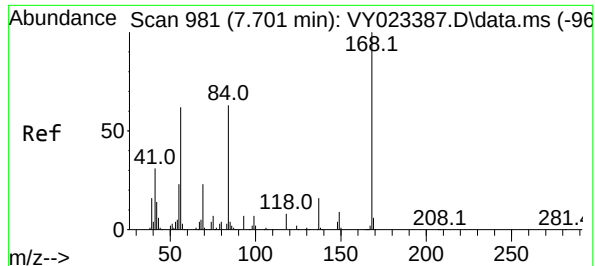
Tgt Ion: 83 Resp: 493098

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7





#31

Cyclohexane

Concen: 42.602 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 379644

Ion Ratio Lower Upper

56 100

69 37.5 30.0 45.0

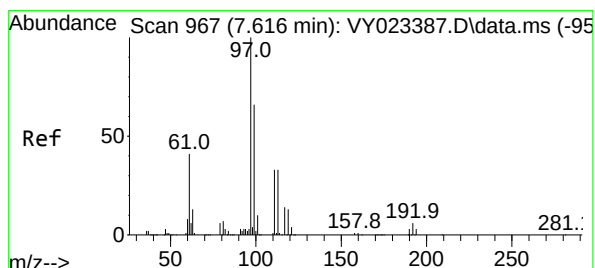
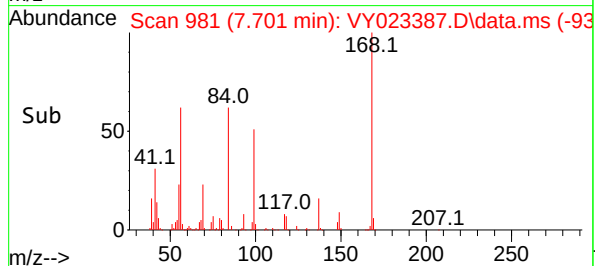
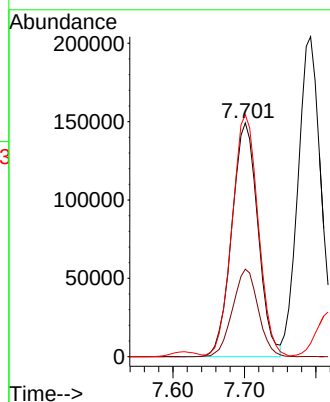
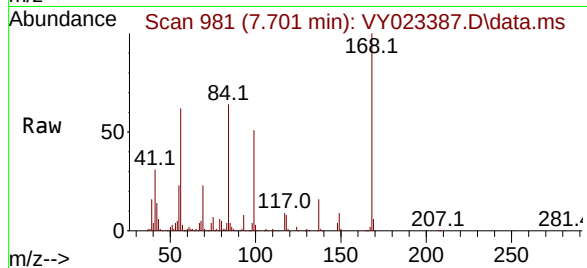
84 101.5 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 46.347 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

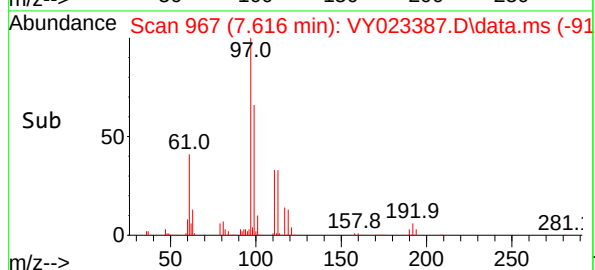
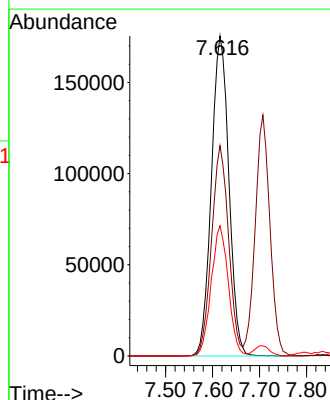
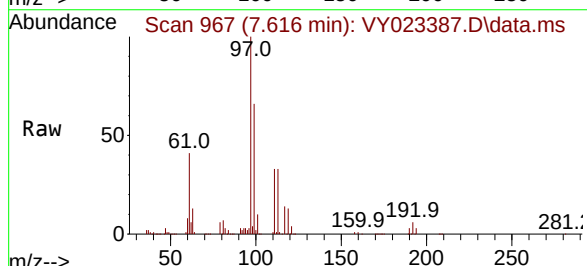
Tgt Ion: 97 Resp: 452713

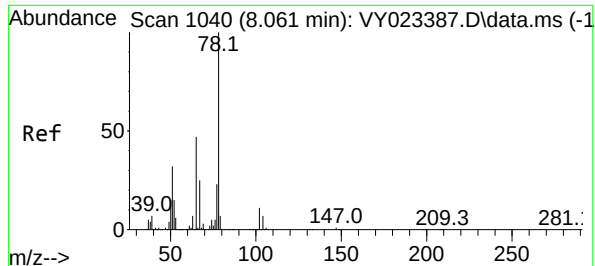
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.9 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 45.240 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 23129

Ion Ratio Lower Upper

65 100

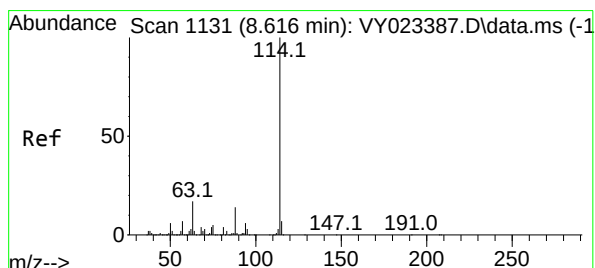
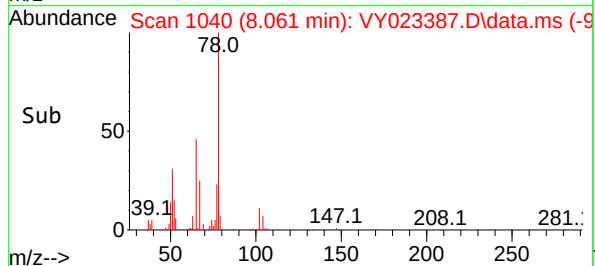
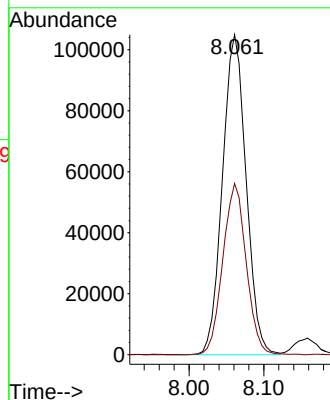
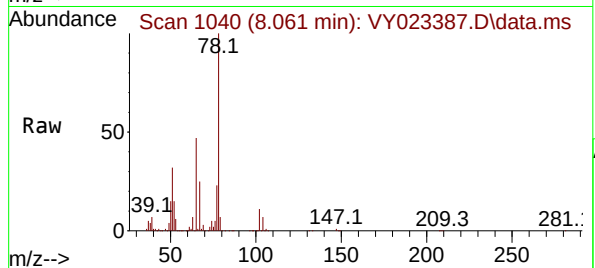
67 52.9 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

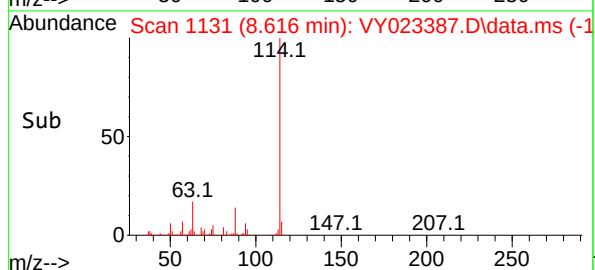
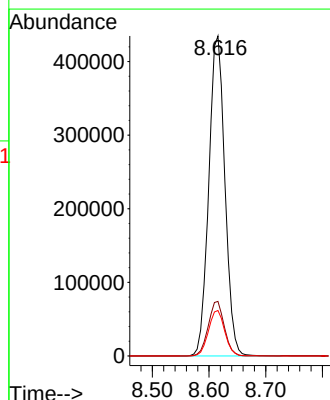
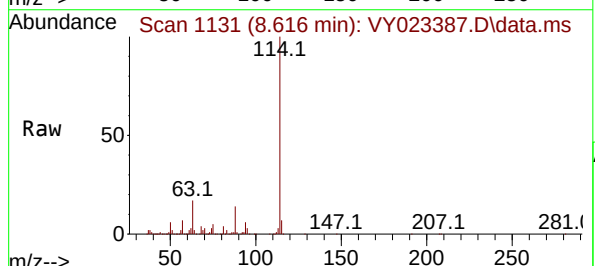
Tgt Ion:114 Resp: 858767

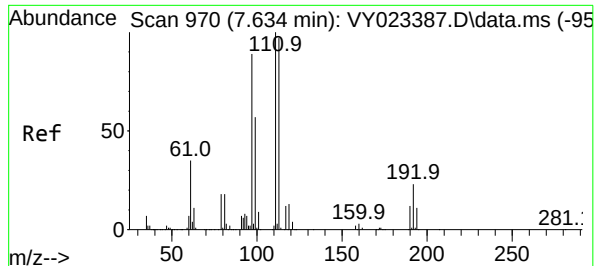
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.2 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.185 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 25633

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

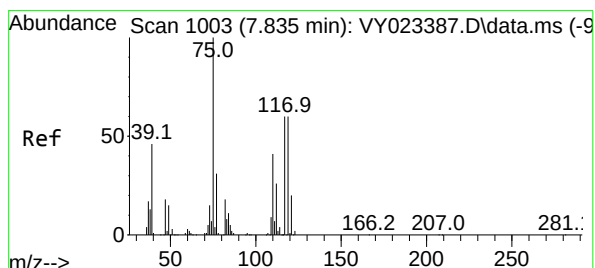
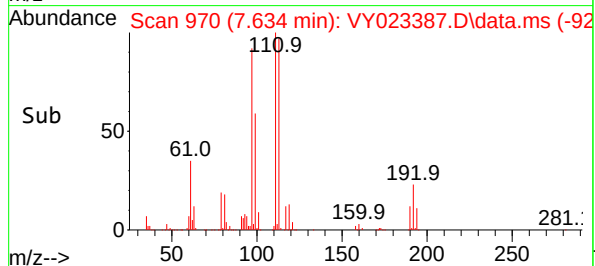
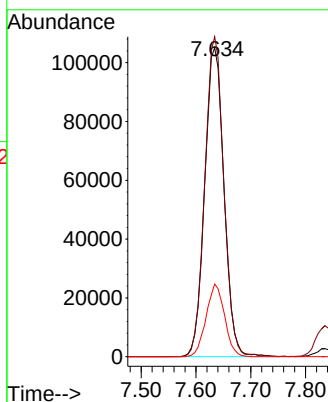
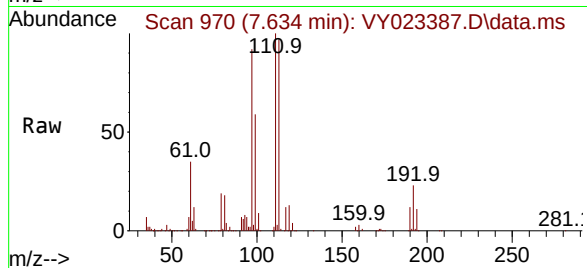
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 46.424 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

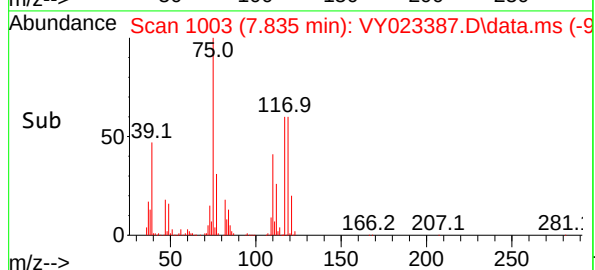
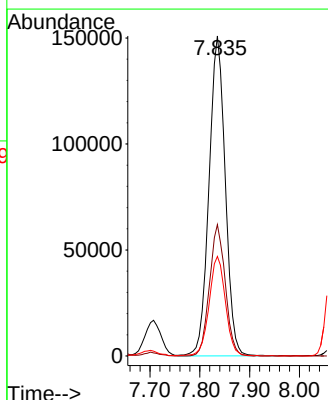
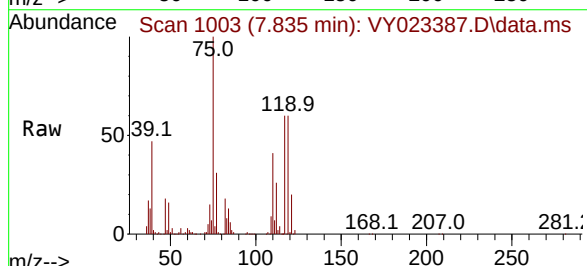
Tgt Ion: 75 Resp: 341353

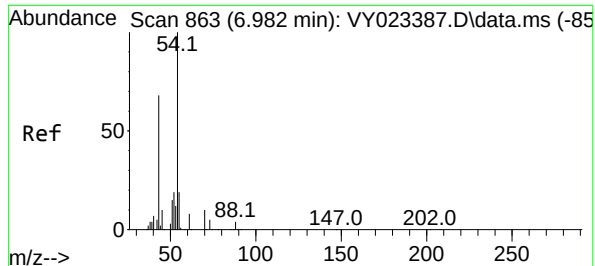
Ion Ratio Lower Upper

75 100

110 39.8 19.9 59.7

77 31.3 25.0 37.6





#37

Ethyl Acetate

Concen: 44.394 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 12905

Ion Ratio Lower Upper

43 100

61 14.8 11.8 17.8

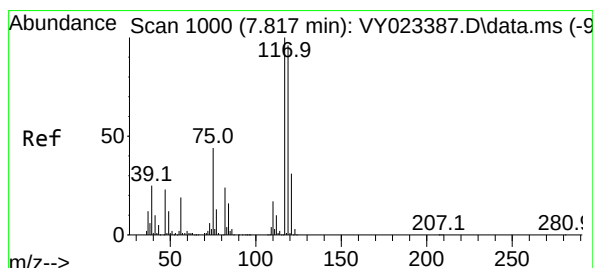
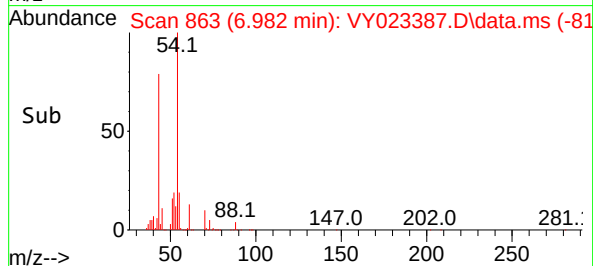
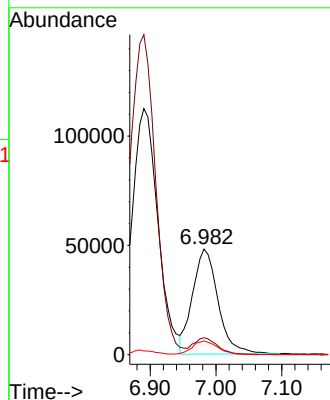
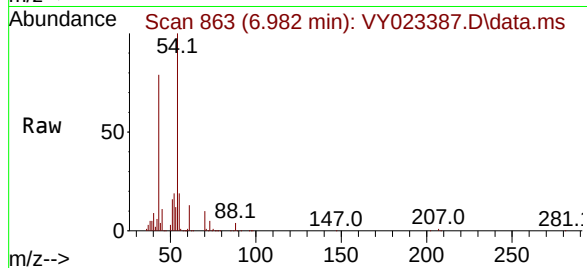
70 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 48.374 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

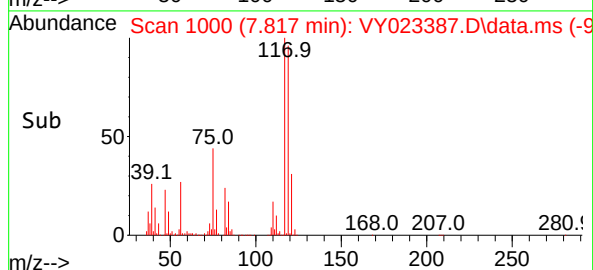
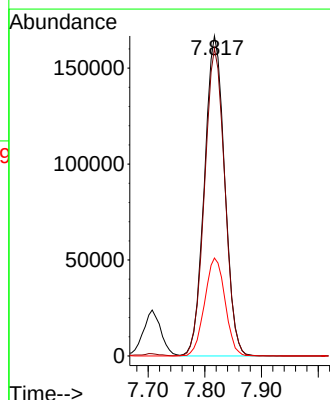
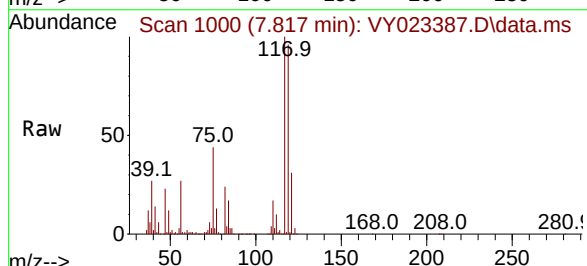
Tgt Ion:117 Resp: 413187

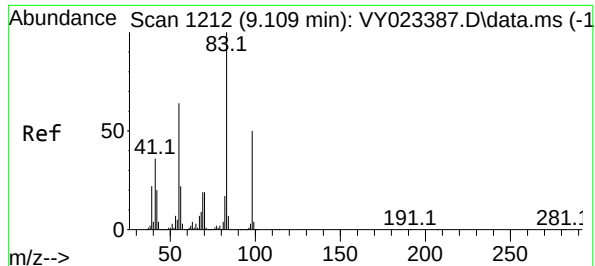
Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2

121 30.6 24.5 36.7





#39

Methylcyclohexane

Concen: 48.113 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 452959

Ion Ratio Lower Upper

83 100

55 64.3 51.4 77.2

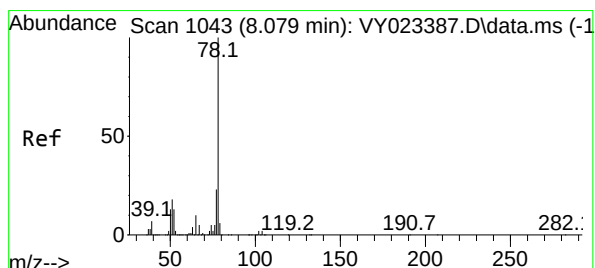
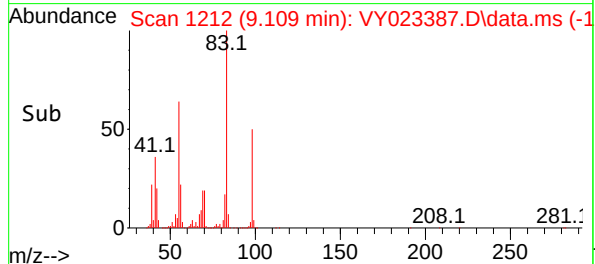
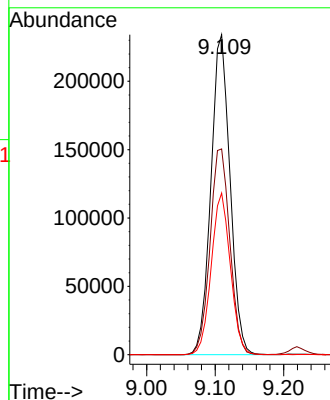
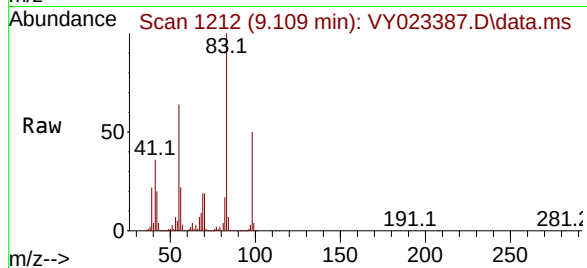
98 50.5 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 47.154 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023387.D

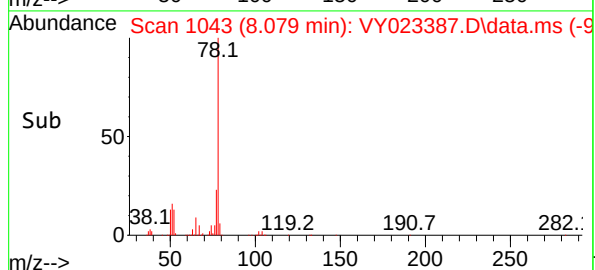
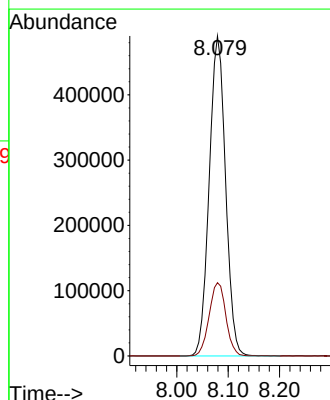
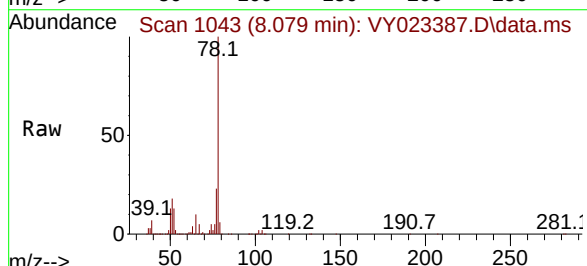
Acq: 07 Oct 2025 11:47

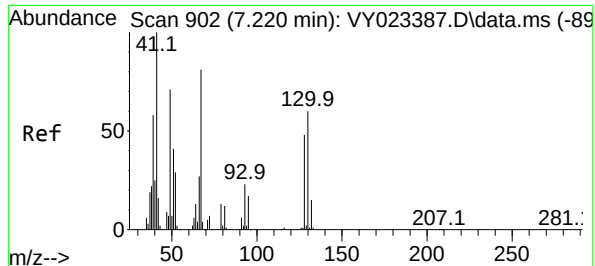
Tgt Ion: 78 Resp: 1080883

Ion Ratio Lower Upper

78 100

77 22.9 18.3 27.5





#41

Methacrylonitrile

Concen: 45.399 ug/l

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 6854

Ion Ratio Lower Upper

41 100

39 65.3 52.2 78.4

67 93.6 74.9 112.3

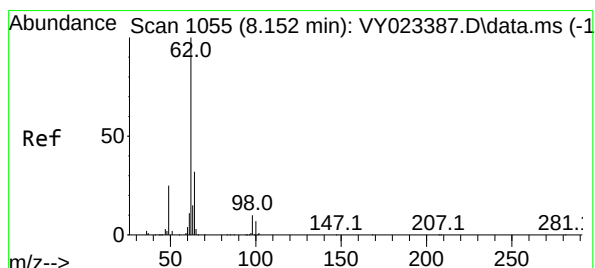
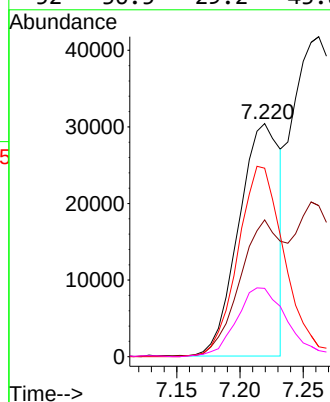
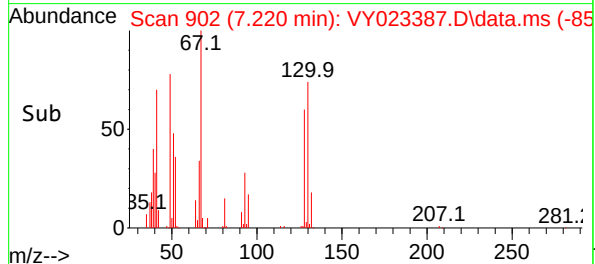
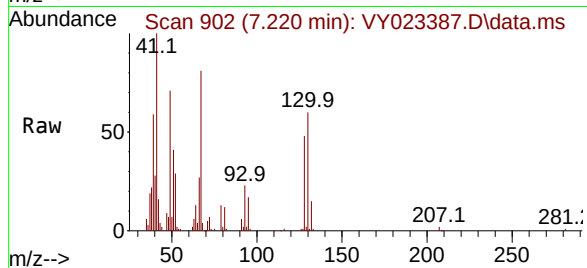
52 36.5 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 46.350 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VY023387.D

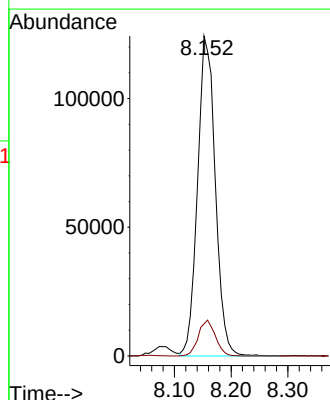
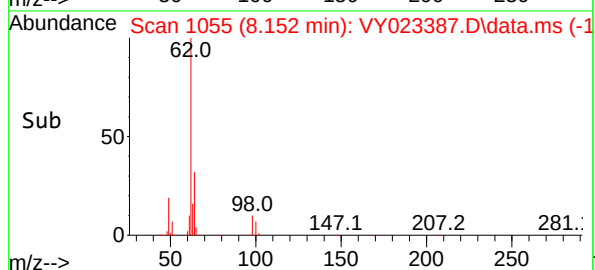
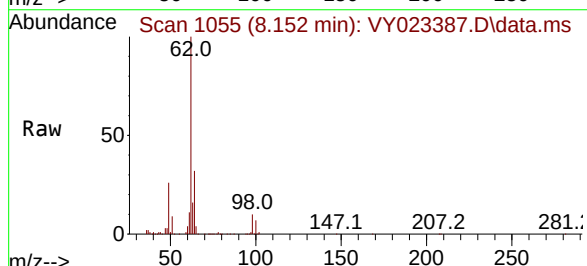
Acq: 07 Oct 2025 11:47

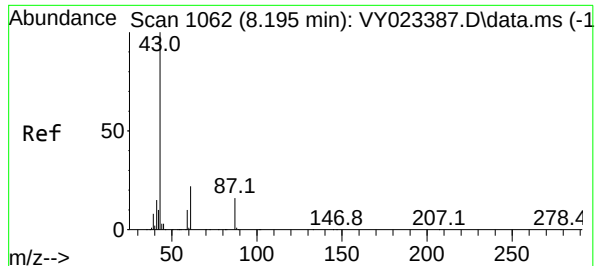
Tgt Ion: 62 Resp: 270387

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.6





#43

Isopropyl Acetate

Concen: 45.811 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 25904

Ion Ratio Lower Upper

43 100

61 22.6 18.1 27.1

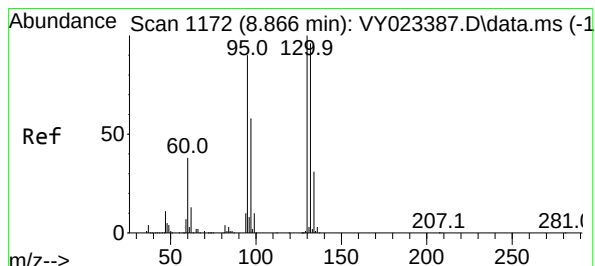
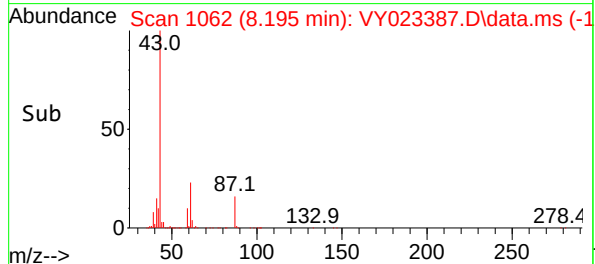
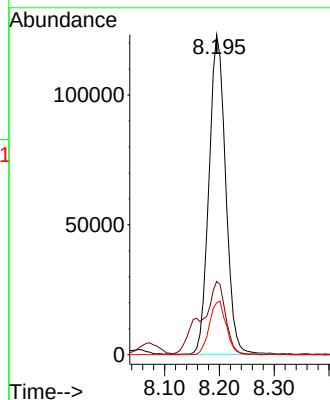
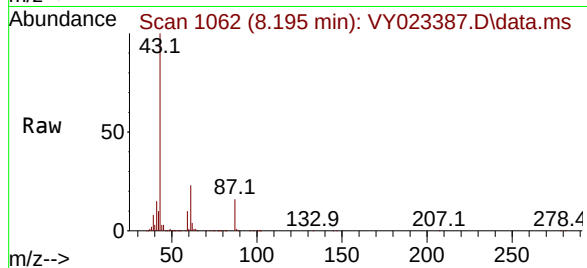
87 16.9 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 48.982 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023387.D

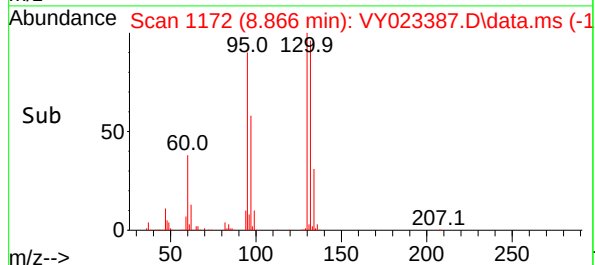
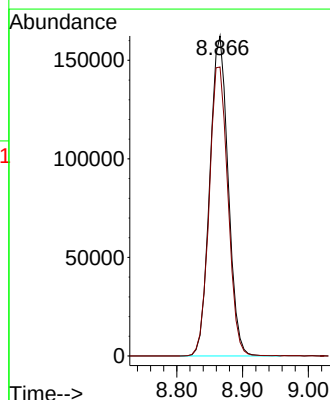
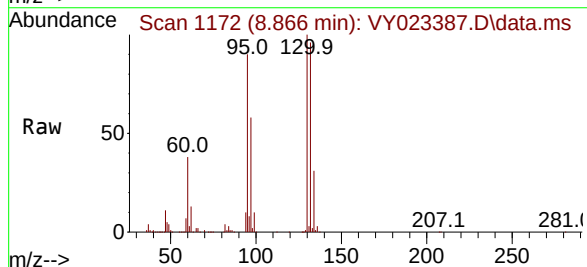
Acq: 07 Oct 2025 11:47

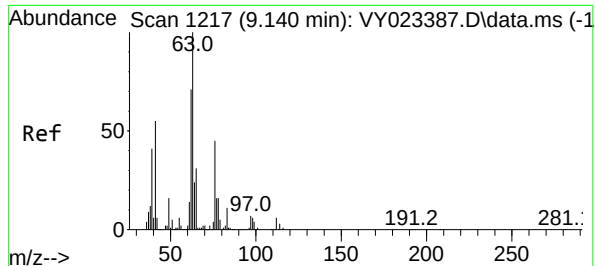
Tgt Ion:130 Resp: 315104

Ion Ratio Lower Upper

130 100

95 90.3 0.0 180.6





#45

1,2-Dichloropropane

Concen: 45.555 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 234978

Ion Ratio Lower Upper

63 100

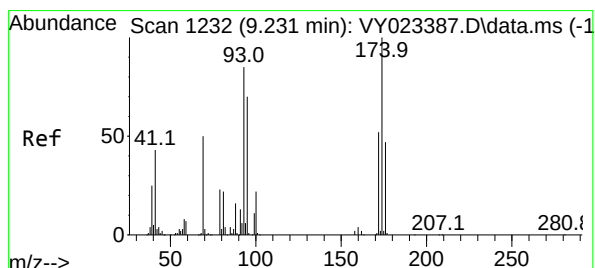
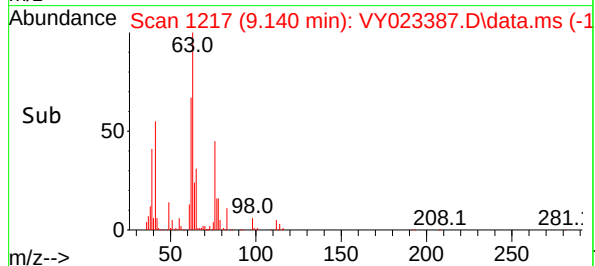
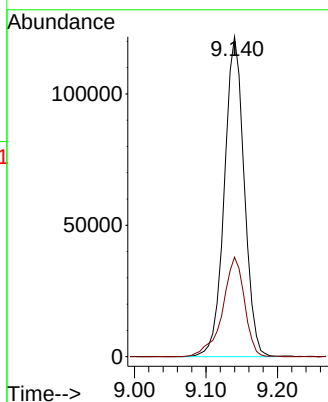
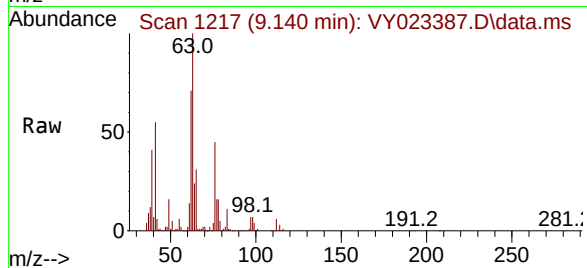
65 31.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 47.198 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

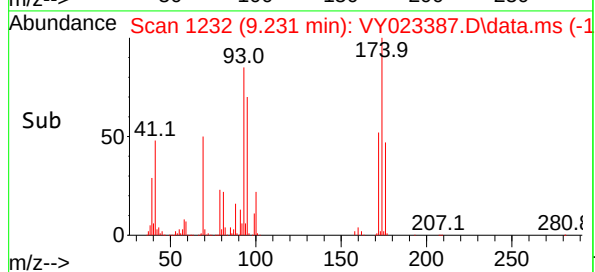
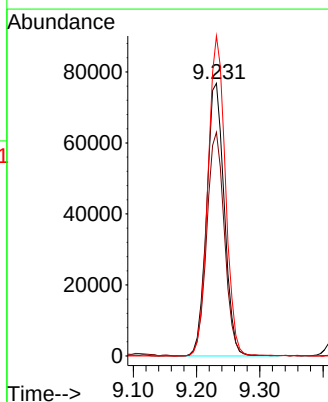
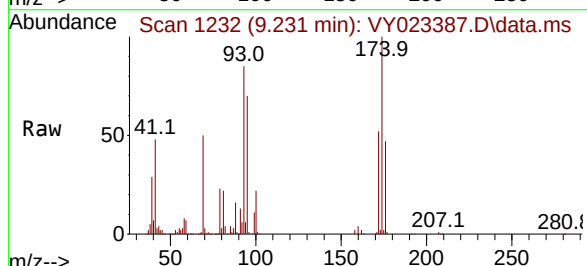
Tgt Ion: 93 Resp: 148914

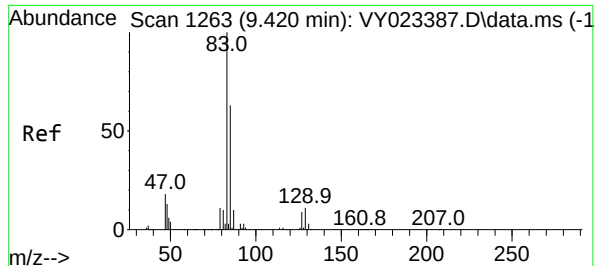
Ion Ratio Lower Upper

93 100

95 81.7 65.4 98.0

174 116.1 92.9 139.3





#47

Bromodichloromethane

Concen: 47.482 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

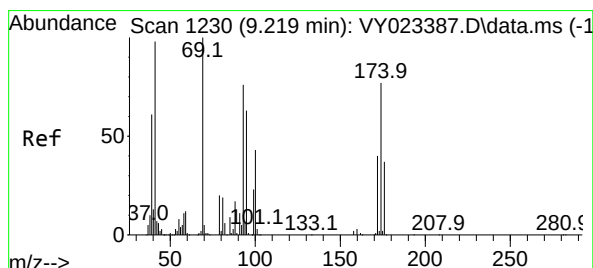
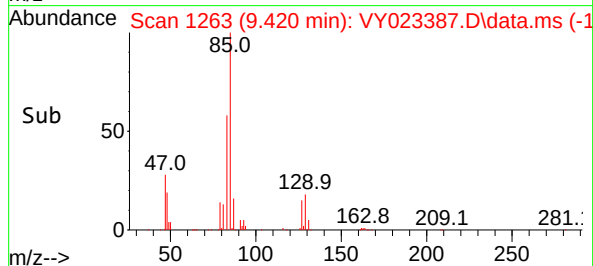
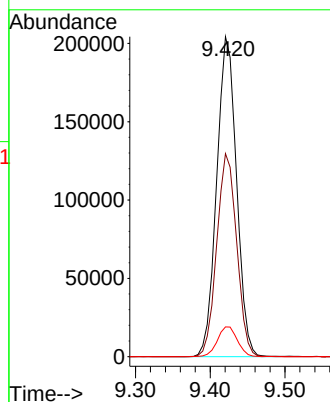
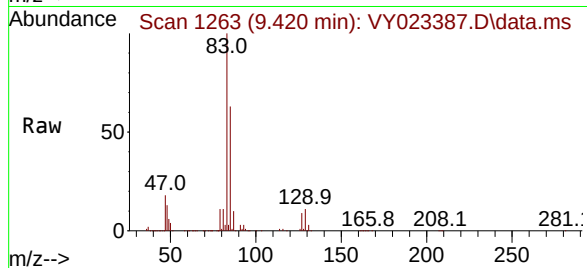
VSTDICCC050

Tgt Ion:	83	Resp:	377084
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	9.3	7.4	11.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

Concen: 48.027 ug/l

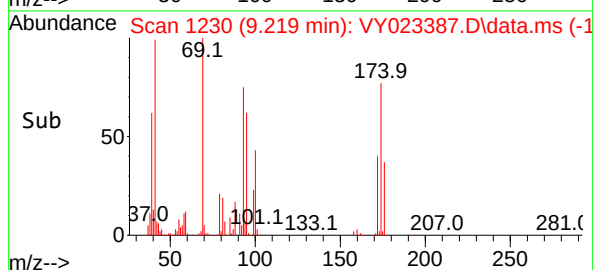
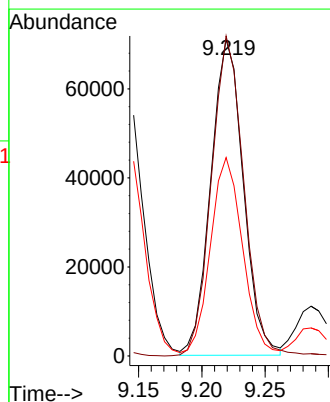
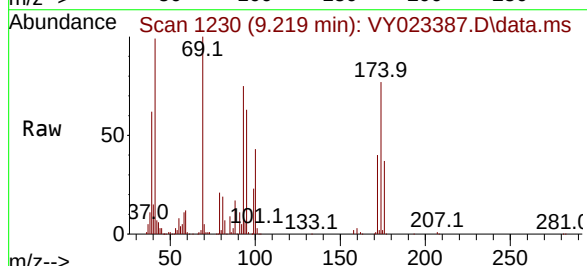
RT: 9.219 min Scan# 1230

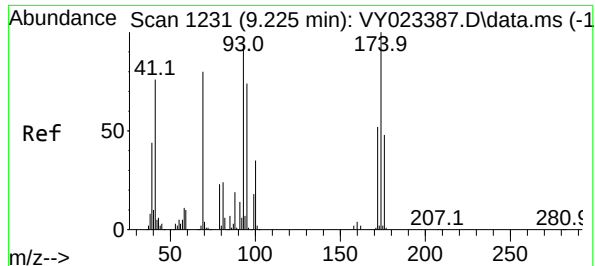
Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion:	41	Resp:	126732
Ion	Ratio	Lower	Upper
41	100		
69	101.2	81.0	121.4
39	60.3	48.2	72.4





#49

1,4-Dioxane

Concen: 1042.312 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

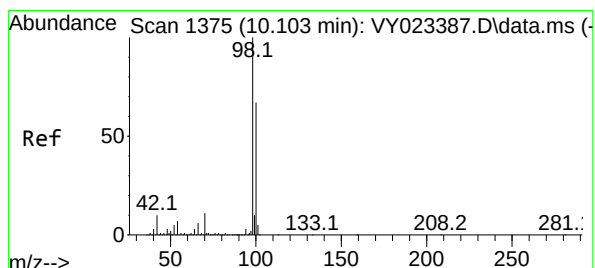
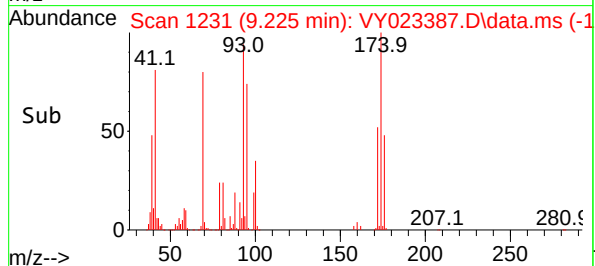
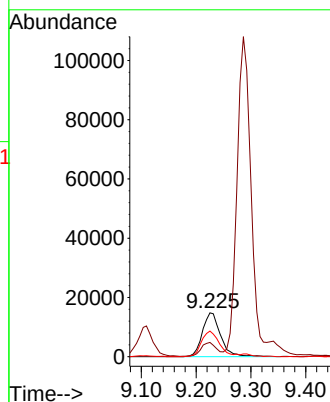
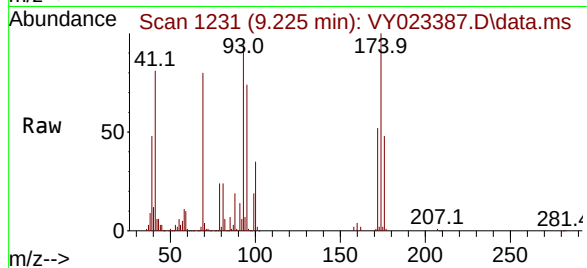
VSTDICCC050

Tgt Ion:	88	Resp:	3405
Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.8	32.8
58	58.5	46.8	70.2

Manual Integrations

APPROVED

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



#50

Toluene-d8

Concen: 49.334 ug/l

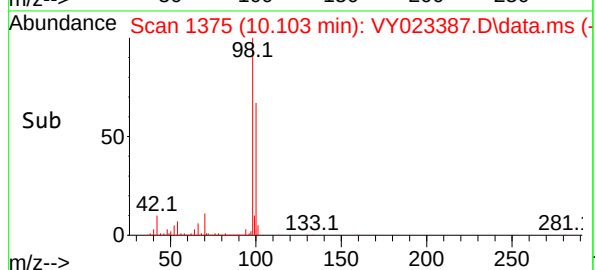
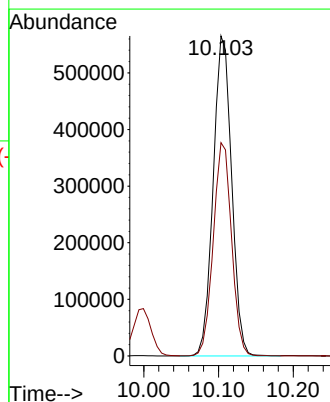
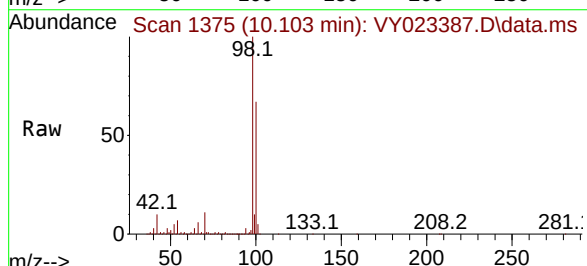
RT: 10.103 min Scan# 1375

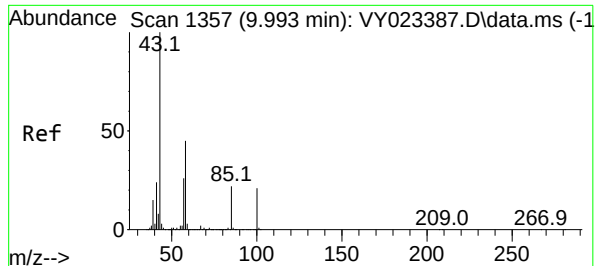
Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion:	98	Resp:	969649
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 235.772 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 682879

Ion Ratio Lower Upper

43 100

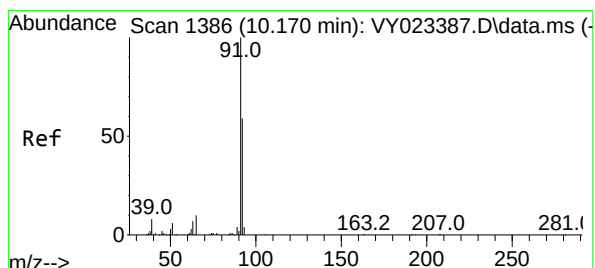
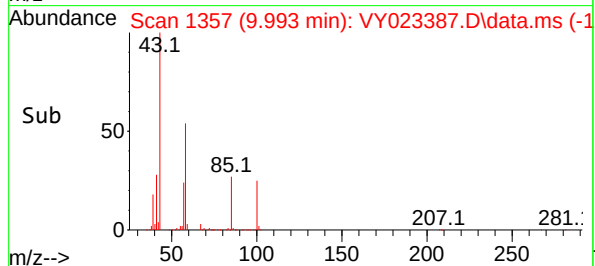
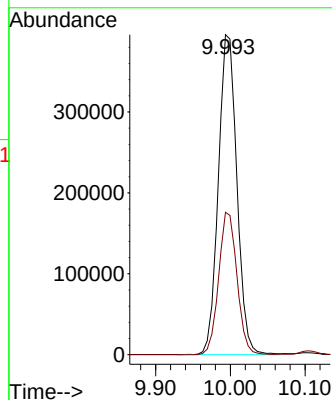
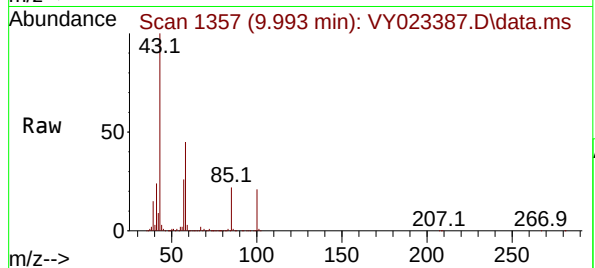
58 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Toluene

Concen: 48.824 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023387.D

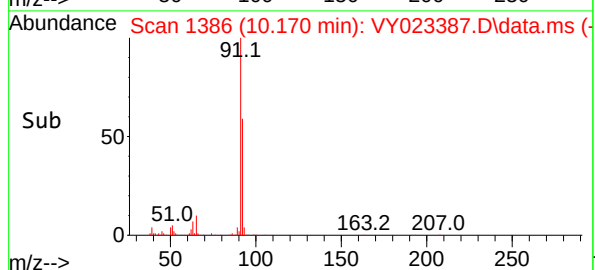
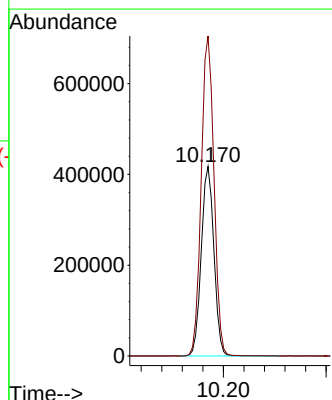
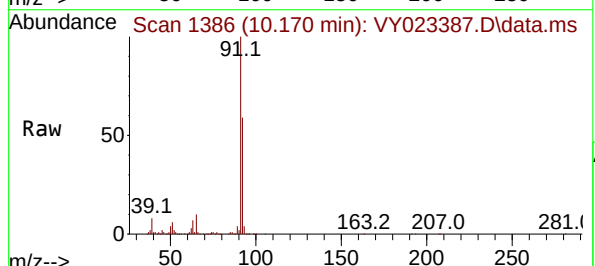
Acq: 07 Oct 2025 11:47

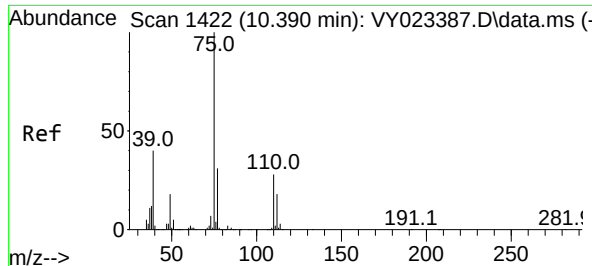
Tgt Ion: 92 Resp: 710404

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





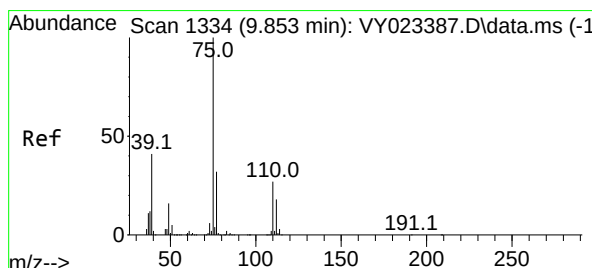
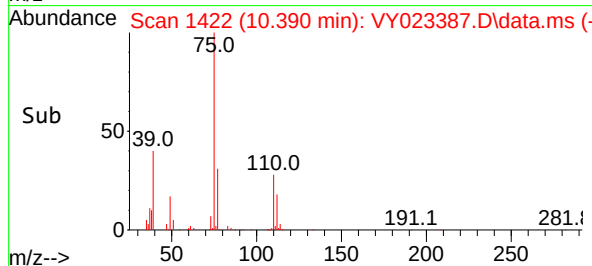
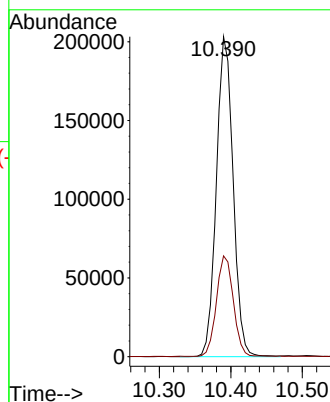
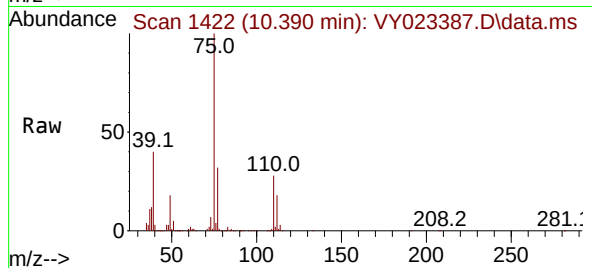
#53
t-1,3-Dichloropropene
Concen: 48.438 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 330392
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

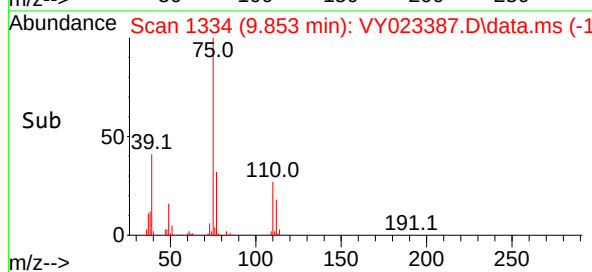
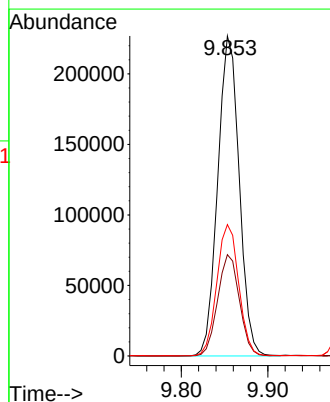
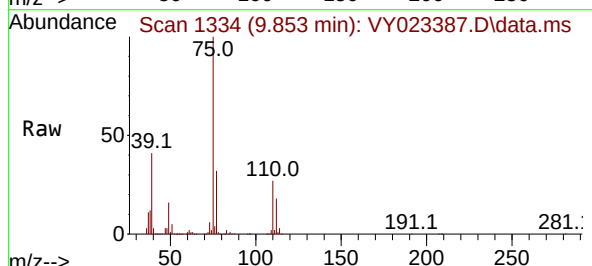
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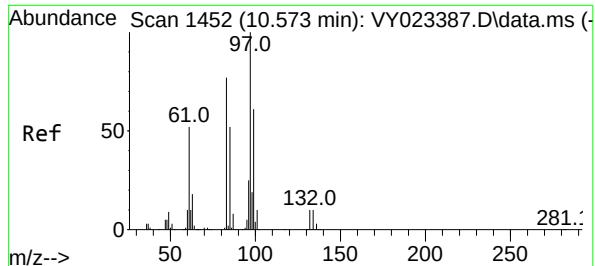
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 47.910 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

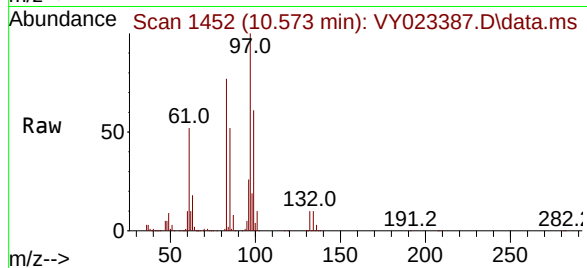
Tgt Ion: 75 Resp: 390619
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 41.0 32.8 49.2





#55
1,1,2-Trichloroethane
Concen: 47.296 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

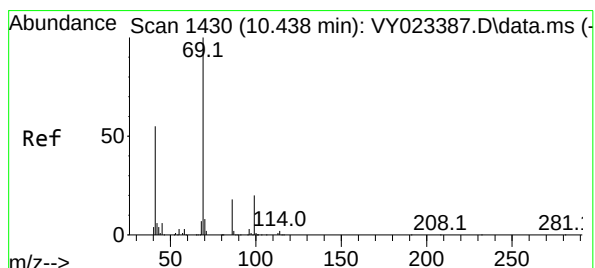
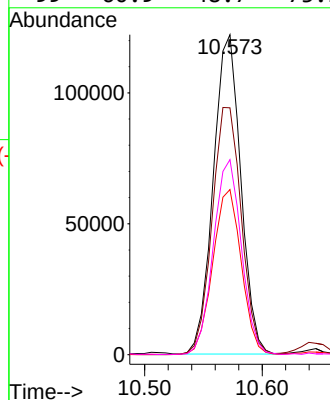
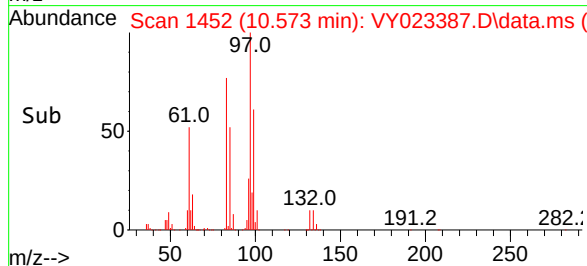
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 198478
Ion Ratio Lower Upper
97 100
83 77.2 61.8 92.6
85 51.6 41.3 61.9
99 60.9 48.7 73.1

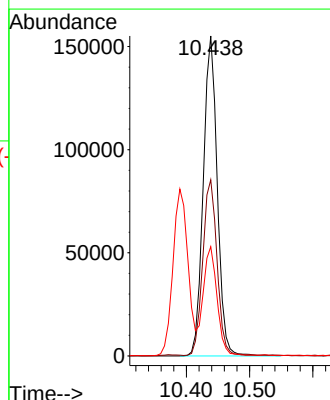
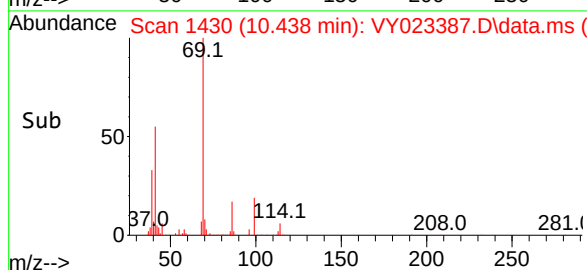
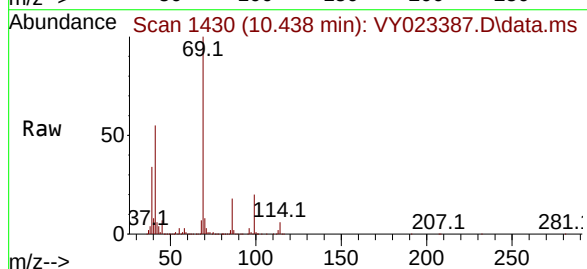
Manual Integrations
APPROVED

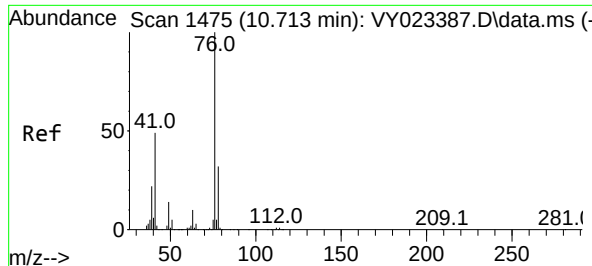
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Ethyl methacrylate
Concen: 49.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 69 Resp: 239407
Ion Ratio Lower Upper
69 100
41 55.8 44.6 67.0
39 33.7 27.0 40.4





#57

1,3-Dichloropropane

Concen: 47.301 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 321270

Ion Ratio Lower Upper

76 100

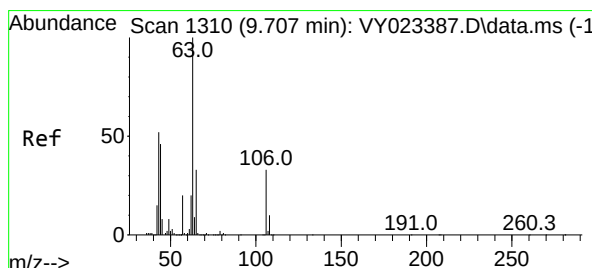
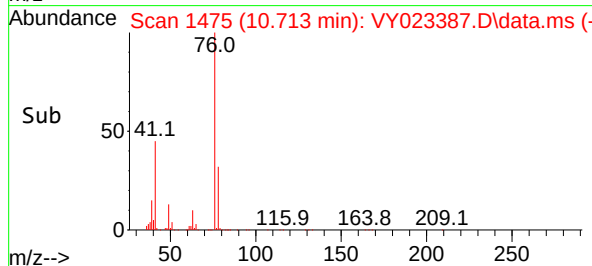
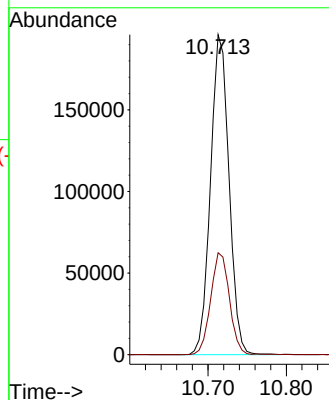
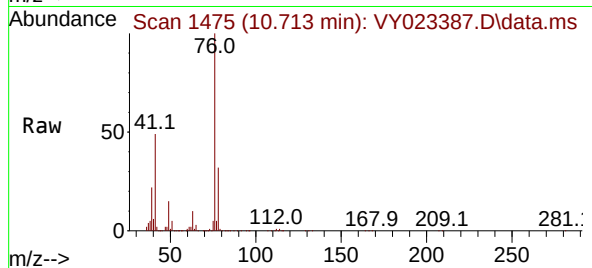
78 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 261.921 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023387.D

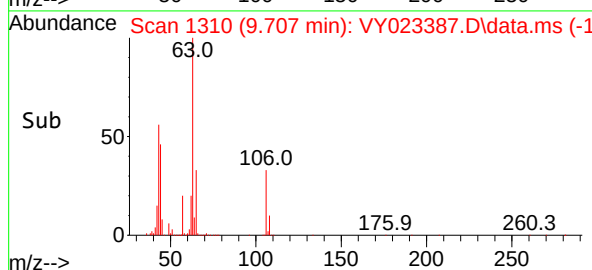
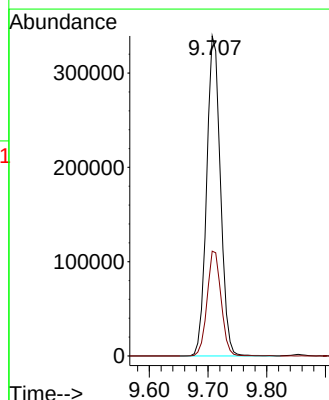
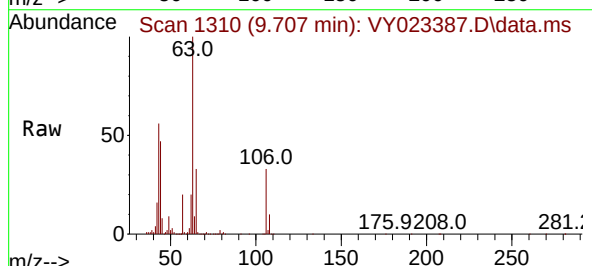
Acq: 07 Oct 2025 11:47

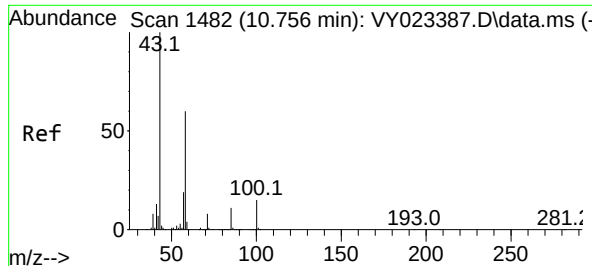
Tgt Ion: 63 Resp: 553816

Ion Ratio Lower Upper

63 100

106 33.2 26.6 39.8





#59

2-Hexanone

Concen: 239.162 ug/l

RT: 10.756 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 479600

Ion Ratio Lower Upper

43 100

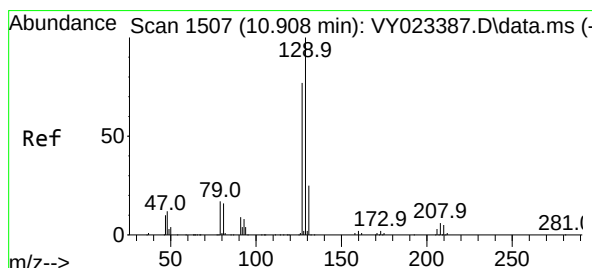
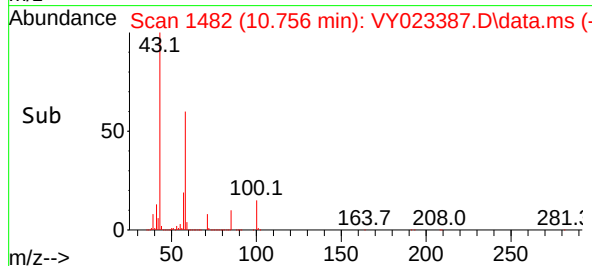
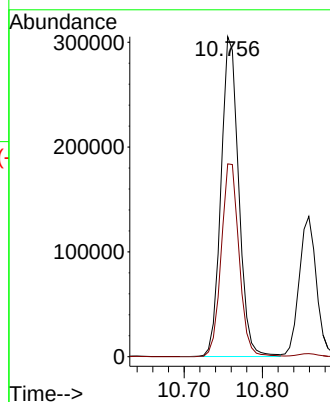
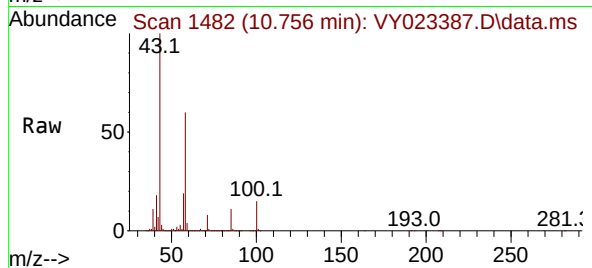
58 61.0 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 49.103 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023387.D

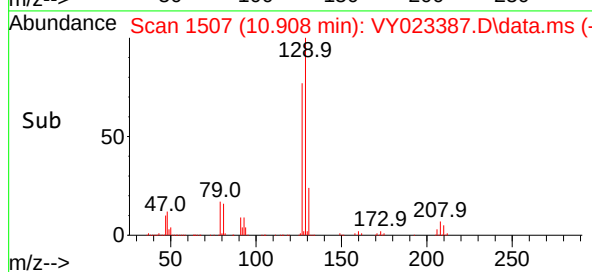
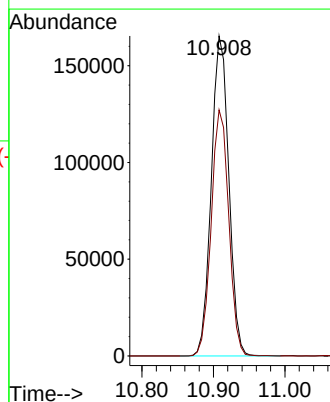
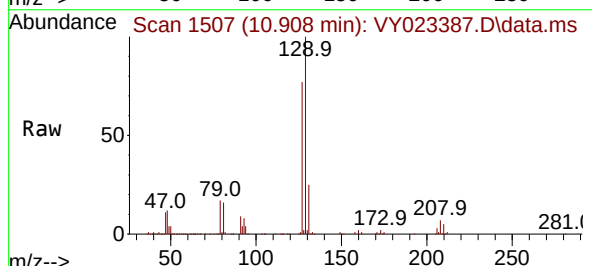
Acq: 07 Oct 2025 11:47

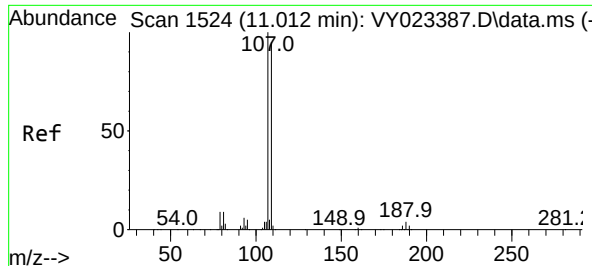
Tgt Ion:129 Resp: 281047

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 48.468 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:107 Resp: 191350

Ion Ratio Lower Upper

107 100

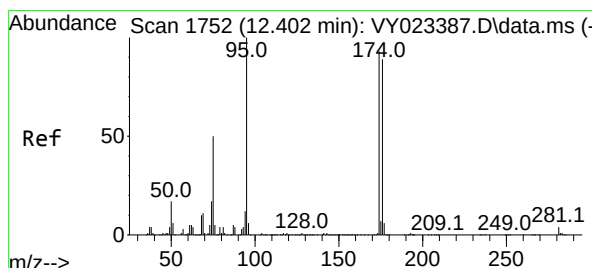
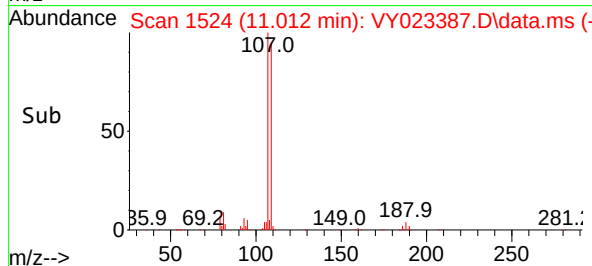
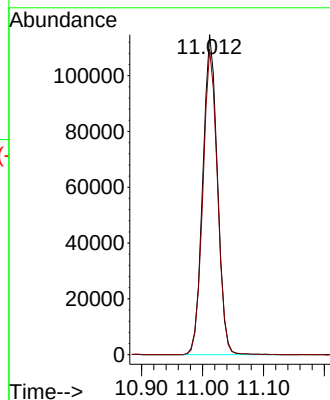
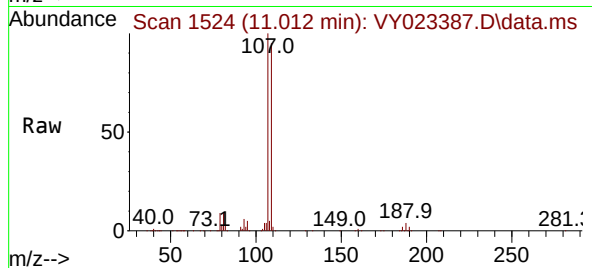
109 95.1 76.1 114.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#62

4-Bromofluorobenzene

Concen: 50.546 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

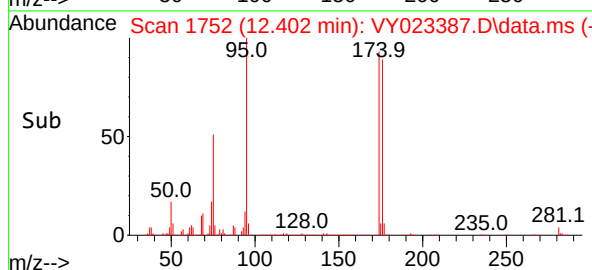
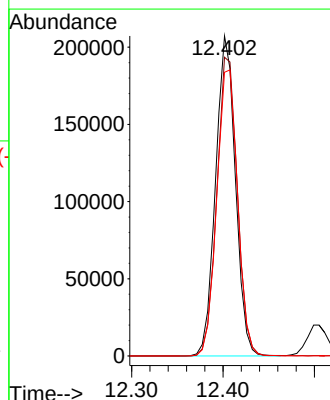
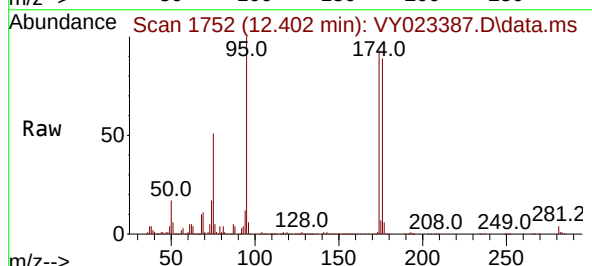
Tgt Ion: 95 Resp: 313426

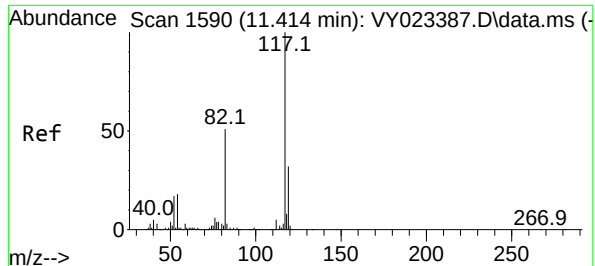
Ion Ratio Lower Upper

95 100

174 96.4 0.0 192.8

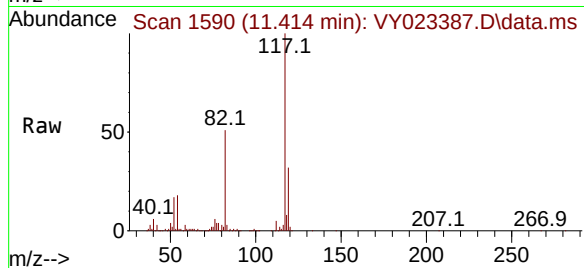
176 93.8 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

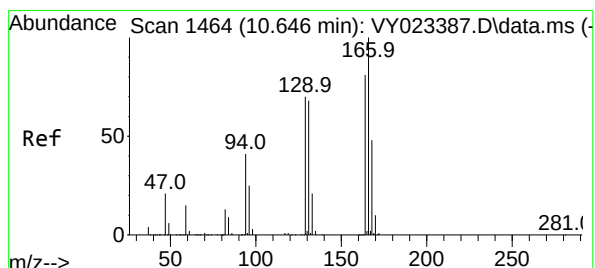
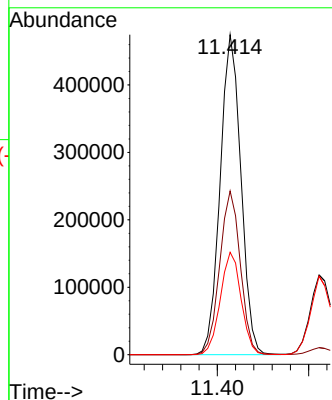
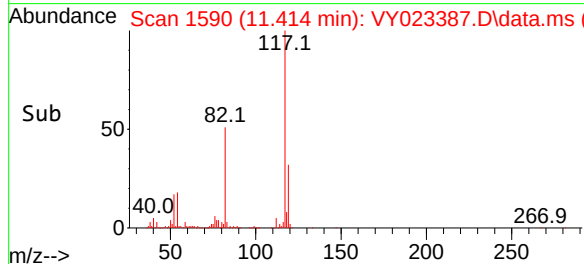
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



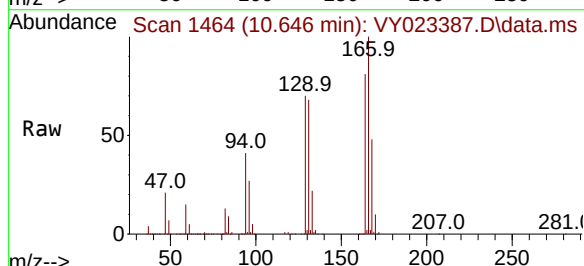
Tgt Ion:117 Resp: 749869
Ion Ratio Lower Upper
117 100
82 51.2 41.0 61.4
119 32.0 25.6 38.4

Manual Integrations
APPROVED

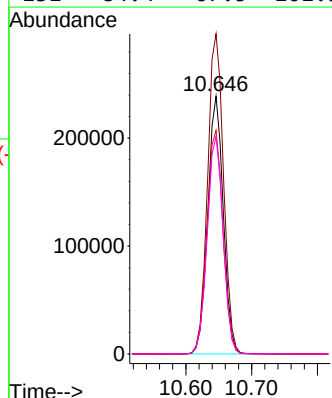
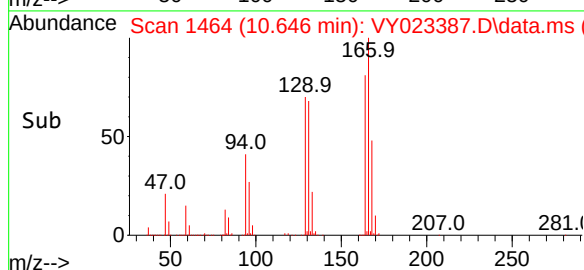
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

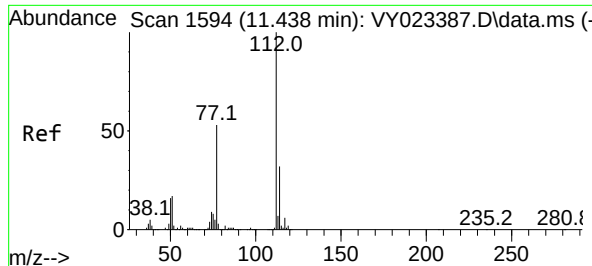


#64
Tetrachloroethene
Concen: 52.264 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47



Tgt Ion:164 Resp: 392056
Ion Ratio Lower Upper
164 100
166 124.2 99.4 149.0
129 86.8 69.4 104.2
131 84.4 67.5 101.3





#65

Chlorobenzene

Concen: 48.460 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 789650

Ion Ratio Lower Upper

112 100

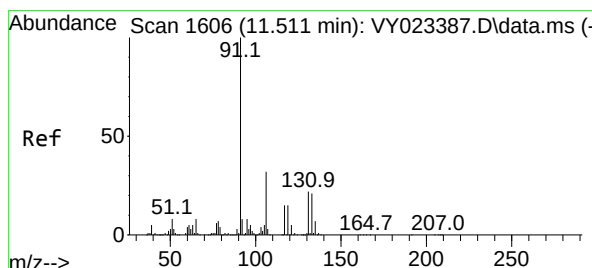
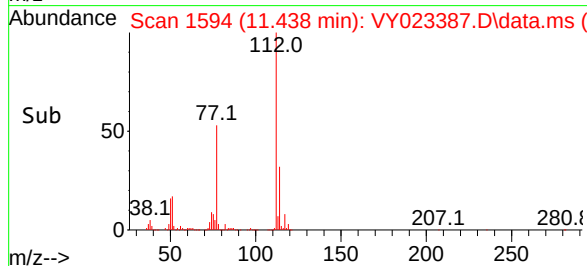
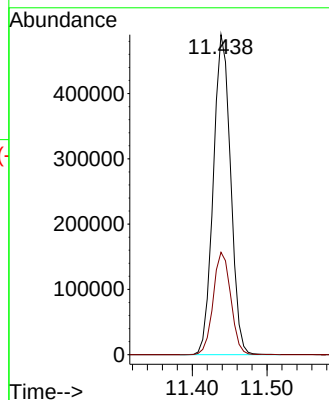
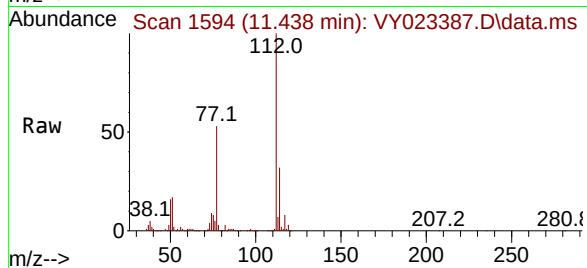
114 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 48.788 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

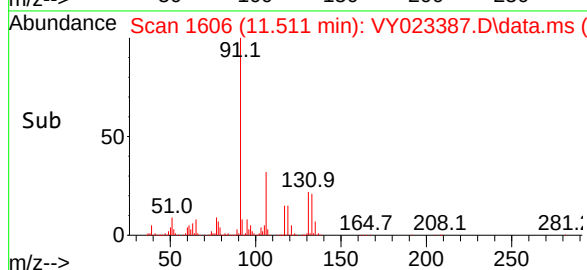
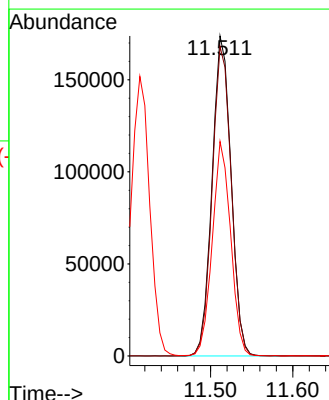
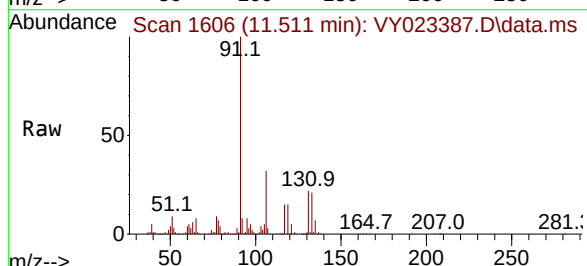
Tgt Ion:131 Resp: 279583

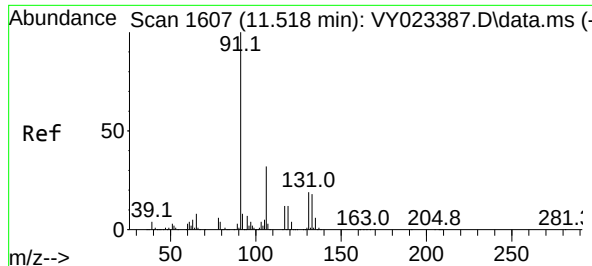
Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.2

119 64.8 32.4 97.2





#67

Ethyl Benzene

Concen: 50.099 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1332350

Ion Ratio Lower Upper

91 100

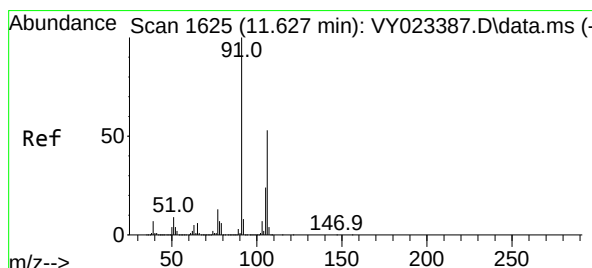
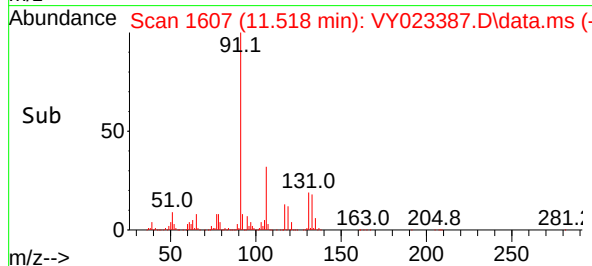
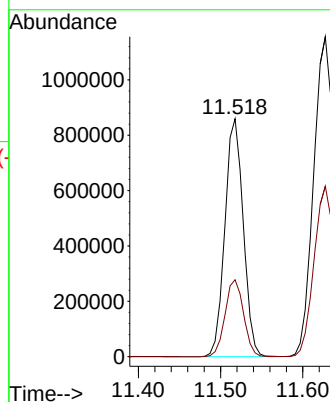
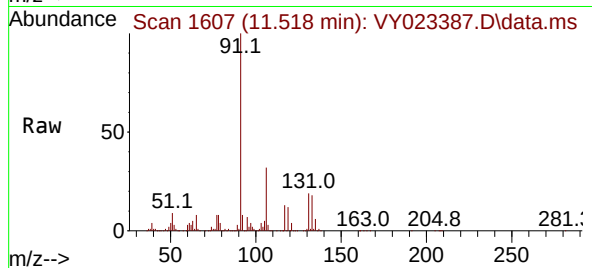
106 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 101.092 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023387.D

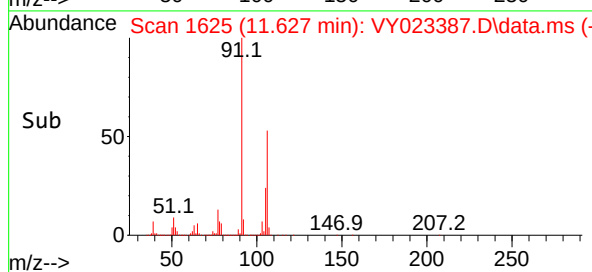
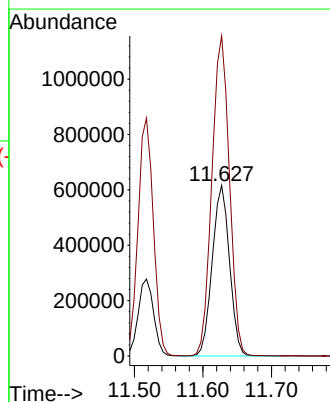
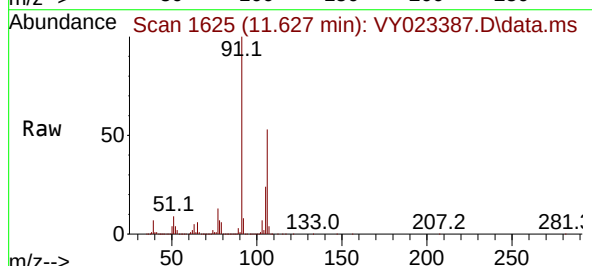
Acq: 07 Oct 2025 11:47

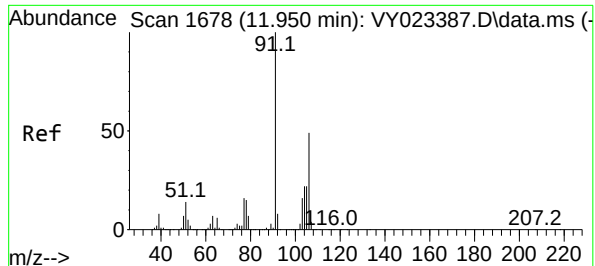
Tgt Ion:106 Resp: 1077583

Ion Ratio Lower Upper

106 100

91 190.8 152.6 229.0





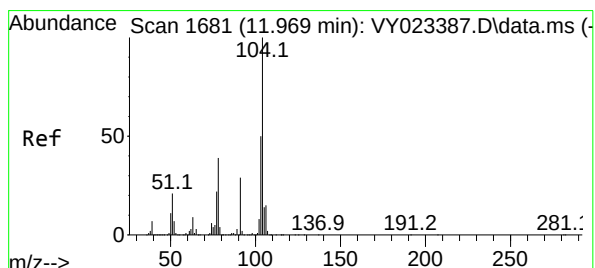
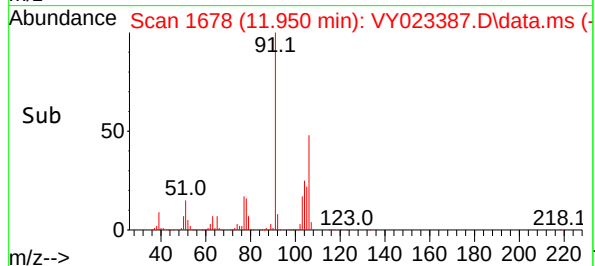
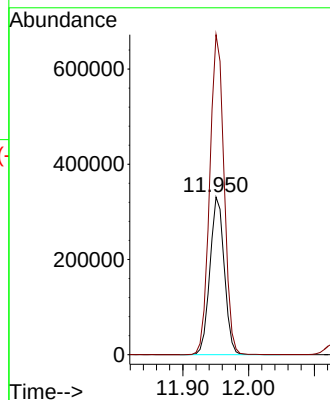
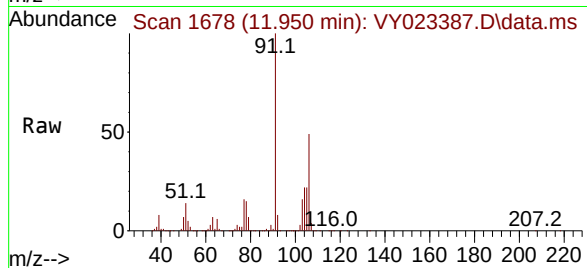
#69
o-Xylene
Concen: 50.946 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 502722
Ion Ratio Lower Upper
106 100
91 202.7 101.4 304.1

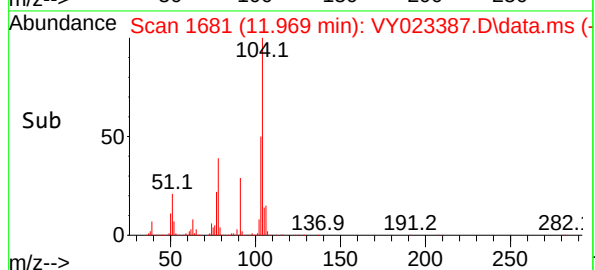
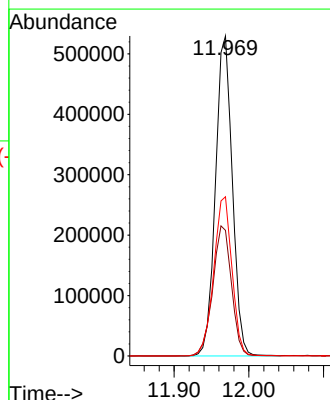
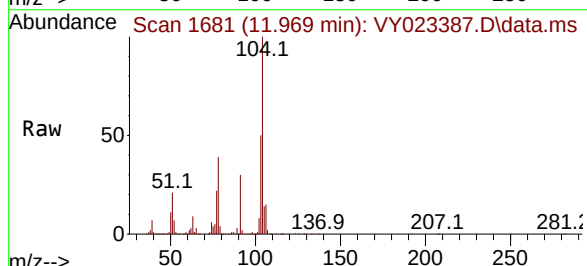
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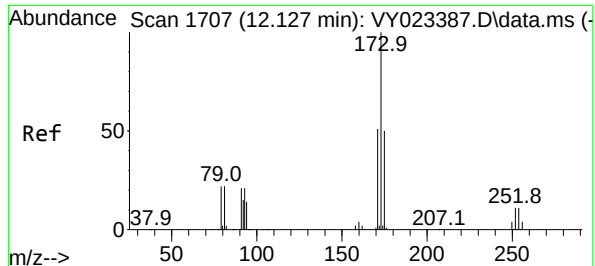
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
Styrene
Concen: 51.059 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

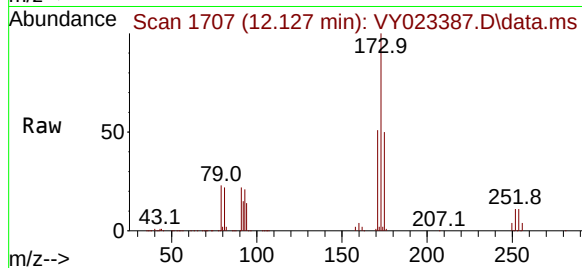
Tgt Ion:104 Resp: 831908
Ion Ratio Lower Upper
104 100
78 45.1 36.1 54.1
103 54.0 43.2 64.8





#71
Bromoform
Concen: 50.229 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

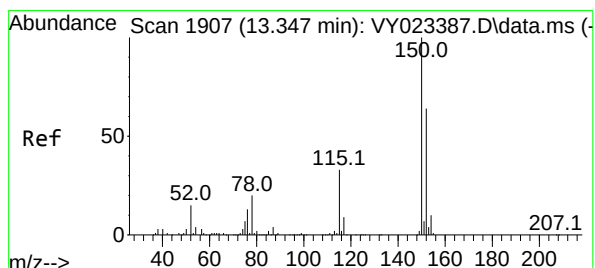
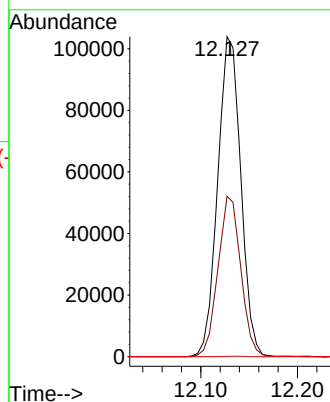
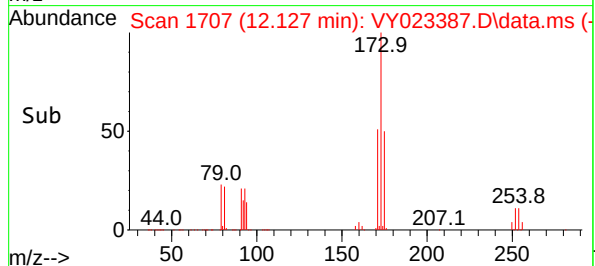
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



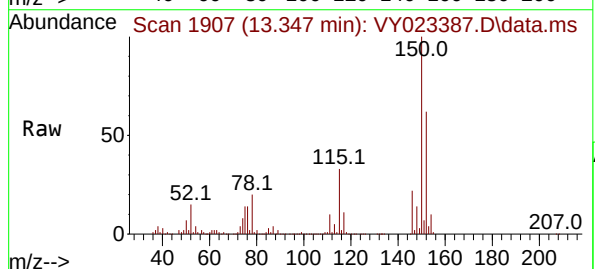
Tgt Ion:173 Resp: 172315
Ion Ratio Lower Upper
173 100
175 49.5 24.8 74.3
254 0.1 0.1 0.1

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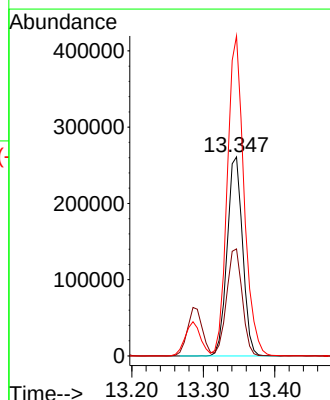
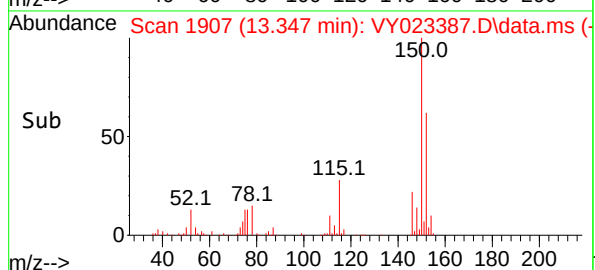
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

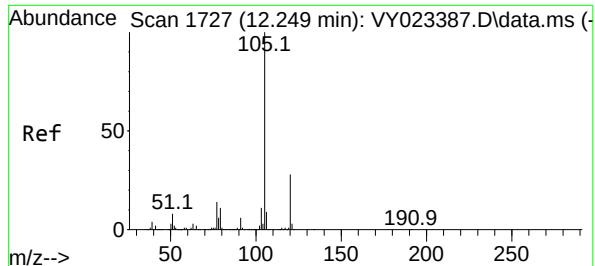


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47



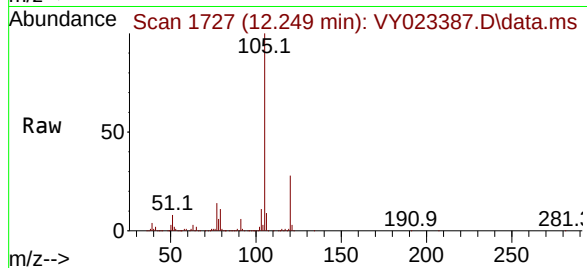
Tgt Ion:152 Resp: 392169
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 173.7 0.0 347.4





#73
Isopropylbenzene
Concen: 49.803 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

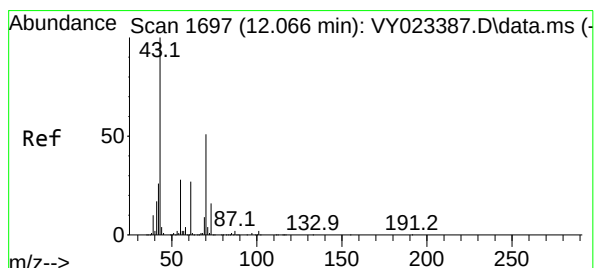
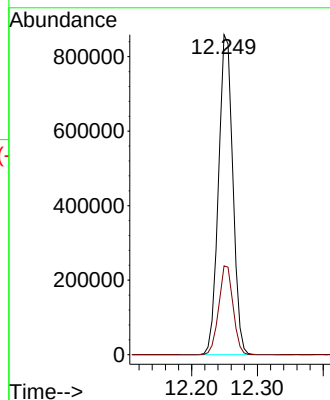
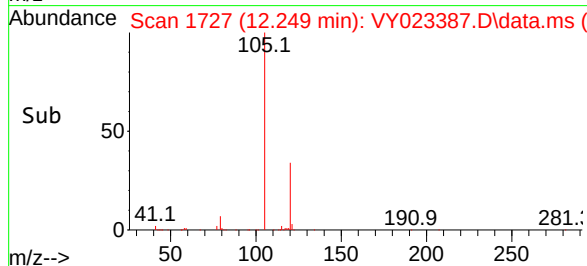
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 1301009
Ion Ratio Lower Upper
105 100
120 27.8 13.9 41.7

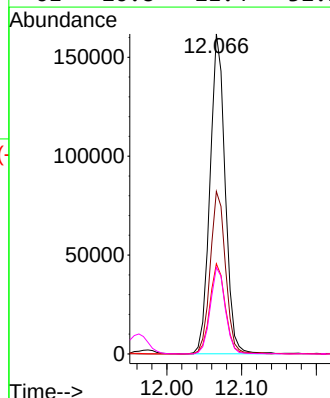
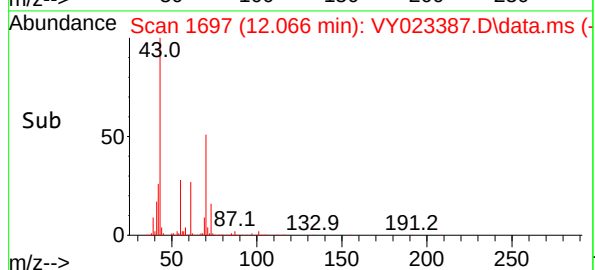
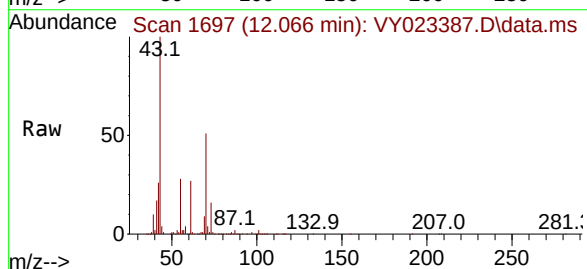
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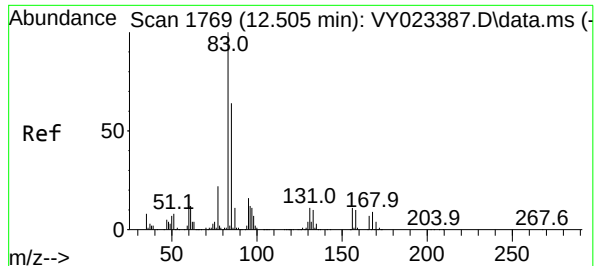
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 46.640 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 227684
Ion Ratio Lower Upper
43 100
70 51.4 41.1 61.7
55 28.8 23.0 34.6
61 26.8 21.4 32.2





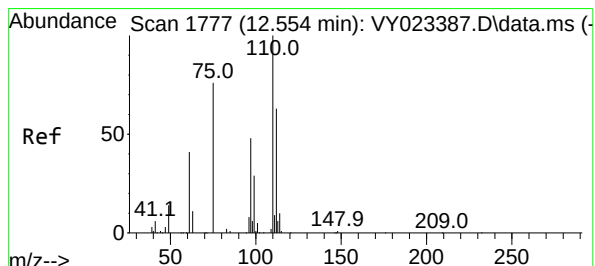
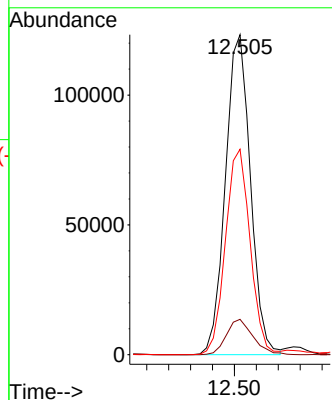
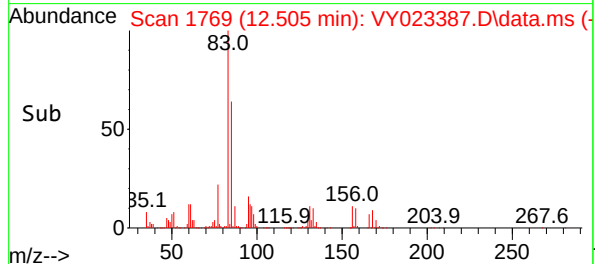
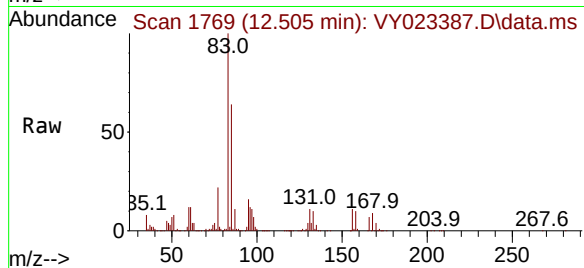
#75
1,1,2-Tetrachloroethane
Concen: 44.878 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 19556
Ion Ratio Lower Upper
83 100
131 11.7 5.9 17.6
85 63.5 31.8 95.3

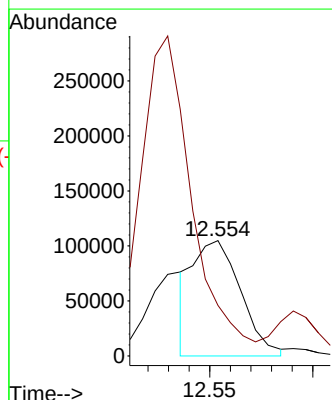
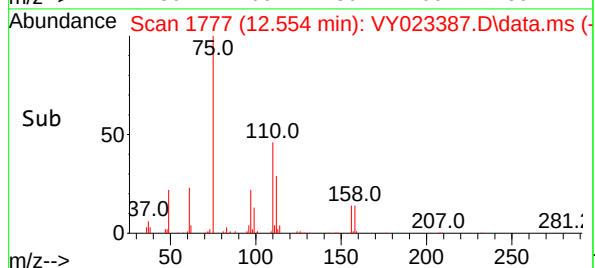
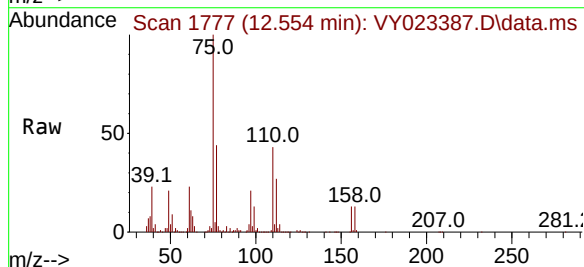
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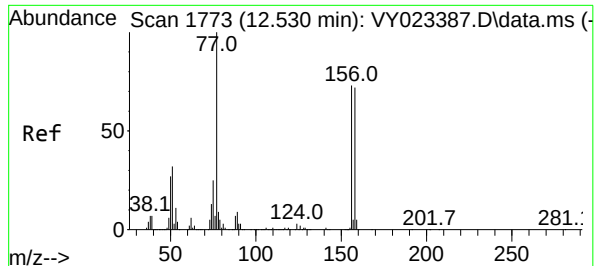
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 43.898 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 169814
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





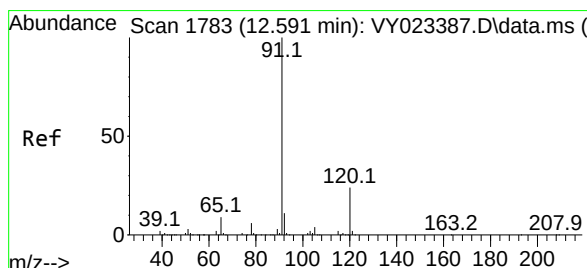
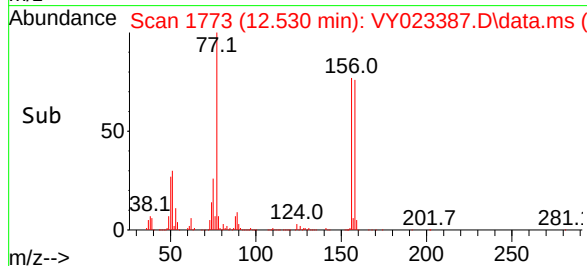
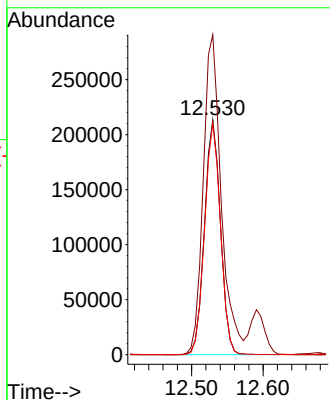
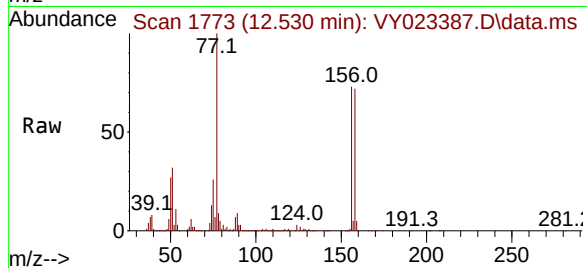
#77
Bromobenzene
Concen: 49.419 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 33133
Ion Ratio Lower Upper
156 100
77 153.7 76.8 230.5
158 98.1 49.0 147.2

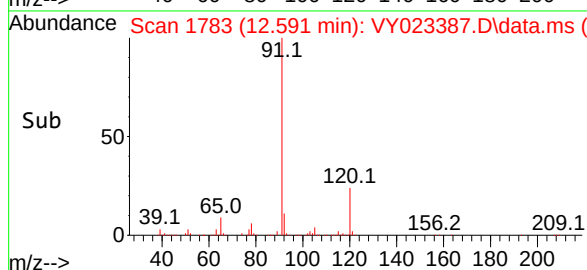
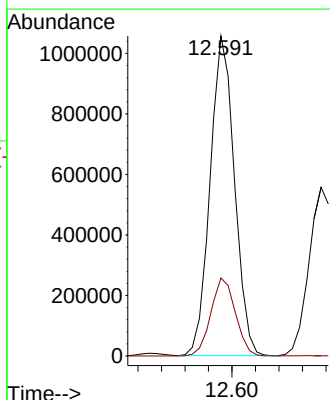
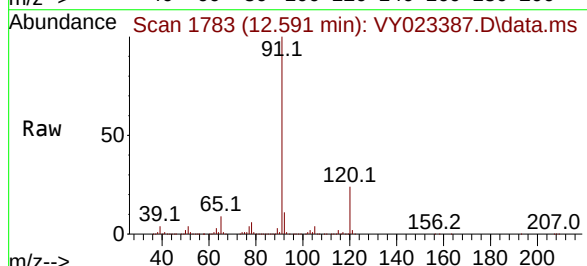
Manual Integrations
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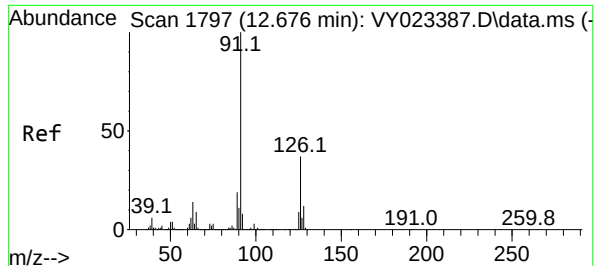
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 49.572 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 1522965
Ion Ratio Lower Upper
91 100
120 24.5 12.3 36.8





#79

2-Chlorotoluene

Concen: 49.235 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 87333

Ion Ratio Lower Upper

91 100

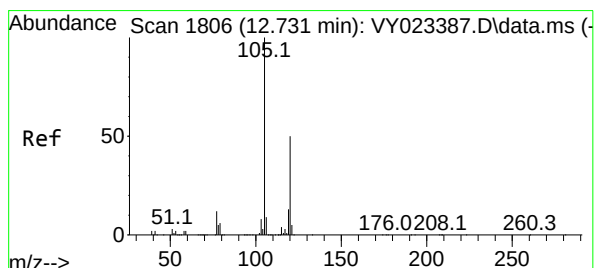
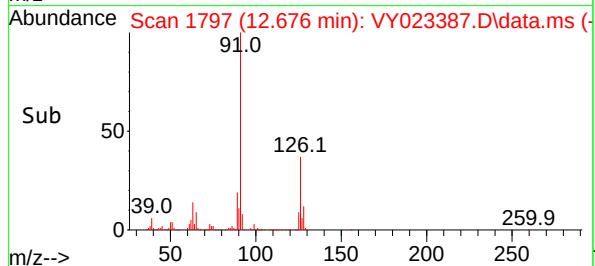
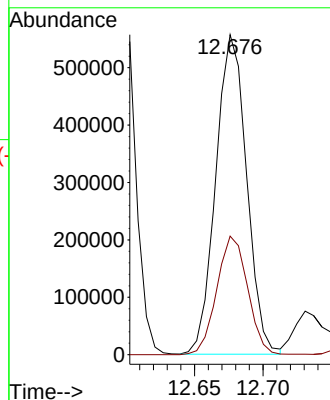
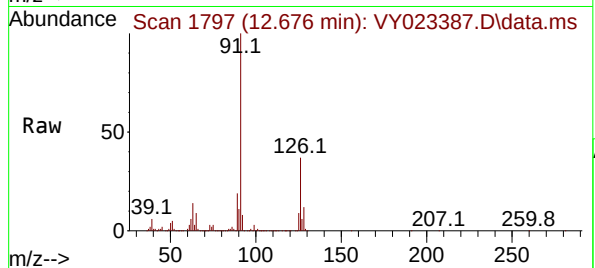
126 37.0 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 49.966 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023387.D

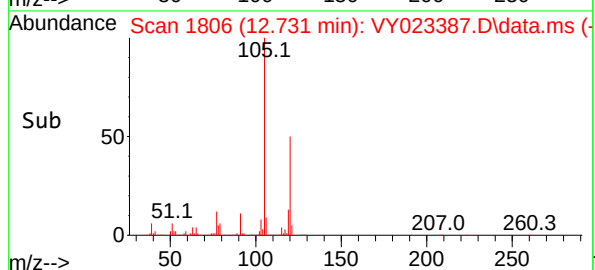
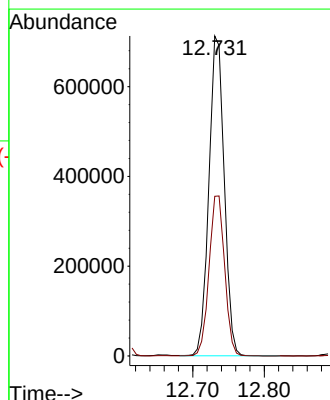
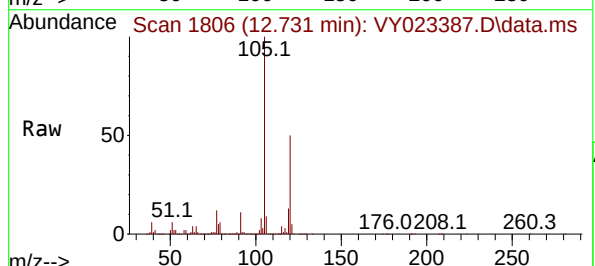
Acq: 07 Oct 2025 11:47

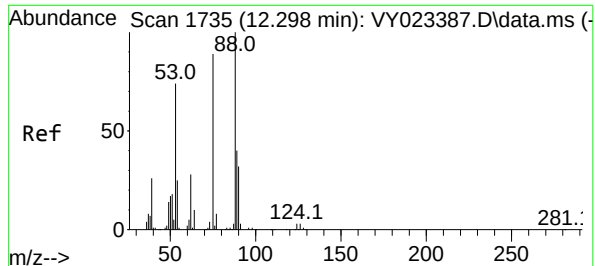
Tgt Ion:105 Resp: 1061112

Ion Ratio Lower Upper

105 100

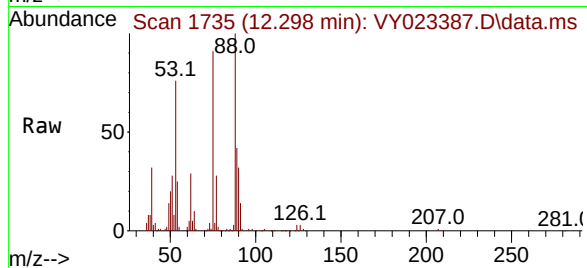
120 50.9 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 46.212 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

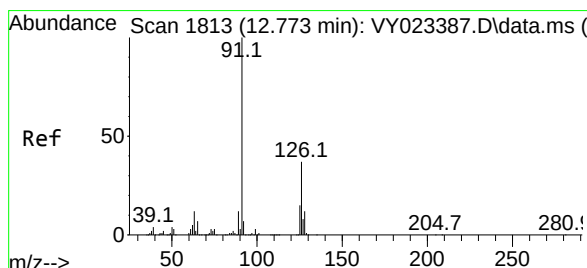
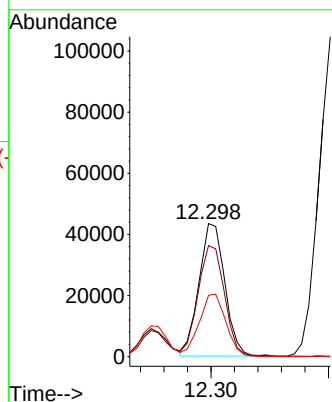
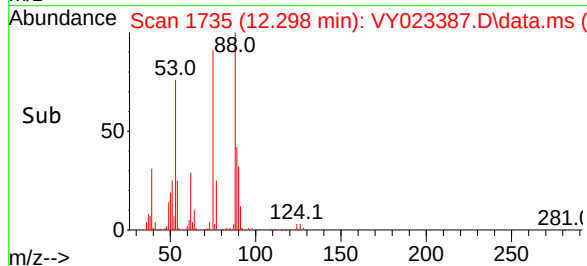
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 66295
Ion Ratio Lower Upper
75 100
53 85.7 68.6 102.8
89 48.7 39.0 58.4

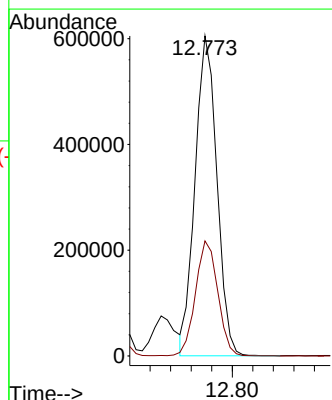
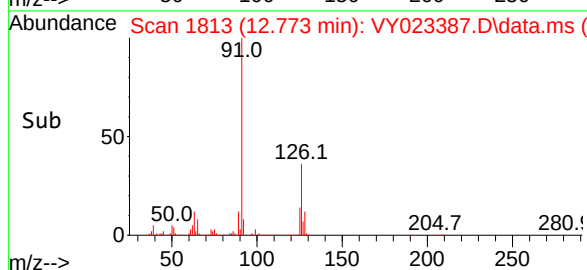
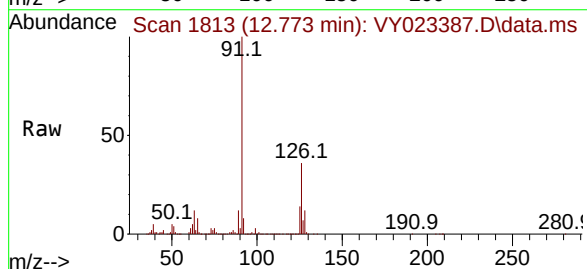
Manual Integrations
APPROVED

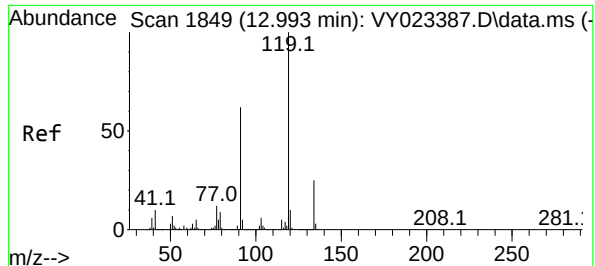
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 48.192 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

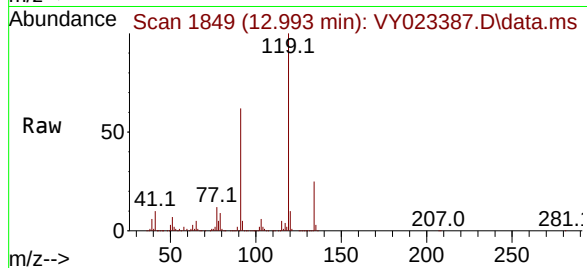
Tgt Ion: 91 Resp: 892764
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.4





#83
tert-Butylbenzene
Concen: 51.104 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

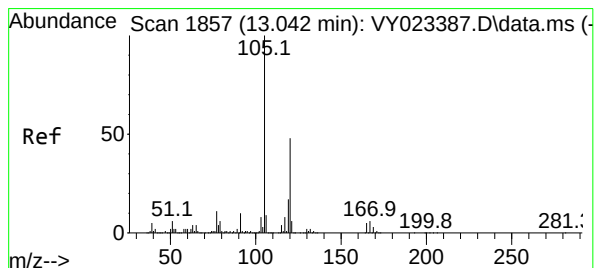
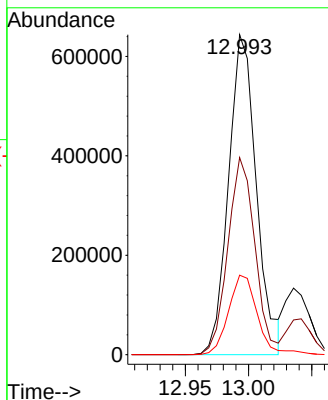
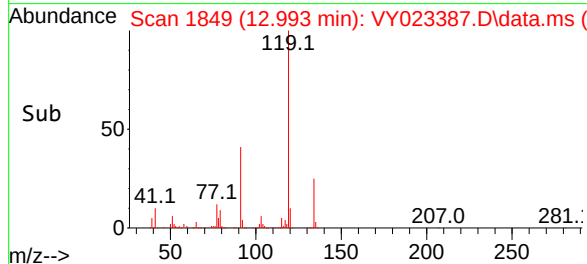
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 988930
Ion Ratio Lower Upper
119 100
91 59.9 29.9 89.8
134 25.8 12.9 38.7

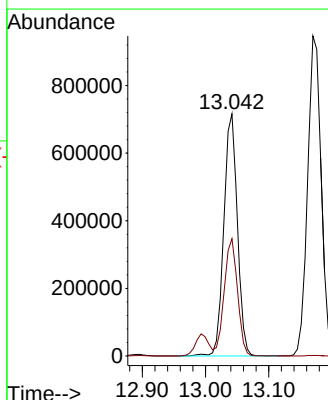
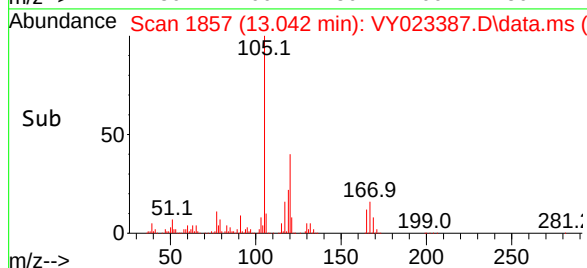
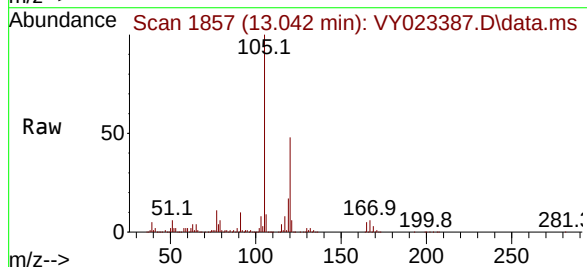
Manual Integrations
APPROVED

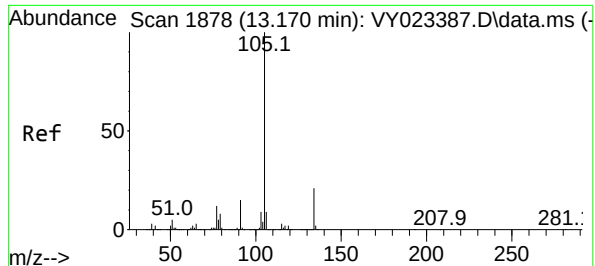
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#84
1,2,4-Trimethylbenzene
Concen: 50.505 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061159
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.2





#85

sec-Butylbenzene

Concen: 50.133 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 140500

Ion Ratio Lower Upper

105 100

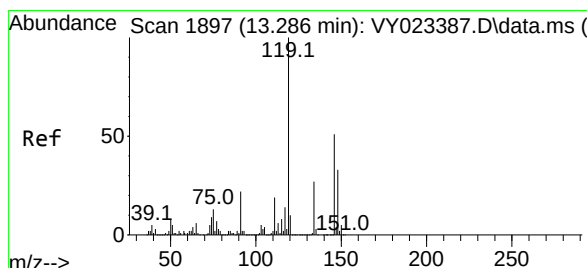
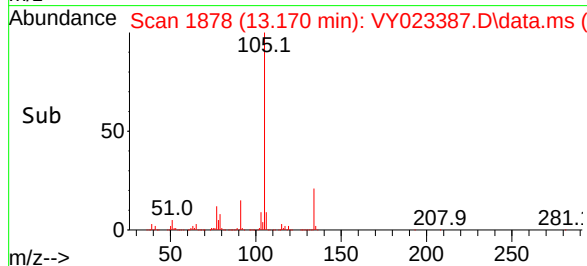
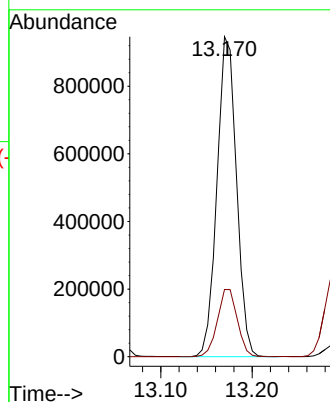
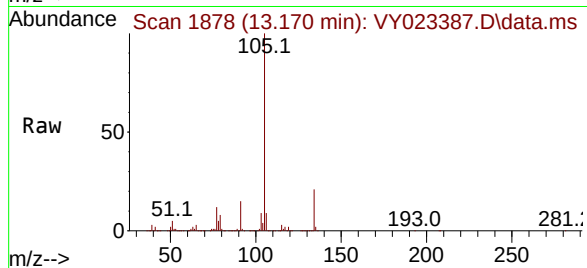
134 21.4 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 51.115 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

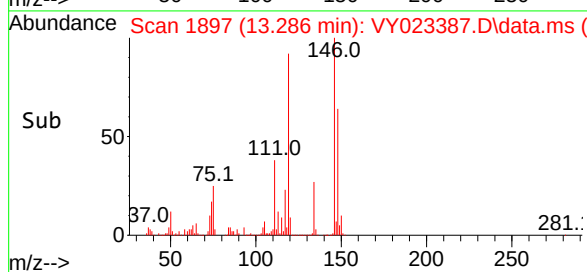
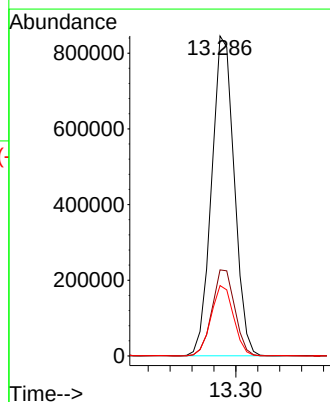
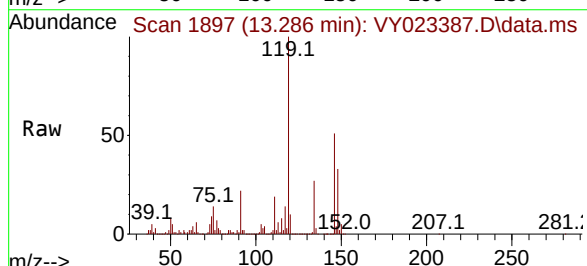
Tgt Ion:119 Resp: 1210644

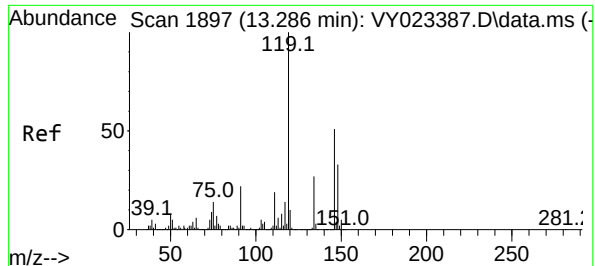
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 21.9 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 49.072 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 649899

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

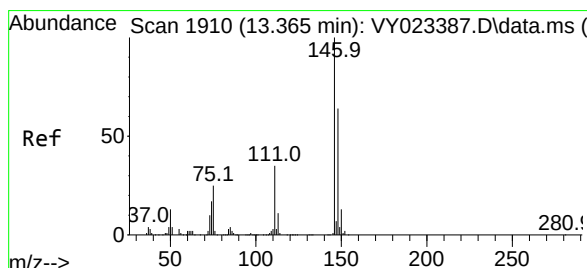
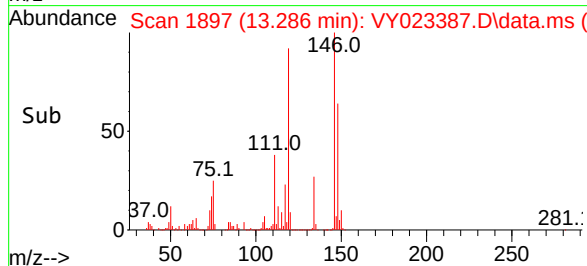
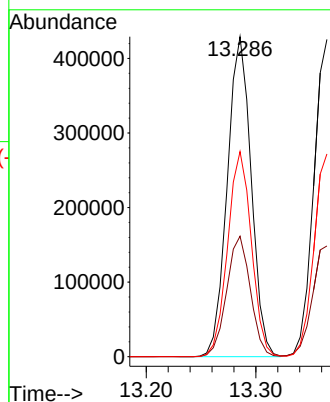
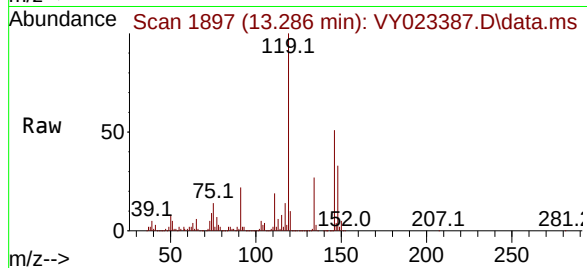
148 63.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 48.476 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

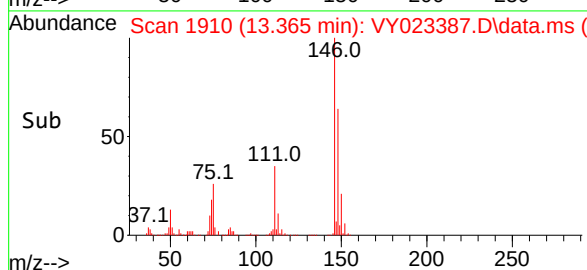
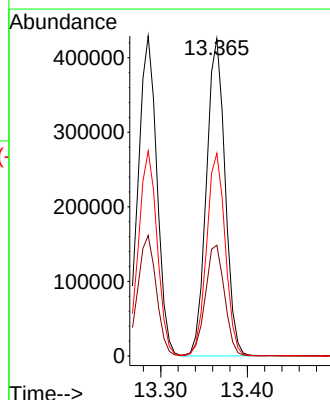
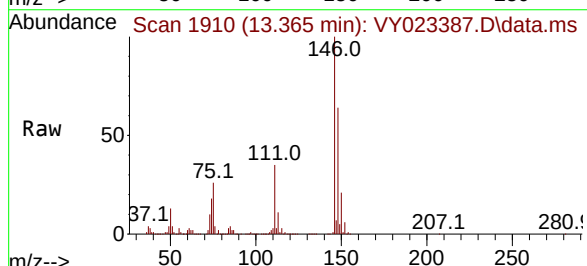
Tgt Ion:146 Resp: 636694

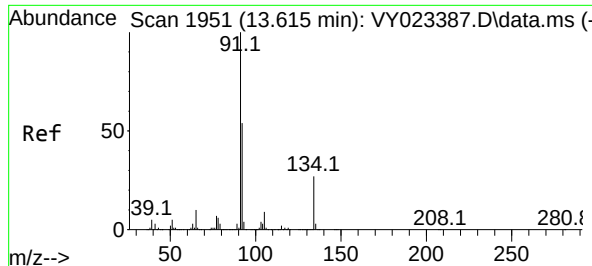
Ion Ratio Lower Upper

146 100

111 36.0 18.0 54.0

148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 50.299 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1051949

Ion Ratio Lower Upper

91 100

92 53.9 27.0 80.8

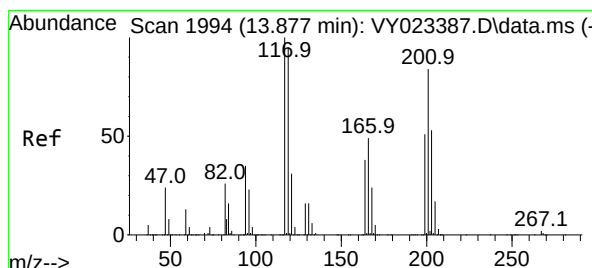
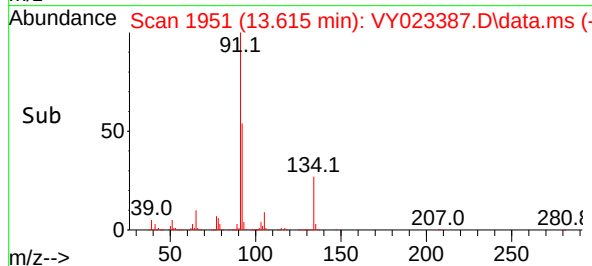
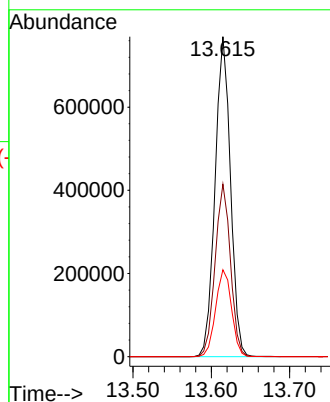
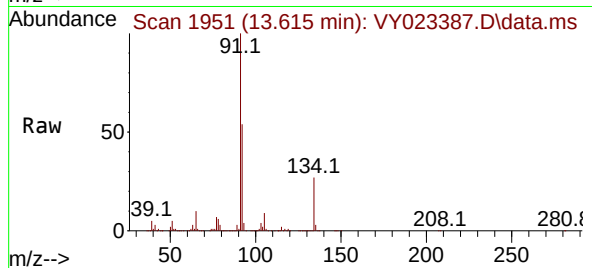
134 28.1 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 47.664 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023387.D

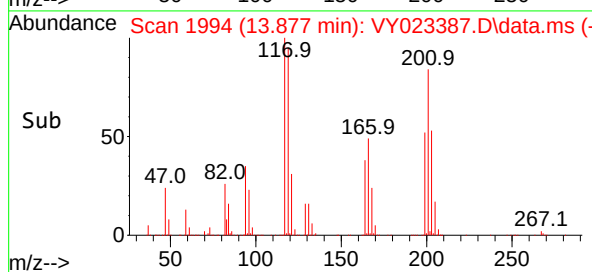
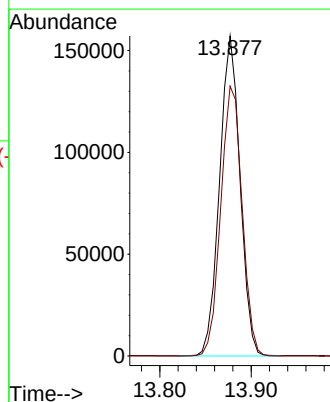
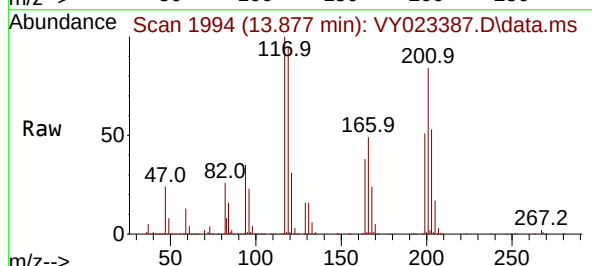
Acq: 07 Oct 2025 11:47

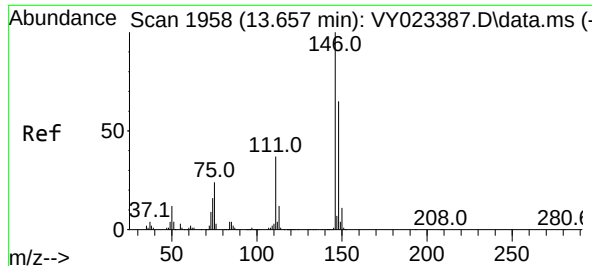
Tgt Ion:117 Resp: 245108

Ion Ratio Lower Upper

117 100

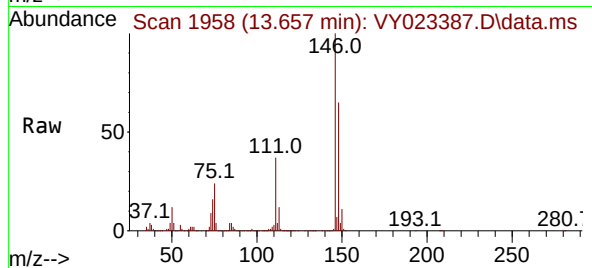
201 87.6 43.8 131.4





#91
1,2-Dichlorobenzene
Concen: 49.075 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

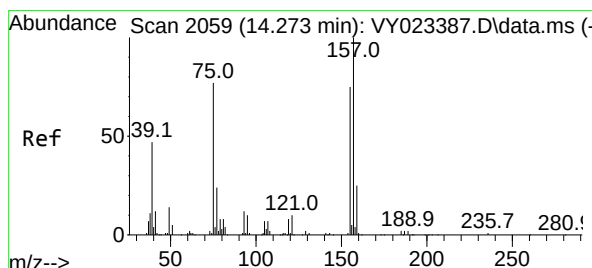
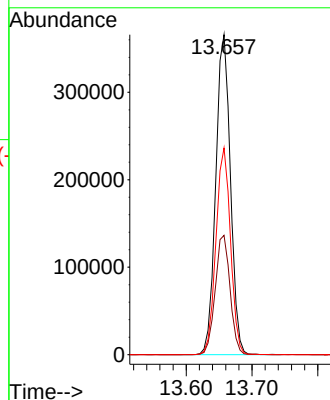
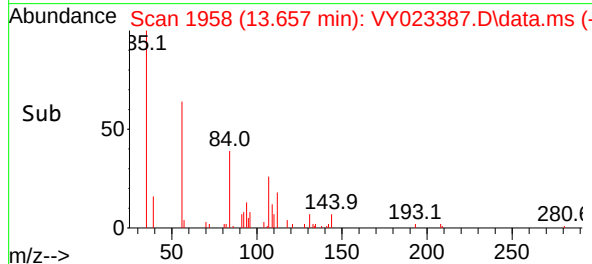
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 567114
Ion Ratio Lower Upper
146 100
111 38.0 19.0 57.0
148 64.2 32.1 96.3

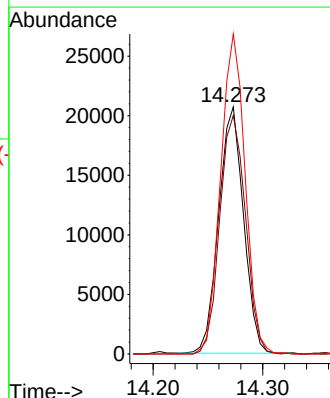
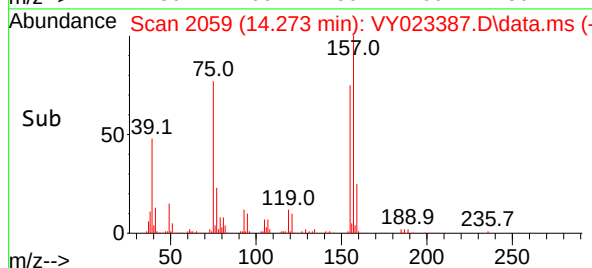
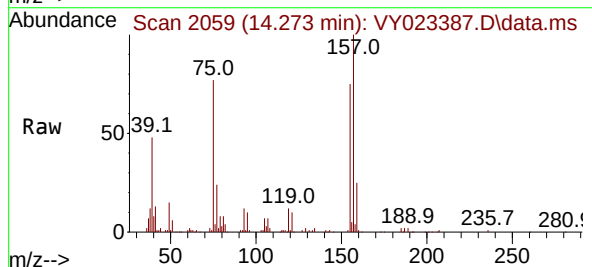
Manual Integrations
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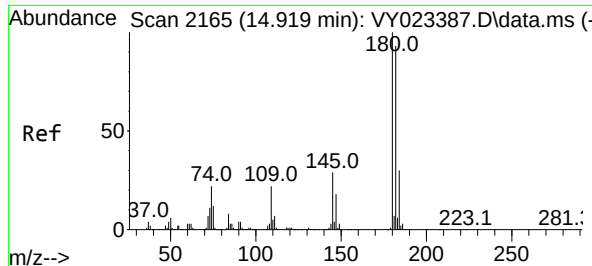
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.184 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 32585
Ion Ratio Lower Upper
75 100
155 100.0 50.0 150.0
157 127.7 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 52.852 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023387.D

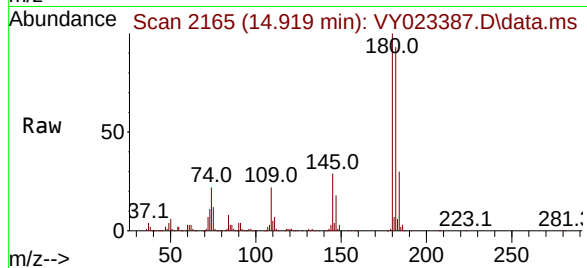
Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050



Tgt Ion:180 Resp: 35983

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

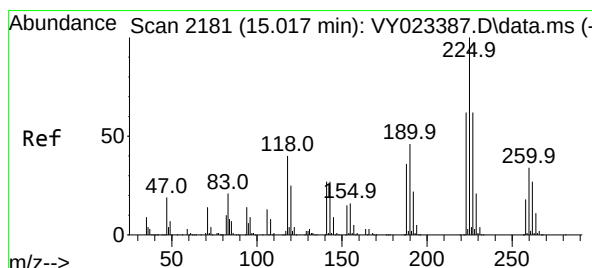
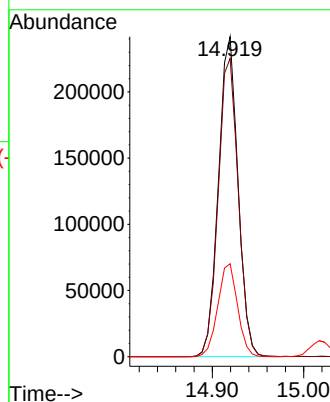
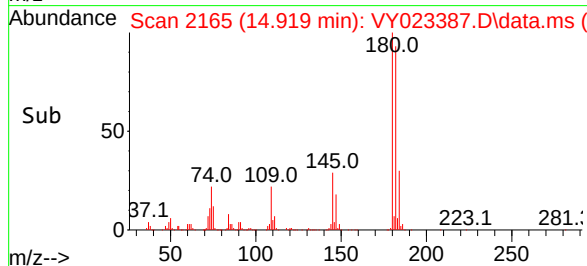
145 29.4 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 53.346 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

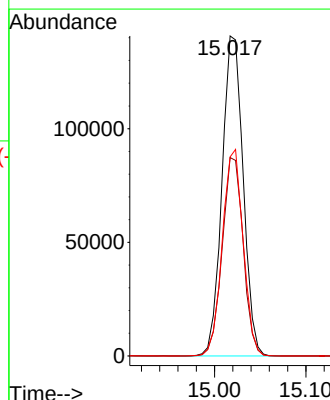
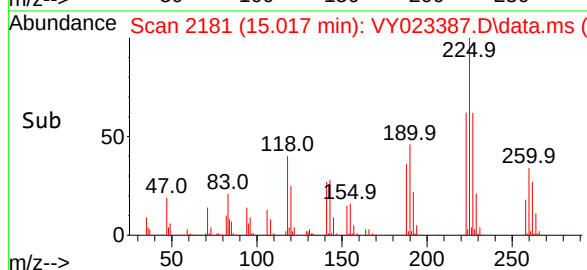
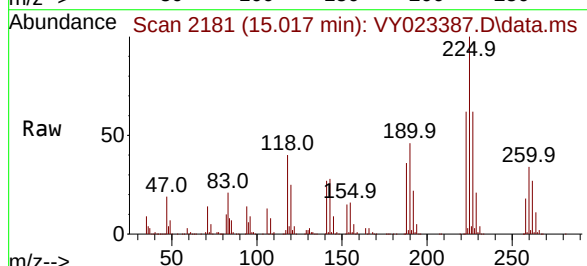
Tgt Ion:225 Resp: 226316

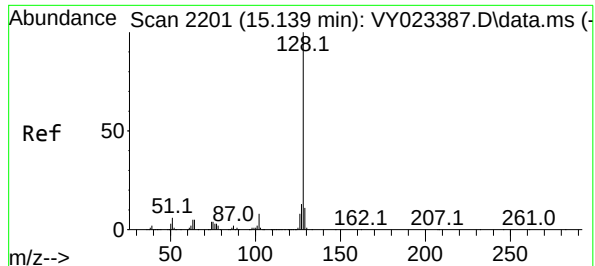
Ion Ratio Lower Upper

225 100

223 61.5 30.8 92.3

227 63.8 31.9 95.7





#95

Naphthalene

Concen: 53.012 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Instrument :

MSVOA_Y

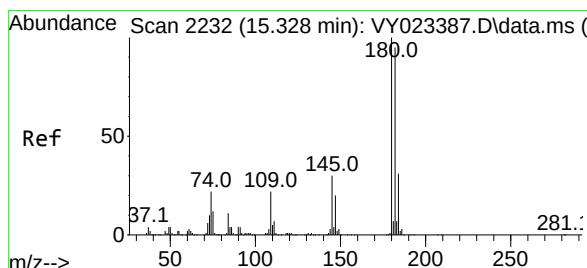
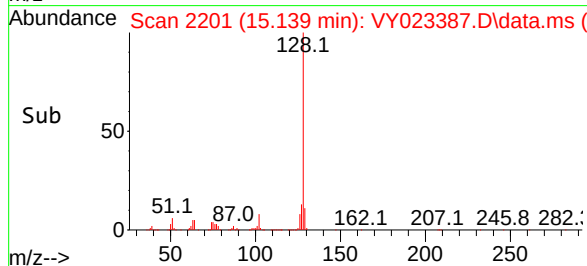
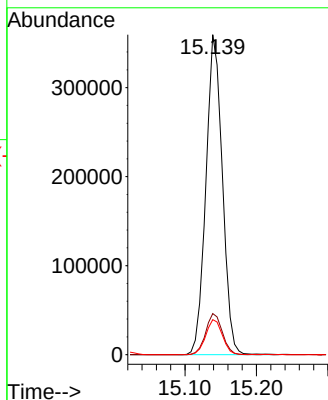
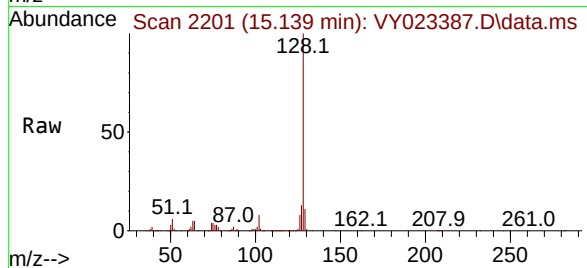
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	57504
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 52.628 ug/l

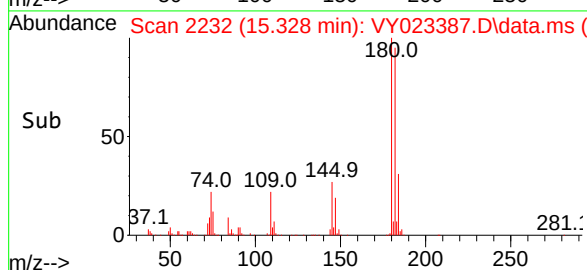
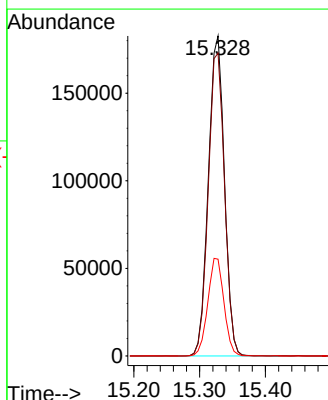
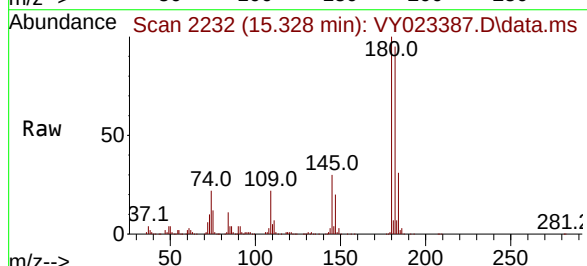
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023387.D

Acq: 07 Oct 2025 11:47

Tgt Ion:	180	Resp:	310831
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.8
145	30.6	15.3	45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023388.D
 Acq On : 07 Oct 2025 12:09
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 08 04:44:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	595770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	764361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	467005	90.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.020%#			
35) Dibromofluoromethane	7.634	113	511478	98.497	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.000%#			
50) Toluene-d8	10.103	98	1919872	98.031	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 196.060%#			
62) 4-Bromofluorobenzene	12.401	95	636435	103.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.020%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	368985	78.627	ug/l	96
3) Chloromethane	2.068	50	521606	78.195	ug/l	96
4) Vinyl Chloride	2.202	62	711235	84.438	ug/l	100
5) Bromomethane	2.586	94	574957	83.210	ug/l	99
6) Chloroethane	2.732	64	491625	85.968	ug/l	99
7) Trichlorofluoromethane	3.049	101	1012851	93.610	ug/l	99
8) Diethyl Ether	3.452	74	266779	94.266	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	511482	88.441	ug/l	100
10) Methyl Iodide	4.001	142	651575	97.495	ug/l	99
11) Tert butyl alcohol	4.866	59	172718	568.898	ug/l	99
12) 1,1-Dichloroethene	3.787	96	508059	91.303	ug/l	96
13) Acrolein	3.647	56	262636	510.573	ug/l	99
14) Allyl chloride	4.378	41	637073	91.446	ug/l	99
15) Acrylonitrile	5.055	53	522511	471.296	ug/l	100
16) Acetone	3.866	43	504700	435.004	ug/l	98
17) Carbon Disulfide	4.104	76	1442005	83.061	ug/l	99
18) Methyl Acetate	4.385	43	316911	107.474	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1300206	99.797	ug/l	97
20) Methylene Chloride	4.610	84	552018	87.742	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	569334	91.999	ug/l	96
22) Diisopropyl ether	6.018	45	1423347	92.133	ug/l	97
23) Vinyl Acetate	5.957	43	3975052	468.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	911619	89.517	ug/l	99
25) 2-Butanone	6.890	43	685693	478.154	ug/l	99
26) 2,2-Dichloropropane	6.884	77	833452	92.108	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	670773	95.557	ug/l	98
28) Bromochloromethane	7.244	49	321657	81.418	ug/l	99
29) Tetrahydrofuran	7.262	42	415867	488.587	ug/l	99
30) Chloroform	7.421	83	1003722	91.401	ug/l	100
31) Cyclohexane	7.701	56	767083	85.293	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	910837	92.399	ug/l	100
36) 1,1-Dichloropropene	7.835	75	692477	94.516	ug/l	99
37) Ethyl Acetate	6.982	43	280560	96.859	ug/l	98
38) Carbon Tetrachloride	7.817	117	833170	97.894	ug/l	99
39) Methylcyclohexane	9.109	83	947664	101.024	ug/l	99
40) Benzene	8.079	78	2192645	96.000	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023388.D
 Acq On : 07 Oct 2025 12:09
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:44:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	152239	101.200	ug/l	98
42) 1,2-Dichloroethane	8.158	62	554810	95.449	ug/l	100
43) Isopropyl Acetate	8.195	43	573653	101.815	ug/l	99
44) Trichloroethene	8.866	130	636149	99.245	ug/l	100
45) 1,2-Dichloropropane	9.140	63	485084	94.381	ug/l	99
46) Dibromomethane	9.231	93	309964	98.596	ug/l	99
47) Bromodichloromethane	9.420	83	769238	97.210	ug/l	99
48) Methyl methacrylate	9.219	41	282582	107.476	ug/l	99
49) 1,4-Dioxane	9.225	88	77305	2374.722	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	1539324	533.386	ug/l	100
52) Toluene	10.170	92	1462927	100.905	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	710475	104.537	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	822967	101.302	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	417623	99.875	ug/l	96
56) Ethyl methacrylate	10.438	69	549366	114.077	ug/l	99
57) 1,3-Dichloropropane	10.713	76	670961	99.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1240361	588.731	ug/l	99
59) 2-Hexanone	10.755	43	1081568	541.284	ug/l	99
60) Dibromochloromethane	10.908	129	593878	104.133	ug/l	100
61) 1,2-Dibromoethane	11.011	107	406293	103.280	ug/l	99
64) Tetrachloroethene	10.646	164	767753	100.406	ug/l	99
65) Chlorobenzene	11.438	112	1655143	99.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	586878	100.470	ug/l	99
67) Ethyl Benzene	11.517	91	2788252	102.856	ug/l	98
68) m/p-Xylenes	11.627	106	2243033	206.437	ug/l	100
69) o-Xylene	11.950	106	1072335	106.611	ug/l	99
70) Styrene	11.969	104	1782757	107.344	ug/l	100
71) Bromoform	12.127	173	373208	106.727	ug/l #	100
73) Isopropylbenzene	12.249	105	2741698	102.825	ug/l	100
74) N-amyl acetate	12.066	43	532255	106.818	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	434720	97.735	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	364622m	92.345	ug/l	
77) Bromobenzene	12.529	156	701741	102.545	ug/l	100
78) n-propylbenzene	12.590	91	3165894	100.958	ug/l	99
79) 2-Chlorotoluene	12.676	91	1800124	99.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2219080	102.374	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	148302	101.273	ug/l	98
82) 4-Chlorotoluene	12.773	91	1854165	98.060	ug/l	99
83) tert-Butylbenzene	12.993	119	2028198	102.684	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	2227197	103.853	ug/l	100
85) sec-Butylbenzene	13.170	105	2932949	102.530	ug/l	100
86) p-Isopropyltoluene	13.285	119	2548220	105.408	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	1361716	100.735	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	1323618	98.734	ug/l	100
89) n-Butylbenzene	13.615	91	2223744	104.174	ug/l	99
90) Hexachloroethane	13.877	117	514746	98.069	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1193043	101.146	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	70107	99.458	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	806328	116.031	ug/l	99
94) Hexachlorobutadiene	15.017	225	470072	108.557	ug/l	99
95) Naphthalene	15.139	128	1378291	124.485	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	693477	115.034	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

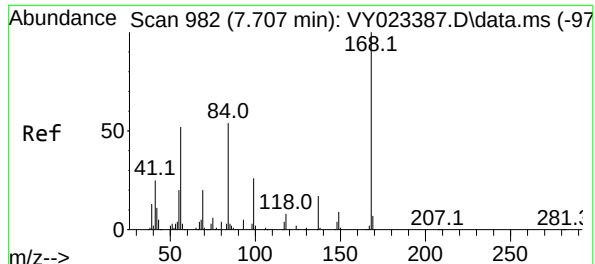
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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





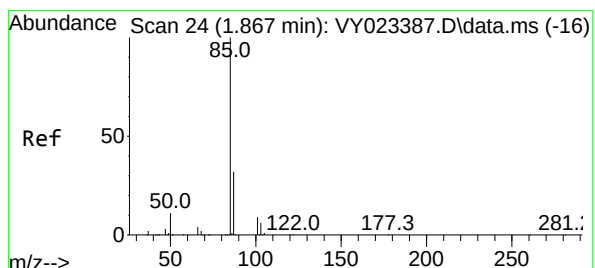
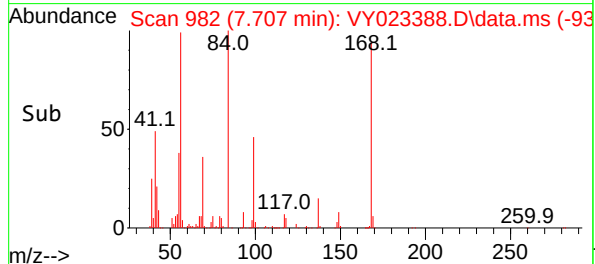
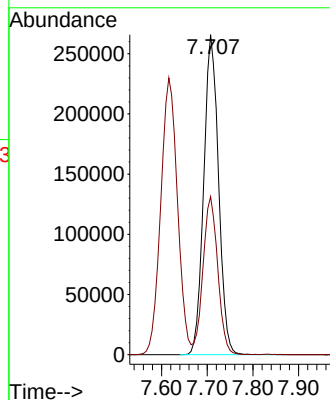
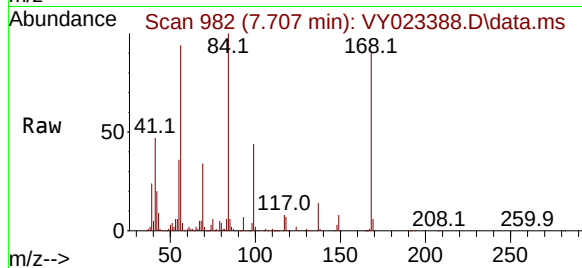
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 595770
Ion Ratio Lower Upper
168 100
99 49.3 39.7 59.5

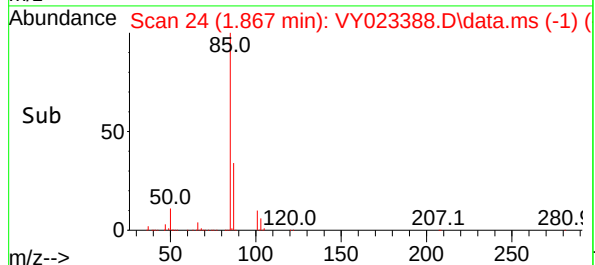
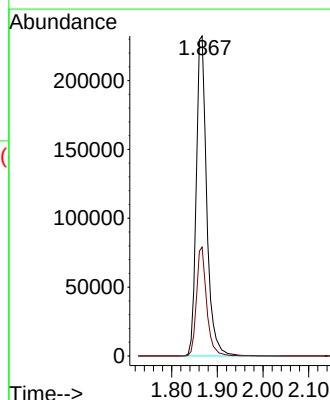
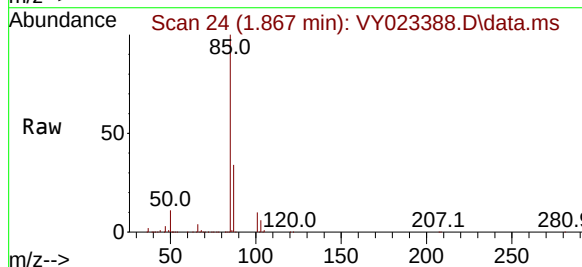
Manual Integrations
APPROVED

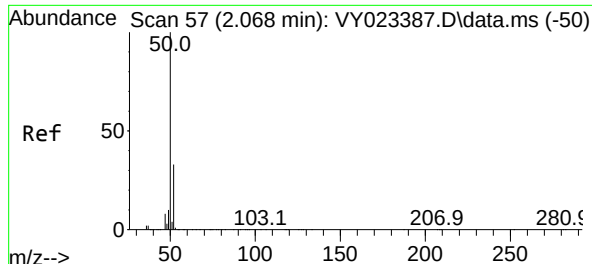
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 78.627 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 85 Resp: 368985
Ion Ratio Lower Upper
85 100
87 34.0 16.0 47.9





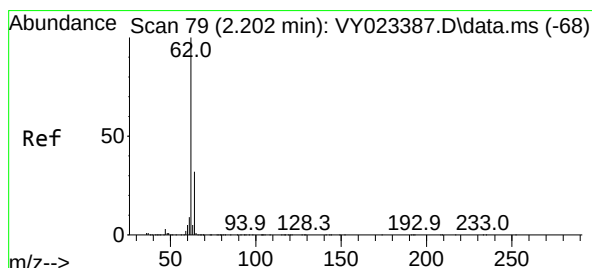
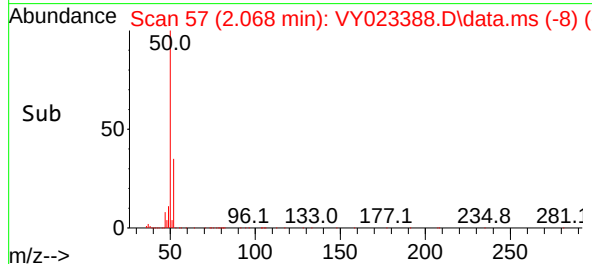
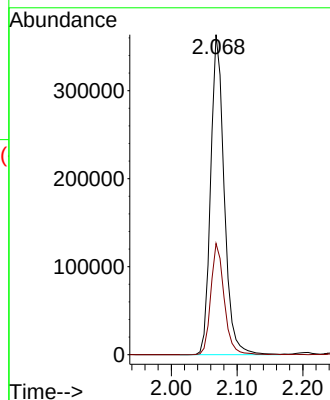
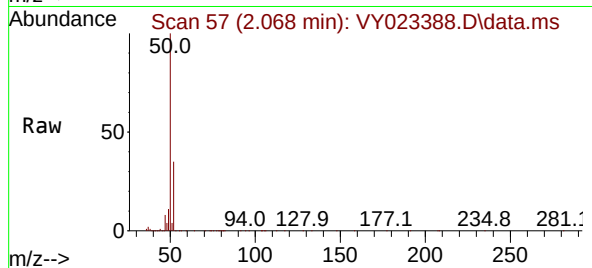
#3
Chloromethane
Concen: 78.195 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 521600
Ion Ratio Lower Upper
50 100
52 34.7 26.2 39.2

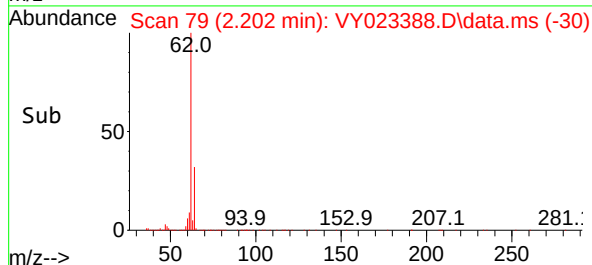
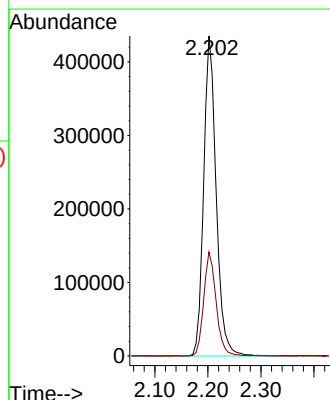
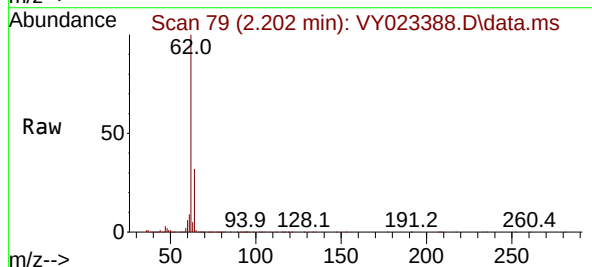
Manual Integrations
APPROVED

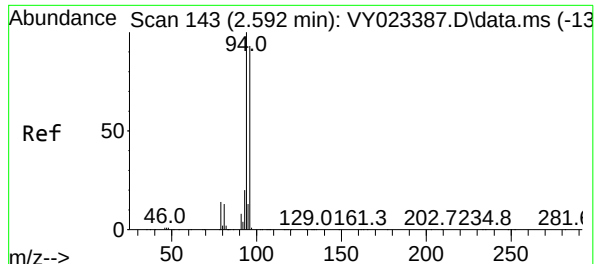
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 84.438 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 711235
Ion Ratio Lower Upper
62 100
64 32.5 25.8 38.8





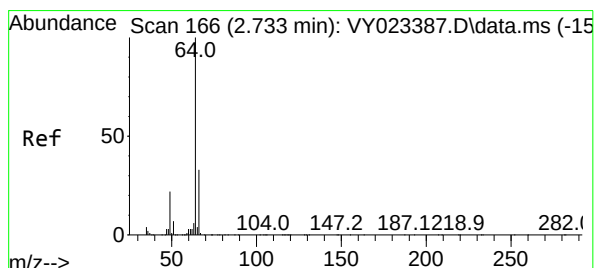
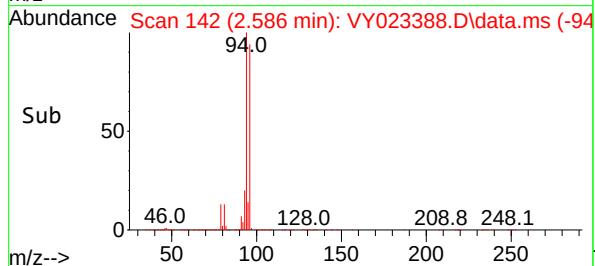
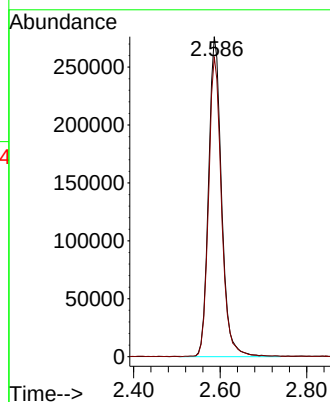
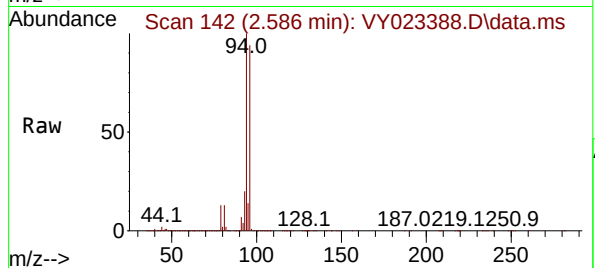
#5
Bromomethane
Concen: 83.210 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57495
Ion Ratio Lower Upper
94 100
96 93.7 74.5 111.7

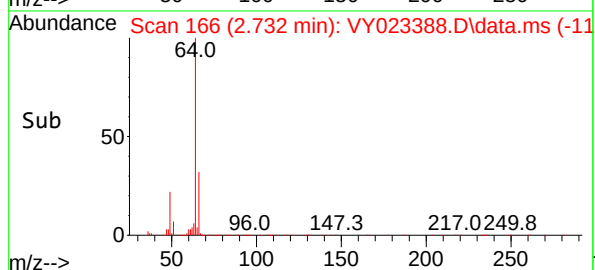
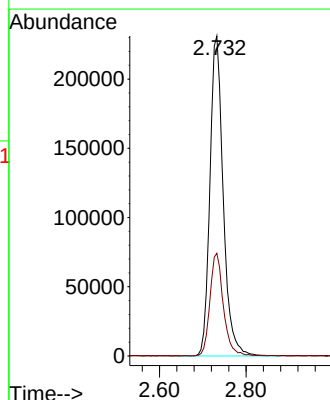
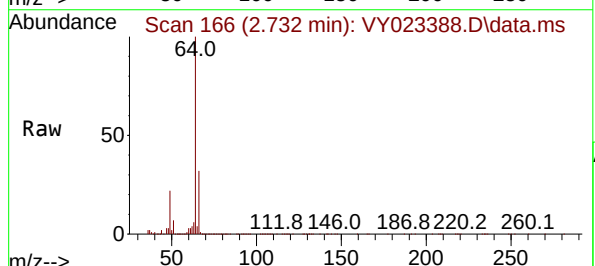
Manual Integrations
APPROVED

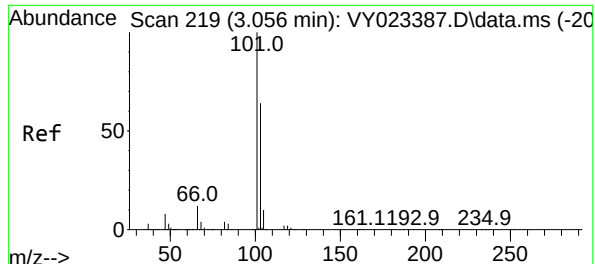
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 85.968 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 64 Resp: 491625
Ion Ratio Lower Upper
64 100
66 32.0 26.2 39.4





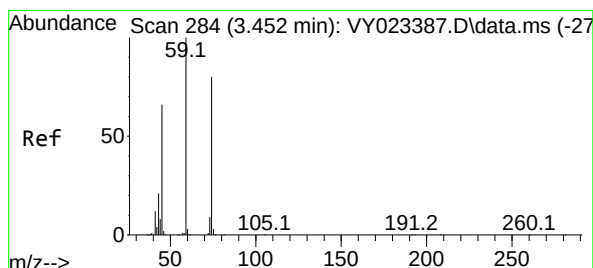
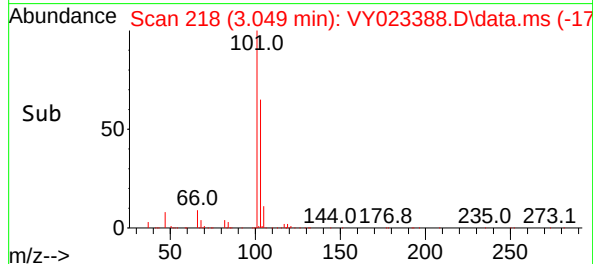
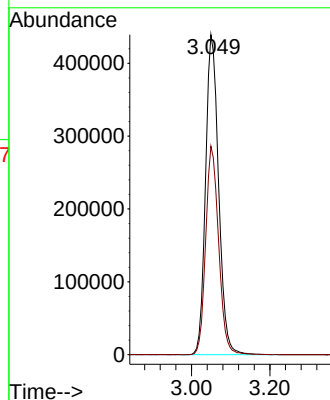
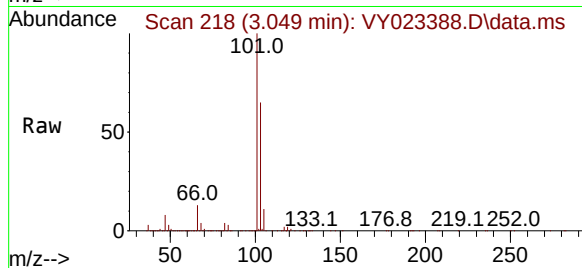
#7
Trichlorofluoromethane
Concen: 93.610 ug/l
RT: 3.049 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 101285
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9

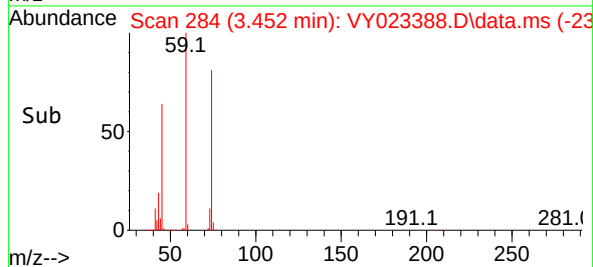
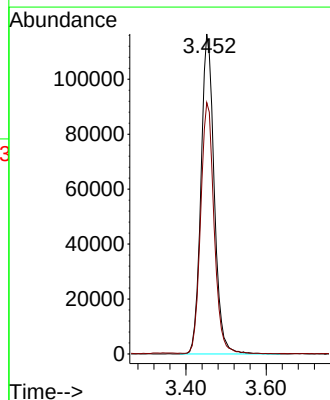
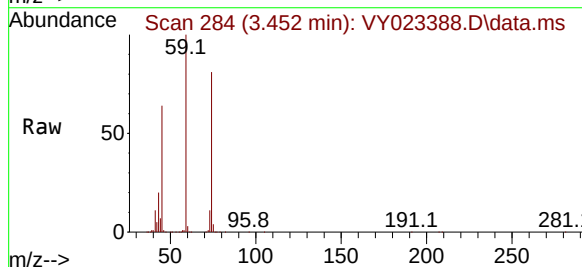
Manual Integrations
APPROVED

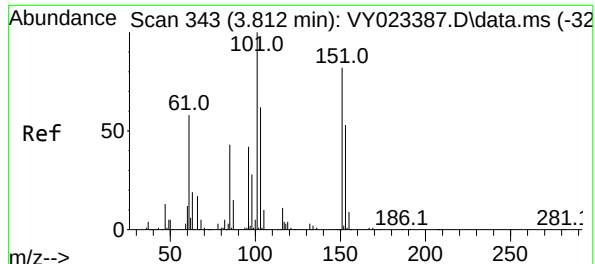
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Diethyl Ether
Concen: 94.266 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 74 Resp: 266779
Ion Ratio Lower Upper
74 100
45 79.9 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 88.441 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 51148

Ion Ratio Lower Upper

101 100

85 43.6 34.6 51.8

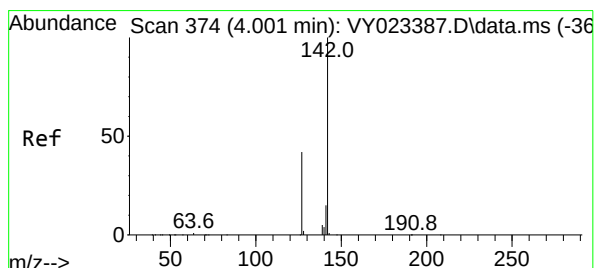
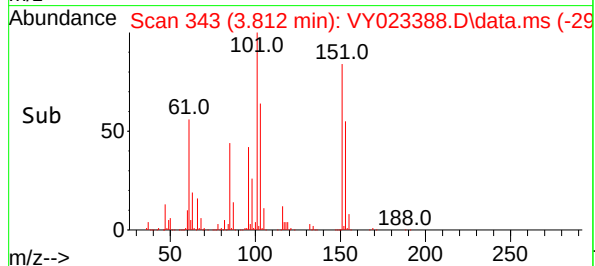
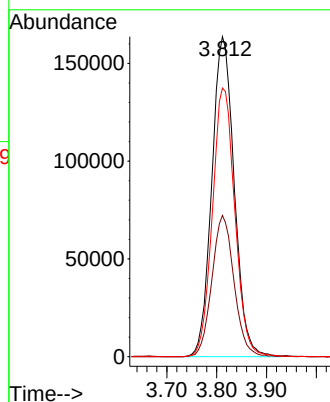
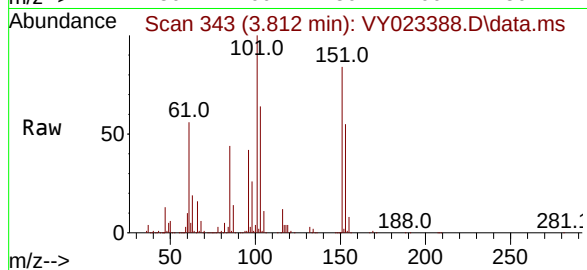
151 84.1 67.0 100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#10

Methyl Iodide

Concen: 97.495 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

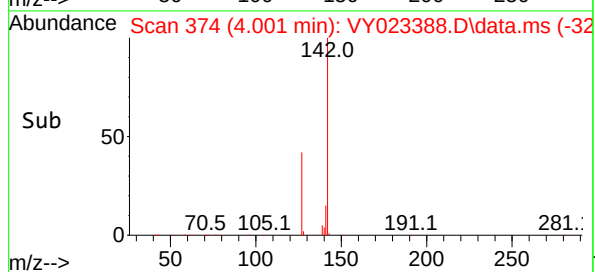
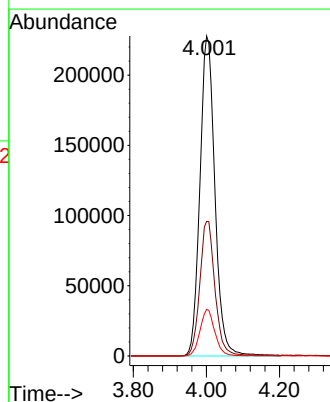
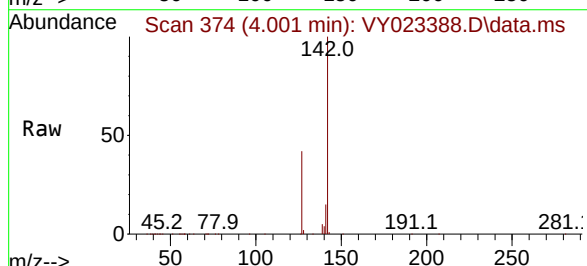
Tgt Ion:142 Resp: 651575

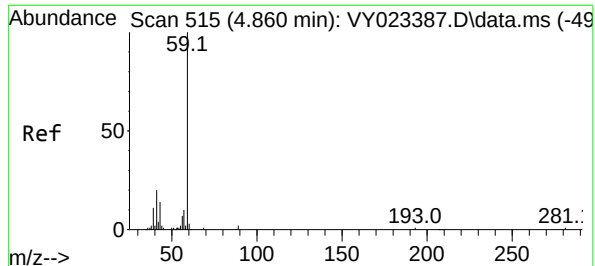
Ion Ratio Lower Upper

142 100

127 42.7 34.8 52.2

141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 568.898 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 172718

Ion Ratio Lower Upper

59 100

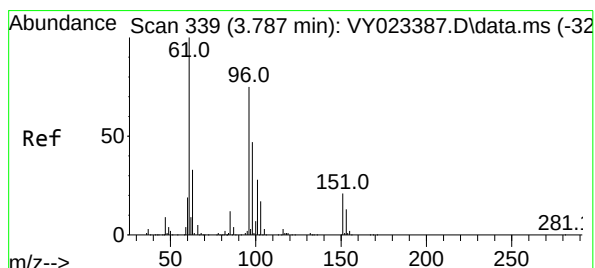
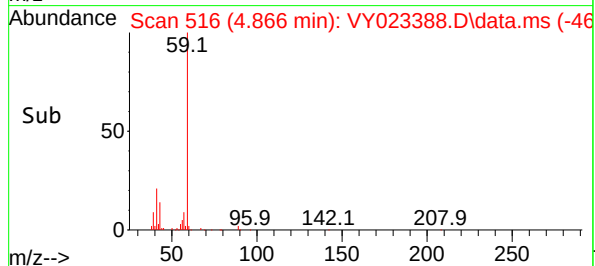
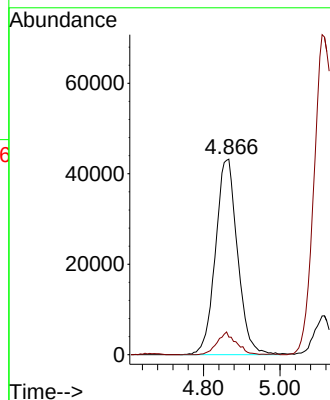
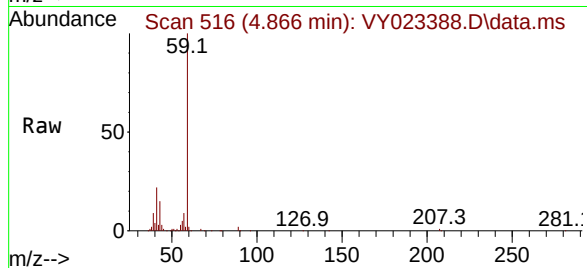
57 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 91.303 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

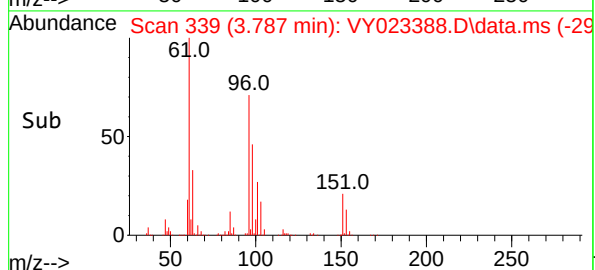
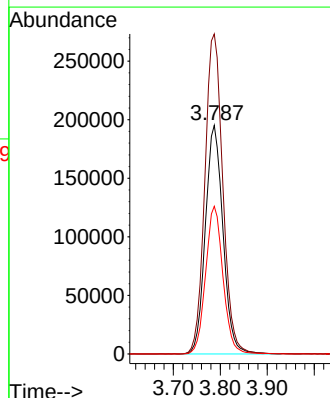
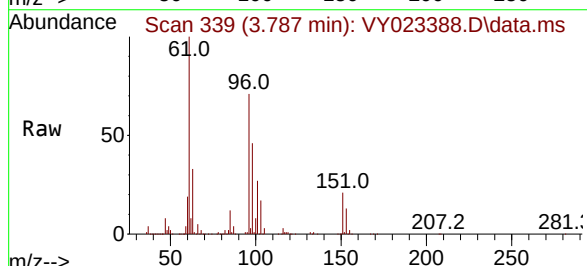
Tgt Ion: 96 Resp: 508059

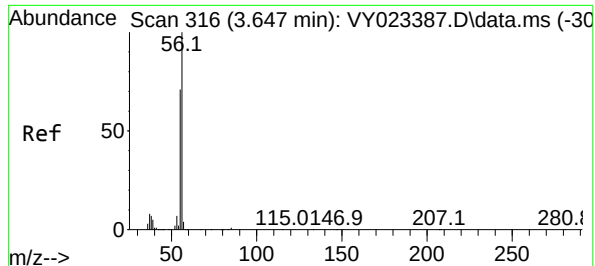
Ion Ratio Lower Upper

96 100

61 139.9 106.7 160.1

98 64.6 50.2 75.4





#13

Acrolein

Concen: 510.573 ug/l

RT: 3.647 min Scan# 316

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 262630

Ion Ratio Lower Upper

56 100

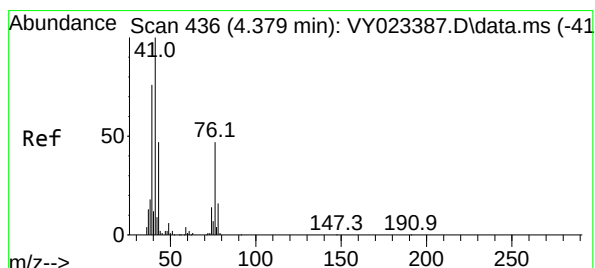
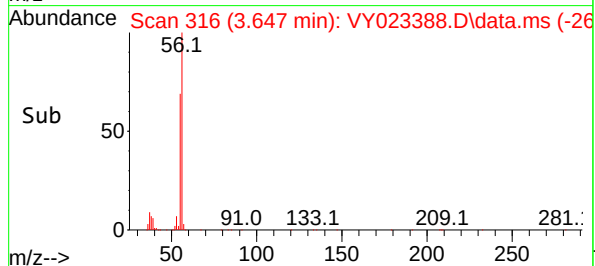
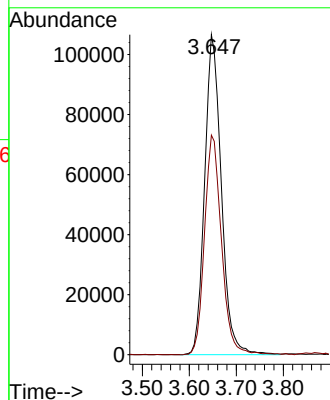
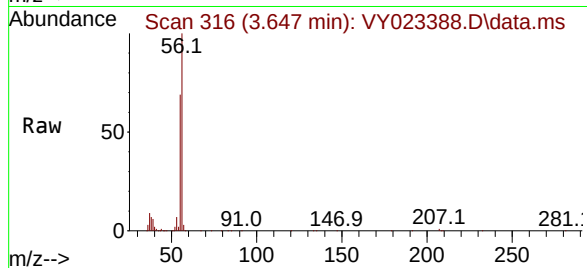
55 69.6 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#14

Allyl chloride

Concen: 91.446 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

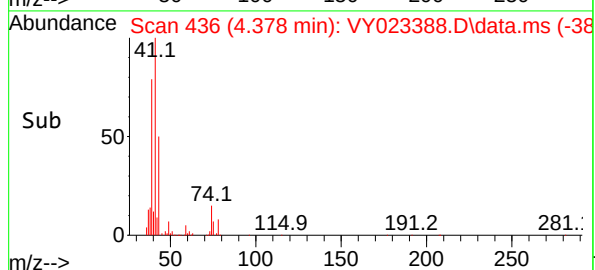
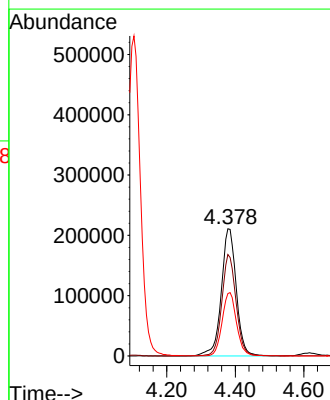
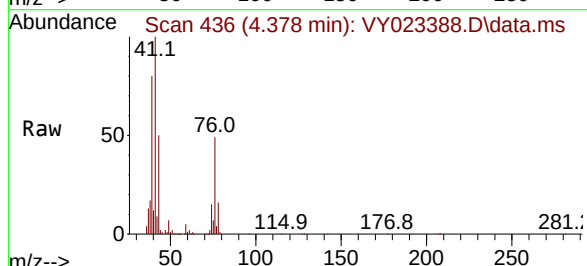
Tgt Ion: 41 Resp: 637073

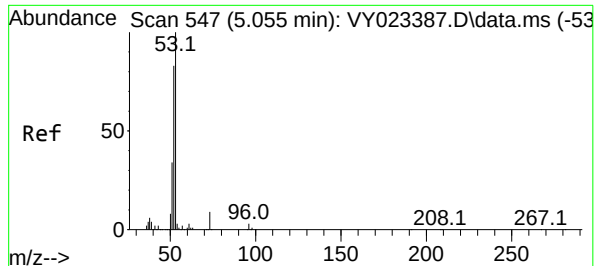
Ion Ratio Lower Upper

41 100

39 75.8 59.9 89.9

76 47.5 38.0 57.0





#15

Acrylonitrile

Concen: 471.296 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 52251

Ion Ratio Lower Upper

53 100

52 81.2 64.6 97.0

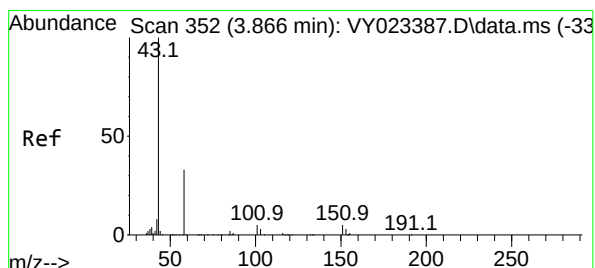
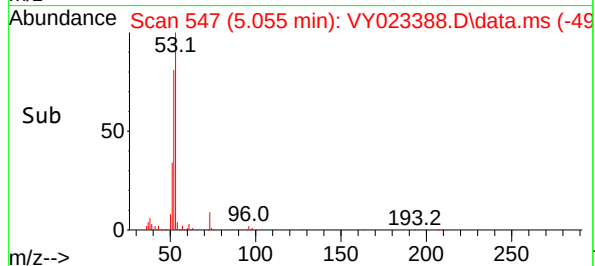
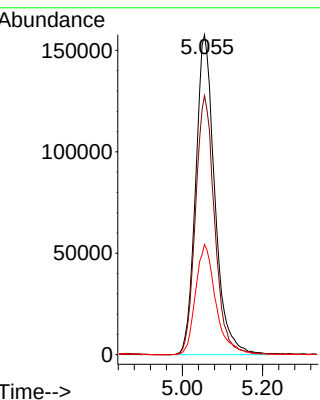
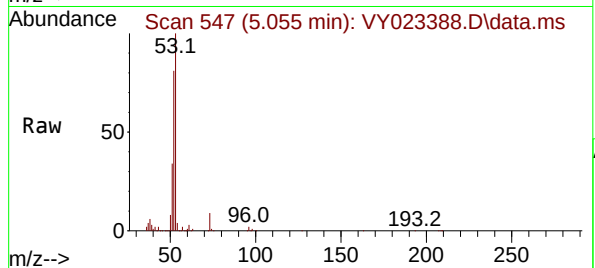
51 36.7 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 435.004 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY023388.D

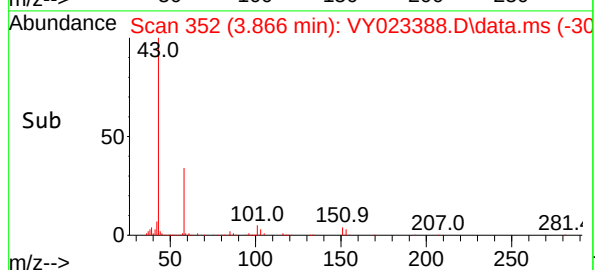
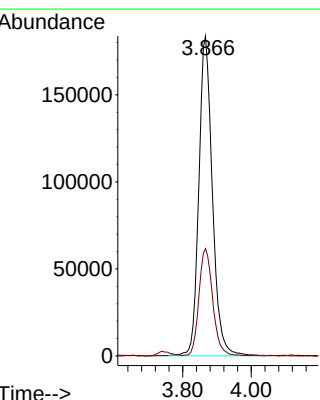
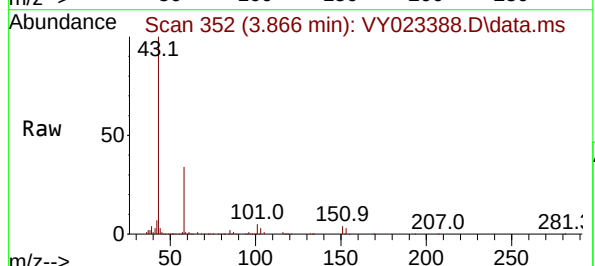
Acq: 07 Oct 2025 12:09

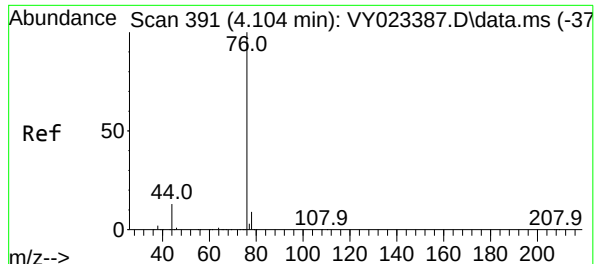
Tgt Ion: 43 Resp: 504700

Ion Ratio Lower Upper

43 100

58 33.5 27.7 41.5





#17

Carbon Disulfide

Concen: 83.061 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 144200

Ion Ratio Lower Upper

76 100

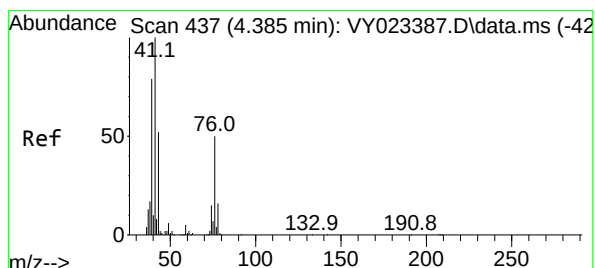
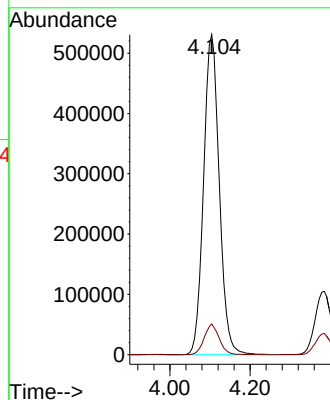
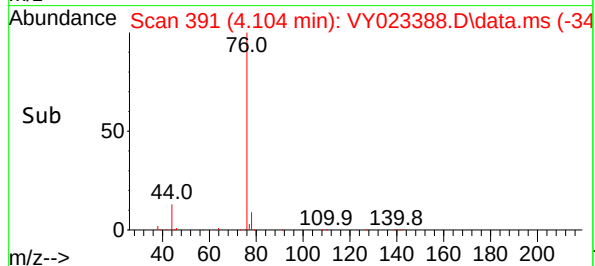
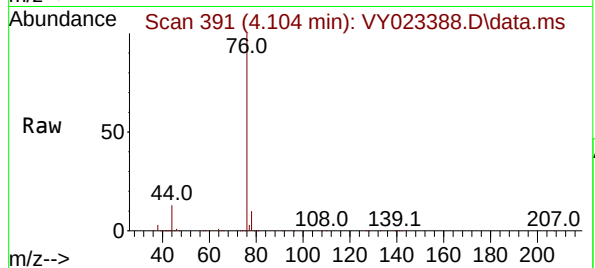
78 9.6 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 107.474 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY023388.D

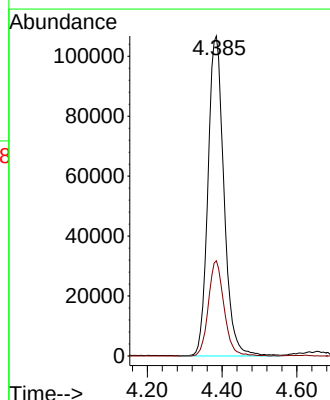
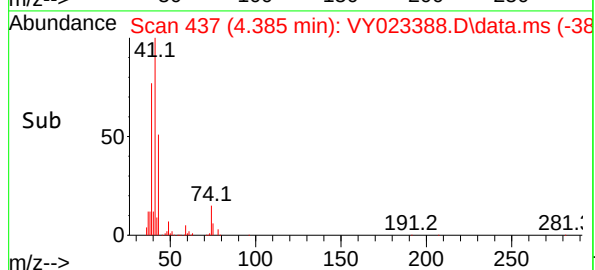
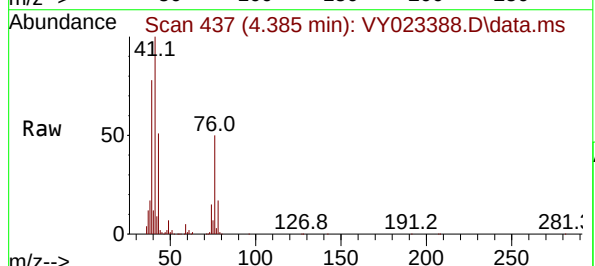
Acq: 07 Oct 2025 12:09

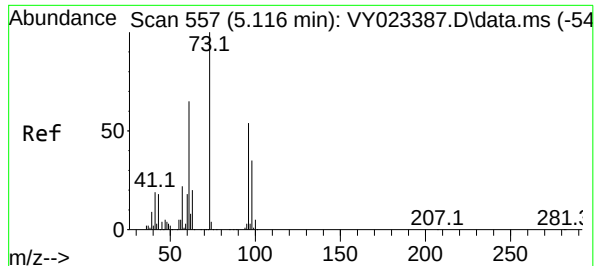
Tgt Ion: 43 Resp: 316911

Ion Ratio Lower Upper

43 100

74 29.1 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 99.797 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 1300200

Ion Ratio Lower Upper

73 100

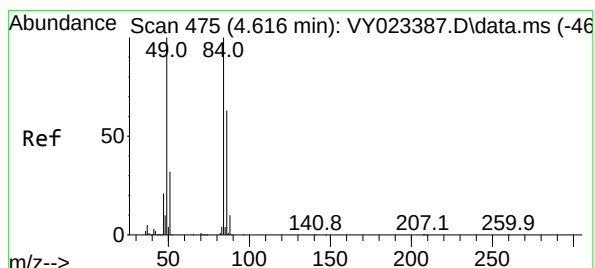
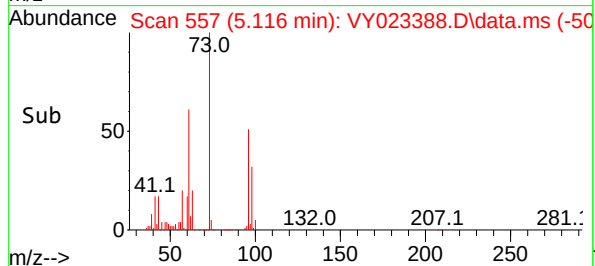
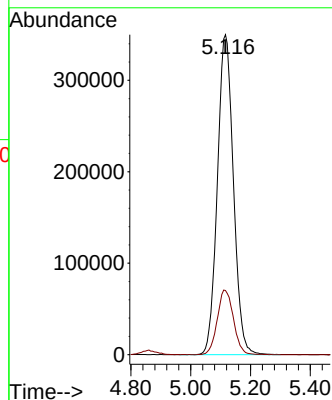
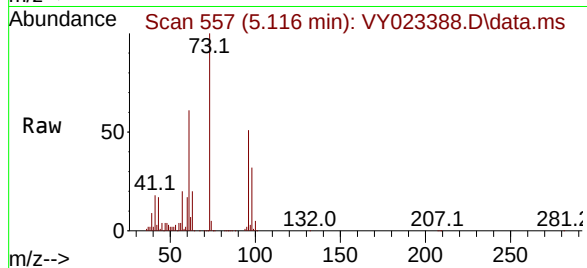
57 20.1 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 87.742 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Tgt Ion: 84 Resp: 552018

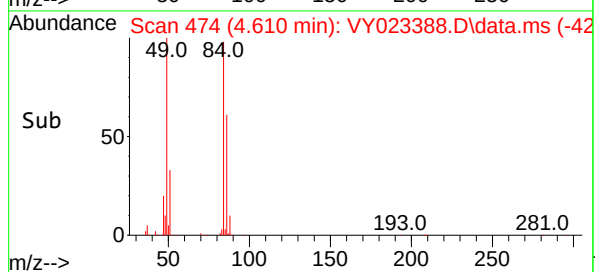
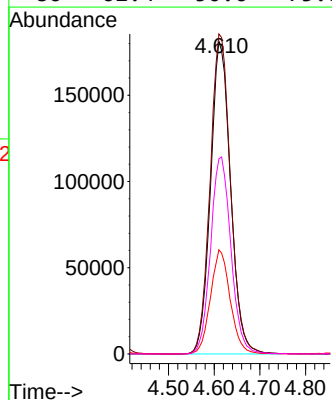
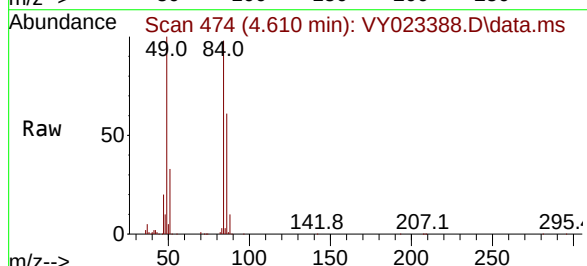
Ion Ratio Lower Upper

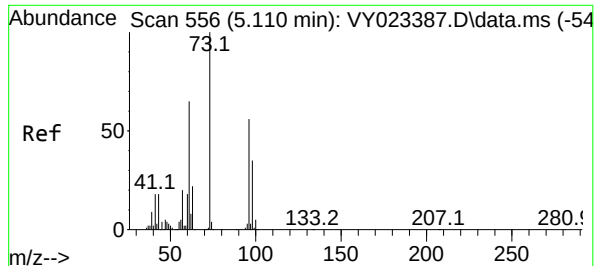
84 100

49 102.4 80.2 120.4

51 33.3 25.9 38.9

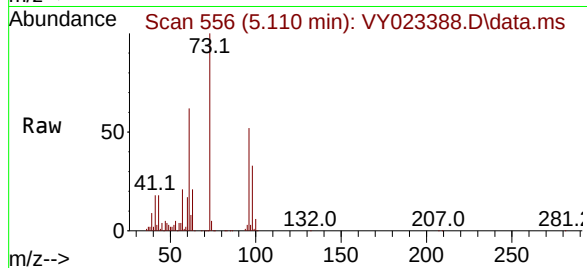
86 62.4 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 91.999 ug/l
RT: 5.110 min Scan# 556
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

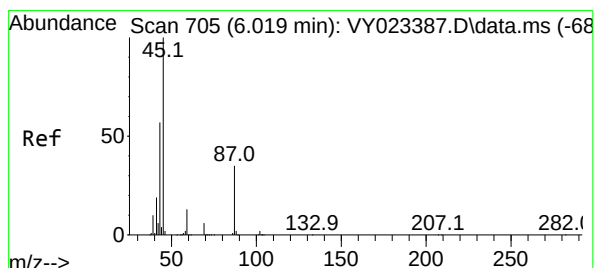
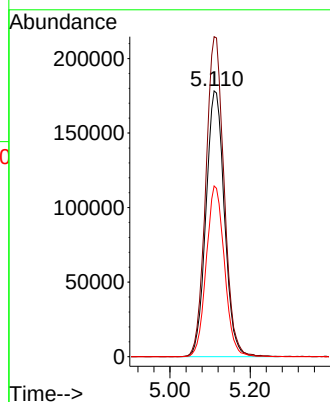
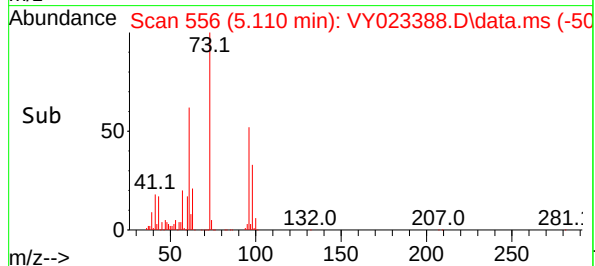
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 569334
Ion Ratio Lower Upper
96 100
61 120.4 92.7 139.1
98 64.2 49.7 74.5

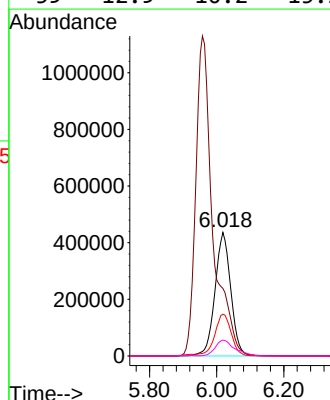
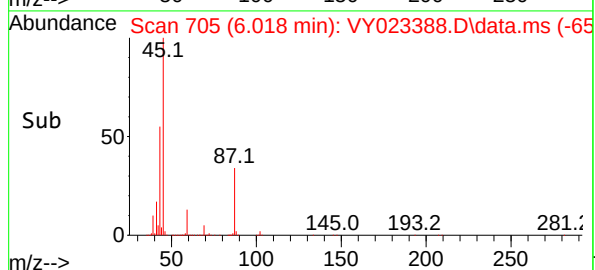
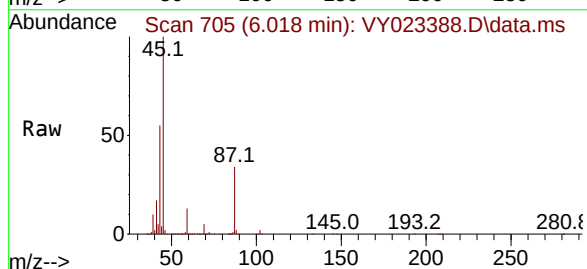
Manual Integrations
APPROVED

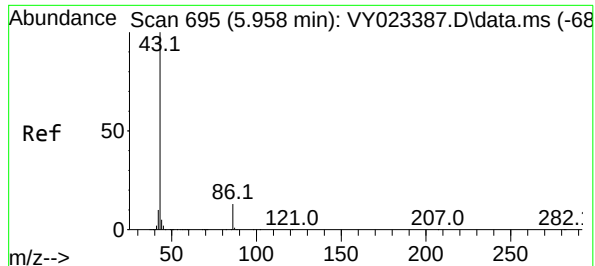
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#22
Diisopropyl ether
Concen: 92.133 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 45 Resp: 1423347
Ion Ratio Lower Upper
45 100
43 54.4 45.6 68.4
87 33.8 28.1 42.1
59 12.9 10.2 15.2





#23

Vinyl Acetate

Concen: 468.098 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 397505

Ion Ratio Lower Upper

43

100

86

13.5

10.6

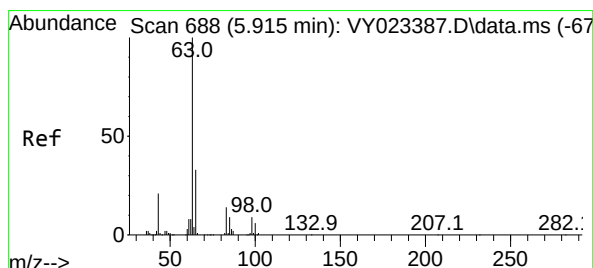
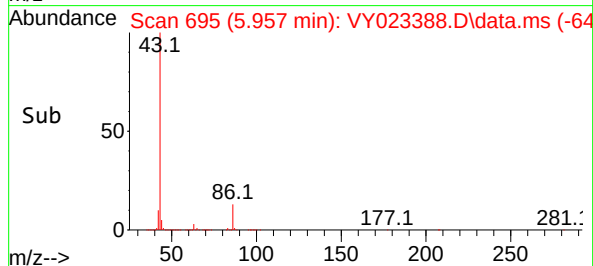
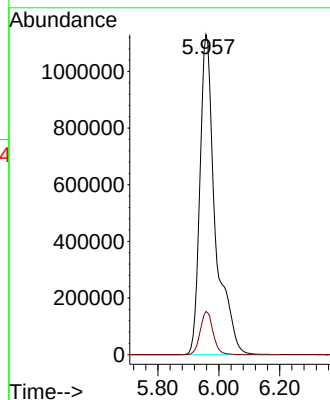
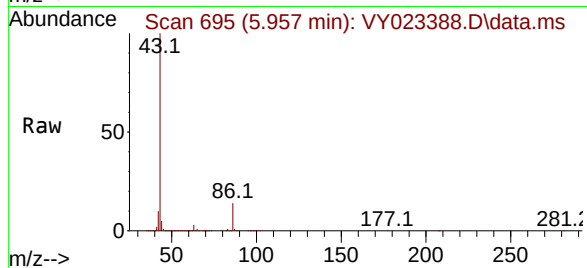
15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 89.517 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 911619

Ion Ratio Lower Upper

63

100

98

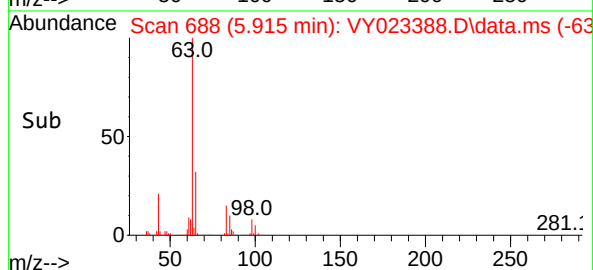
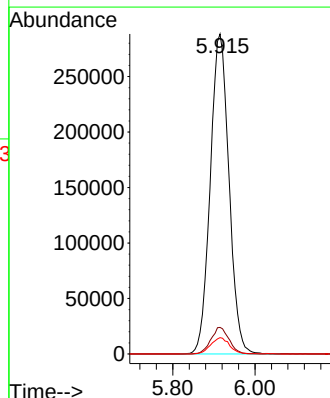
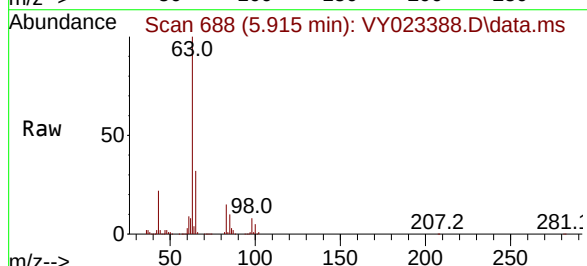
8.3

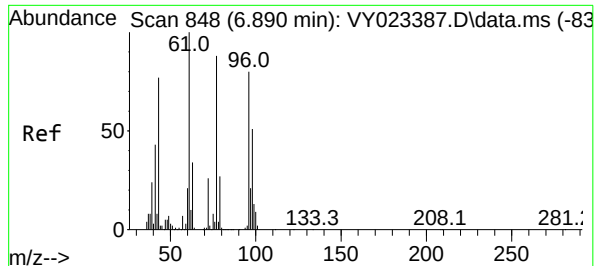
100

5.1

2.8

8.4





#25

2-Butanone

Concen: 478.154 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 68569

Ion Ratio Lower Upper

43 100

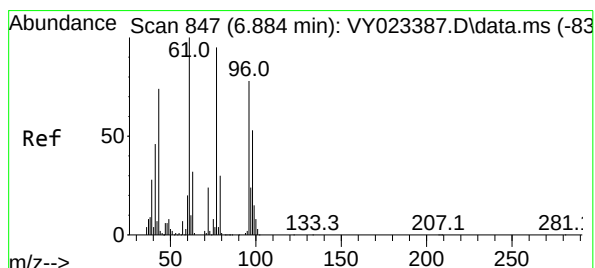
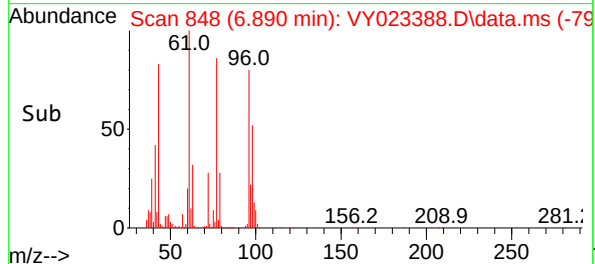
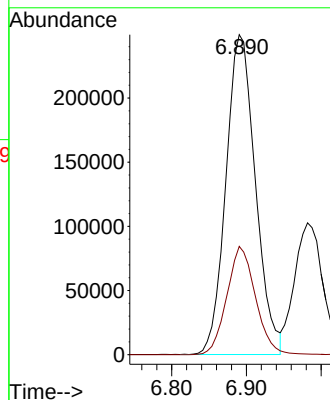
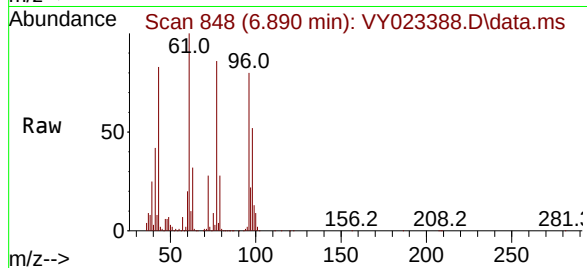
72 33.9 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 92.108 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023388.D

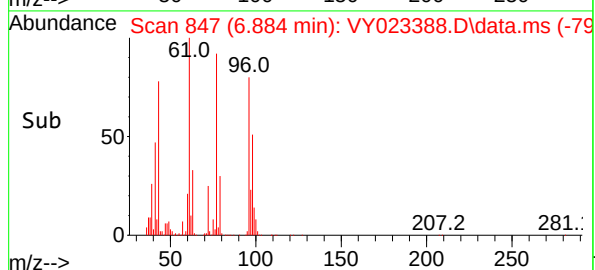
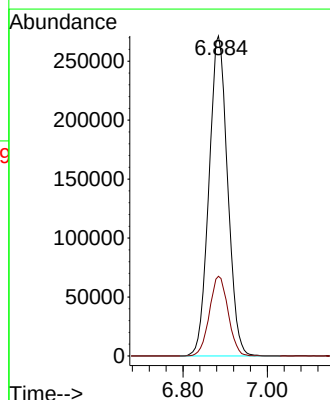
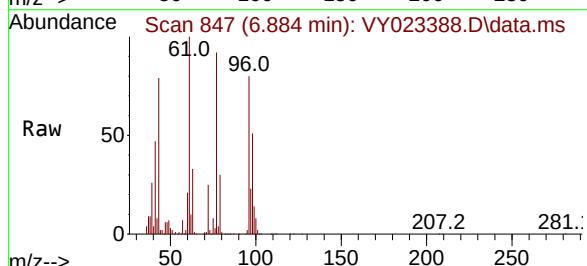
Acq: 07 Oct 2025 12:09

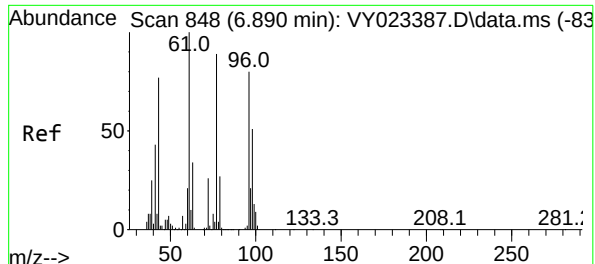
Tgt Ion: 77 Resp: 833452

Ion Ratio Lower Upper

77 100

97 25.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 95.557 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023388.D

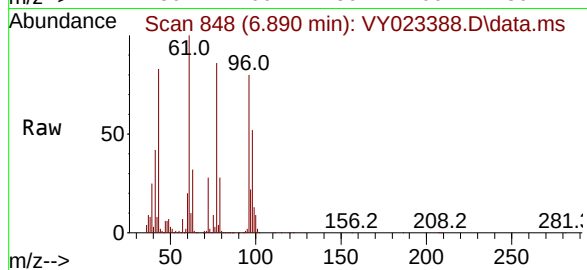
Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100



Tgt Ion: 96 Resp: 67077

Ion Ratio Lower Upper

96 100

61 125.9 0.0 258.2

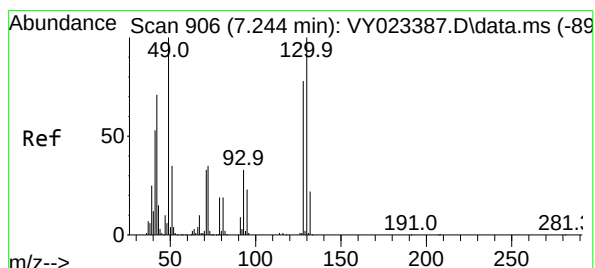
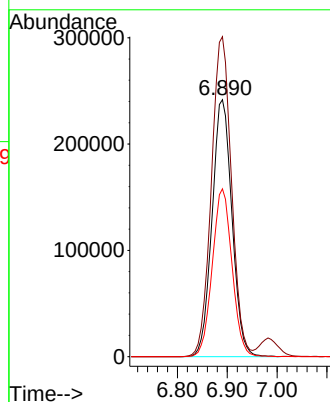
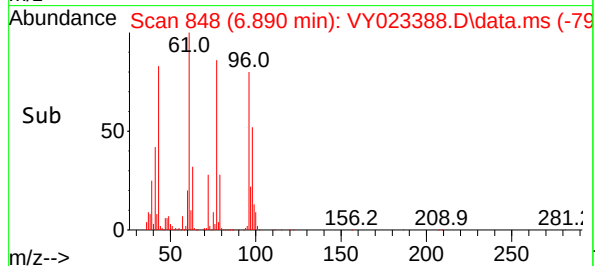
98 64.7 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 81.418 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

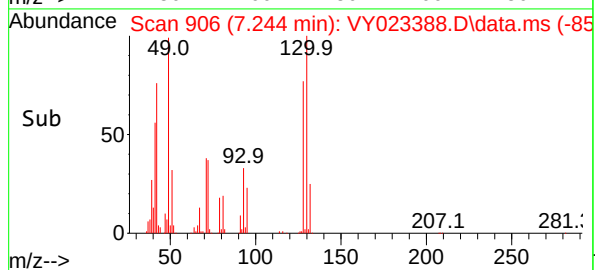
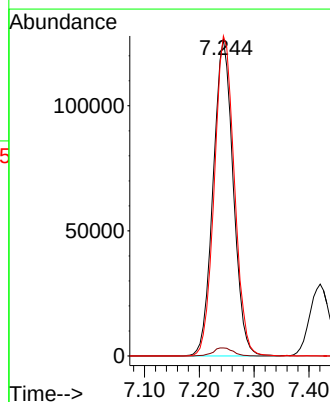
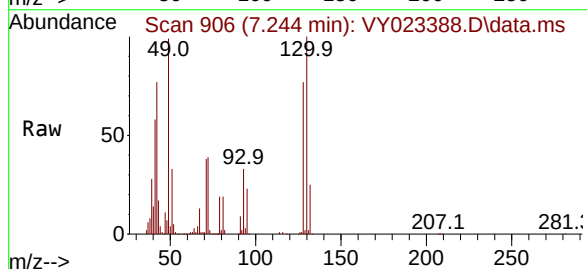
Tgt Ion: 49 Resp: 321657

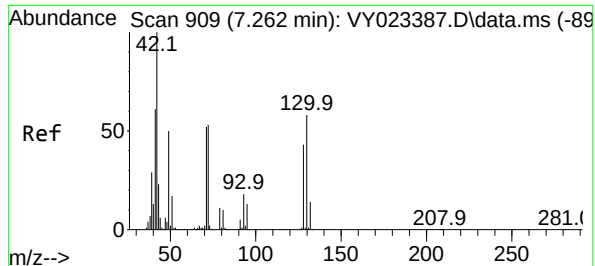
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.6

130 100.9 81.9 122.9





#29

Tetrahydrofuran

Concen: 488.587 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 41586

Ion Ratio Lower Upper

42 100

72 54.1 43.0 64.6

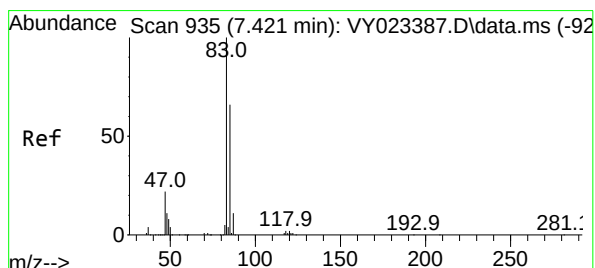
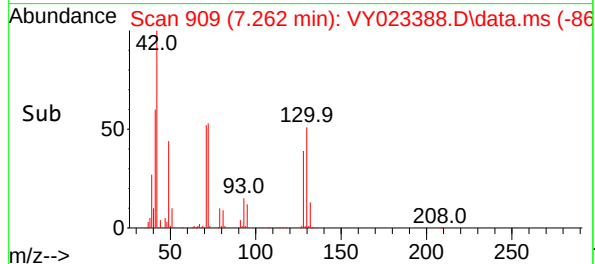
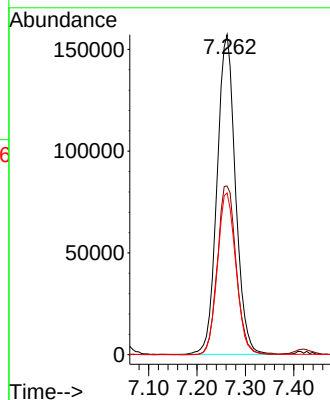
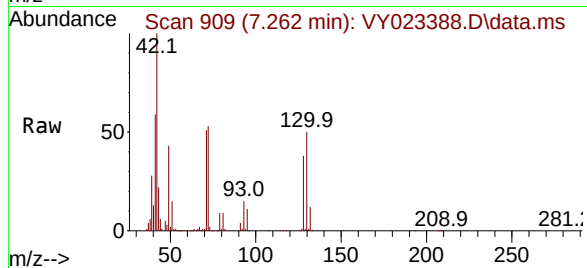
71 50.9 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 91.401 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023388.D

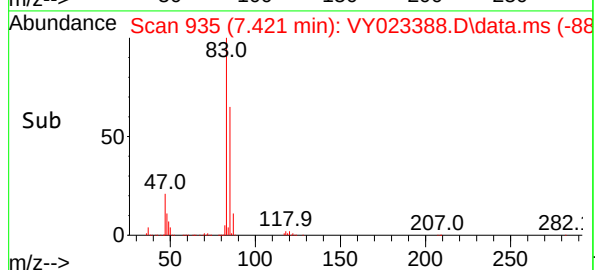
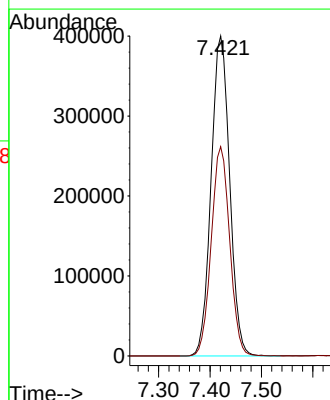
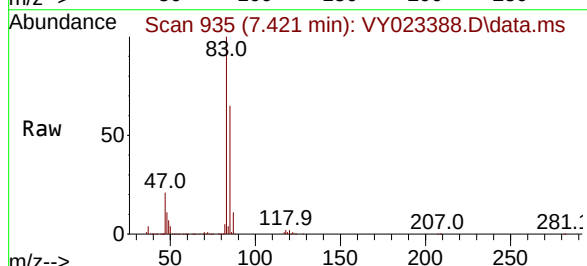
Acq: 07 Oct 2025 12:09

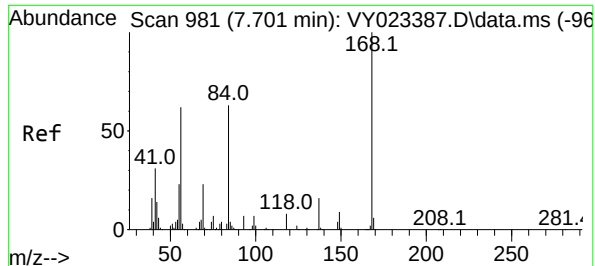
Tgt Ion: 83 Resp: 1003722

Ion Ratio Lower Upper

83 100

85 65.4 52.5 78.7





#31

Cyclohexane

Concen: 85.293 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 767083

Ion Ratio Lower Upper

56 100

69 34.9 30.0 45.0

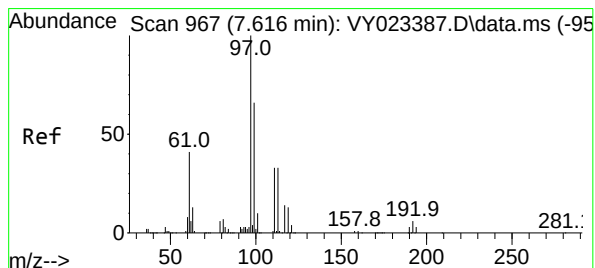
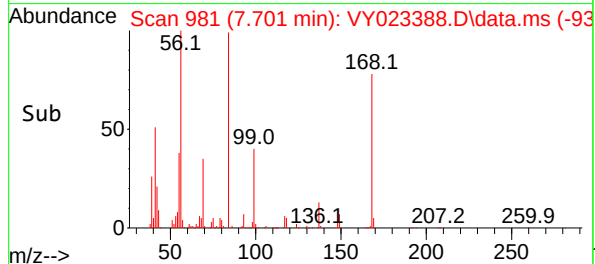
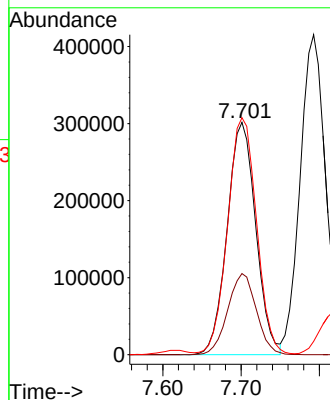
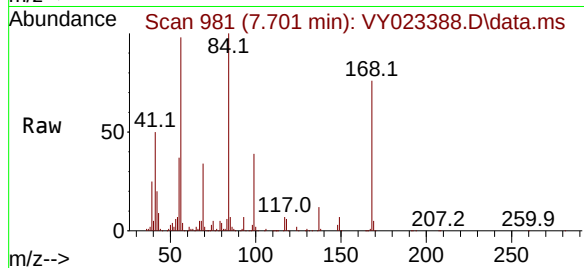
84 100.2 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 92.399 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

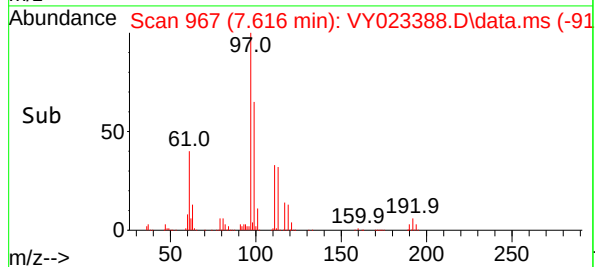
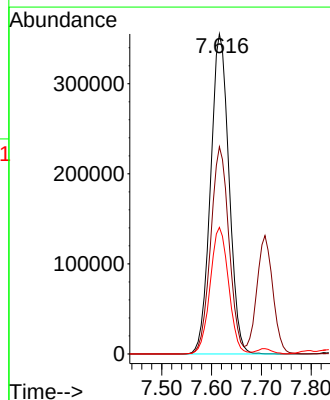
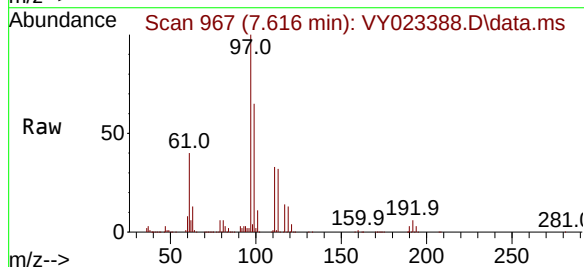
Tgt Ion: 97 Resp: 910837

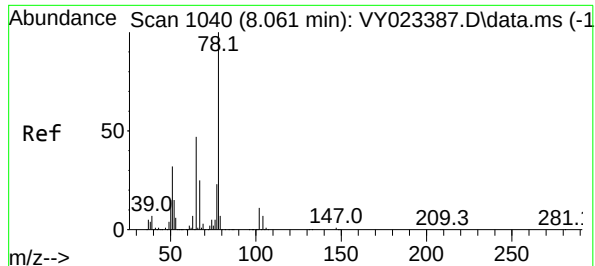
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.7 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 90.510 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 467000

Ion Ratio Lower Upper

65 100

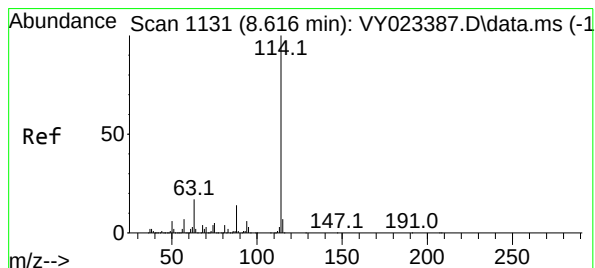
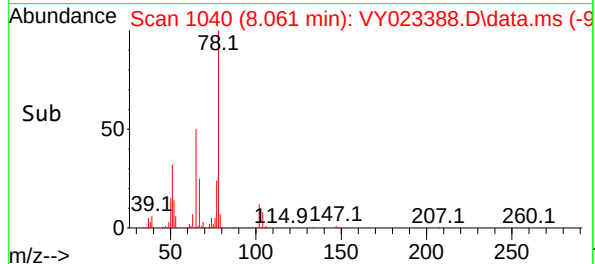
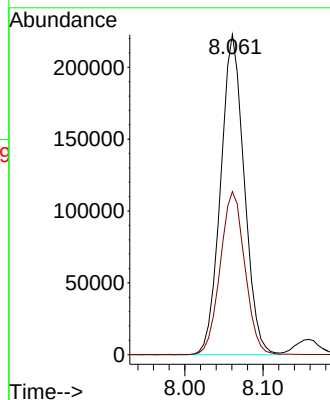
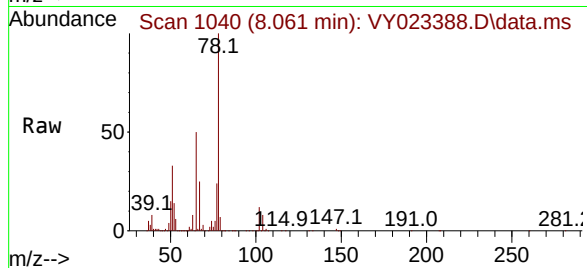
67 53.0 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

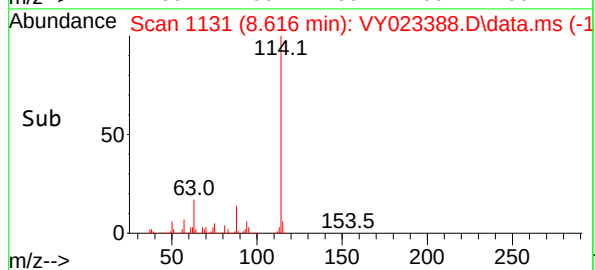
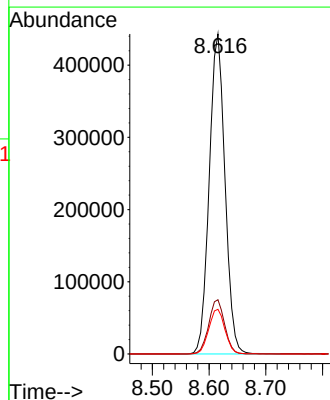
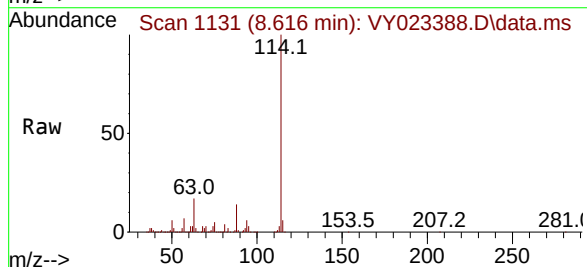
Tgt Ion:114 Resp: 855682

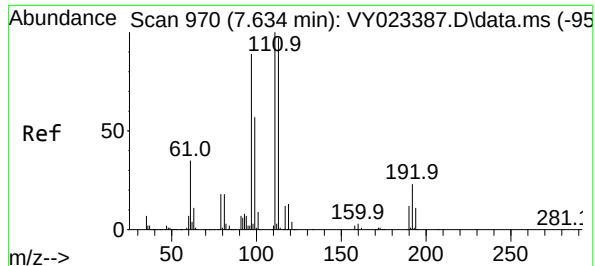
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 13.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 98.497 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 511478

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

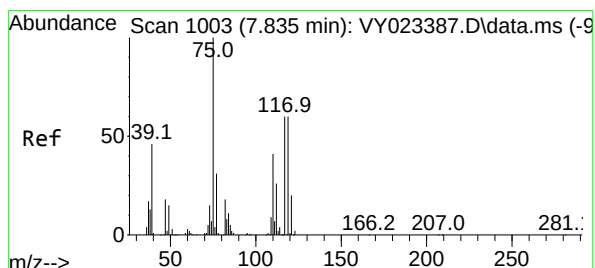
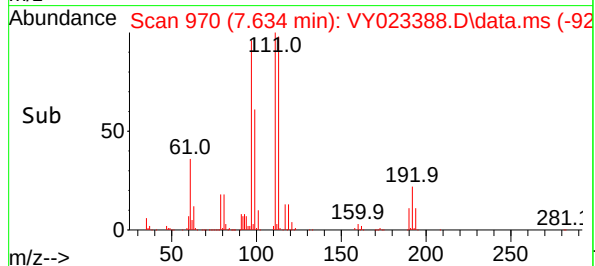
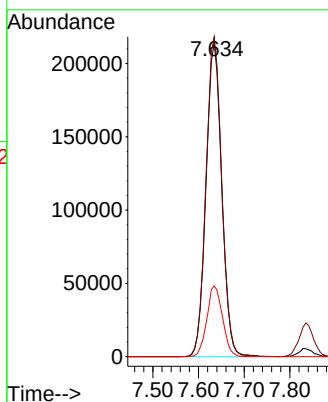
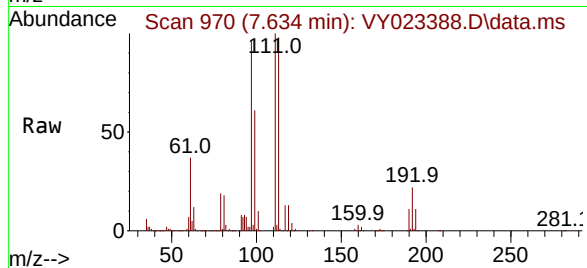
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 94.516 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

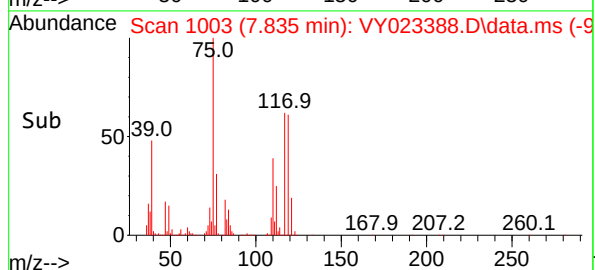
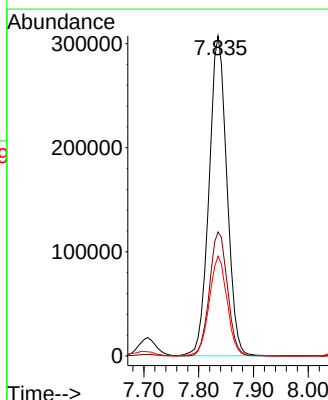
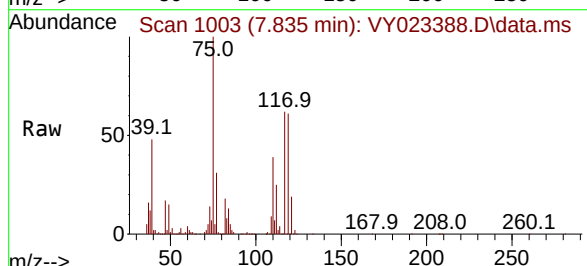
Tgt Ion: 75 Resp: 692477

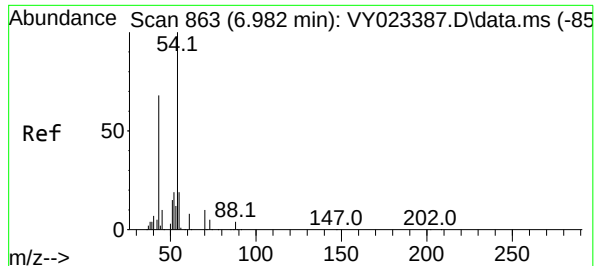
Ion Ratio Lower Upper

75 100

110 39.2 19.9 59.7

77 31.4 25.0 37.6





#37

Ethyl Acetate

Concen: 96.859 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 280560

Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.8

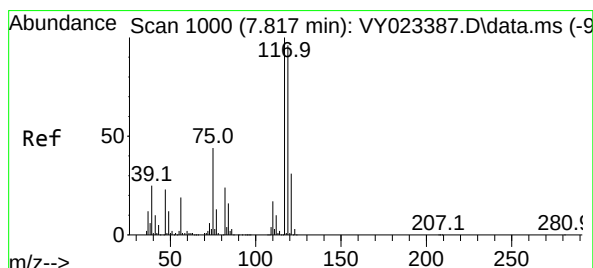
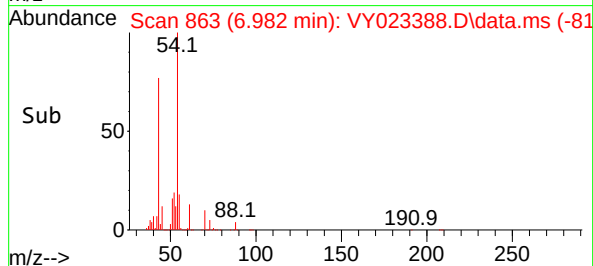
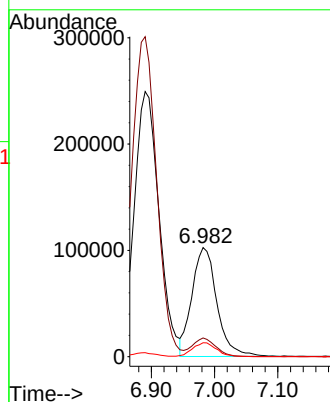
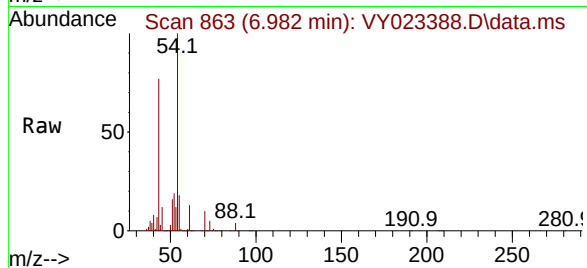
70 12.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 97.894 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

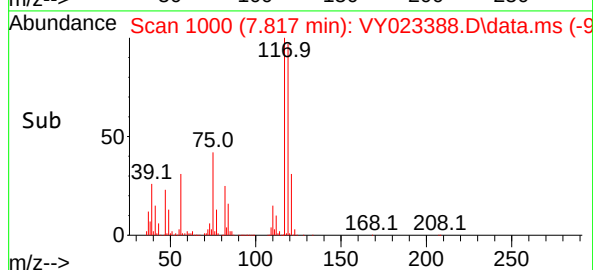
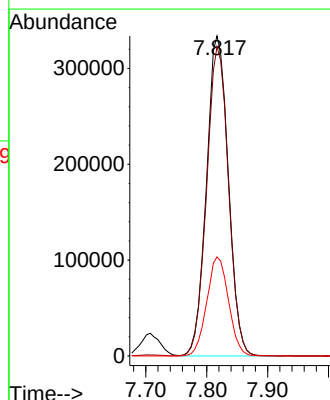
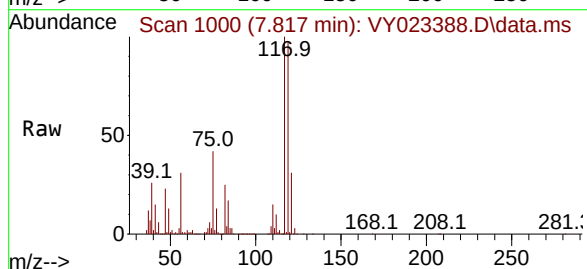
Tgt Ion:117 Resp: 833170

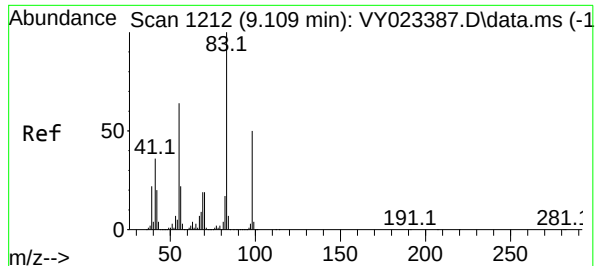
Ion Ratio Lower Upper

117 100

119 96.7 76.8 115.2

121 30.9 24.5 36.7





#39

Methylcyclohexane

Concen: 101.024 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 947664

Ion Ratio Lower Upper

83 100

55 65.4 51.4 77.2

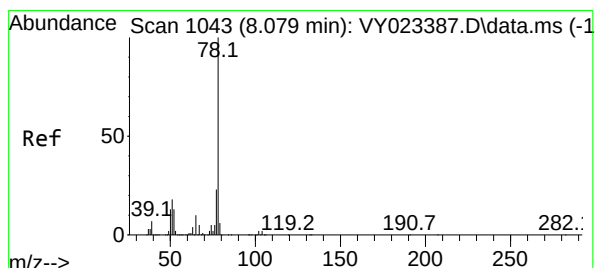
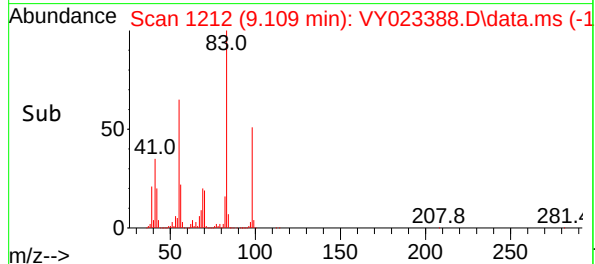
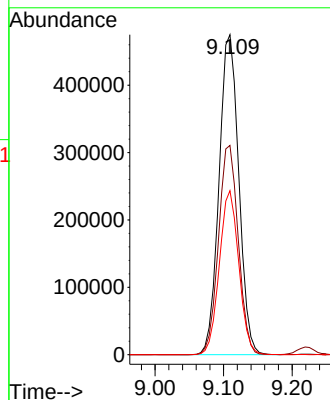
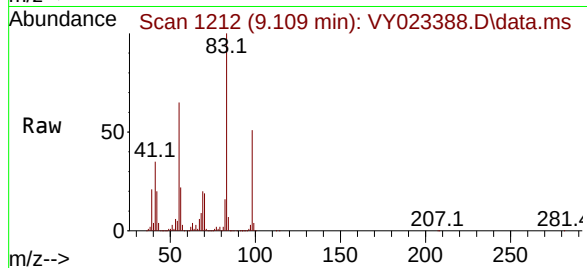
98 51.3 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 96.000 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023388.D

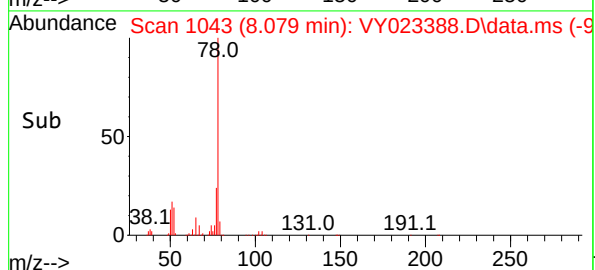
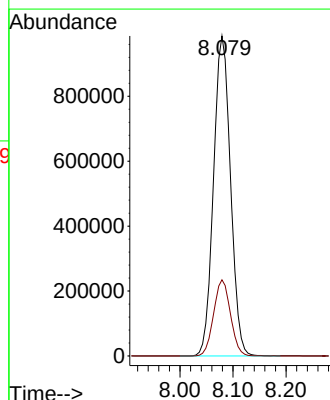
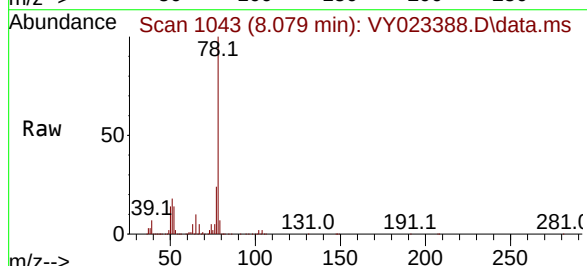
Acq: 07 Oct 2025 12:09

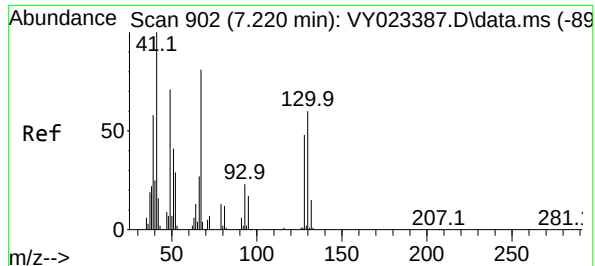
Tgt Ion: 78 Resp: 2192645

Ion Ratio Lower Upper

78 100

77 23.8 18.3 27.5





#41

Methacrylonitrile

Concen: 101.200 ug/l

RT: 7.219 min Scan# 902

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 152239

Ion Ratio Lower Upper

41 100

39 62.6 52.2 78.4

67 93.9 74.9 112.3

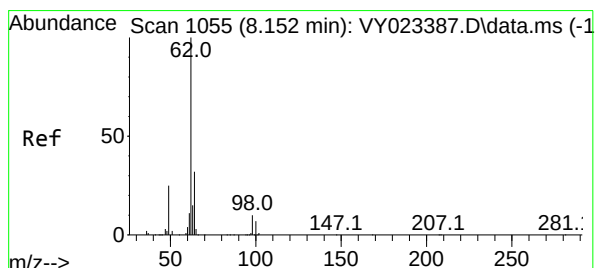
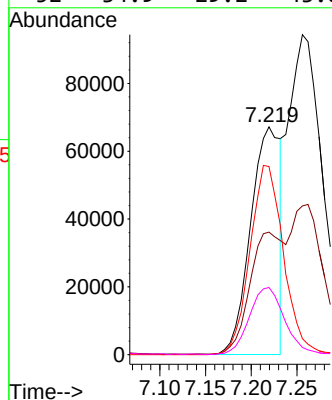
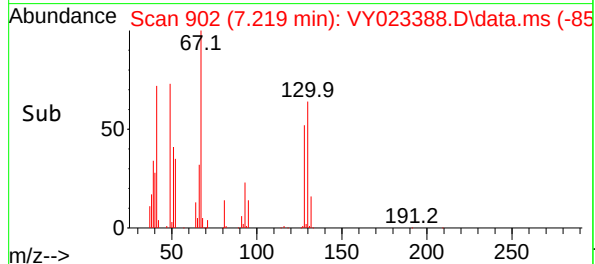
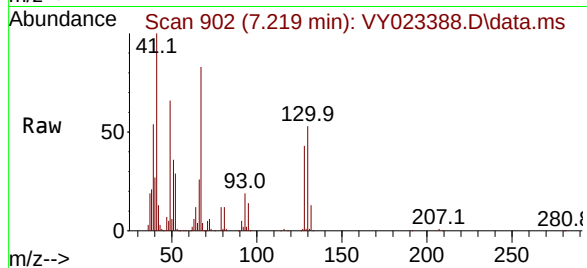
52 34.9 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#42

1,2-Dichloroethane

Concen: 95.449 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023388.D

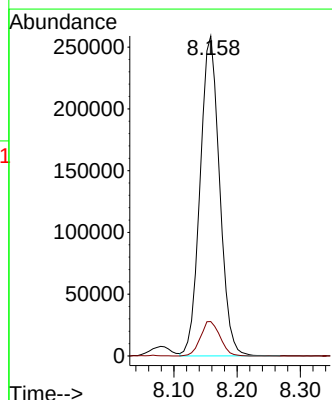
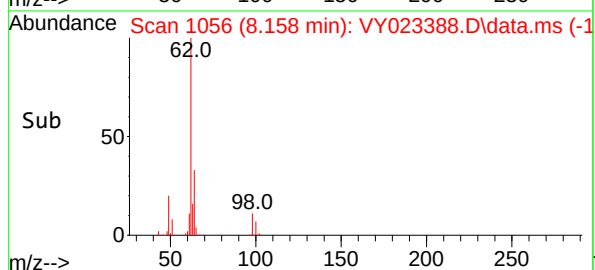
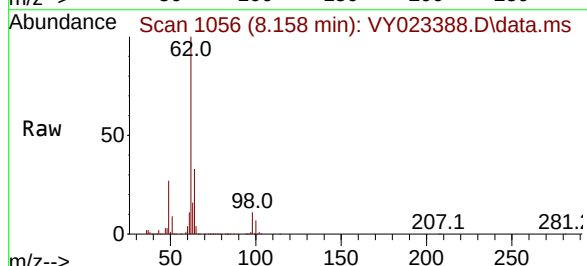
Acq: 07 Oct 2025 12:09

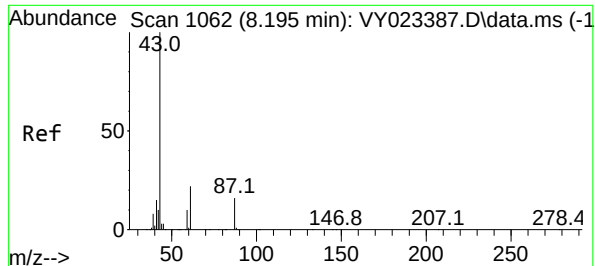
Tgt Ion: 62 Resp: 554810

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.6





#43

Isopropyl Acetate

Concen: 101.815 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 57365

Ion Ratio Lower Upper

43 100

61 23.0 18.1 27.1

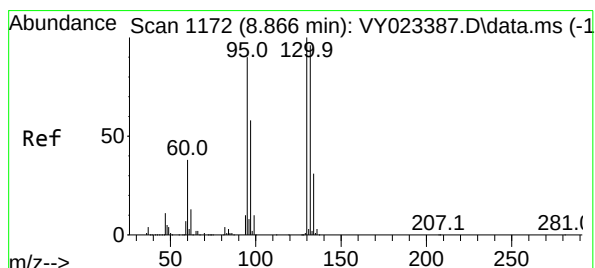
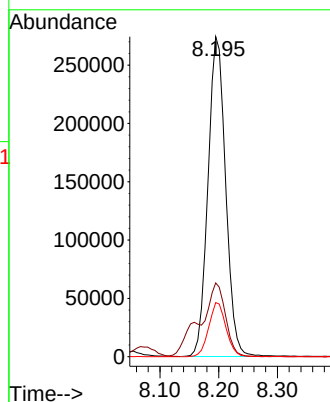
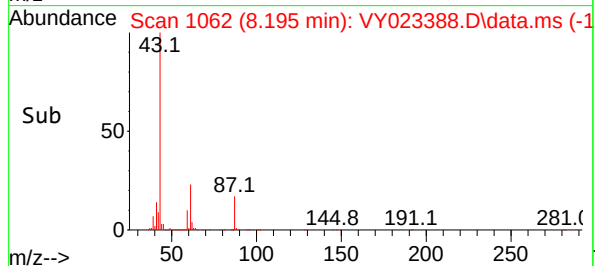
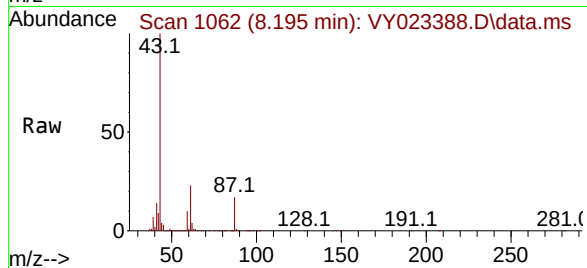
87 16.6 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 99.245 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023388.D

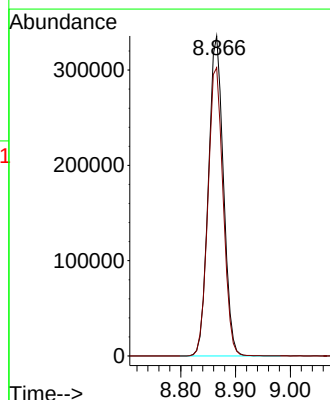
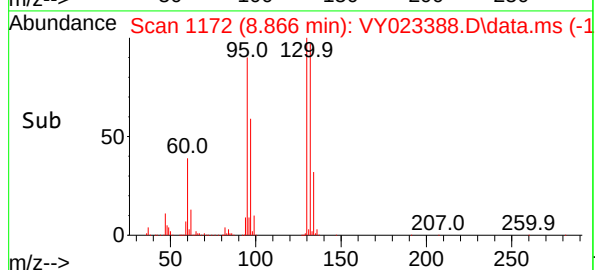
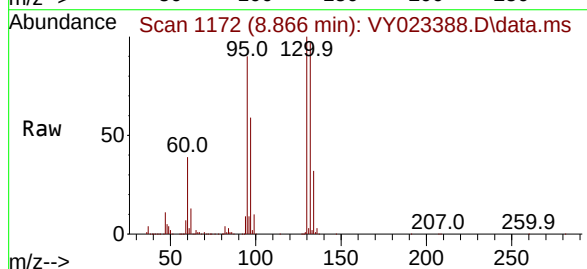
Acq: 07 Oct 2025 12:09

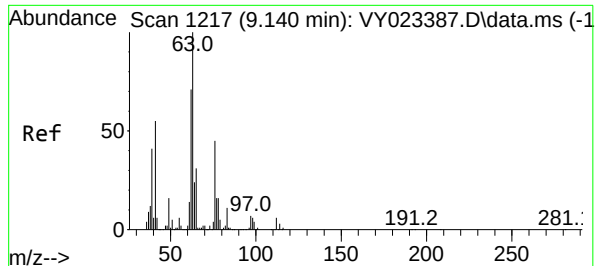
Tgt Ion:130 Resp: 636149

Ion Ratio Lower Upper

130 100

95 90.1 0.0 180.6





#45

1,2-Dichloropropane

Concen: 94.381 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 485084

Ion Ratio Lower Upper

63 100

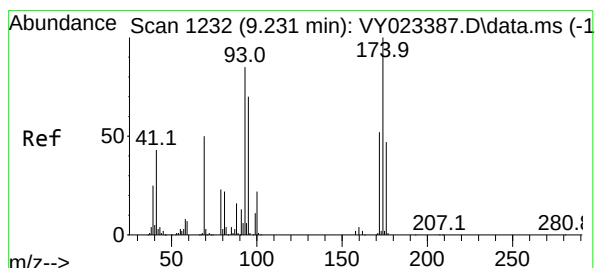
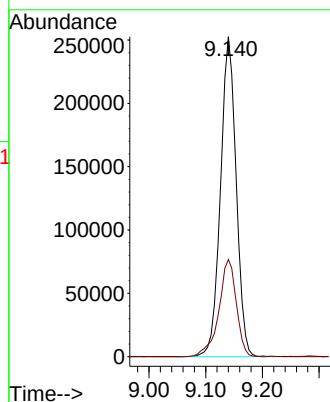
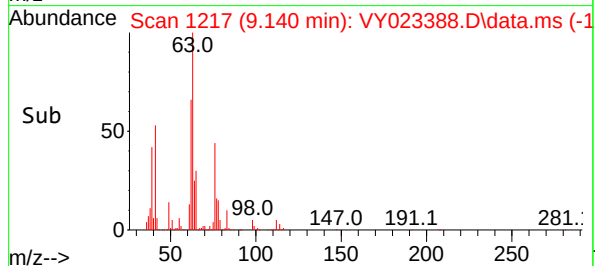
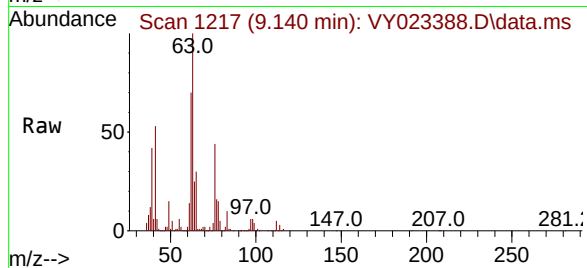
65 30.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 98.596 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

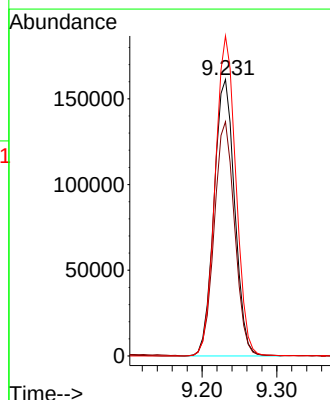
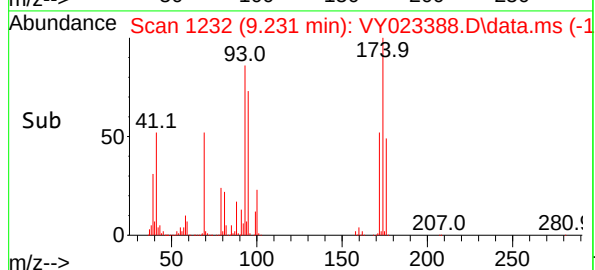
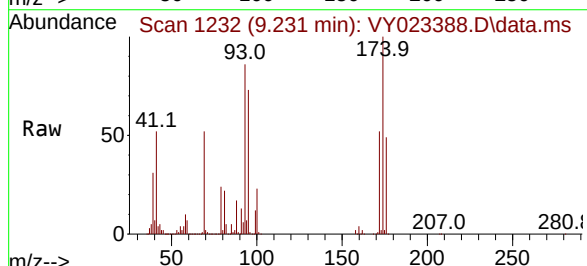
Tgt Ion: 93 Resp: 309964

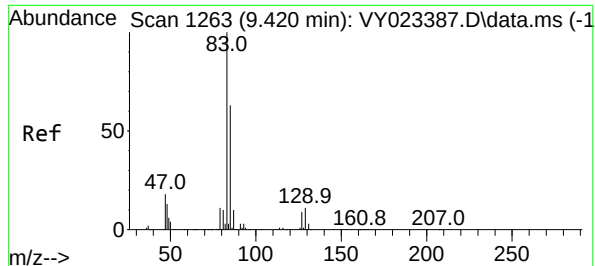
Ion Ratio Lower Upper

93 100

95 83.8 65.4 98.0

174 115.6 92.9 139.3





#47

Bromodichloromethane

Concen: 97.210 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 769238

Ion Ratio Lower Upper

83 100

85 64.1 50.8 76.2

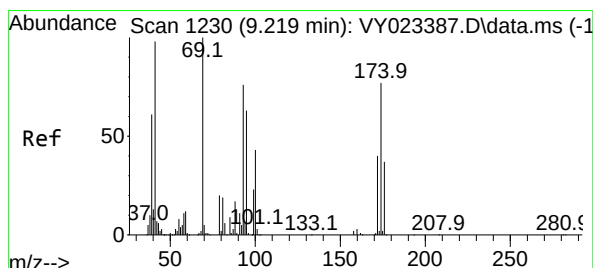
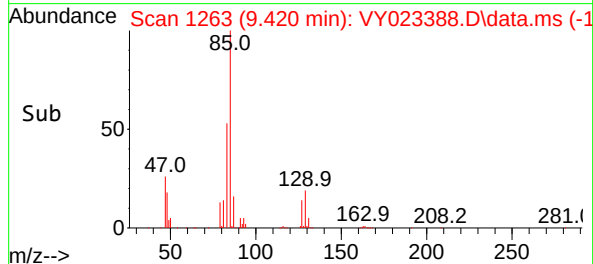
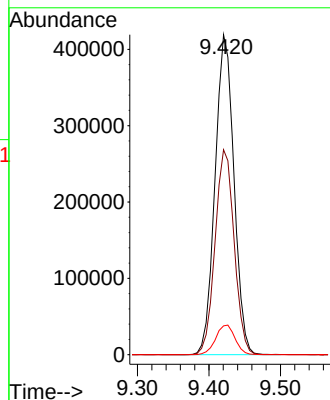
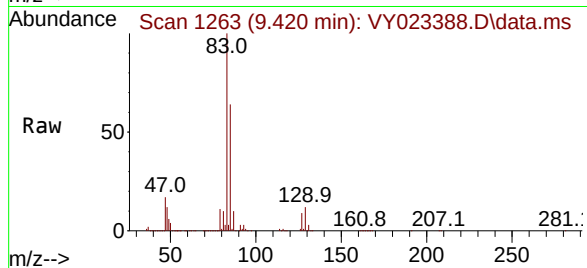
127 9.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 107.476 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

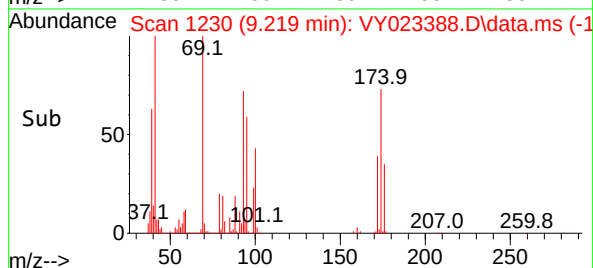
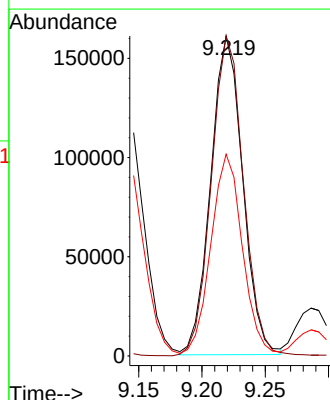
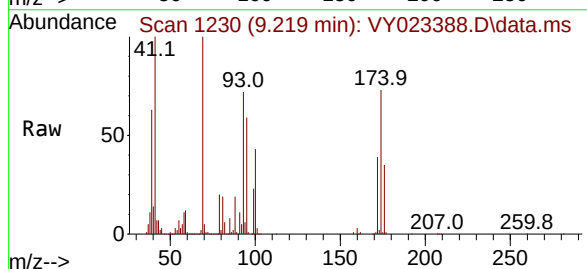
Tgt Ion: 41 Resp: 282582

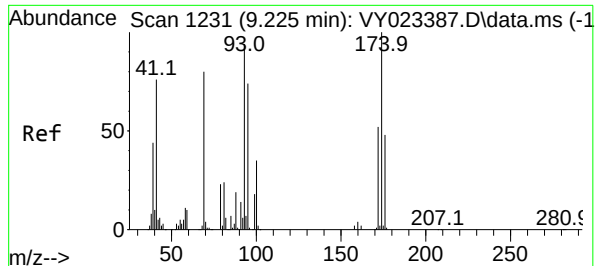
Ion Ratio Lower Upper

41 100

69 100.8 81.0 121.4

39 60.9 48.2 72.4





#49

1,4-Dioxane

Concen: 2374.722 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

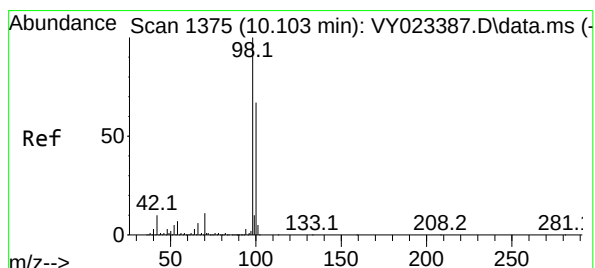
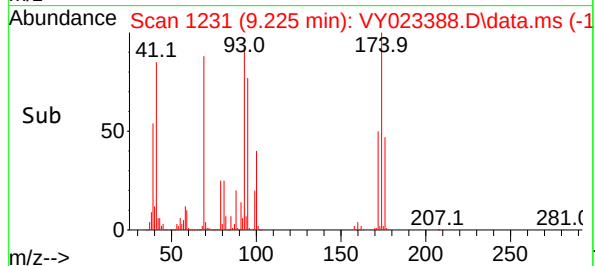
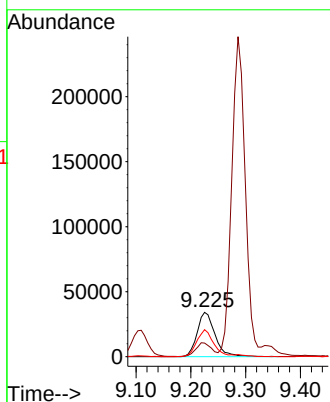
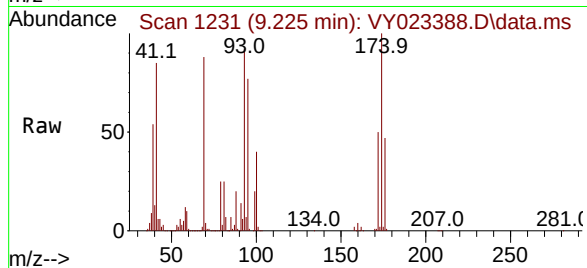
ClientSampleId :

VSTDICC100

Tgt Ion:	88	Resp:	77308
Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	58.0	46.8	70.2

Manual Integrations
APPROVED

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



#50

Toluene-d8

Concen: 98.031 ug/l

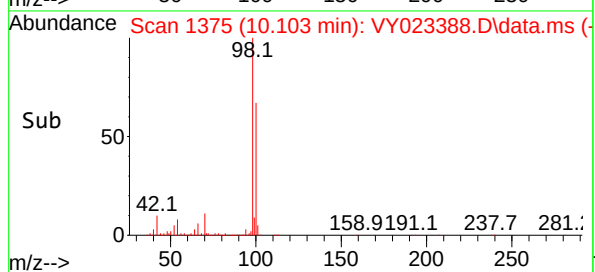
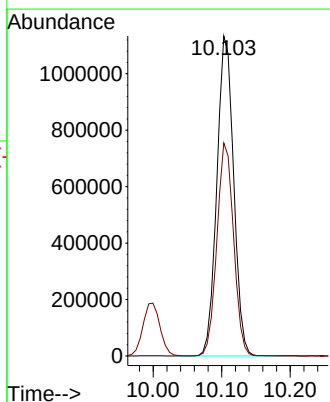
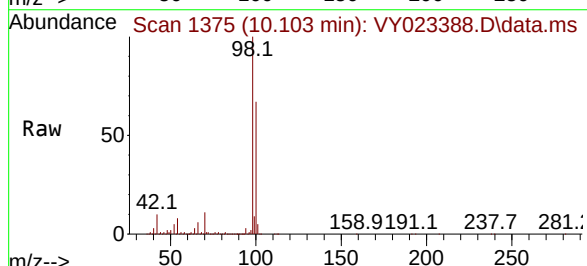
RT: 10.103 min Scan# 1375

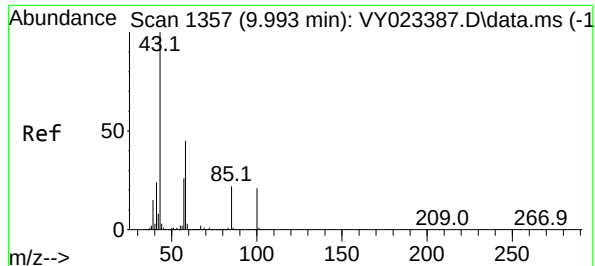
Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Tgt Ion:	98	Resp:	1919872
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





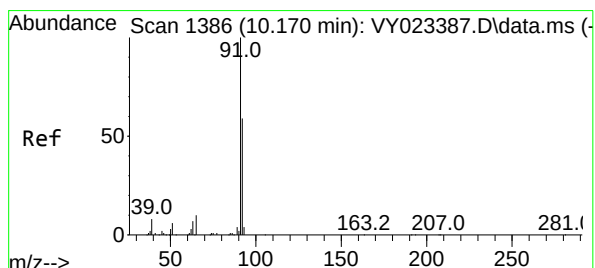
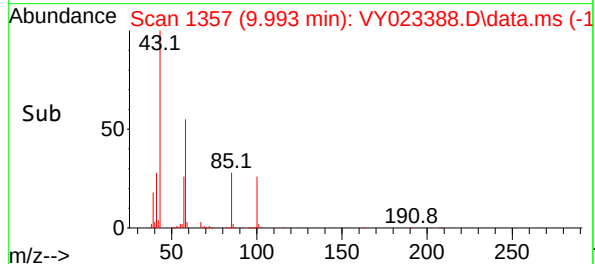
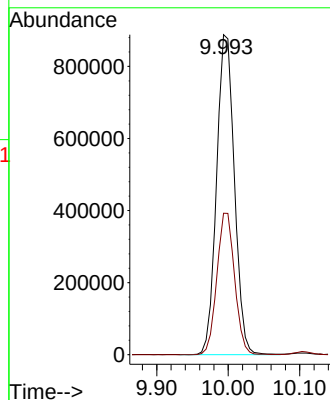
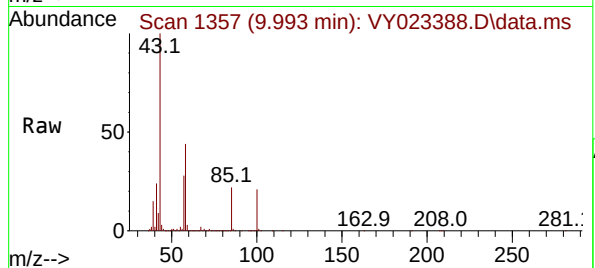
#51
4-Methyl-2-Pentanone
Concen: 533.386 ug/l
RT: 9.993 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1539324
Ion Ratio Lower Upper
43 100
58 44.0 35.3 52.9

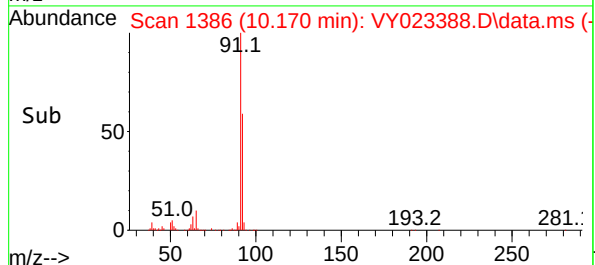
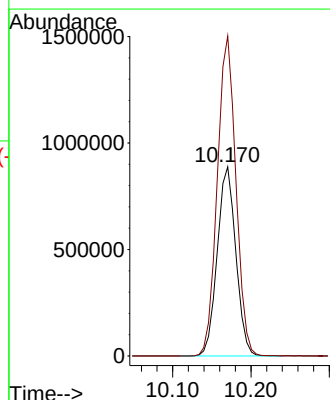
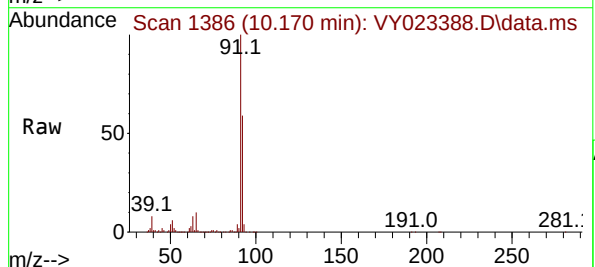
Manual Integrations
APPROVED

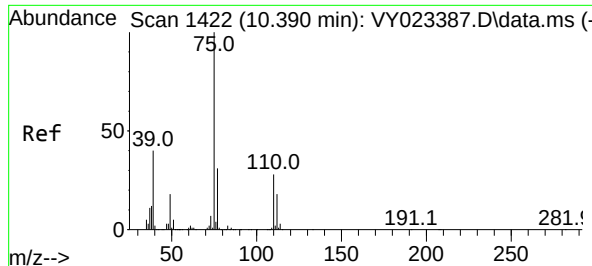
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Toluene
Concen: 100.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 92 Resp: 1462927
Ion Ratio Lower Upper
92 100
91 169.6 136.4 204.6





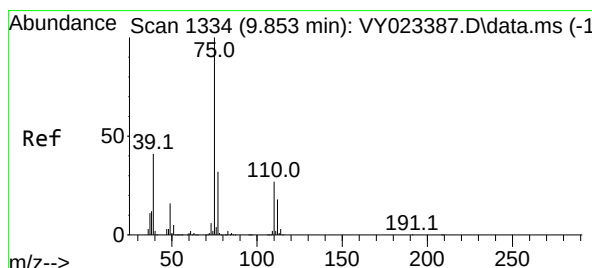
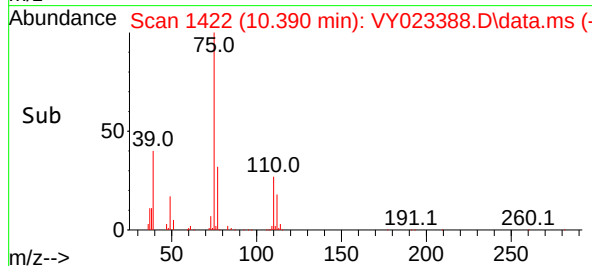
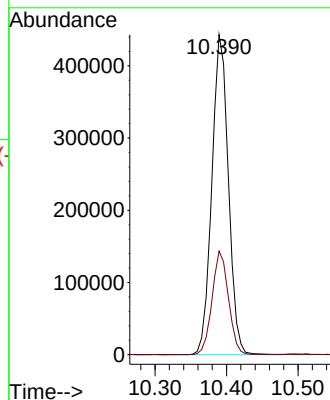
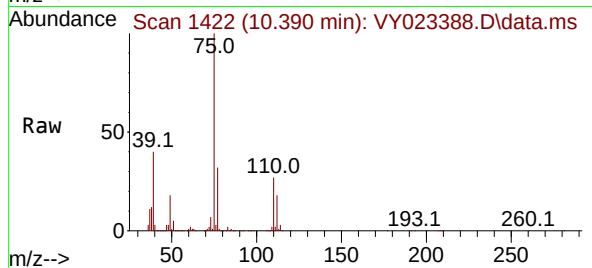
#53
t-1,3-Dichloropropene
Concen: 104.537 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 710475
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7

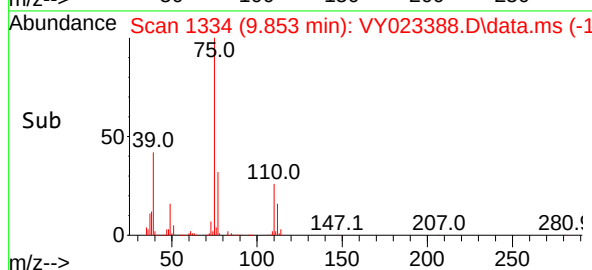
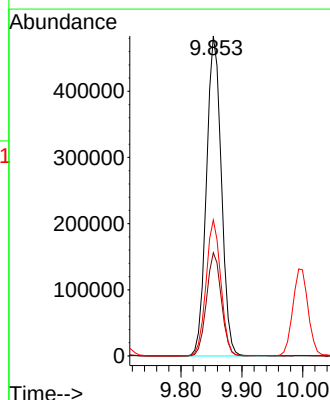
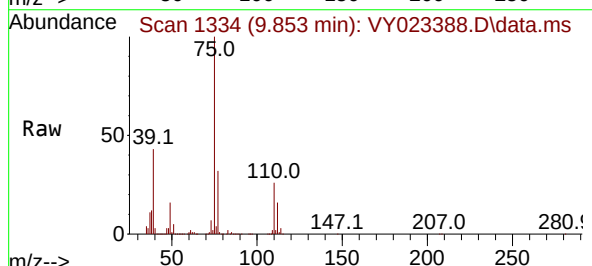
Manual Integrations
APPROVED

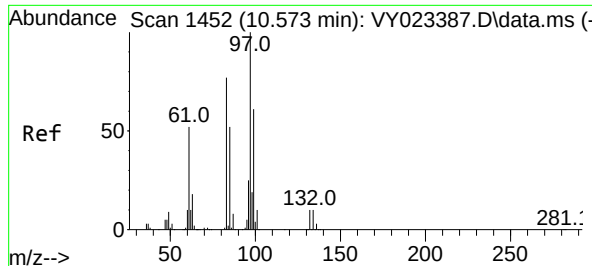
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 101.302 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 822967
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 42.5 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 99.875 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 41762

Ion Ratio Lower Upper

97 100

83 81.3 61.8 92.6

85 53.6 41.3 61.9

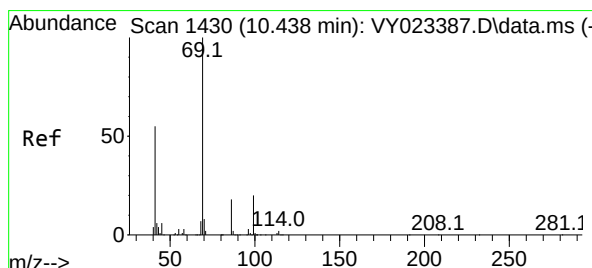
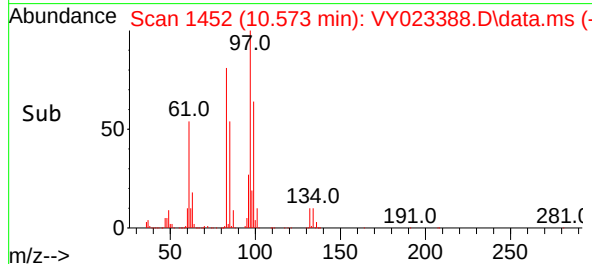
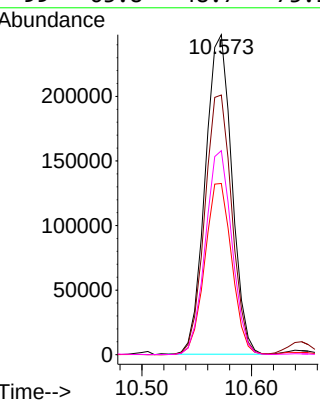
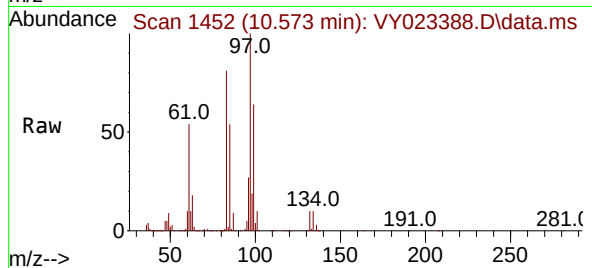
99 63.8 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#56

Ethyl methacrylate

Concen: 114.077 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

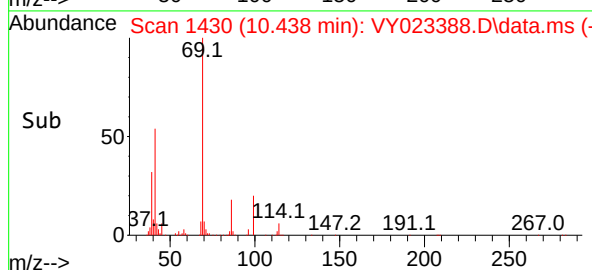
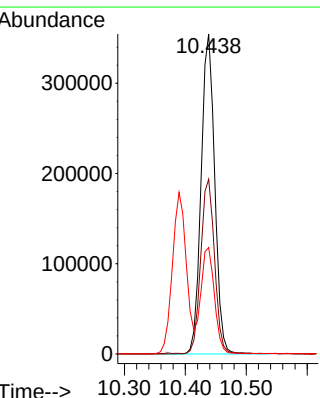
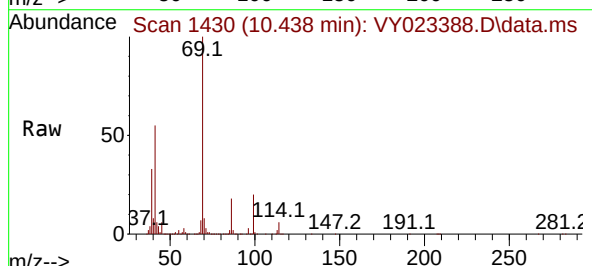
Tgt Ion: 69 Resp: 549366

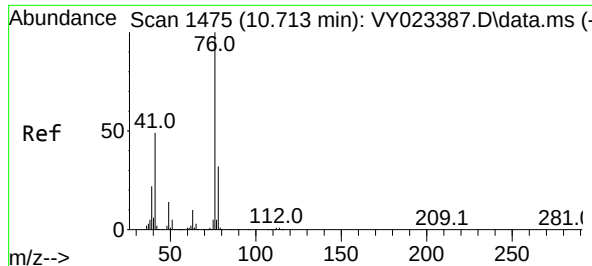
Ion Ratio Lower Upper

69 100

41 55.1 44.6 67.0

39 33.3 27.0 40.4





#57

1,3-Dichloropropane

Concen: 99.140 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 67096

Ion Ratio Lower Upper

76 100

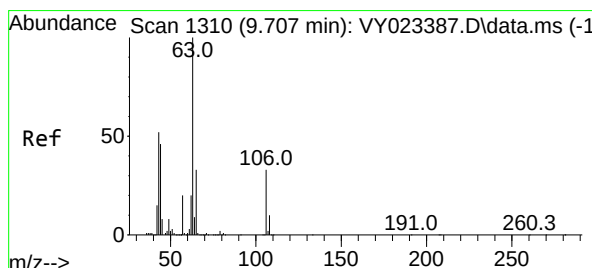
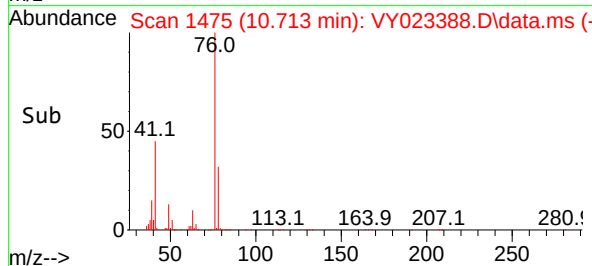
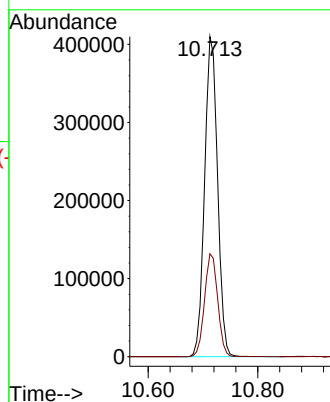
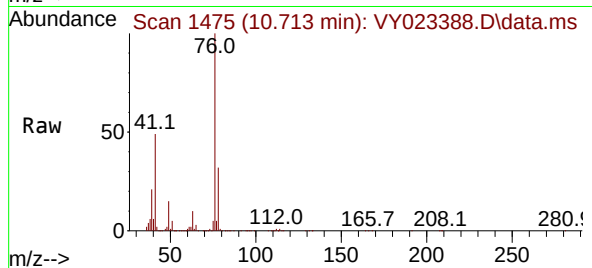
78 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 588.731 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VY023388.D

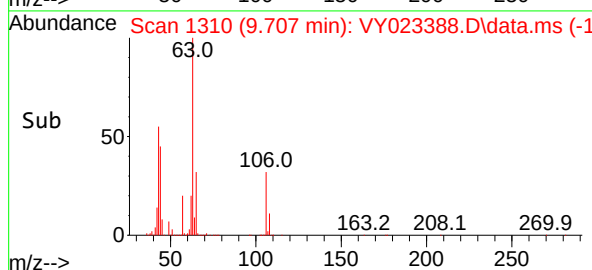
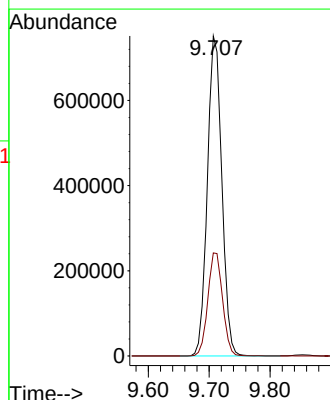
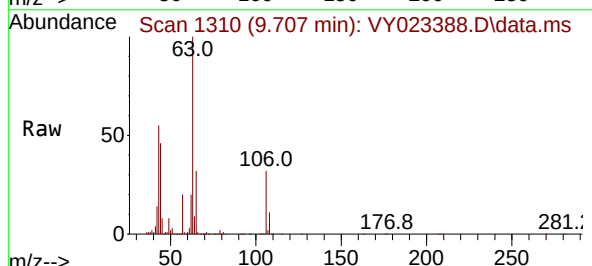
Acq: 07 Oct 2025 12:09

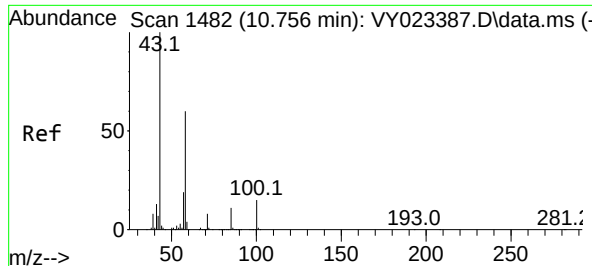
Tgt Ion: 63 Resp: 1240361

Ion Ratio Lower Upper

63 100

106 32.8 26.6 39.8





#59

2-Hexanone

Concen: 541.284 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 108156

Ion Ratio Lower Upper

43 100

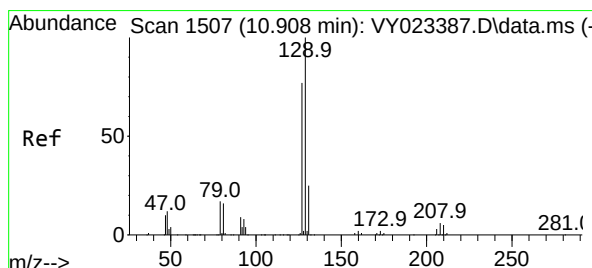
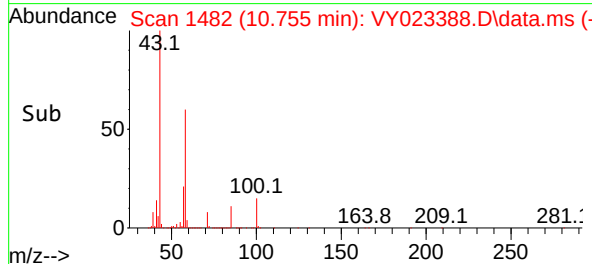
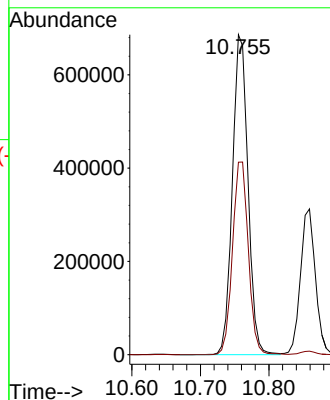
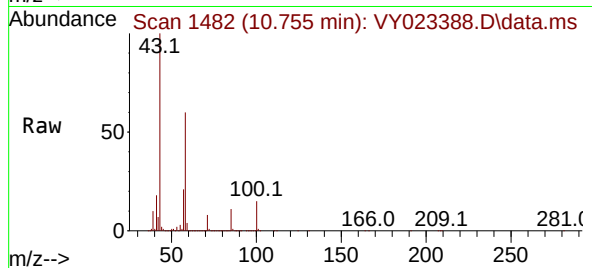
58 61.5 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 104.133 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023388.D

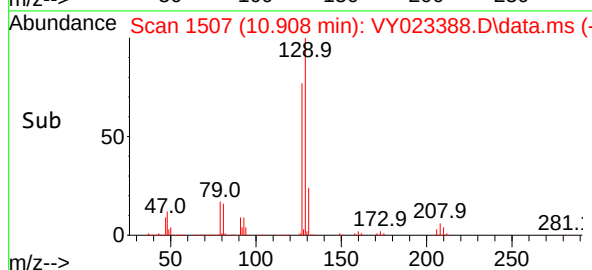
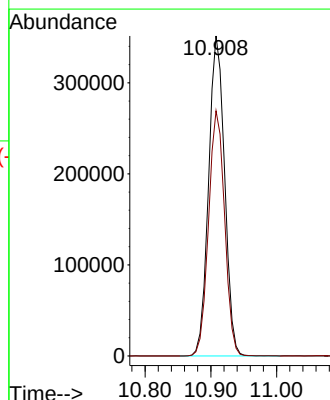
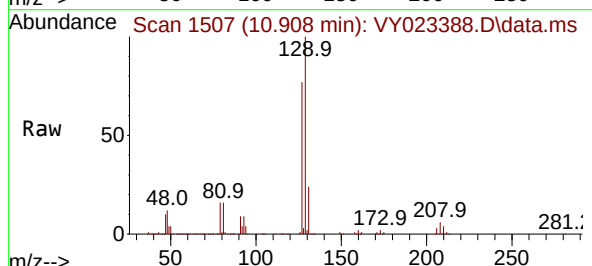
Acq: 07 Oct 2025 12:09

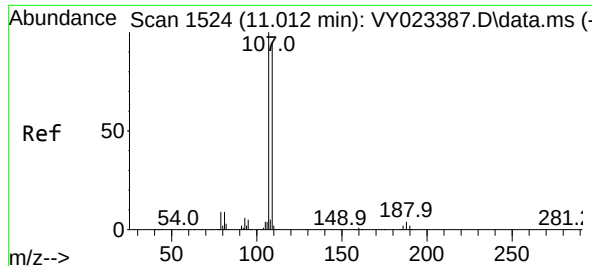
Tgt Ion:129 Resp: 593878

Ion Ratio Lower Upper

129 100

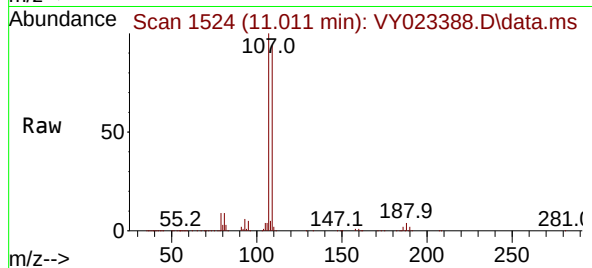
127 76.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 103.280 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

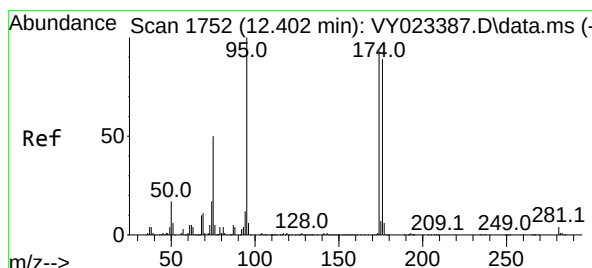
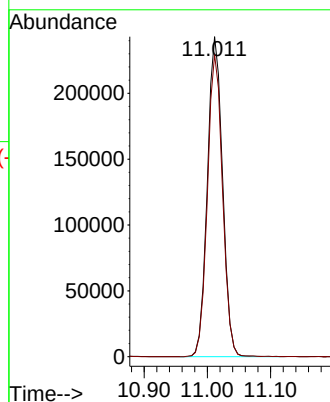
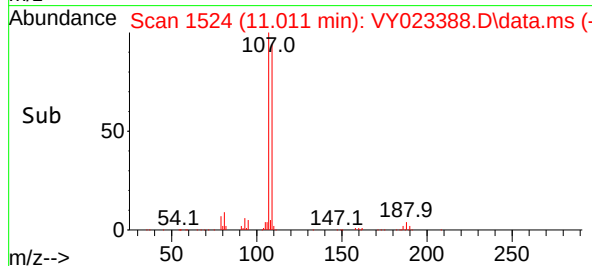
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 406293
Ion Ratio Lower Upper
107 100
109 94.0 76.1 114.1

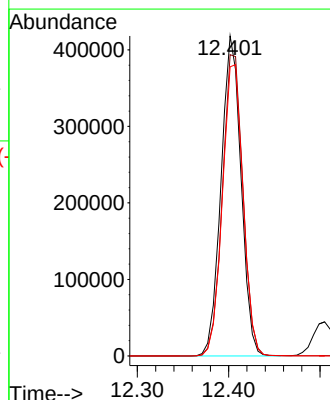
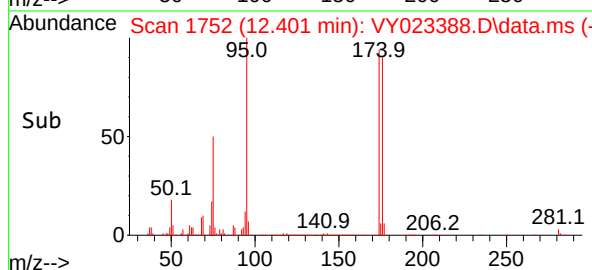
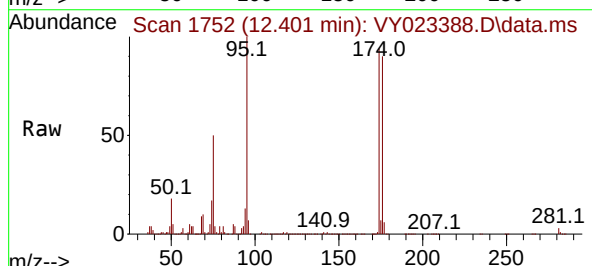
Manual Integrations
APPROVED

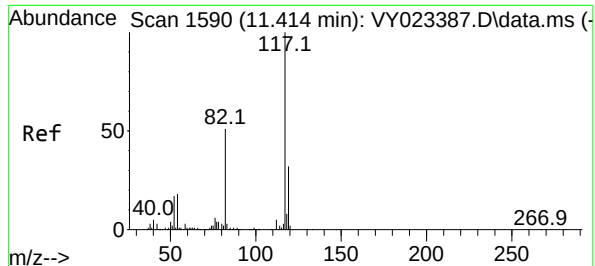
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
4-Bromofluorobenzene
Concen: 103.007 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

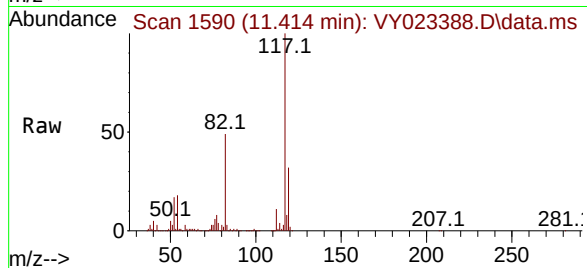
Tgt Ion: 95 Resp: 636435
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 94.1 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

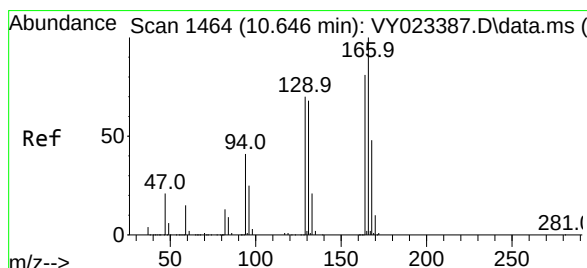
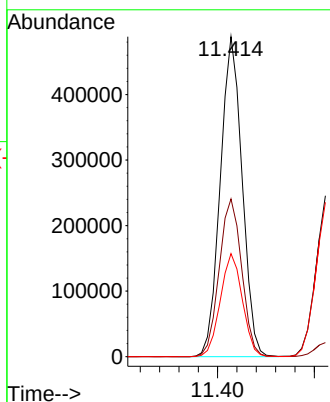
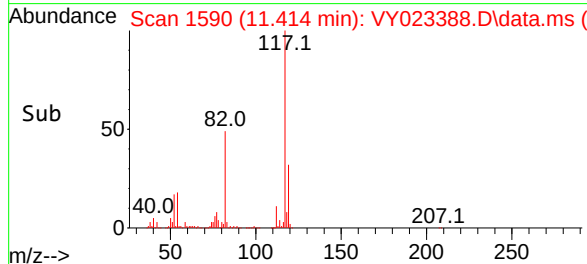
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



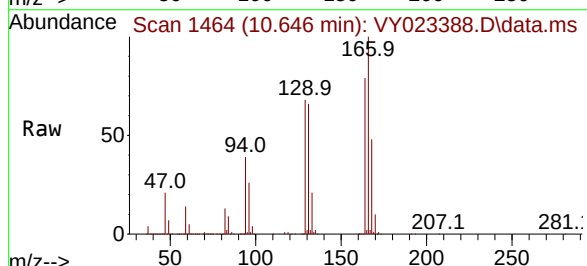
Tgt Ion:117 Resp: 76436
Ion Ratio Lower Upper
117 100
82 49.3 41.0 61.4
119 32.2 25.6 38.4

Manual Integrations
APPROVED

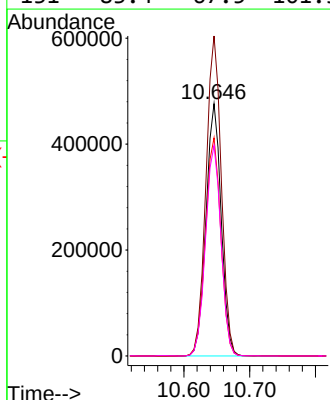
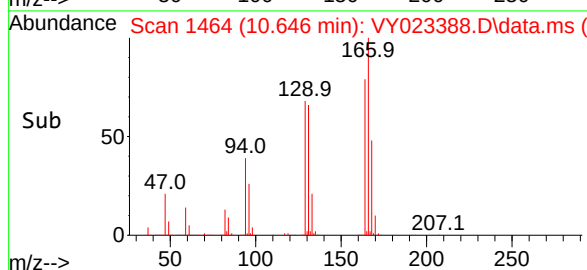
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

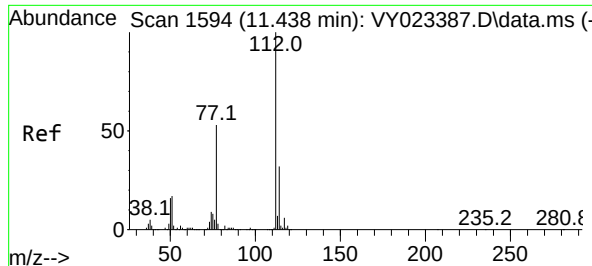


#64
Tetrachloroethene
Concen: 100.406 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09



Tgt Ion:164 Resp: 767753
Ion Ratio Lower Upper
164 100
166 126.9 99.4 149.0
129 86.5 69.4 104.2
131 83.4 67.5 101.3





#65

Chlorobenzene

Concen: 99.649 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 165514

Ion Ratio Lower Upper

112 100

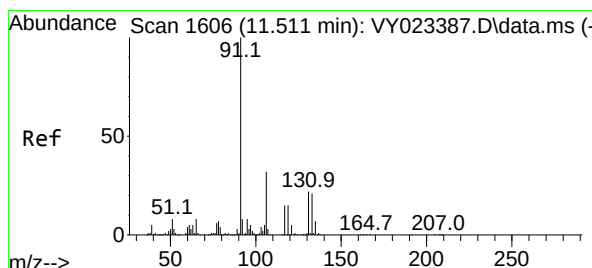
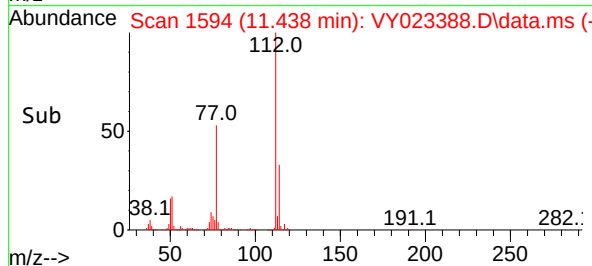
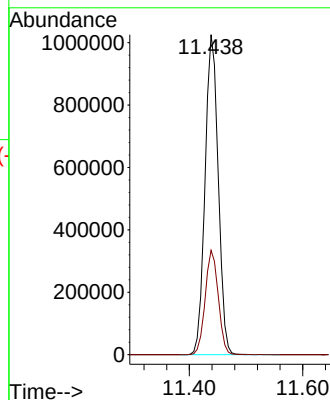
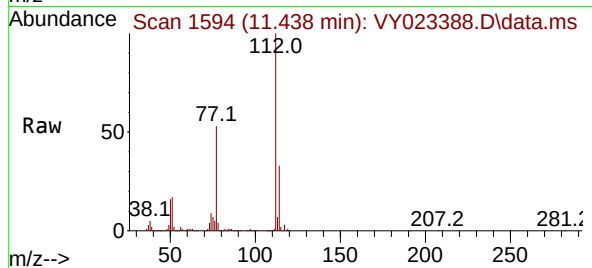
114 32.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 100.470 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

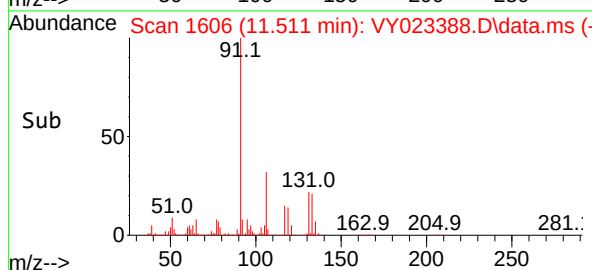
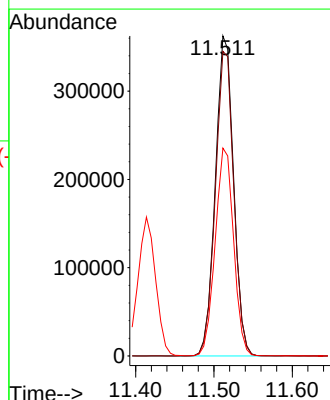
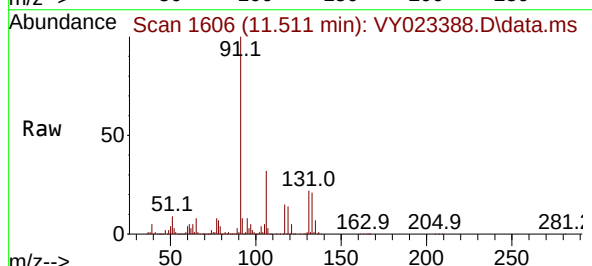
Tgt Ion:131 Resp: 586878

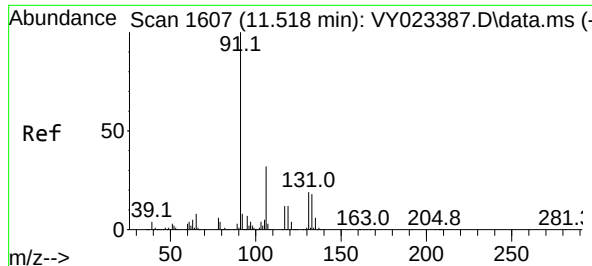
Ion Ratio Lower Upper

131 100

133 96.0 48.4 145.2

119 65.7 32.4 97.2





#67

Ethyl Benzene

Concen: 102.856 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 278825

Ion Ratio Lower Upper

91 100

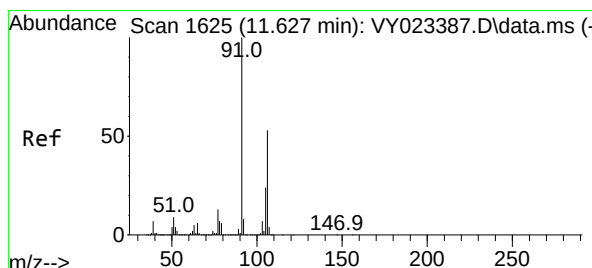
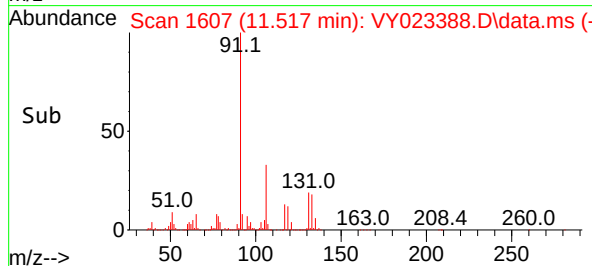
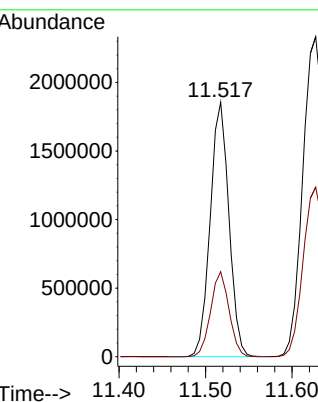
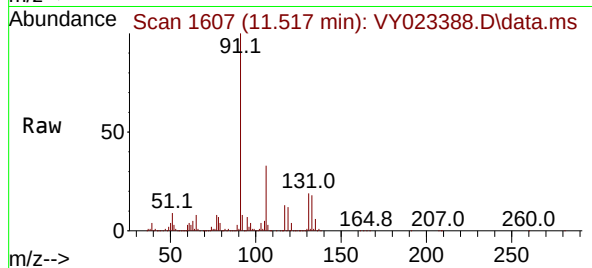
106 33.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 206.437 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023388.D

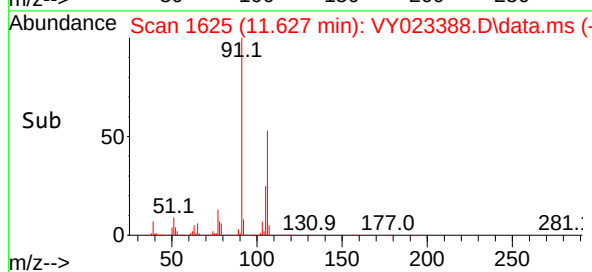
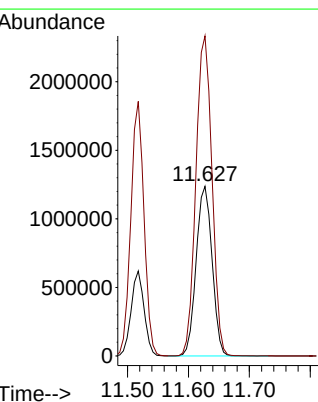
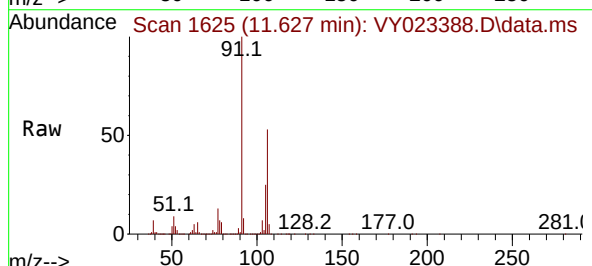
Acq: 07 Oct 2025 12:09

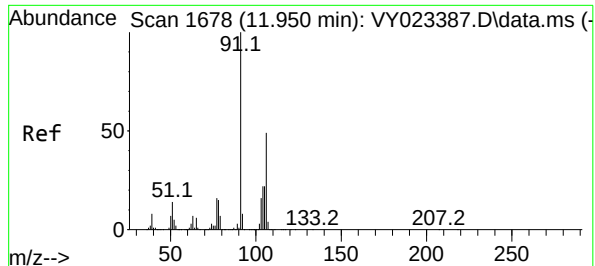
Tgt Ion:106 Resp: 2243033

Ion Ratio Lower Upper

106 100

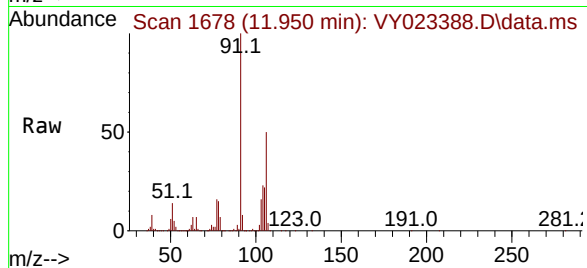
91 190.5 152.6 229.0





#69
o-Xylene
Concen: 106.611 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

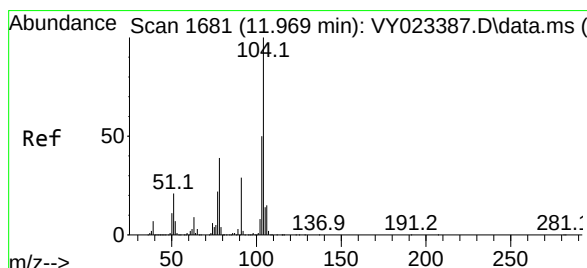
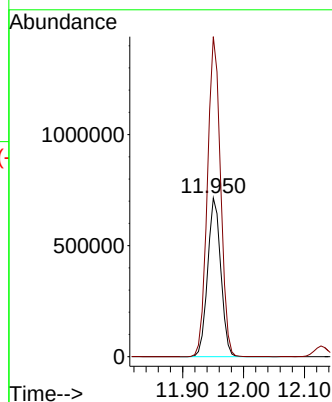
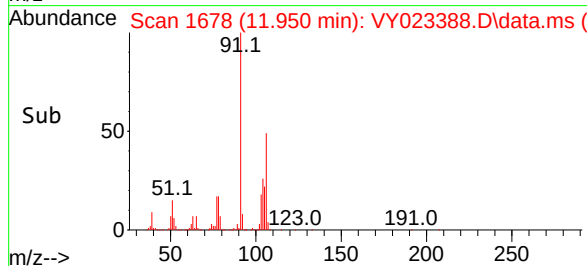
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:106 Resp: 1072335
Ion Ratio Lower Upper
106 100
91 201.8 101.4 304.1

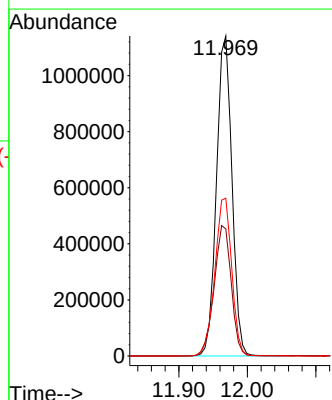
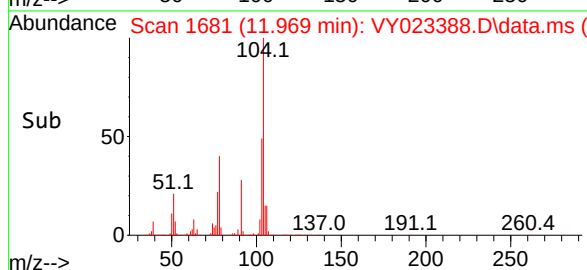
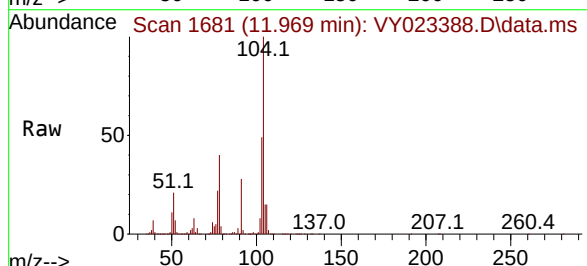
Manual Integrations
APPROVED

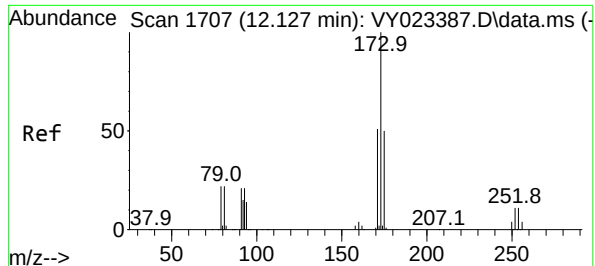
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
Styrene
Concen: 107.344 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

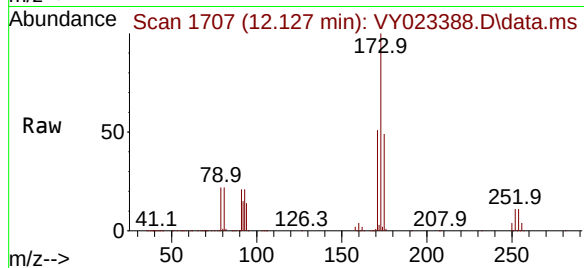
Tgt Ion:104 Resp: 1782757
Ion Ratio Lower Upper
104 100
78 45.3 36.1 54.1
103 53.9 43.2 64.8





#71
Bromoform
Concen: 106.727 ug/l
RT: 12.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

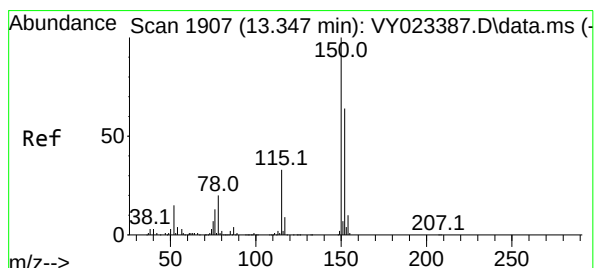
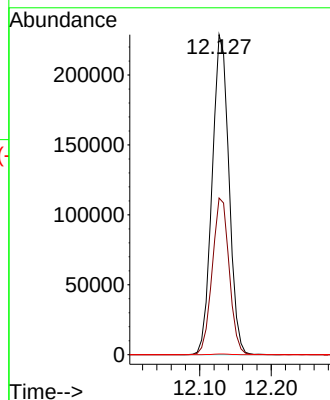
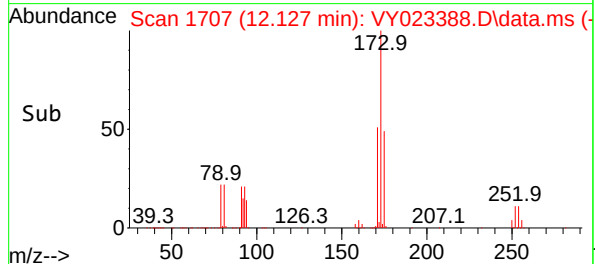
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 373208
Ion Ratio Lower Upper
173 100
175 49.4 24.8 74.3
254 0.2 0.1 0.1

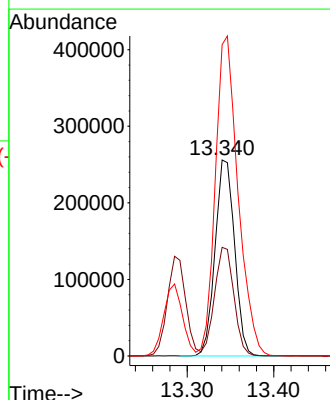
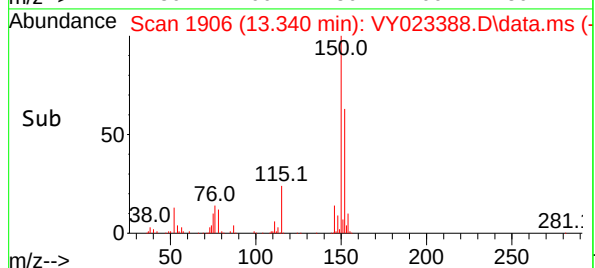
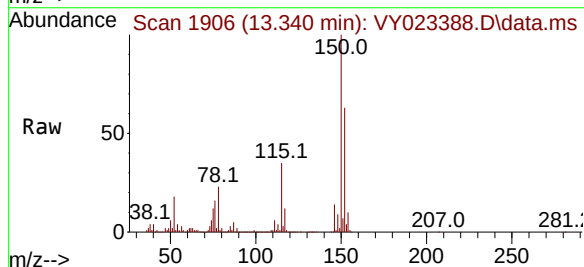
Manual Integrations
APPROVED

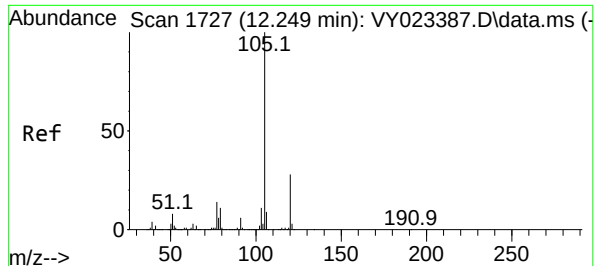
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

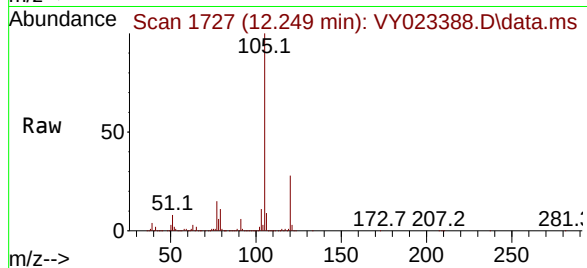
Tgt Ion:152 Resp: 400285
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.2
150 190.0 0.0 347.4





#73
Isopropylbenzene
Concen: 102.825 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

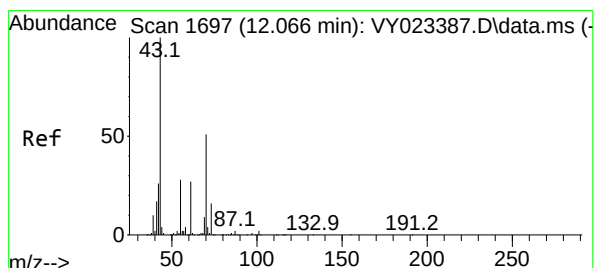
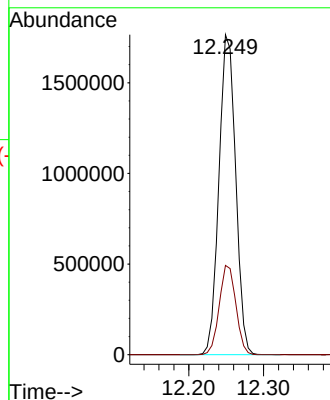
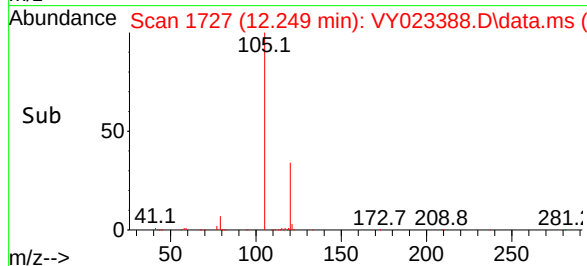
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 2741698
Ion Ratio Lower Upper
105 100
120 27.7 13.9 41.7

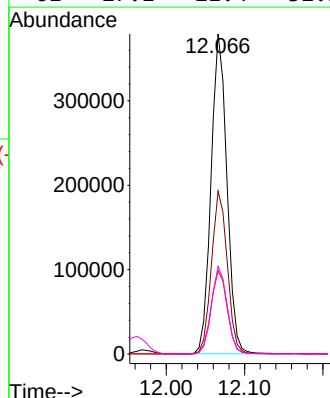
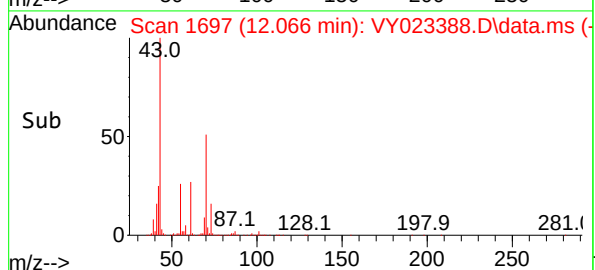
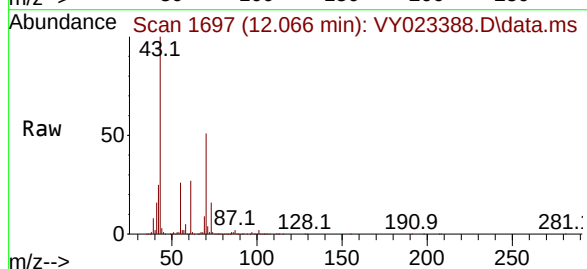
Manual Integrations
APPROVED

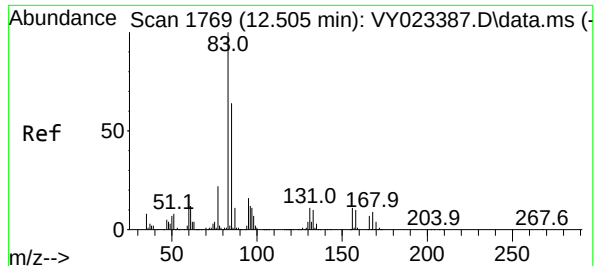
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 106.818 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 532255
Ion Ratio Lower Upper
43 100
70 51.0 41.1 61.7
55 26.8 23.0 34.6
61 27.1 21.4 32.2





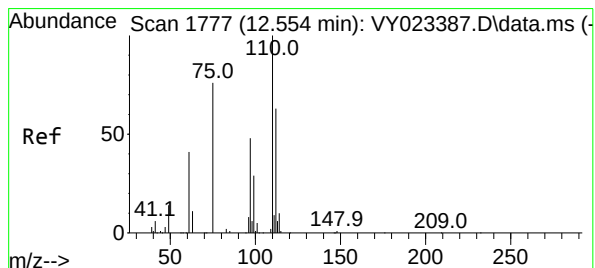
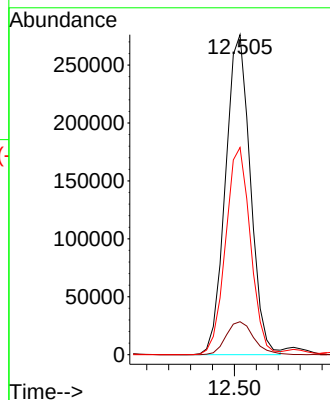
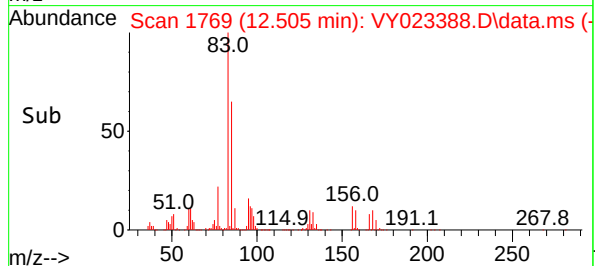
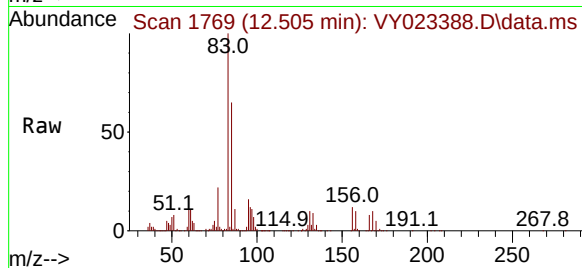
#75
1,1,2,2-Tetrachloroethane
Concen: 97.735 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 434720
Ion Ratio Lower Upper
83 100
131 11.5 5.9 17.6
85 64.9 31.8 95.3

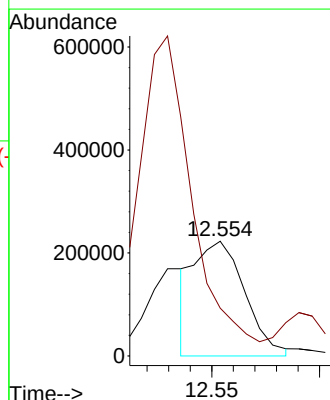
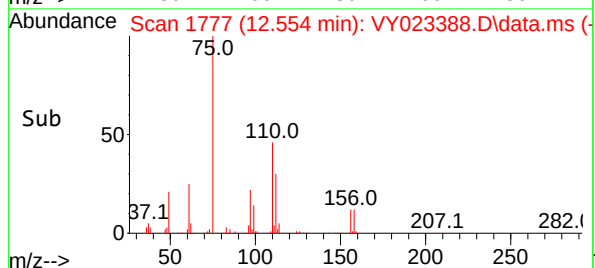
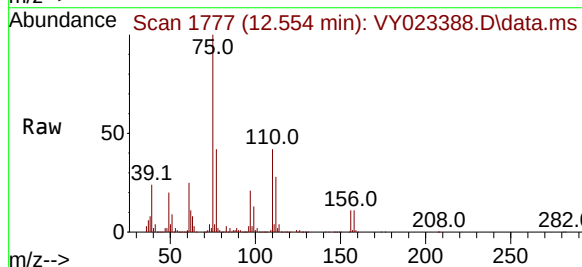
Manual Integrations
APPROVED

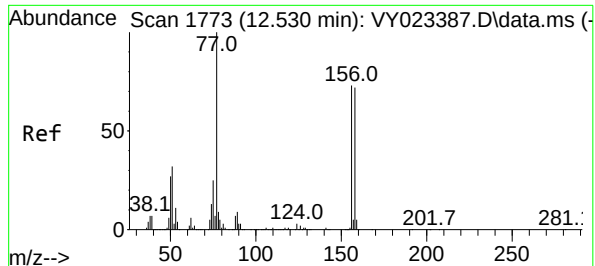
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 92.345 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

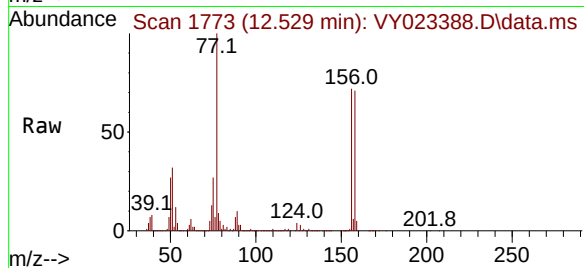
Tgt Ion: 75 Resp: 364622
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 102.545 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

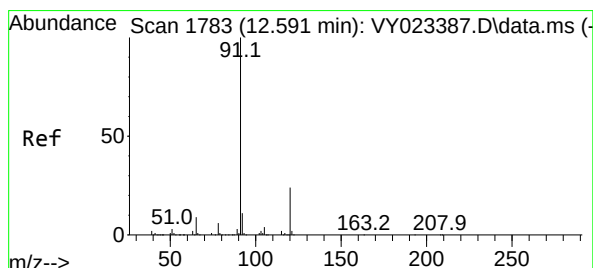
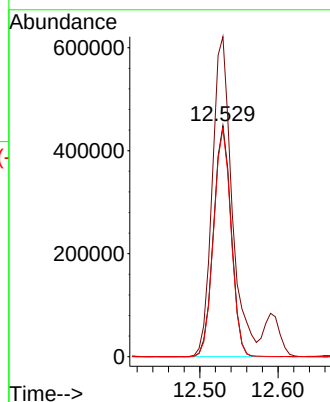
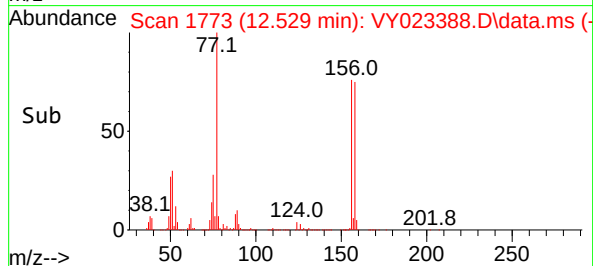
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 70174
Ion Ratio Lower Upper
156 100
77 154.5 76.8 230.5
158 98.1 49.0 147.2

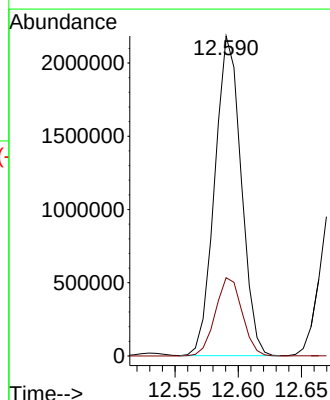
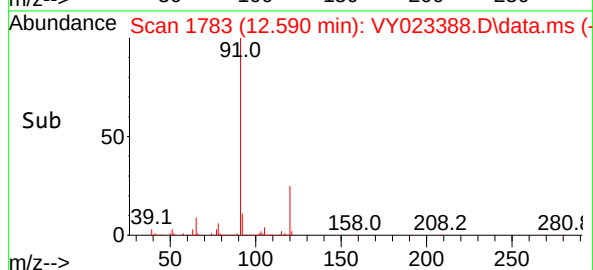
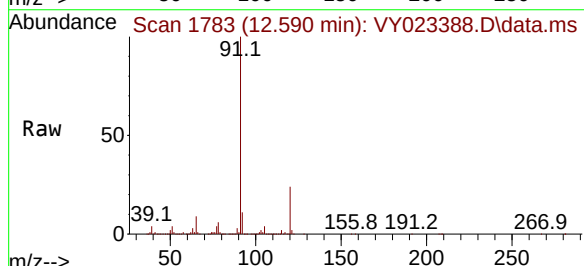
Manual Integrations
APPROVED

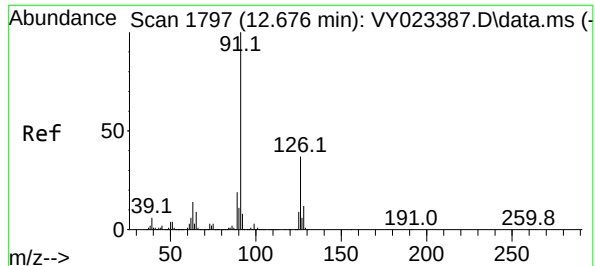
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 100.958 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 3165894
Ion Ratio Lower Upper
91 100
120 24.8 12.3 36.8





#79

2-Chlorotoluene

Concen: 99.426 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1800124

Ion Ratio Lower Upper

91 100

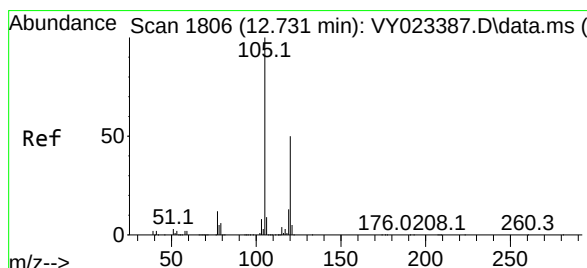
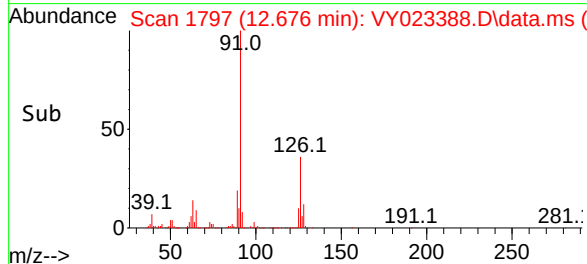
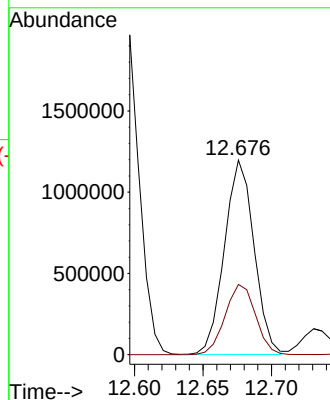
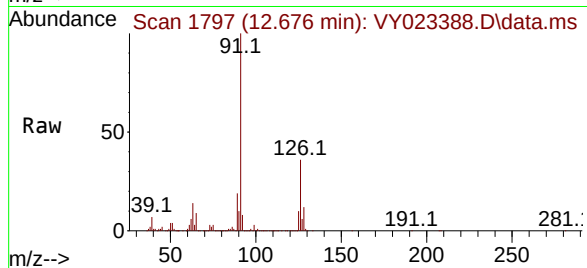
126 37.2 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 102.374 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VY023388.D

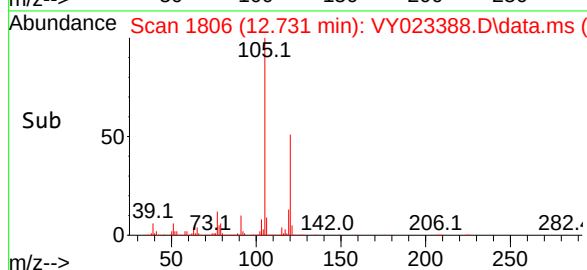
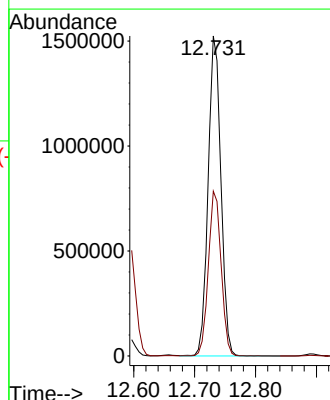
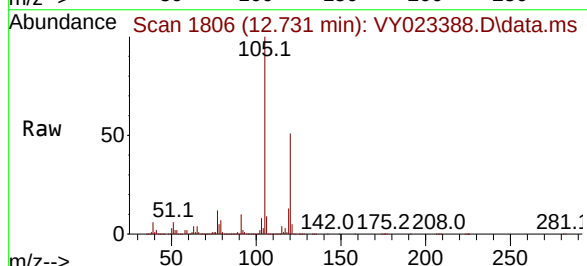
Acq: 07 Oct 2025 12:09

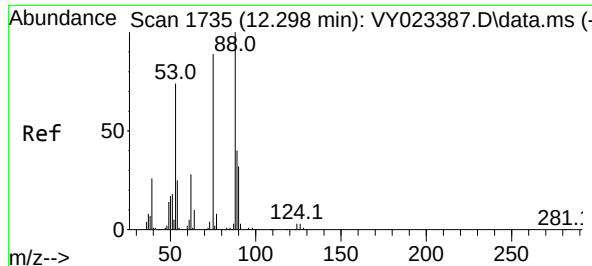
Tgt Ion:105 Resp: 2219080

Ion Ratio Lower Upper

105 100

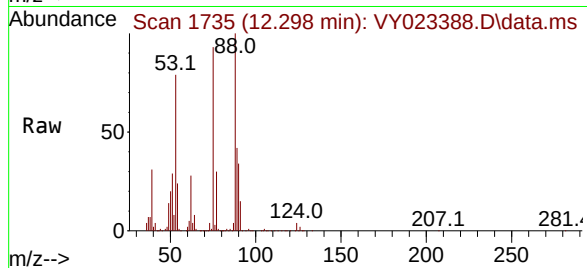
120 51.6 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 101.273 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

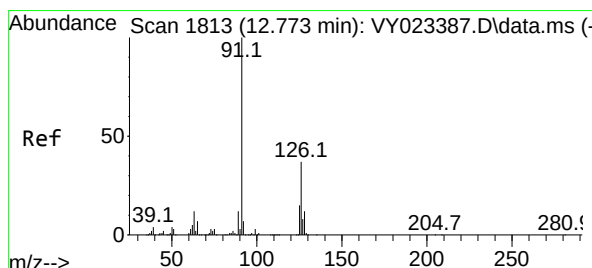
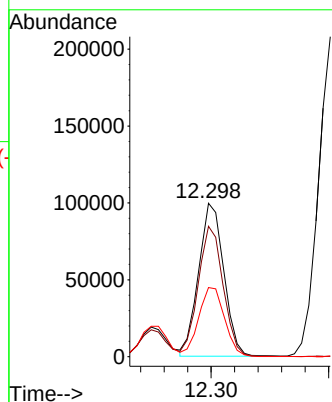
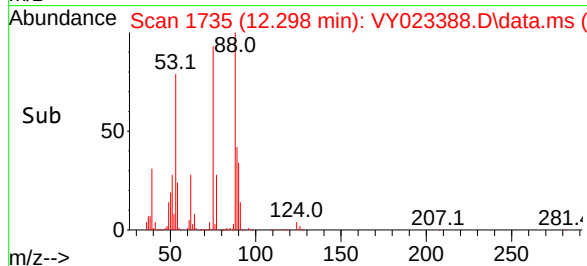
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 148302
Ion Ratio Lower Upper
75 100
53 84.5 68.6 102.8
89 46.6 39.0 58.4

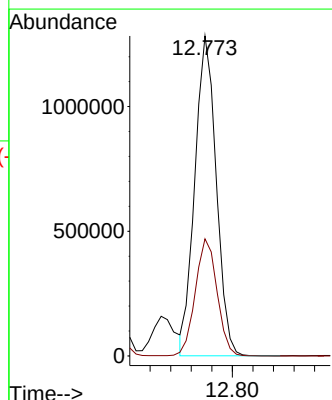
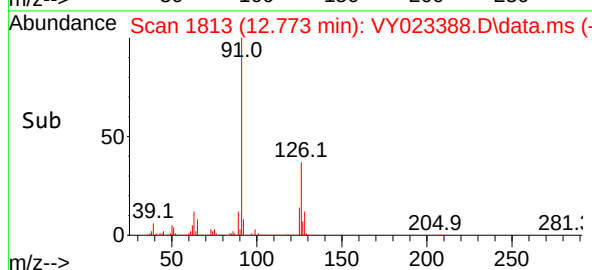
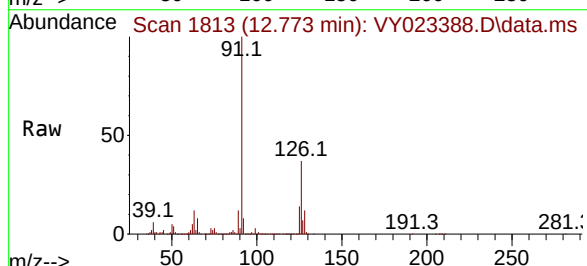
Manual Integrations
APPROVED

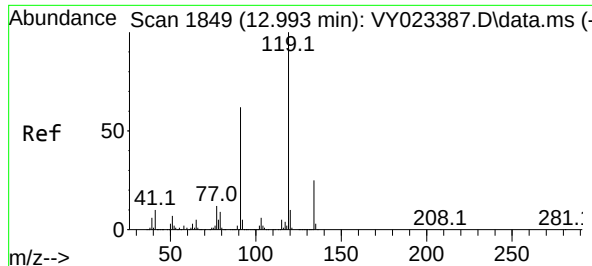
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 98.060 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 1854165
Ion Ratio Lower Upper
91 100
126 37.4 18.4 55.4





#83

tert-Butylbenzene

Concen: 102.684 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 2028198

Ion Ratio Lower Upper

119 100

91 61.9 29.9 89.8

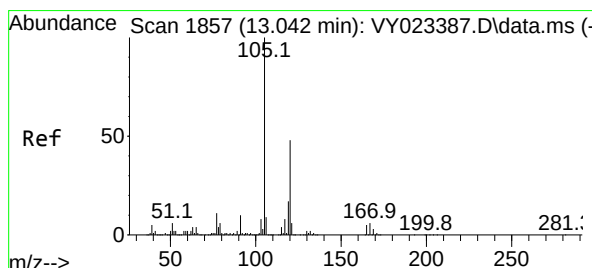
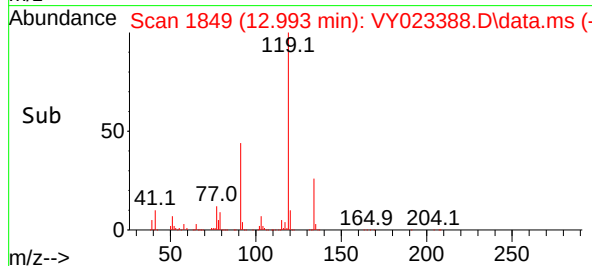
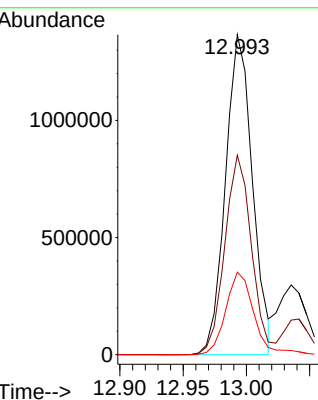
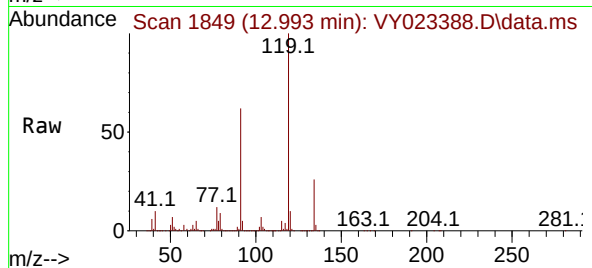
134 26.9 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 103.853 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023388.D

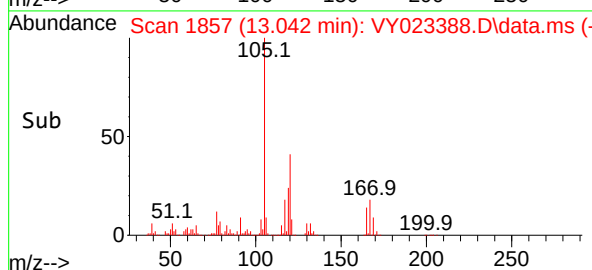
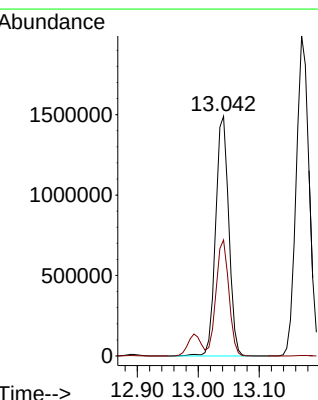
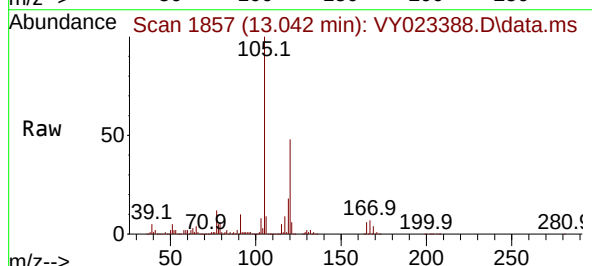
Acq: 07 Oct 2025 12:09

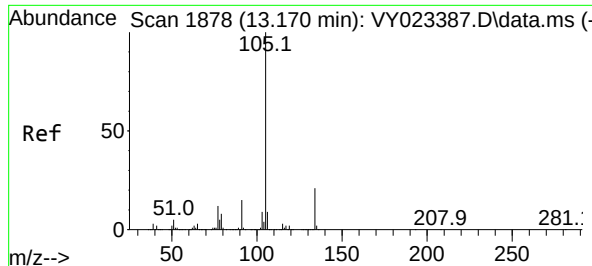
Tgt Ion:105 Resp: 2227197

Ion Ratio Lower Upper

105 100

120 47.4 23.8 71.2





#85

sec-Butylbenzene

Concen: 102.530 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 2932949

Ion Ratio Lower Upper

105 100

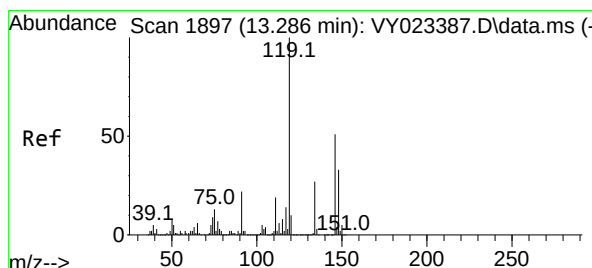
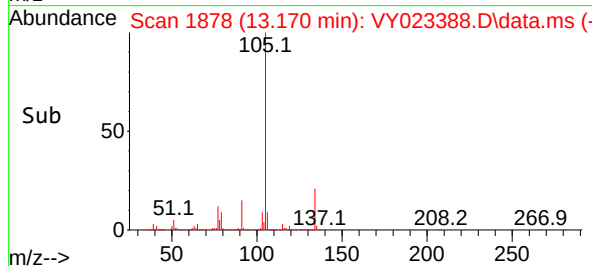
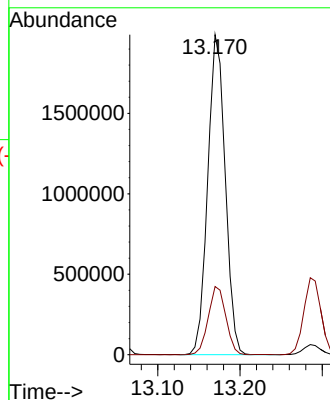
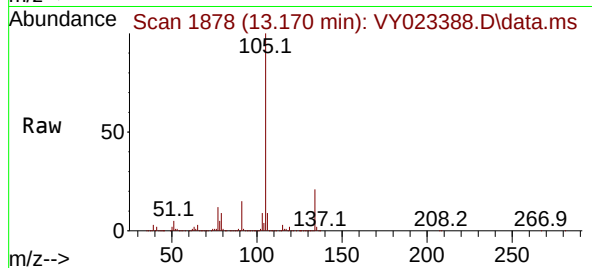
134 21.5 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 105.408 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

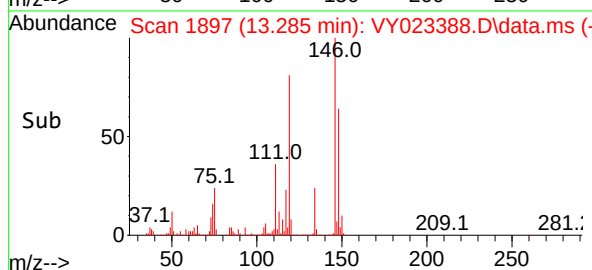
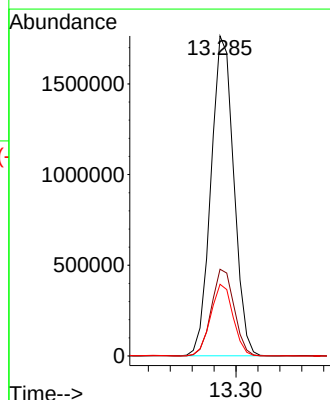
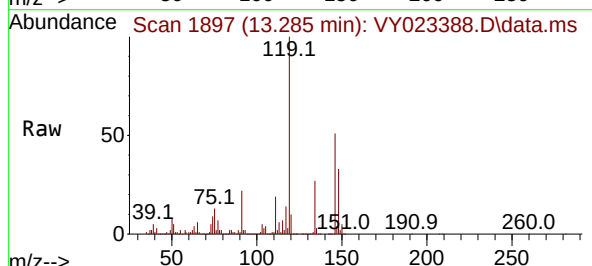
Tgt Ion:119 Resp: 2548220

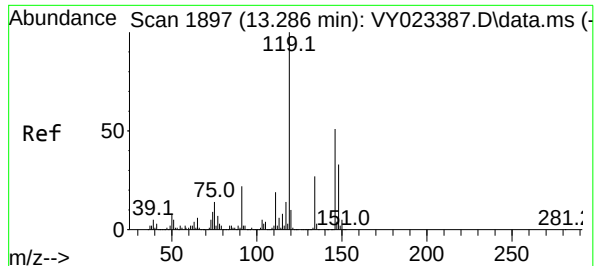
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 22.1 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 100.735 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 1361710

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

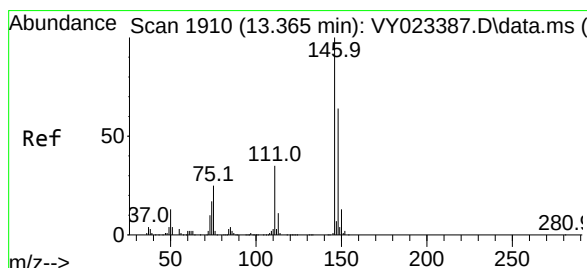
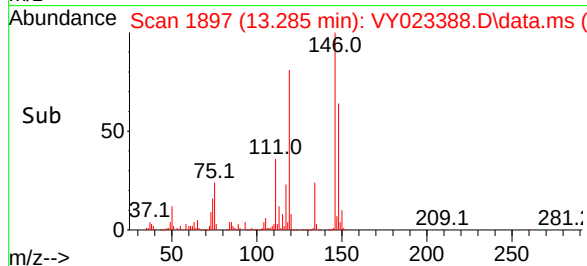
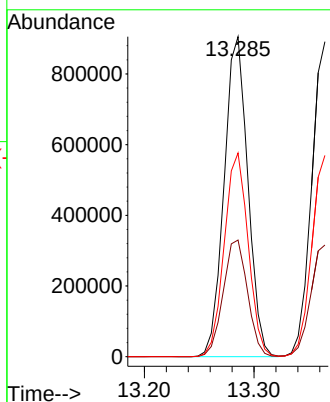
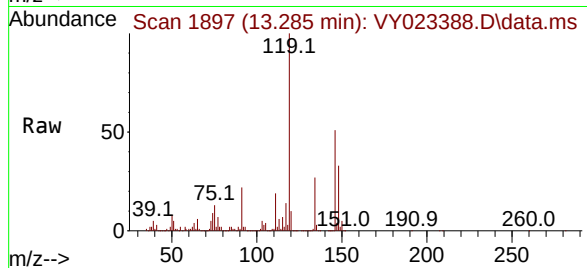
148 64.1 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 98.734 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

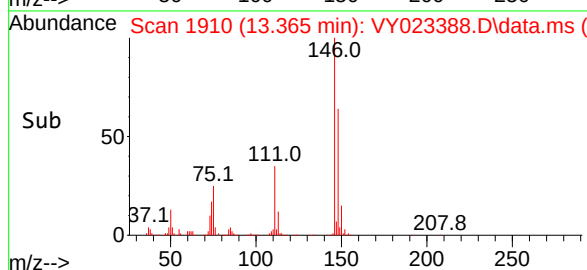
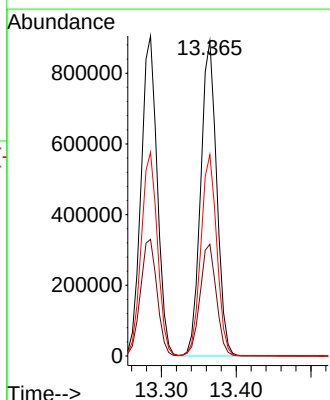
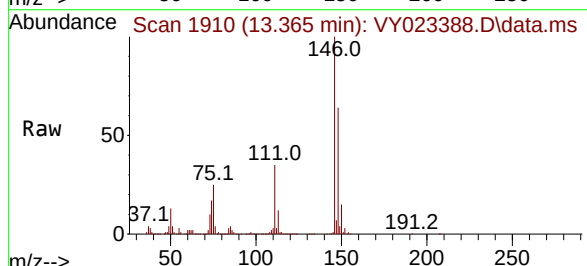
Tgt Ion:146 Resp: 1323618

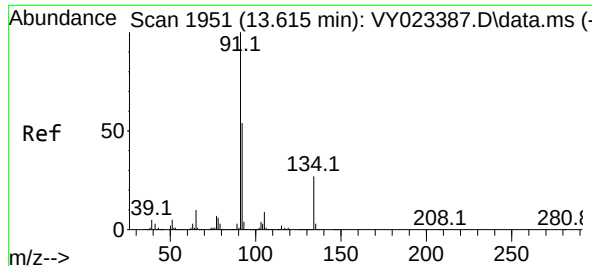
Ion Ratio Lower Upper

146 100

111 36.0 18.0 54.0

148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 104.174 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 222374

Ion Ratio Lower Upper

91 100

92 54.2 27.0 80.8

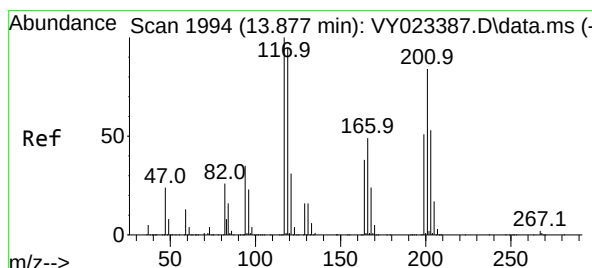
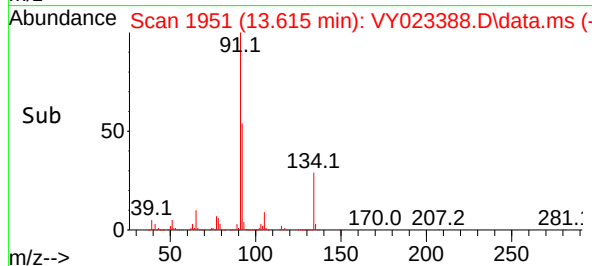
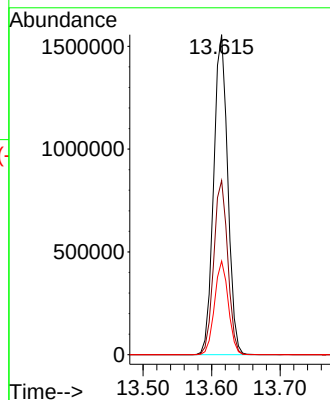
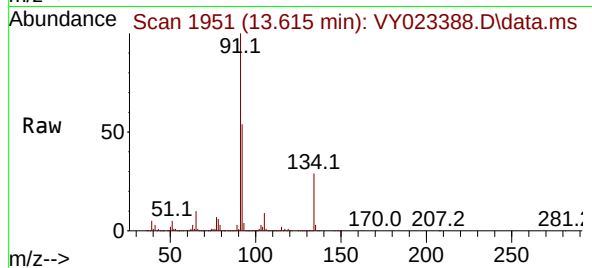
134 28.6 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 98.069 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023388.D

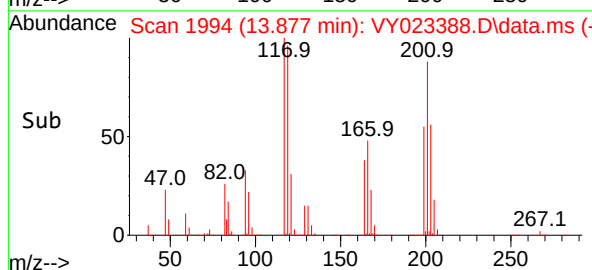
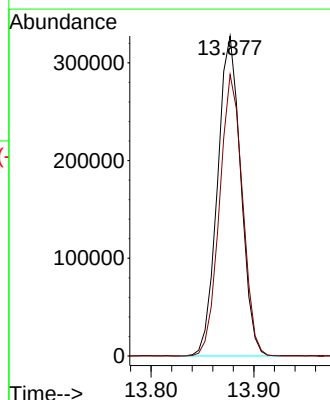
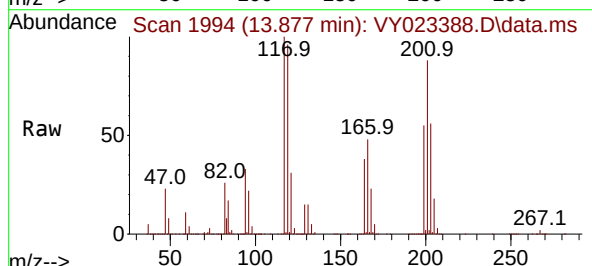
Acq: 07 Oct 2025 12:09

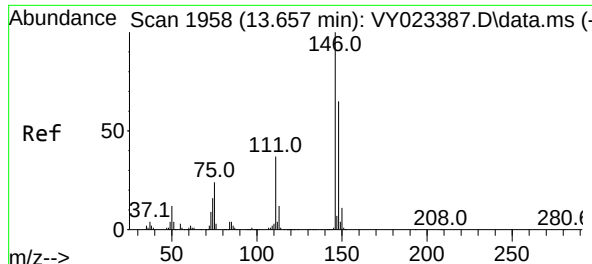
Tgt Ion:117 Resp: 514746

Ion Ratio Lower Upper

117 100

201 86.8 43.8 131.4





#91

1,2-Dichlorobenzene

Concen: 101.146 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 119304

Ion Ratio Lower Upper

146 100

111 38.3 19.0 57.0

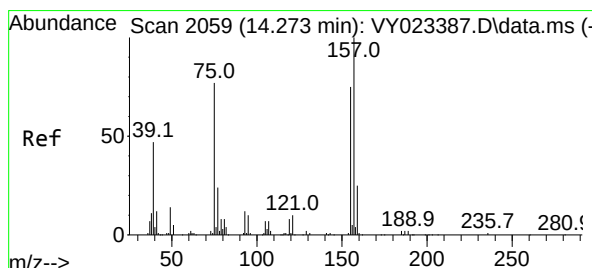
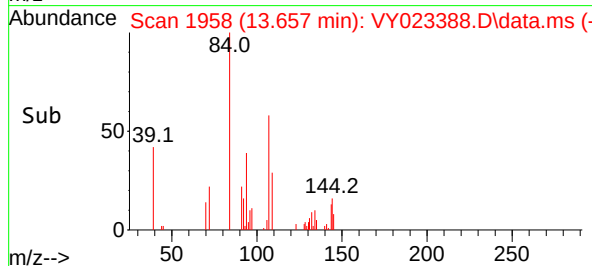
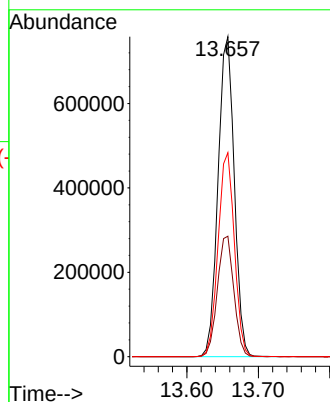
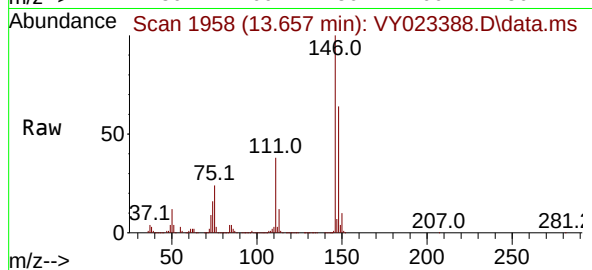
148 64.1 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 99.458 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

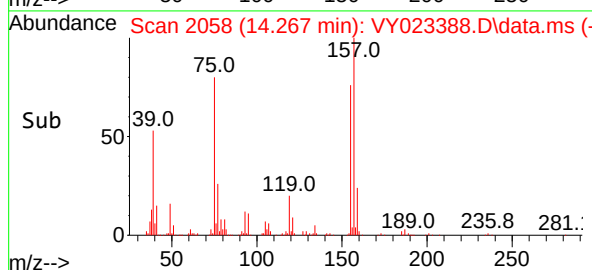
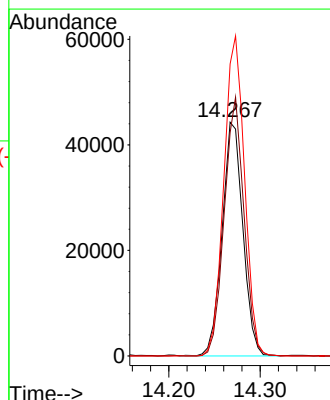
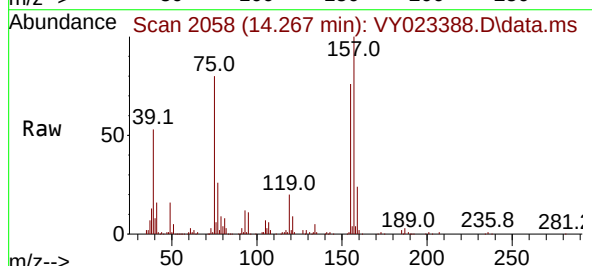
Tgt Ion: 75 Resp: 70107

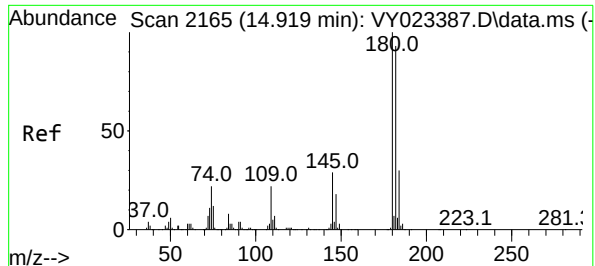
Ion Ratio Lower Upper

75 100

155 105.2 50.0 150.0

157 135.9 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 116.031 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 806328

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.6

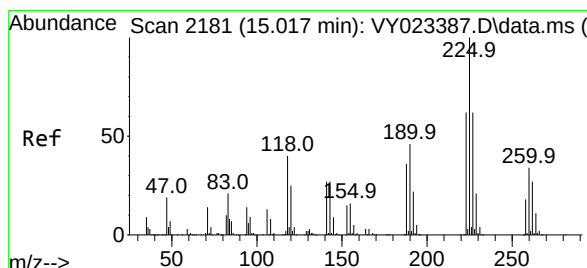
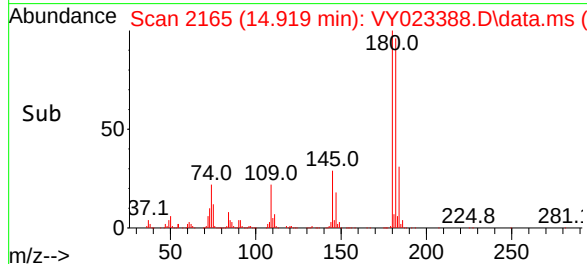
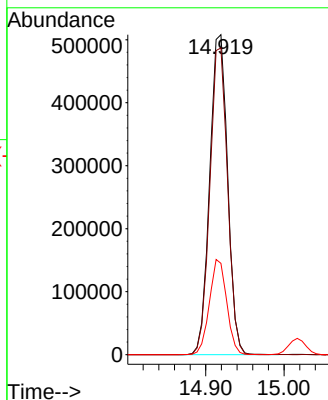
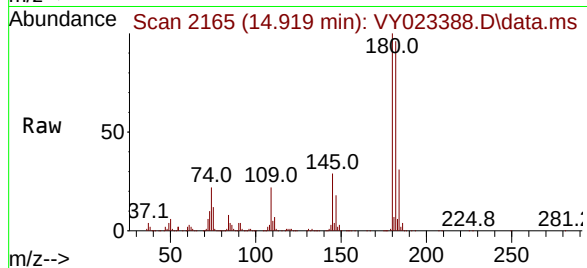
145 28.7 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 108.557 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY023388.D

Acq: 07 Oct 2025 12:09

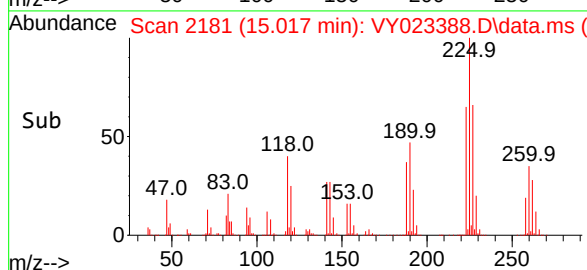
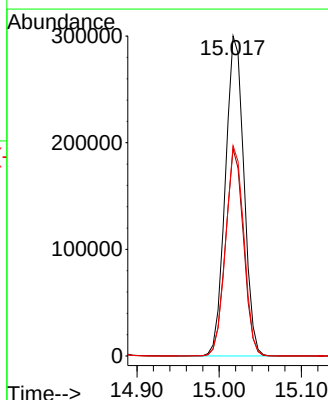
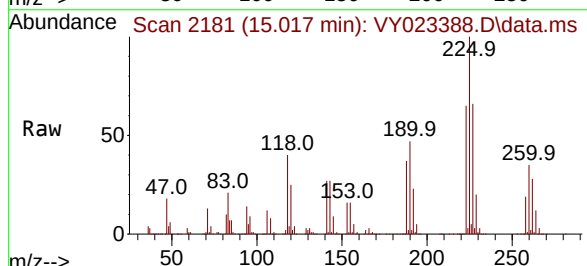
Tgt Ion:225 Resp: 470072

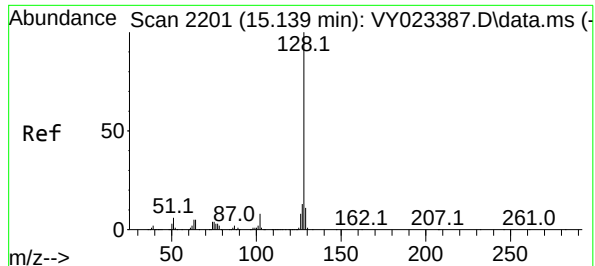
Ion Ratio Lower Upper

225 100

223 62.9 30.8 92.3

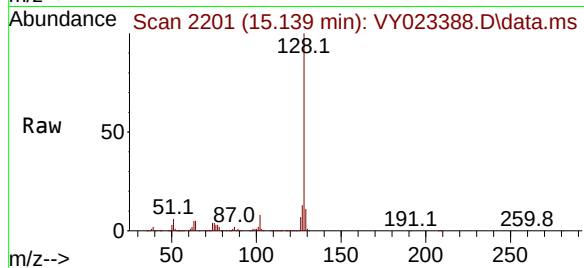
227 64.6 31.9 95.7





#95
Naphthalene
Concen: 124.485 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

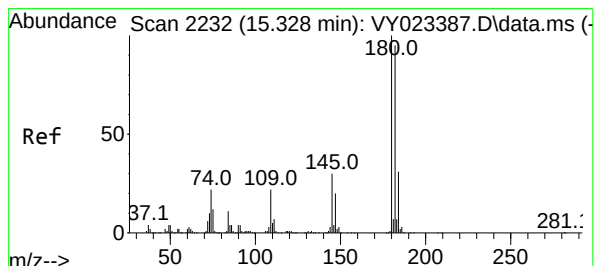
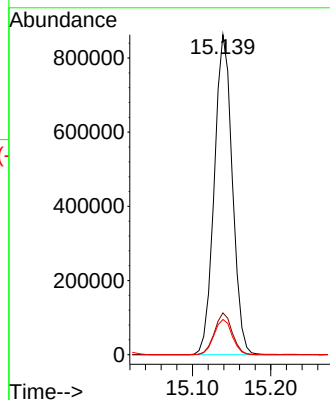
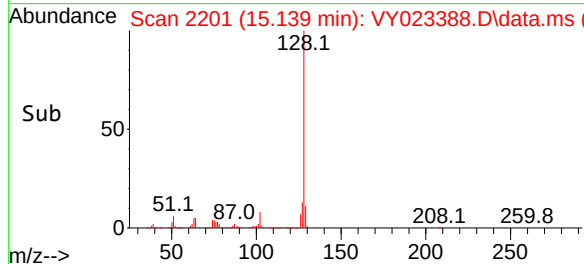
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



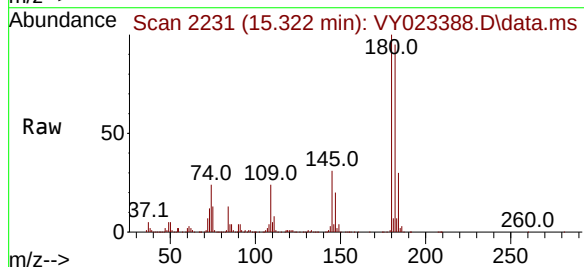
Tgt Ion:128 Resp: 137829
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.1 8.9 13.3

Manual Integrations
APPROVED

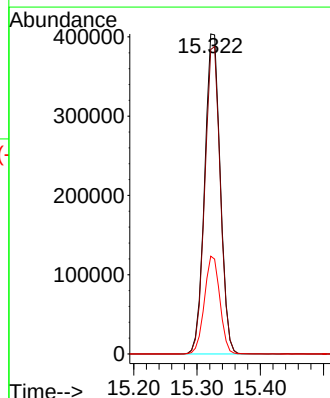
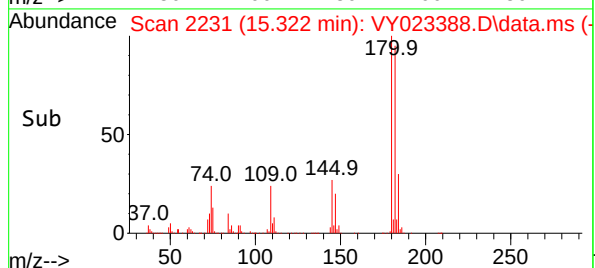
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 115.034 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09



Tgt Ion:180 Resp: 693477
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.8
145 30.3 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023389.D
 Acq On : 07 Oct 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 08 04:45:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	588489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	765357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	402368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	714730	140.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.480%#			
35) Dibromofluoromethane	7.634	113	778632	149.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 299.960%#			
50) Toluene-d8	10.103	98	2912319	148.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.480%#			
62) 4-Bromofluorobenzene	12.402	95	990964	160.423	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 320.840%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	587619	126.766	ug/l	97
3) Chloromethane	2.068	50	825167	125.233	ug/l	100
4) Vinyl Chloride	2.208	62	1118134	134.387	ug/l	100
5) Bromomethane	2.580	94	915389	134.118	ug/l	98
6) Chloroethane	2.726	64	756912	133.994	ug/l	99
7) Trichlorofluoromethane	3.050	101	1549160	144.948	ug/l	100
8) Diethyl Ether	3.452	74	418615	149.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	786278	137.639	ug/l	99
10) Methyl Iodide	4.007	142	992925	150.409	ug/l	99
11) Tert butyl alcohol	4.866	59	288878	963.279	ug/l	99
12) 1,1-Dichloroethene	3.787	96	781235	142.133	ug/l	97
13) Acrolein	3.653	56	423418	833.323	ug/l	100
14) Allyl chloride	4.385	41	988378	143.628	ug/l	99
15) Acrylonitrile	5.055	53	841857	768.735	ug/l	99
16) Acetone	3.866	43	789668	689.040	ug/l	99
17) Carbon Disulfide	4.104	76	2199339	128.252	ug/l	100
18) Methyl Acetate	4.385	43	505344	173.497	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	2056533	159.802	ug/l	97
20) Methylene Chloride	4.616	84	835005	134.365	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	871380	142.549	ug/l	98
22) Diisopropyl ether	6.019	45	2218430	145.375	ug/l	99
23) Vinyl Acetate	5.958	43	6377047	760.246	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1398477	139.024	ug/l	98
25) 2-Butanone	6.890	43	1116343	788.091	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1281633	143.391	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1043574	150.505	ug/l	98
28) Bromochloromethane	7.244	49	482210	123.567	ug/l	99
29) Tetrahydrofuran	7.262	42	687719	817.972	ug/l	100
30) Chloroform	7.421	83	1542715	142.221	ug/l	99
31) Cyclohexane	7.701	56	1192778	134.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1405131	144.305	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1069665	146.031	ug/l	100
37) Ethyl Acetate	6.982	43	460027	158.853	ug/l	98
38) Carbon Tetrachloride	7.817	117	1290353	151.646	ug/l	99
39) Methylcyclohexane	9.109	83	1496612	159.580	ug/l	99
40) Benzene	8.079	78	3366812	147.442	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023389.D
 Acq On : 07 Oct 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025

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

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	246974	164.212	ug/l	98
42) 1,2-Dichloroethane	8.158	62	866250	149.063	ug/l	100
43) Isopropyl Acetate	8.195	43	946087	167.955	ug/l	100
44) Trichloroethene	8.866	130	966011	150.740	ug/l	99
45) 1,2-Dichloropropane	9.140	63	752286	146.403	ug/l	99
46) Dibromomethane	9.231	93	483702	153.895	ug/l	99
47) Bromodichloromethane	9.420	83	1202247	151.965	ug/l	98
48) Methyl methacrylate	9.219	41	463614	176.368	ug/l	100
49) 1,4-Dioxane	9.225	88	123991	3809.726	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	2516107	872.045	ug/l	100
52) Toluene	10.170	92	2272574	156.786	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	1123644	165.367	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1296713	159.654	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	652242	156.020	ug/l	96
56) Ethyl methacrylate	10.438	69	886127	184.048	ug/l	100
57) 1,3-Dichloropropane	10.713	76	1049593	155.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	2040136	968.559	ug/l	100
59) 2-Hexanone	10.755	43	1776032	889.038	ug/l	99
60) Dibromochloromethane	10.908	129	935577	164.084	ug/l	99
61) 1,2-Dibromoethane	11.012	107	639895	162.699	ug/l	99
64) Tetrachloroethene	10.646	164	1046931	136.739	ug/l	98
65) Chlorobenzene	11.438	112	2563176	154.117	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	923367	157.870	ug/l	99
67) Ethyl Benzene	11.518	91	4341801	159.957	ug/l	97
68) m/p-Xylenes	11.627	106	3502137	321.899	ug/l	99
69) o-Xylene	11.950	106	1694987	168.295	ug/l	98
70) Styrene	11.969	104	2830398	170.203	ug/l	99
71) Bromoform	12.127	173	602644	172.115	ug/l #	99
73) Isopropylbenzene	12.249	105	4290662	160.084	ug/l	100
74) N-amyl acetate	12.066	43	890882	177.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	737773	165.010	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	565754m	142.542	ug/l	
77) Bromobenzene	12.530	156	1111318	161.555	ug/l	100
78) n-propylbenzene	12.591	91	4932015	156.465	ug/l	99
79) 2-Chlorotoluene	12.676	91	2822049	155.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	3496249	160.460	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	245190	166.570	ug/l	98
82) 4-Chlorotoluene	12.773	91	2902371	152.701	ug/l	99
83) tert-Butylbenzene	12.993	119	3220384	162.197	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	3503639	162.527	ug/l	99
85) sec-Butylbenzene	13.170	105	4560715	158.609	ug/l	99
86) p-Isopropyltoluene	13.286	119	4024712	165.622	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	2165278	159.350	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	2090133	155.104	ug/l	100
89) n-Butylbenzene	13.615	91	3505715	163.379	ug/l	99
90) Hexachloroethane	13.877	117	799264	151.487	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1862691	157.101	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	116273	164.099	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	1272621	182.183	ug/l	100
94) Hexachlorobutadiene	15.017	225	711748	163.518	ug/l	98
95) Naphthalene	15.139	128	2277549	204.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	1110193	183.206	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

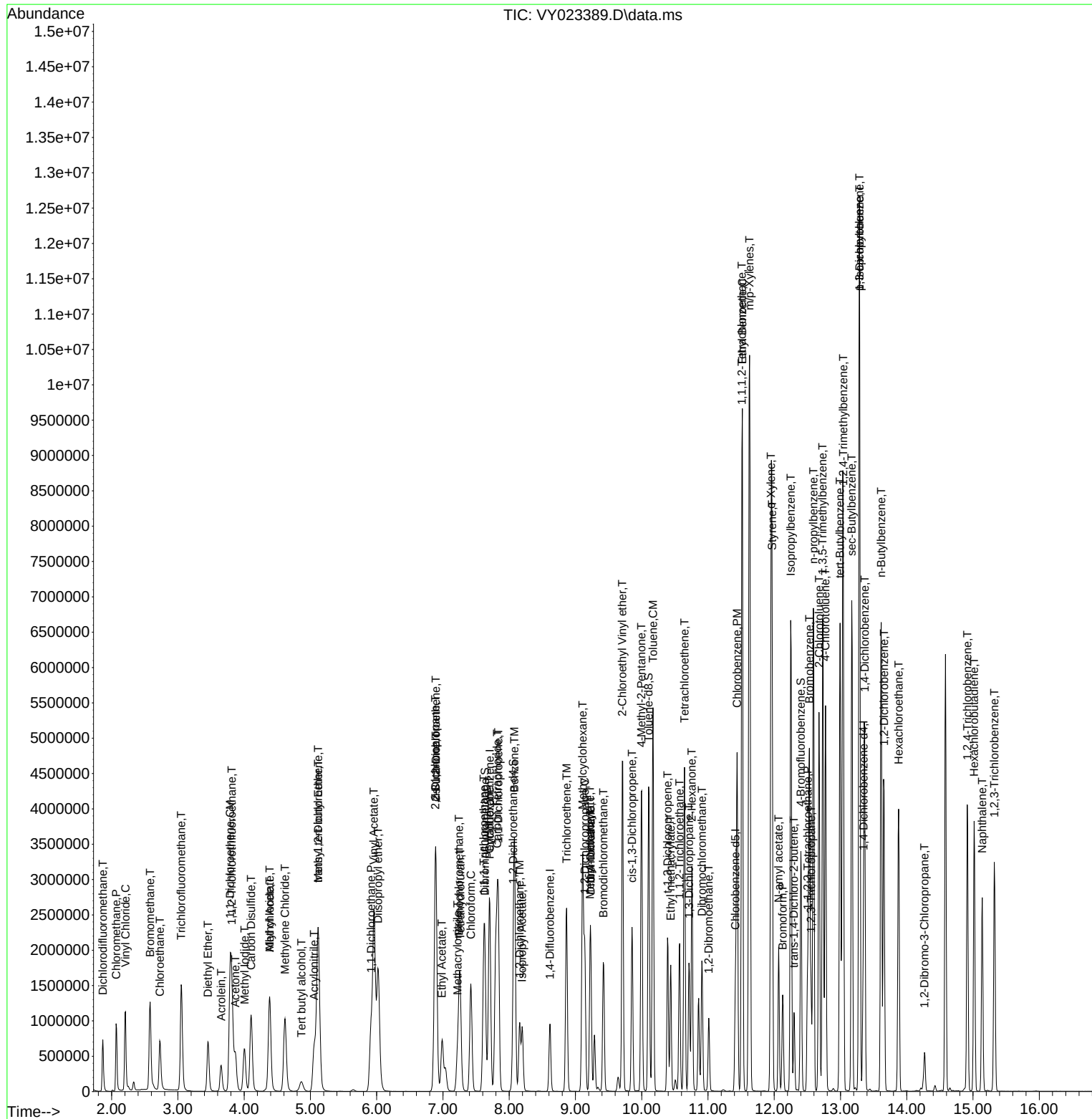
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

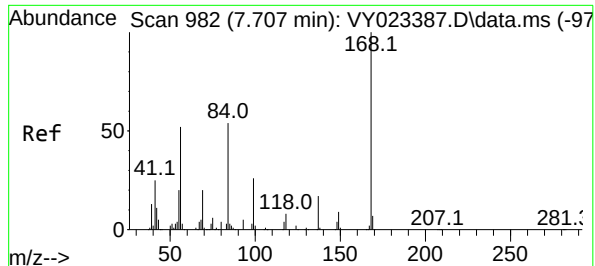
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations

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





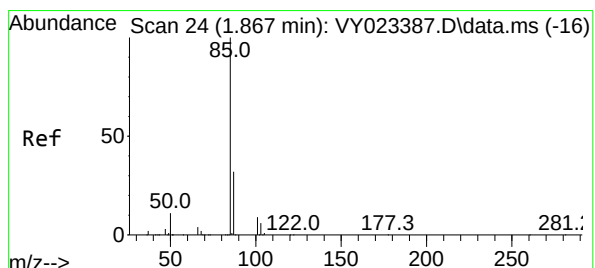
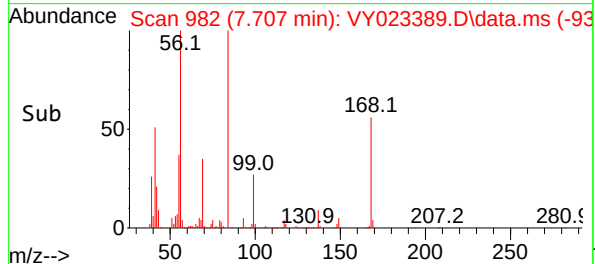
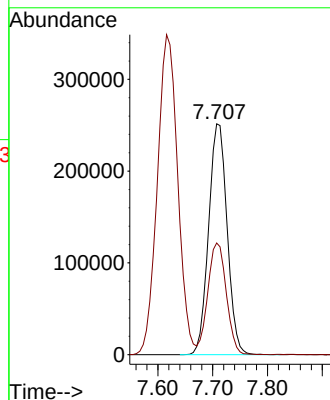
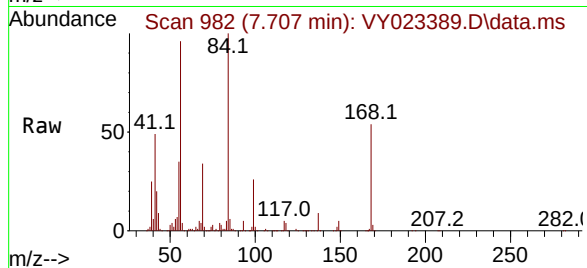
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 588489
Ion Ratio Lower Upper
168 100
99 48.3 39.7 59.5

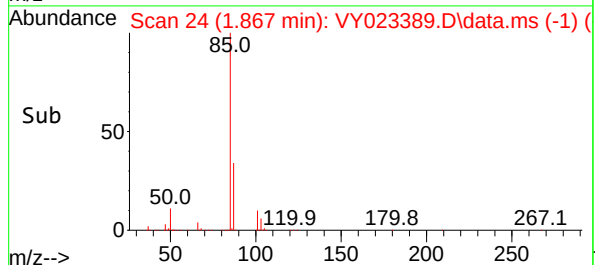
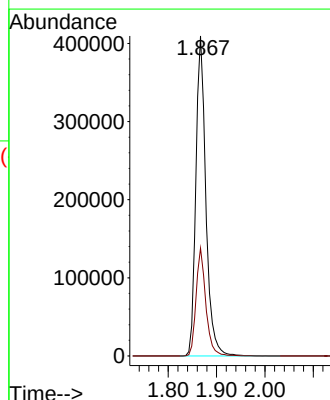
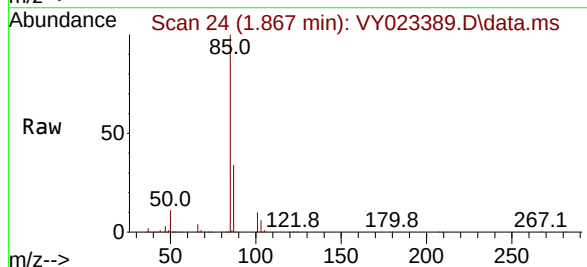
Manual Integrations
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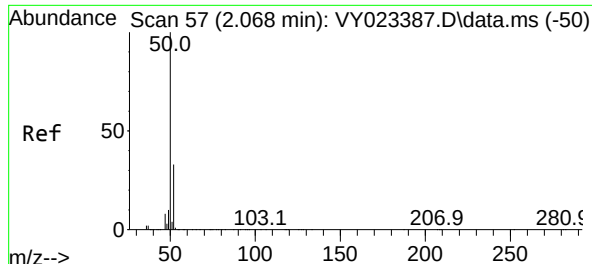
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 126.766 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 85 Resp: 587619
Ion Ratio Lower Upper
85 100
87 33.7 16.0 47.9





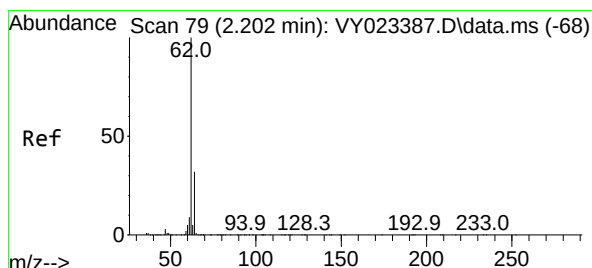
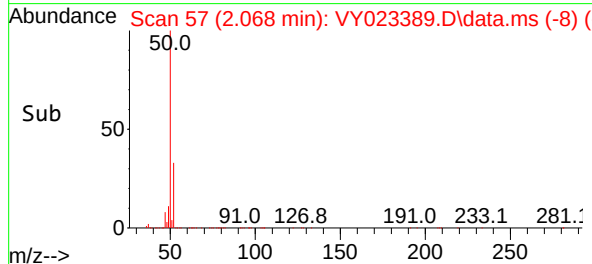
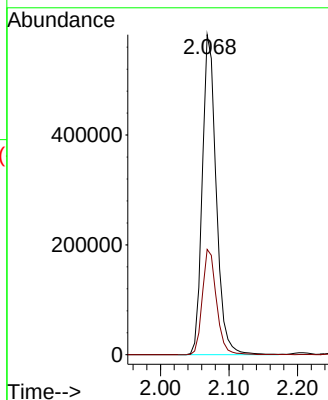
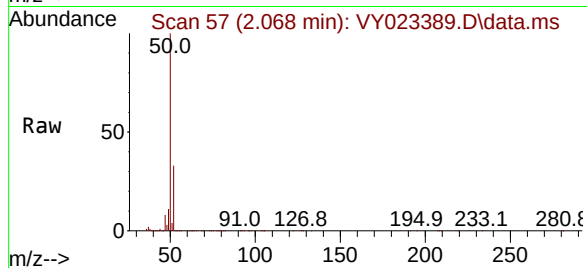
#3
Chloromethane
Concen: 125.233 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 82516
Ion Ratio Lower Upper
50 100
52 32.9 26.2 39.2

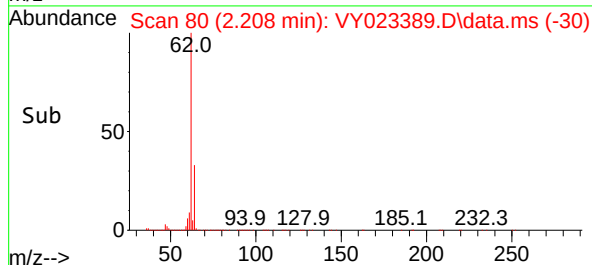
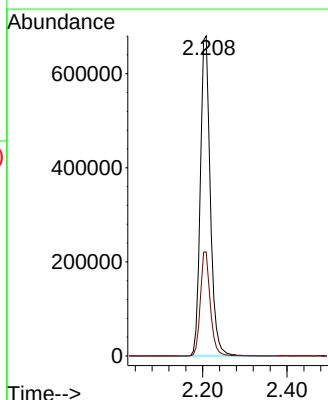
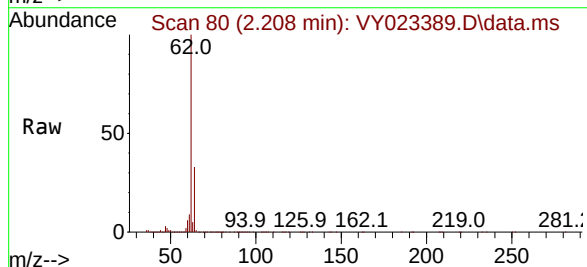
Manual Integrations
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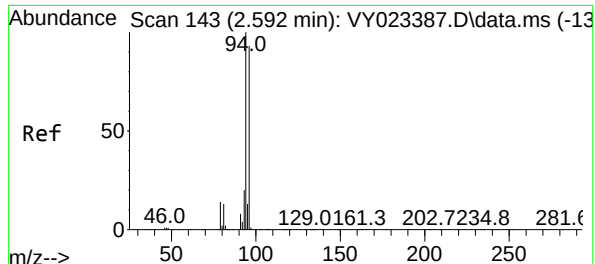
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 134.387 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 1118134
Ion Ratio Lower Upper
62 100
64 32.5 25.8 38.8





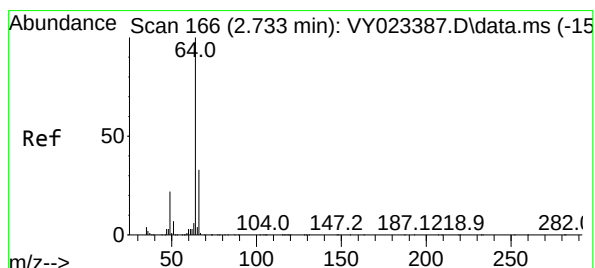
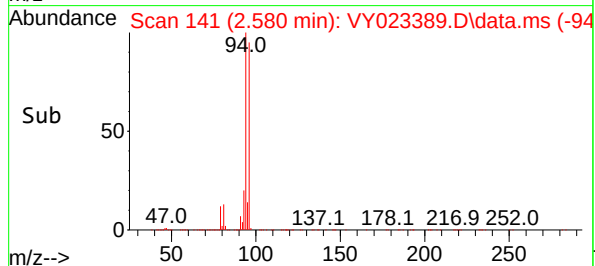
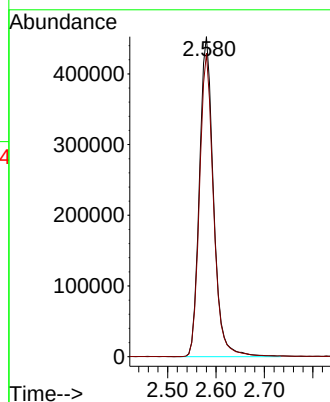
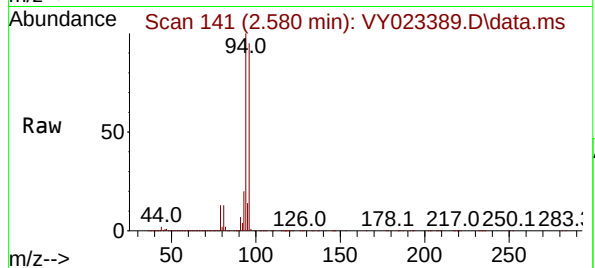
#5
Bromomethane
Concen: 134.118 ug/l
RT: 2.580 min Scan# 141
Delta R.T. -0.012 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 915389
Ion Ratio Lower Upper
94 100
96 94.8 74.5 111.7

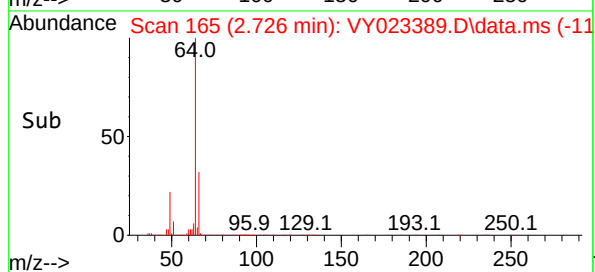
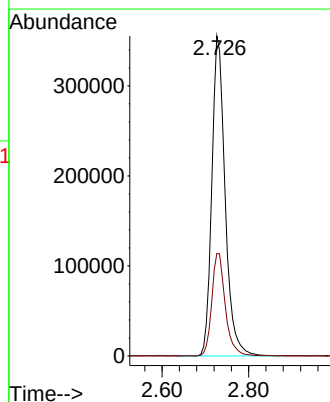
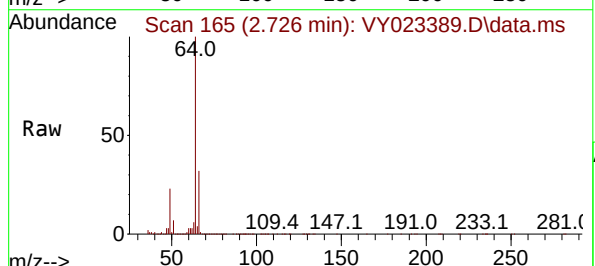
Manual Integrations
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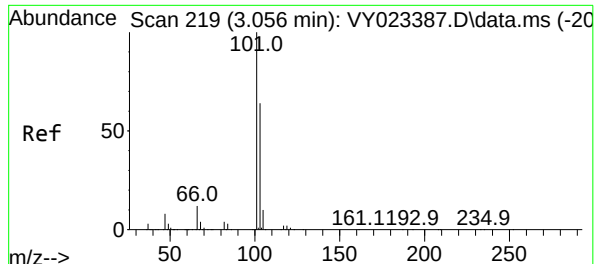
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 133.994 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 64 Resp: 756912
Ion Ratio Lower Upper
64 100
66 32.0 26.2 39.4





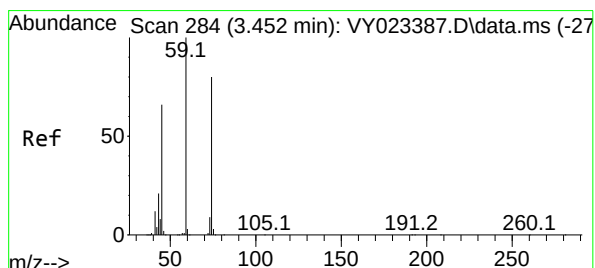
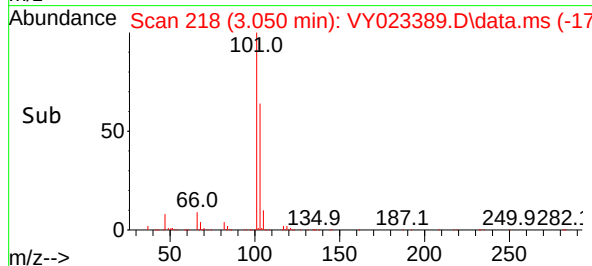
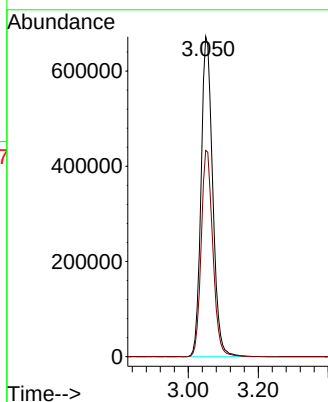
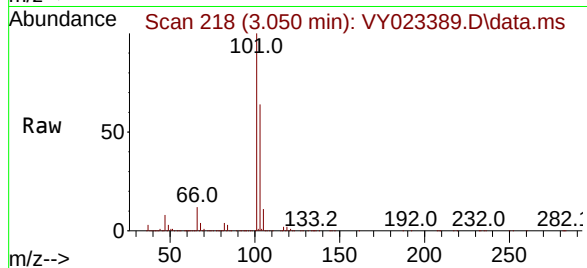
#7
Trichlorofluoromethane
Concen: 144.948 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 1549160
Ion Ratio Lower Upper
101 100
103 64.4 51.3 76.9

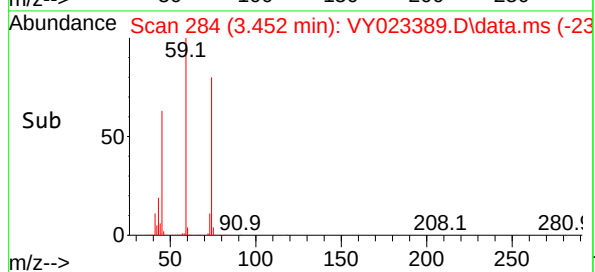
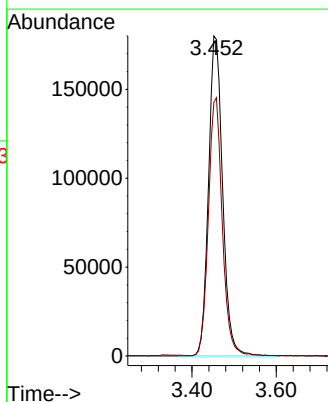
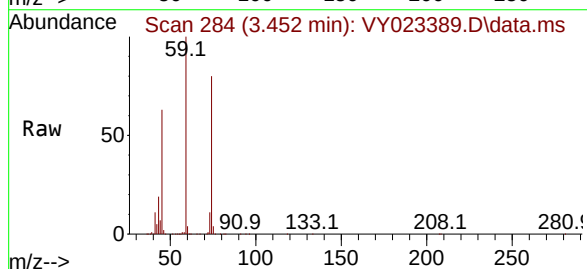
Manual Integrations
APPROVED

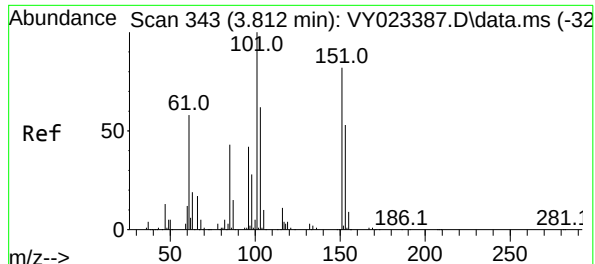
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Diethyl Ether
Concen: 149.747 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 74 Resp: 418615
Ion Ratio Lower Upper
74 100
45 79.7 39.9 119.7





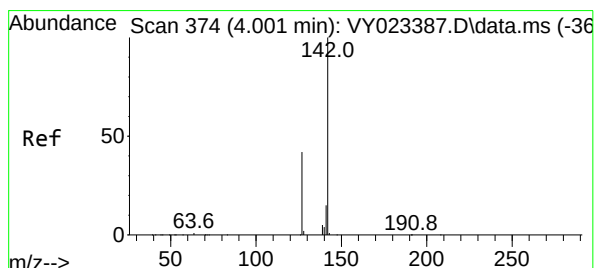
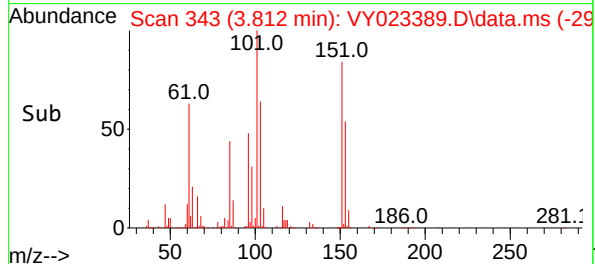
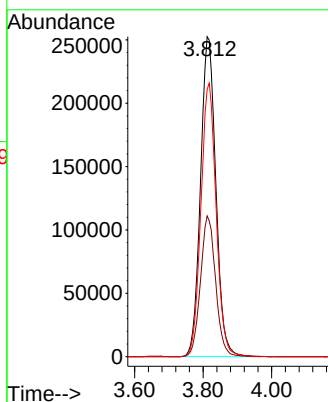
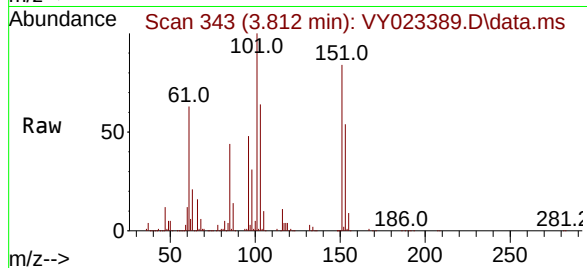
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.639 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 786278
Ion Ratio Lower Upper
101 100
85 43.5 34.6 51.8
151 85.2 67.0 100.6

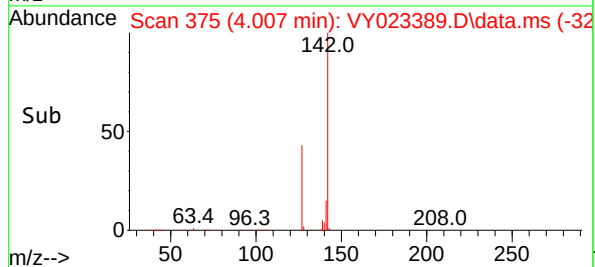
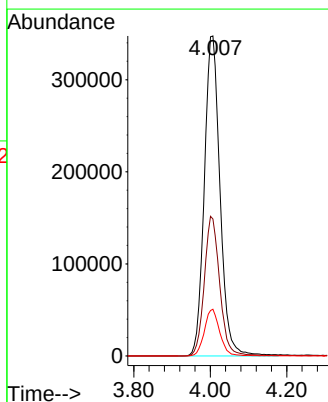
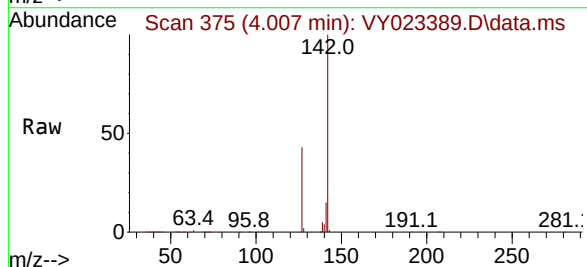
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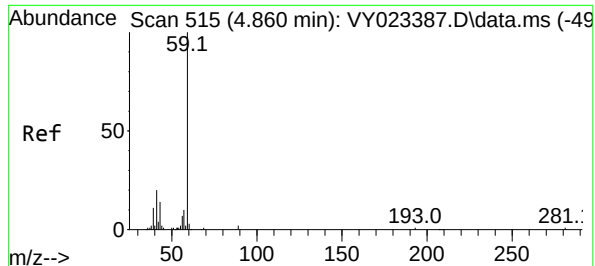
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
Methyl Iodide
Concen: 150.409 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:142 Resp: 992925
Ion Ratio Lower Upper
142 100
127 42.8 34.8 52.2
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 963.279 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 288878

Ion Ratio Lower Upper

59 100

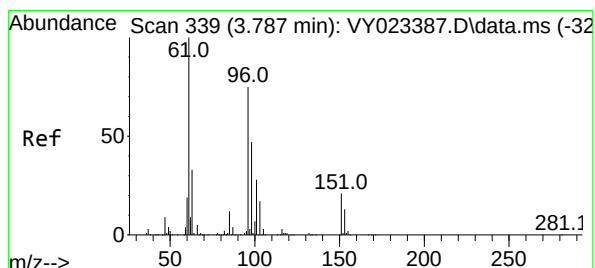
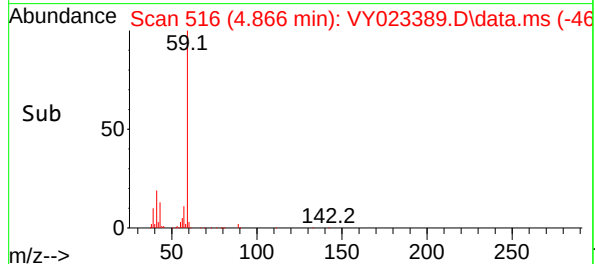
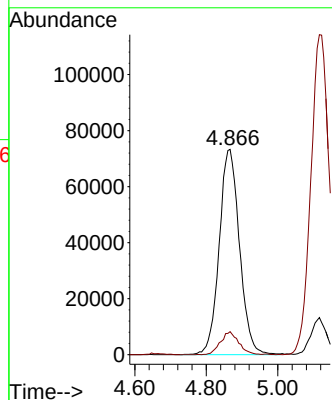
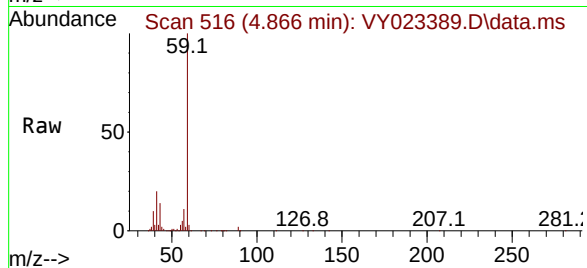
57 10.1 8.3 12.5

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 142.133 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

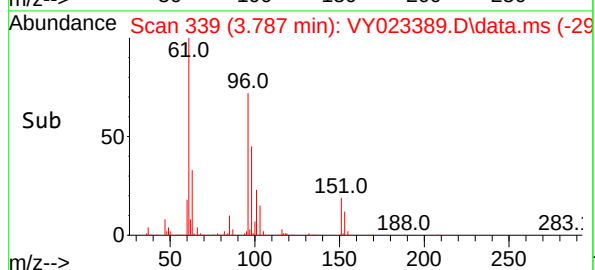
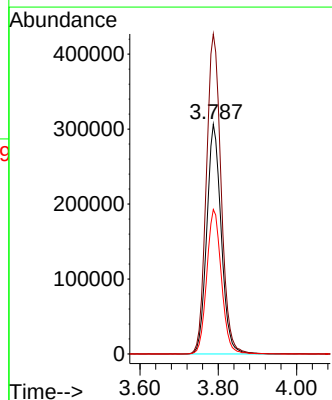
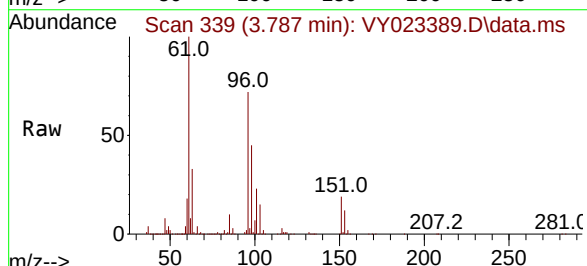
Tgt Ion: 96 Resp: 781235

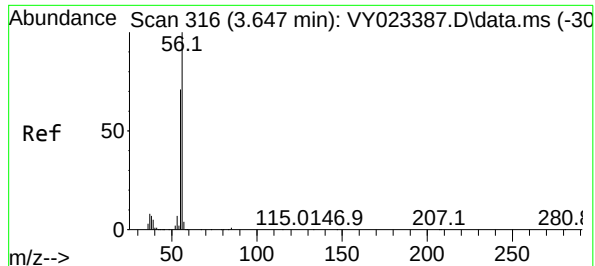
Ion Ratio Lower Upper

96 100

61 139.3 106.7 160.1

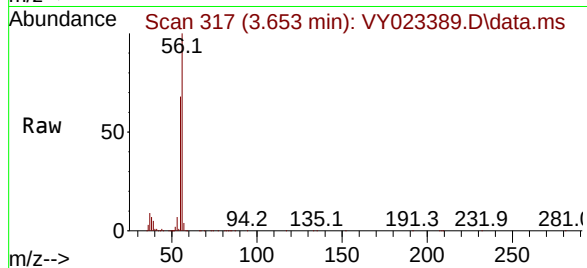
98 62.9 50.2 75.4





#13
Acrolein
Concen: 833.323 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

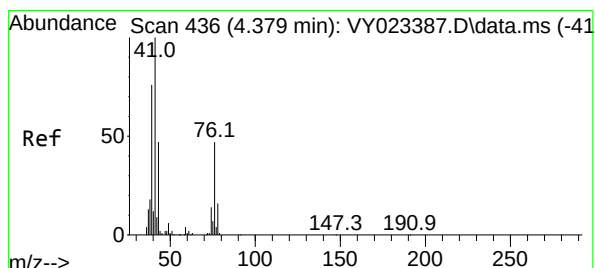
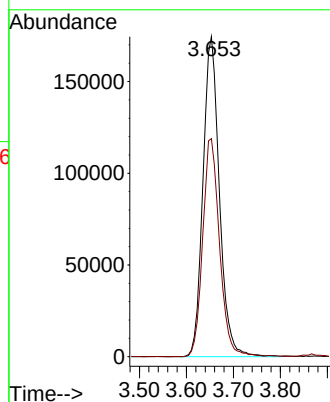
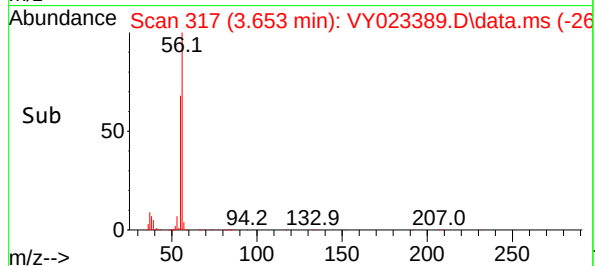
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 56 Resp: 423418
Ion Ratio Lower Upper
56 100
55 69.7 56.1 84.1

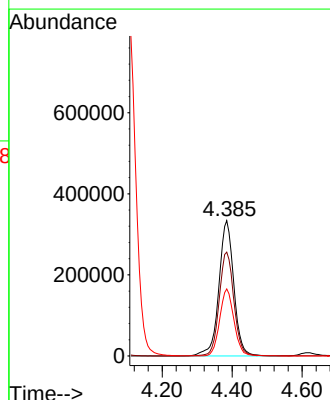
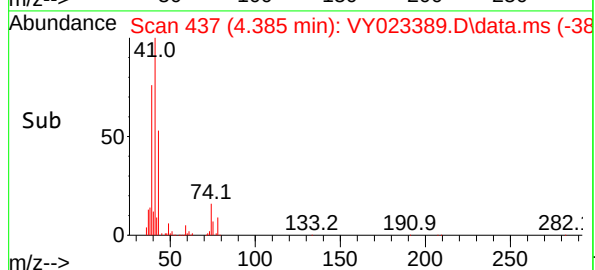
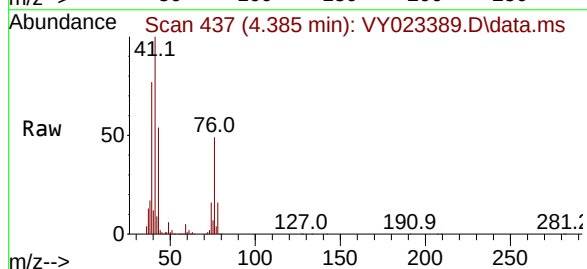
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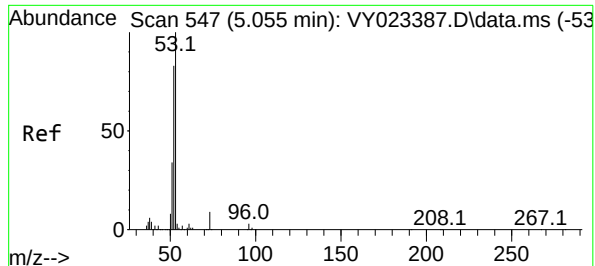
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#14
Allyl chloride
Concen: 143.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 988378
Ion Ratio Lower Upper
41 100
39 75.6 59.9 89.9
76 47.2 38.0 57.0





#15

Acrylonitrile

Concen: 768.735 ug/l

RT: 5.055 min Scan# 547

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

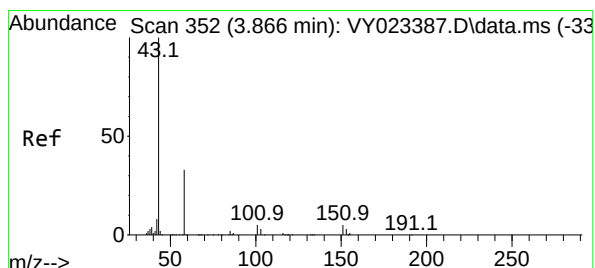
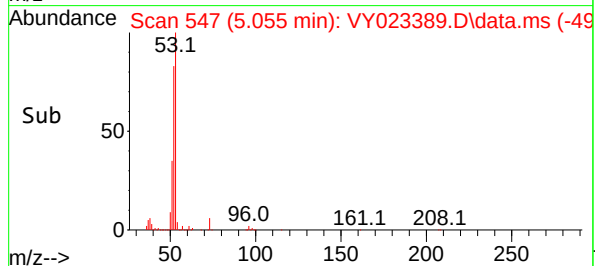
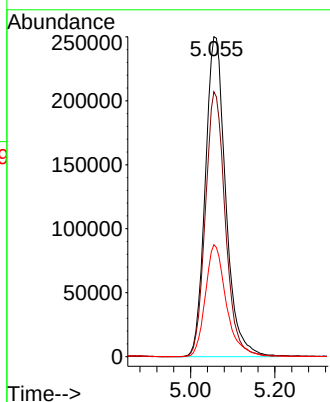
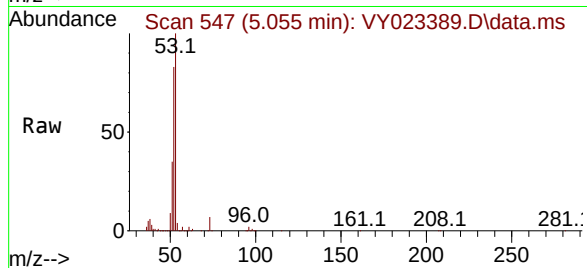
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	84185
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.6	97.0
51	36.0	29.5	44.3

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



#16

Acetone

Concen: 689.040 ug/l

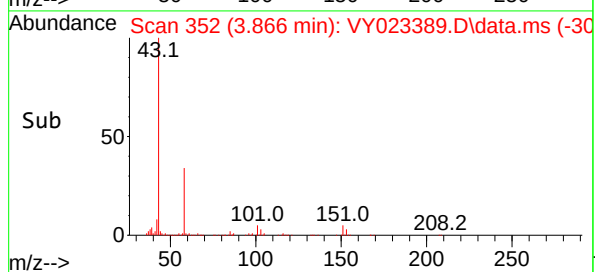
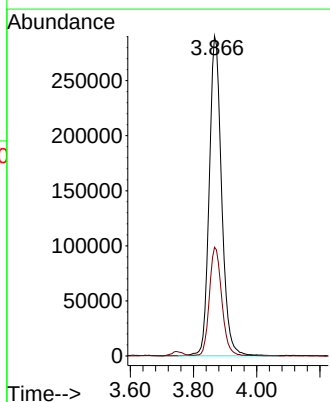
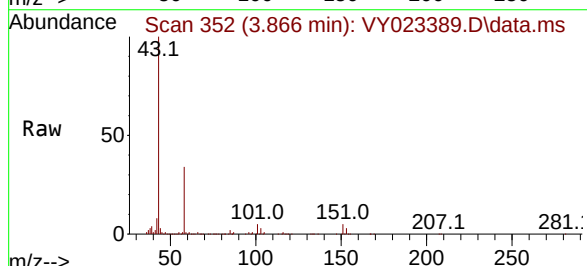
RT: 3.866 min Scan# 352

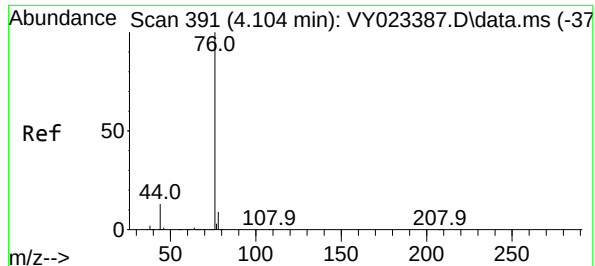
Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

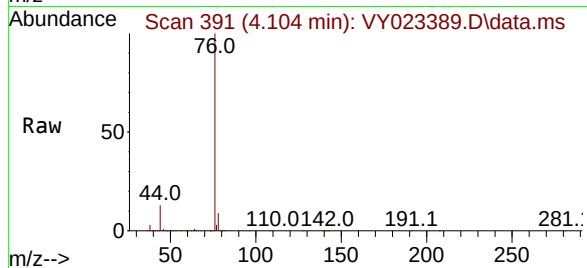
Tgt Ion:	43	Resp:	789668
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.7	41.5





#17
Carbon Disulfide
Concen: 128.252 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

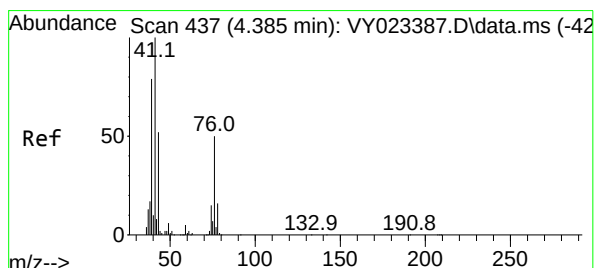
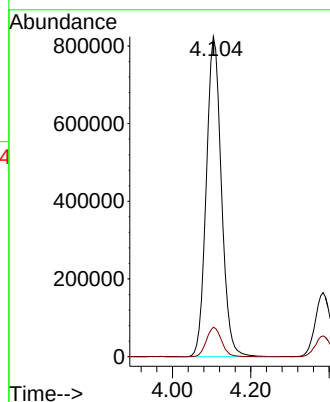
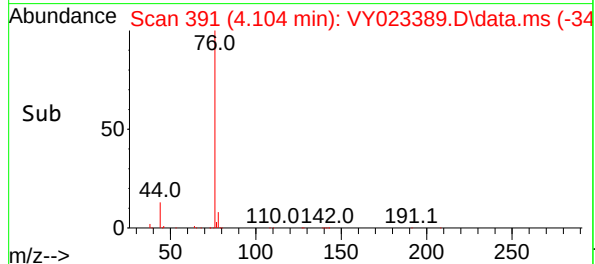
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 2199339
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

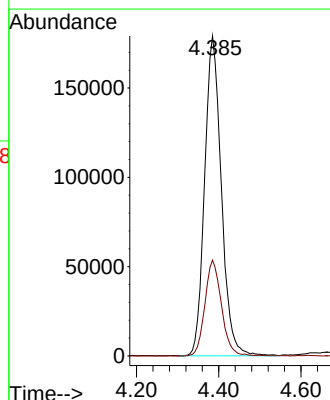
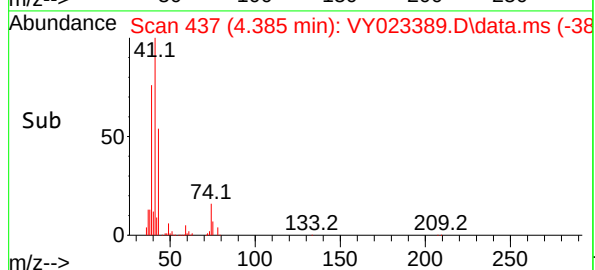
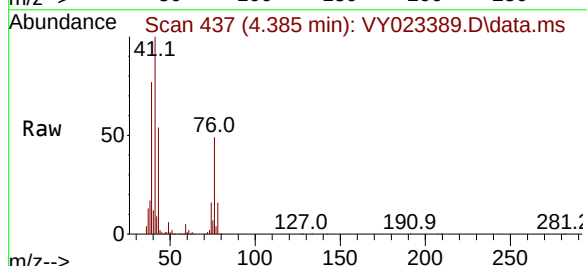
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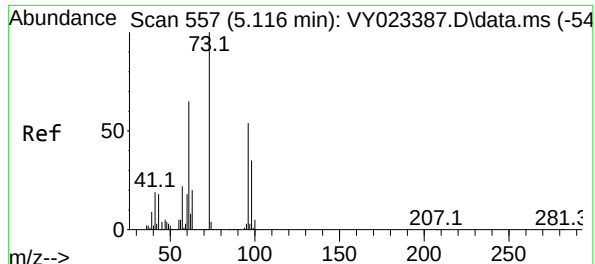
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#18
Methyl Acetate
Concen: 173.497 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 505344
Ion Ratio Lower Upper
43 100
74 29.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 159.802 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 205653

Ion Ratio Lower Upper

73 100

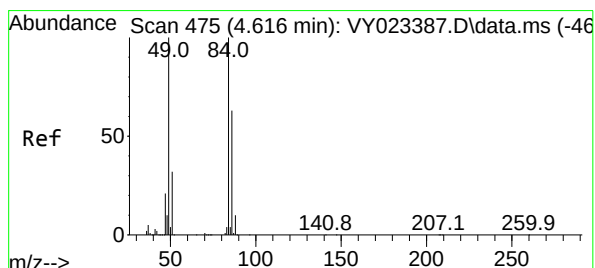
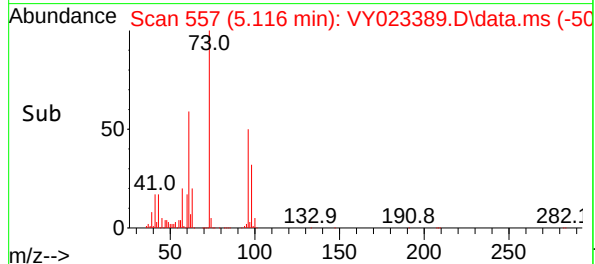
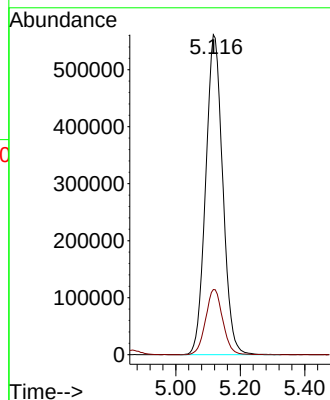
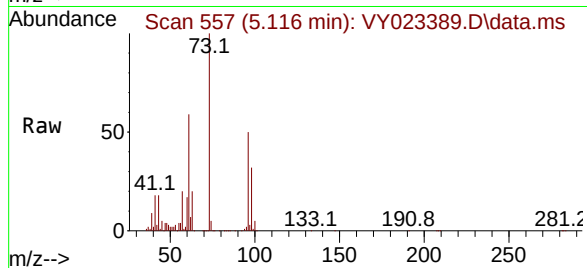
57 20.3 17.4 26.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 134.365 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion: 84 Resp: 835005

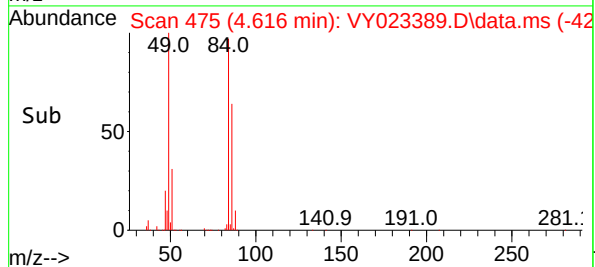
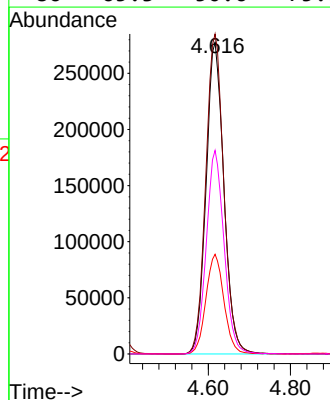
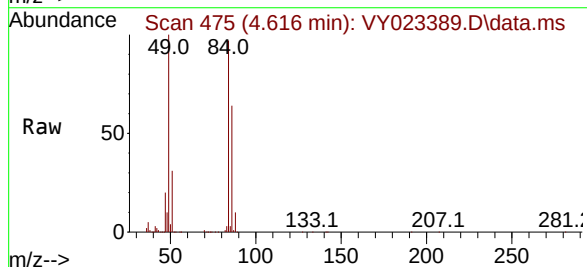
Ion Ratio Lower Upper

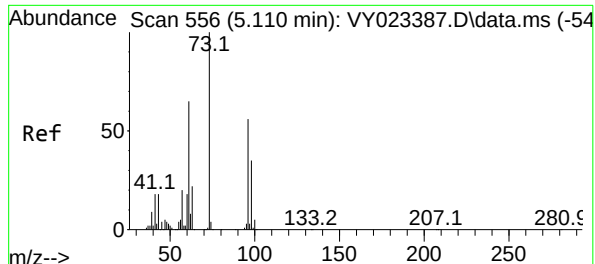
84 100

49 102.7 80.2 120.4

51 31.9 25.9 38.9

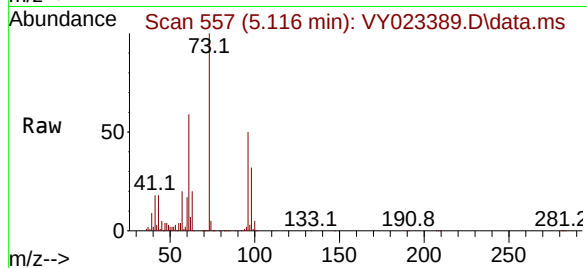
86 65.3 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 142.549 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

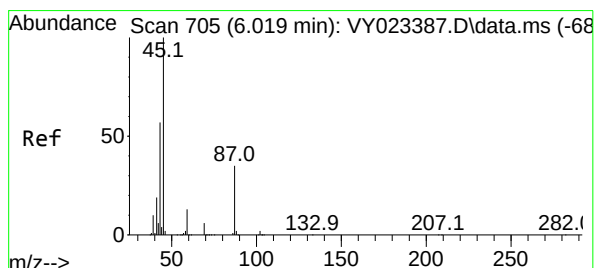
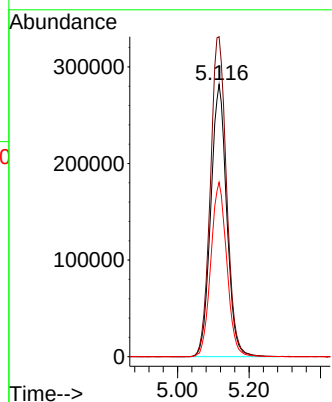
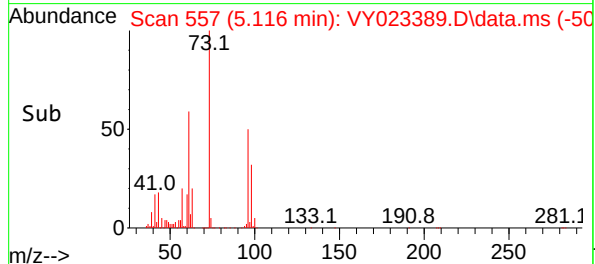
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 871380
Ion Ratio Lower Upper
96 100
61 117.5 92.7 139.1
98 64.1 49.7 74.5

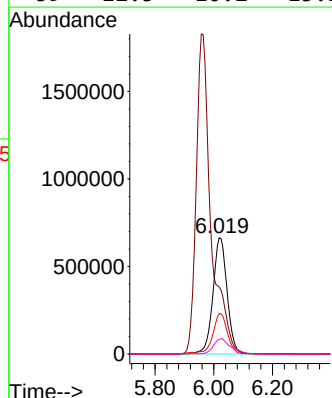
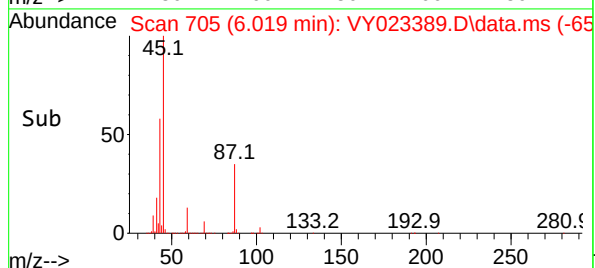
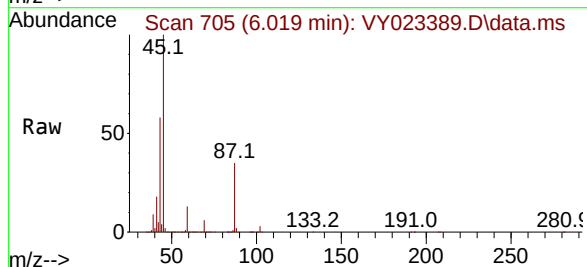
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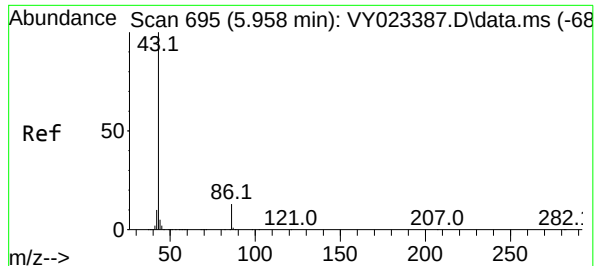
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#22
Diisopropyl ether
Concen: 145.375 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 45 Resp: 2218430
Ion Ratio Lower Upper
45 100
43 57.6 45.6 68.4
87 34.7 28.1 42.1
59 12.5 10.2 15.2





#23

Vinyl Acetate

Concen: 760.246 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 637704

Ion Ratio Lower Upper

43 100

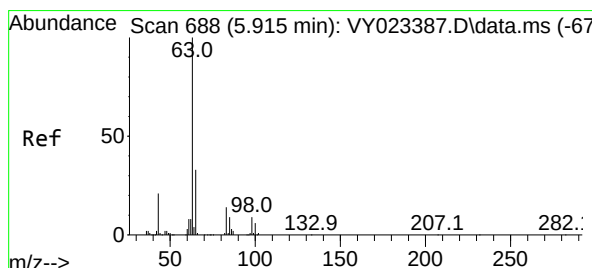
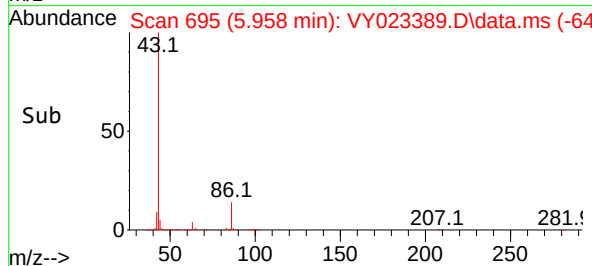
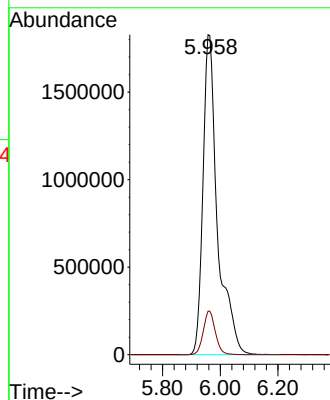
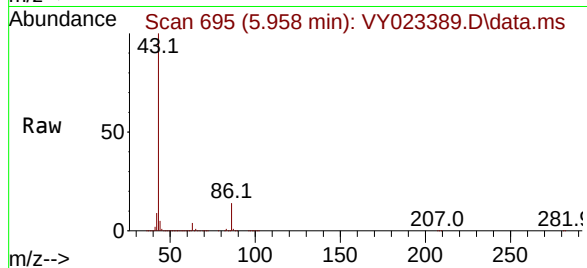
86 13.6 10.6 15.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 139.024 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

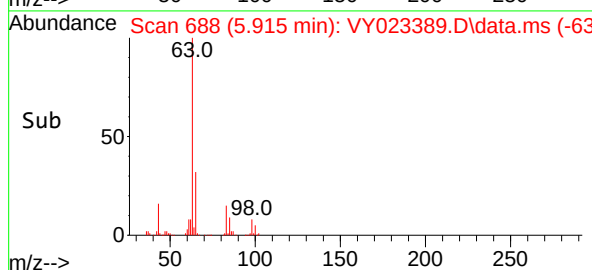
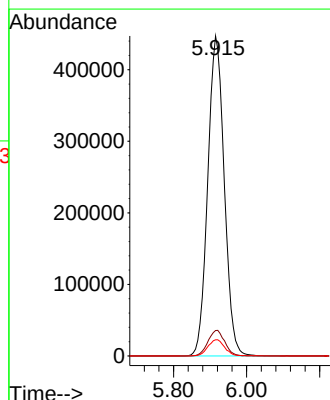
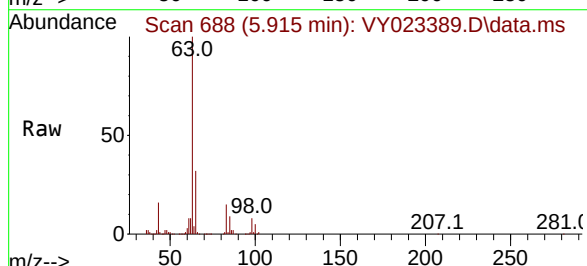
Tgt Ion: 63 Resp: 1398477

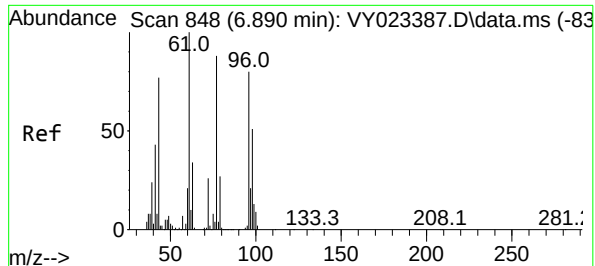
Ion Ratio Lower Upper

63 100

98 8.0 4.3 13.1

100 5.0 2.8 8.4





#25

2-Butanone

Concen: 788.091 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 111634

Ion Ratio Lower Upper

43 100

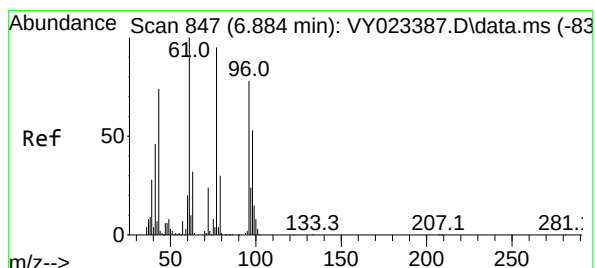
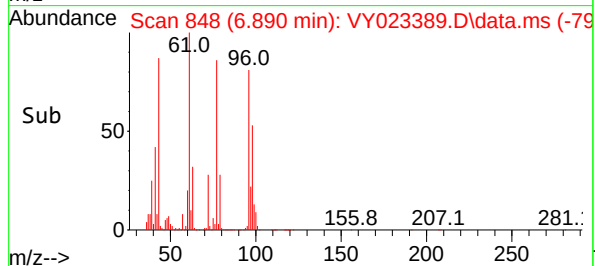
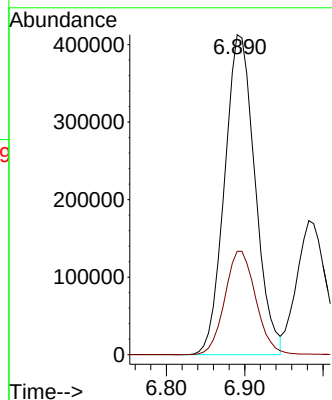
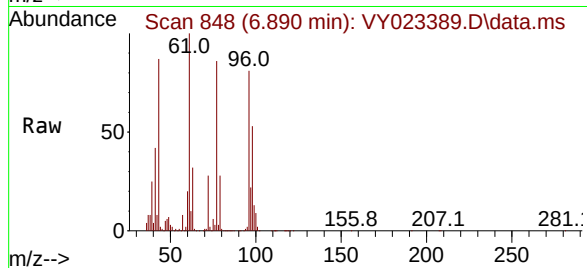
72 32.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 143.391 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023389.D

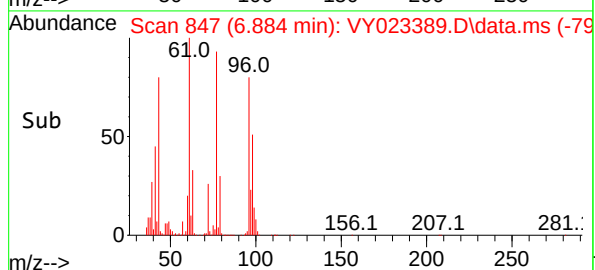
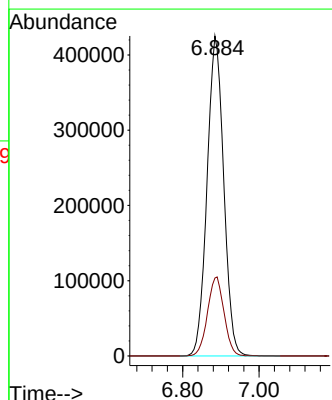
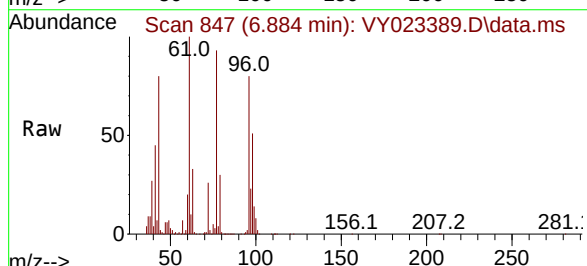
Acq: 07 Oct 2025 12:32

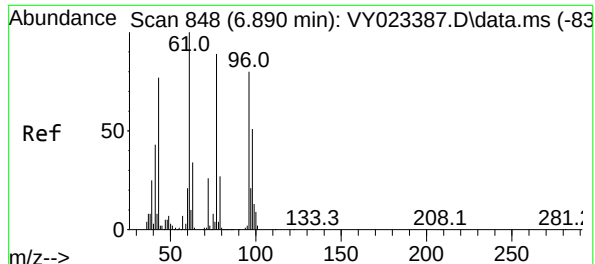
Tgt Ion: 77 Resp: 1281633

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 150.505 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1043574

Ion Ratio Lower Upper

96 100

61 125.7 0.0 258.2

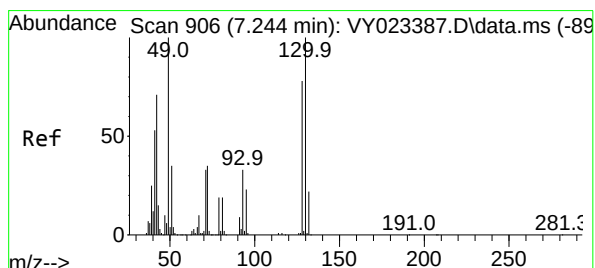
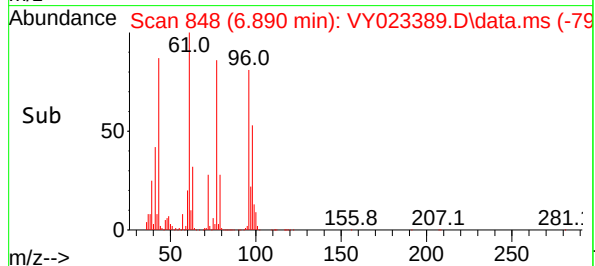
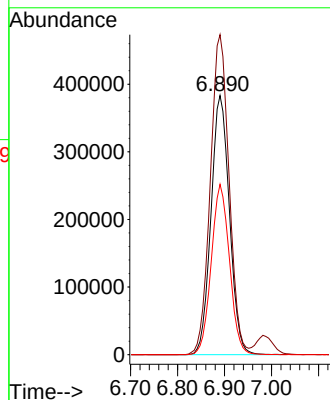
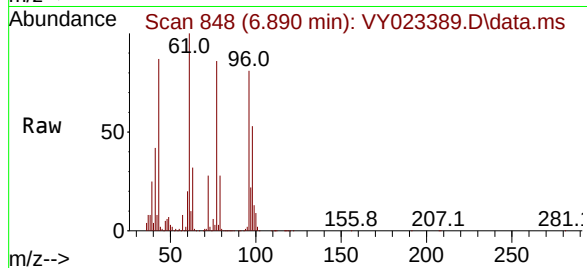
98 65.0 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#28

Bromochloromethane

Concen: 123.567 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

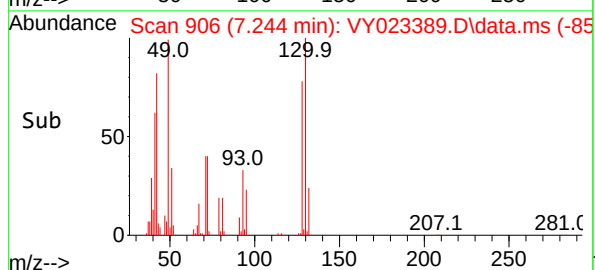
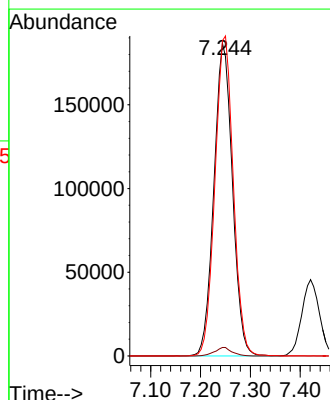
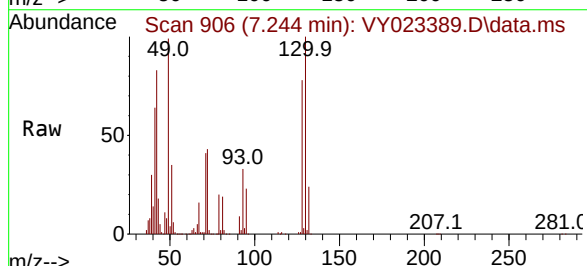
Tgt Ion: 49 Resp: 482210

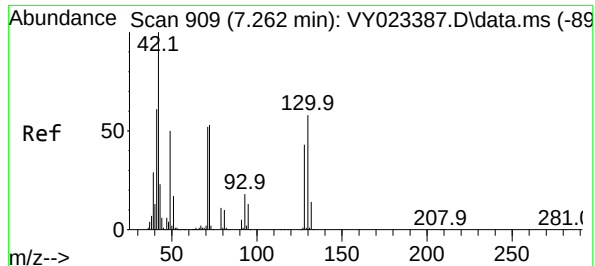
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.6

130 101.2 81.9 122.9





#29

Tetrahydrofuran

Concen: 817.972 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 687715

Ion Ratio Lower Upper

42 100

72 53.9 43.0 64.6

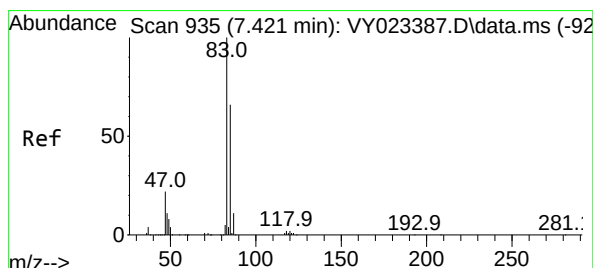
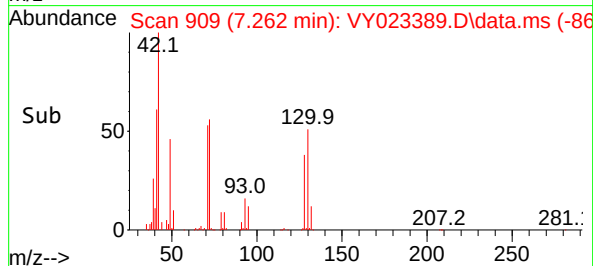
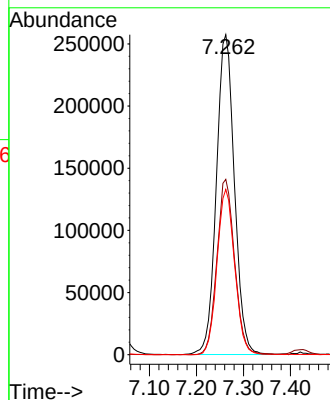
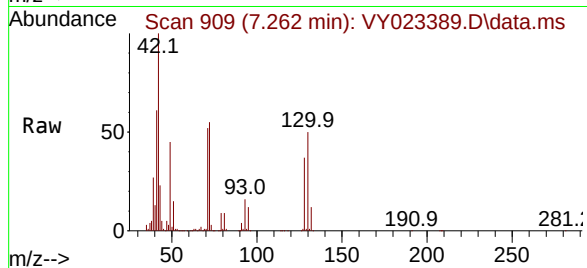
71 50.4 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 142.221 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023389.D

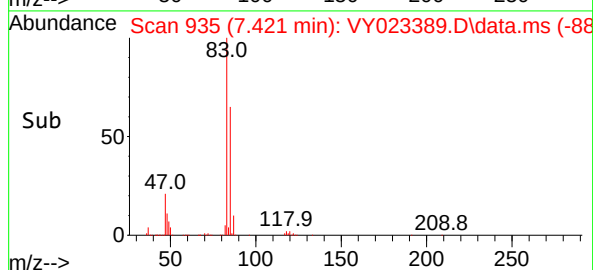
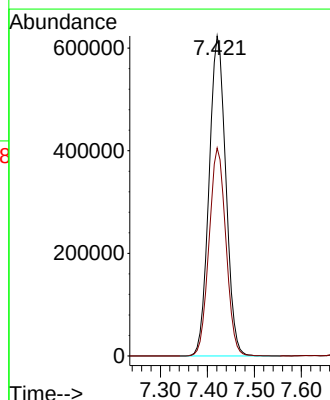
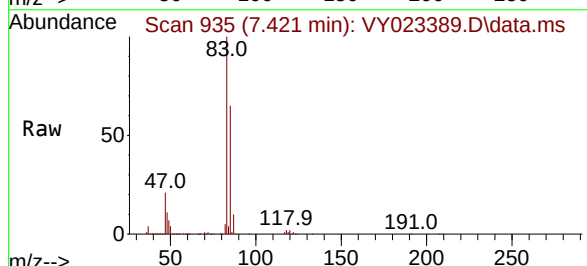
Acq: 07 Oct 2025 12:32

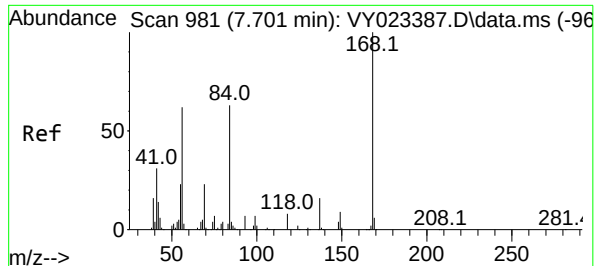
Tgt Ion: 83 Resp: 1542715

Ion Ratio Lower Upper

83 100

85 65.0 52.5 78.7





#31

Cyclohexane

Concen: 134.268 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 1192778

Ion Ratio Lower Upper

56 100

69 34.2 30.0 45.0

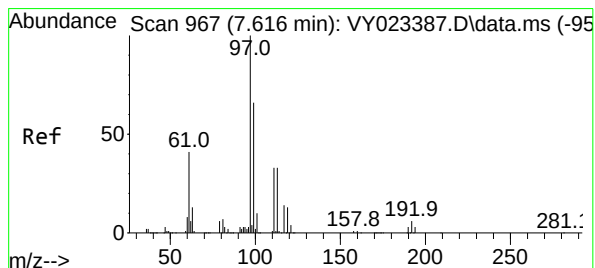
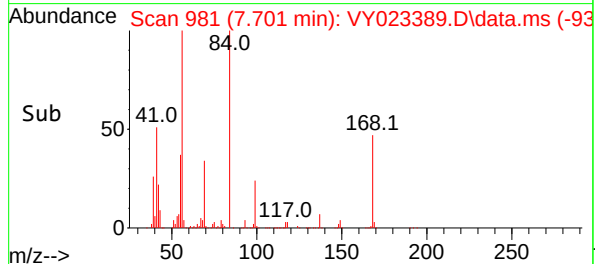
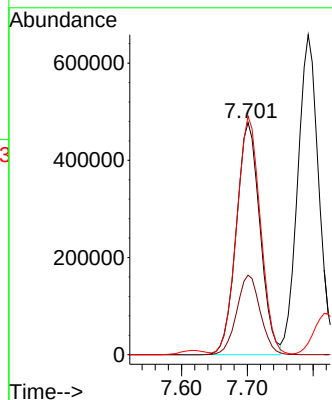
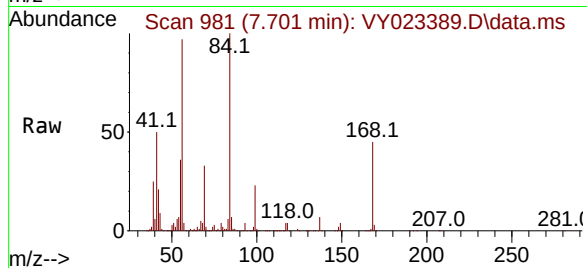
84 101.7 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 144.305 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

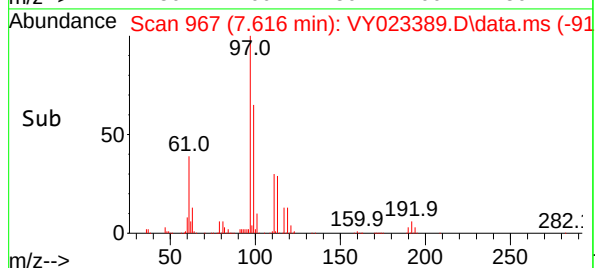
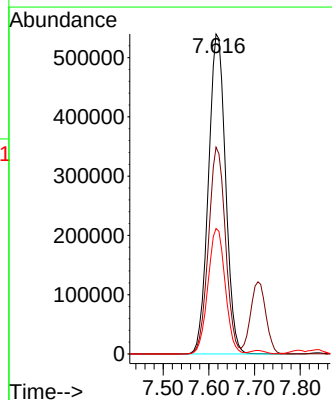
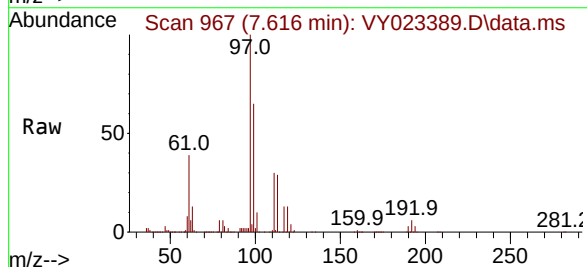
Tgt Ion: 97 Resp: 1405131

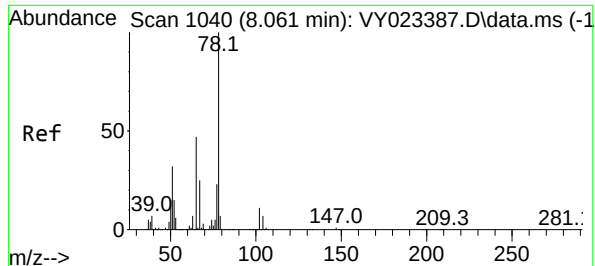
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 39.5 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 140.236 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 714730

Ion Ratio Lower Upper

65 100

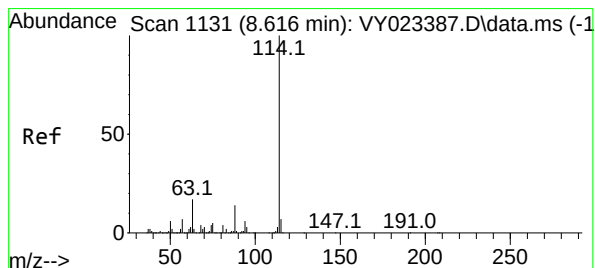
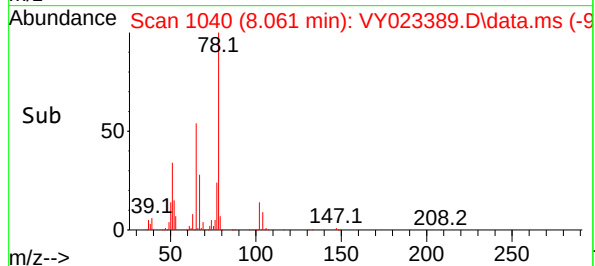
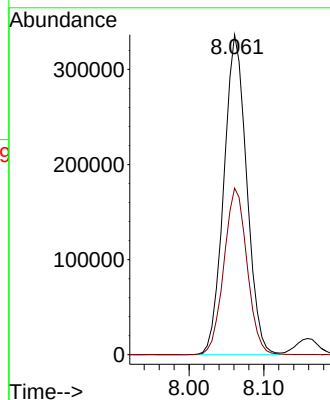
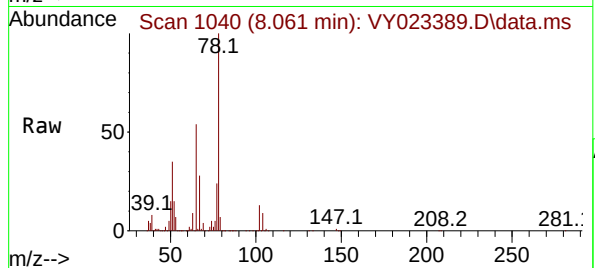
67 52.8 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

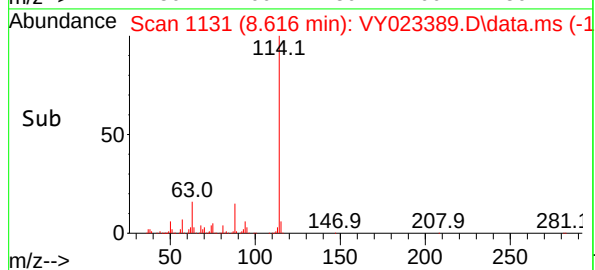
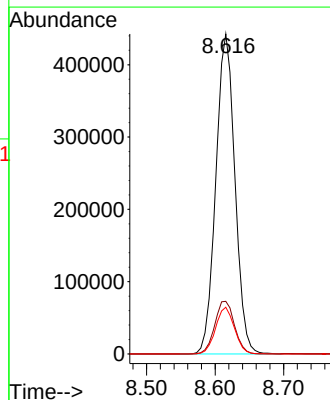
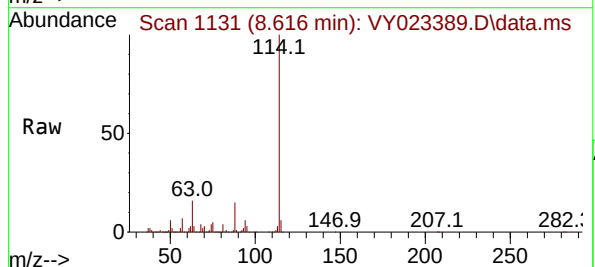
Tgt Ion:114 Resp: 855488

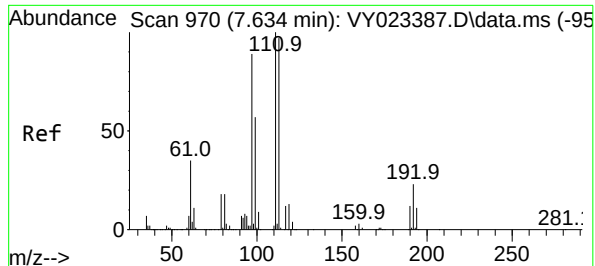
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.6 0.0 28.4





#35

Dibromofluoromethane

Concen: 149.977 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 778632

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

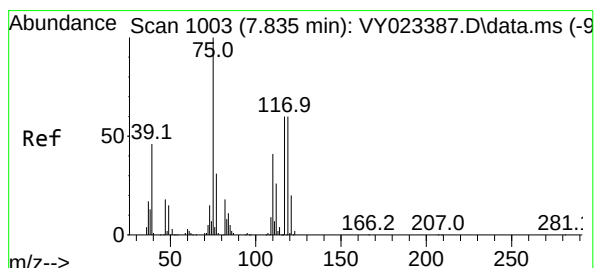
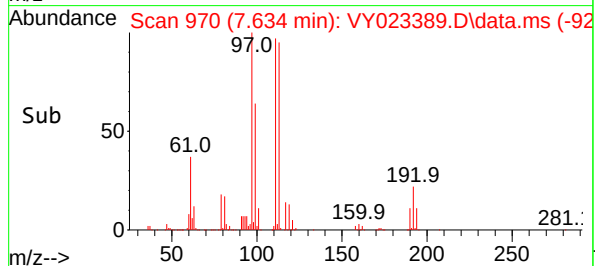
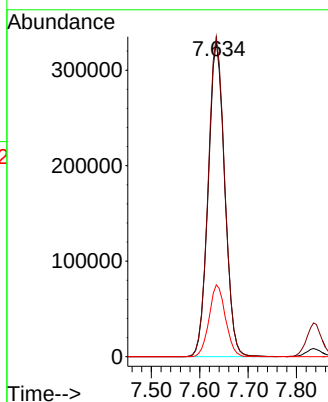
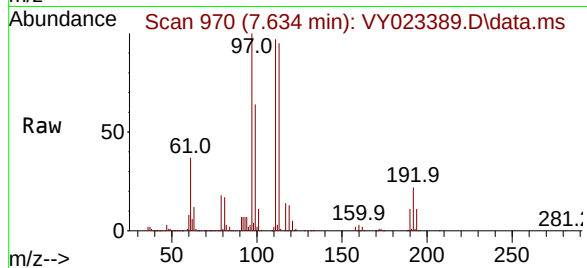
192 22.7 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 146.031 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

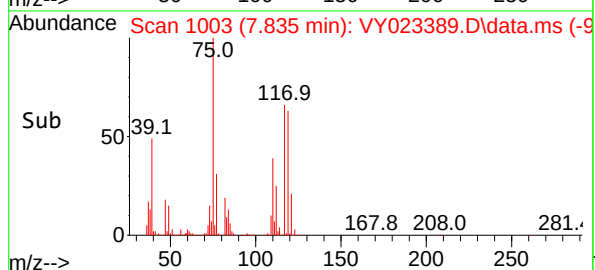
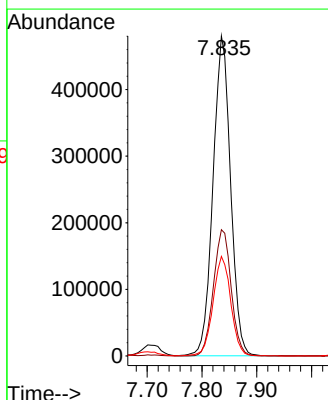
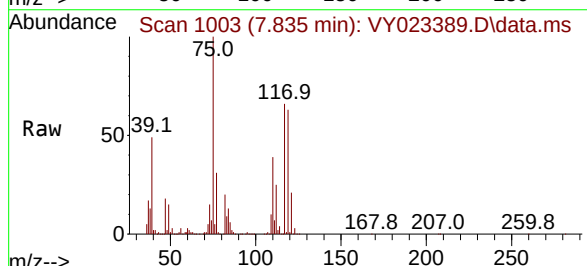
Tgt Ion: 75 Resp: 1069665

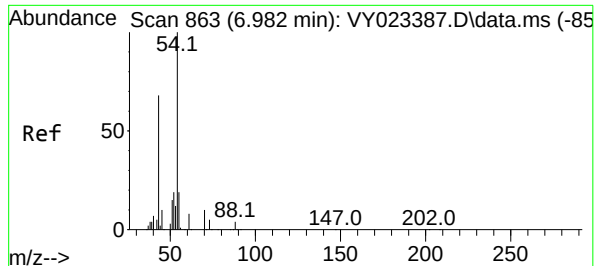
Ion Ratio Lower Upper

75 100

110 39.9 19.9 59.7

77 31.4 25.0 37.6





#37

Ethyl Acetate

Concen: 158.853 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 46002

Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.8

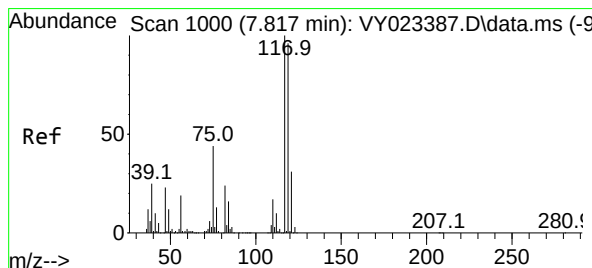
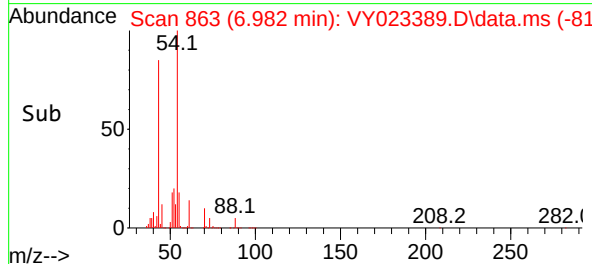
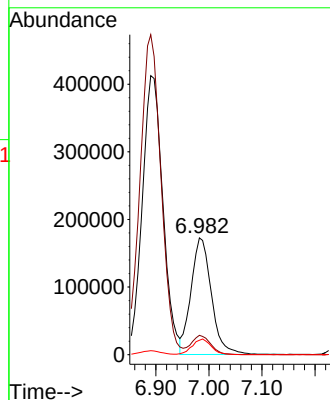
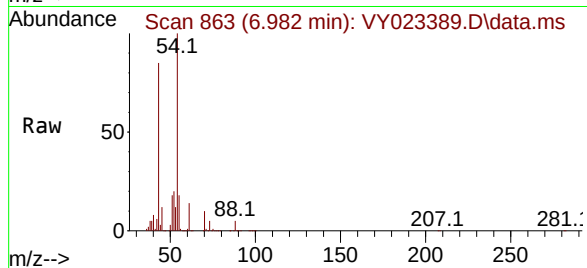
70 12.7 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 151.646 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

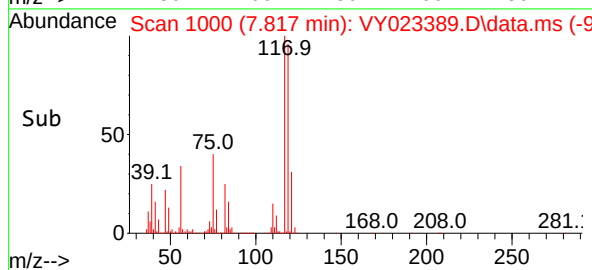
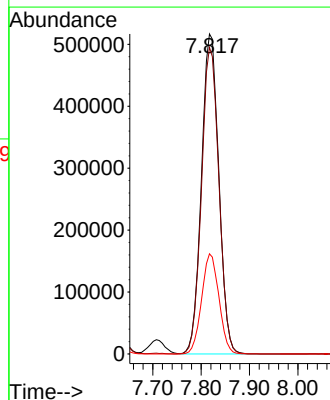
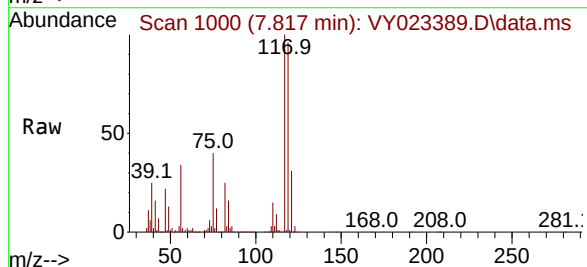
Tgt Ion:117 Resp: 1290353

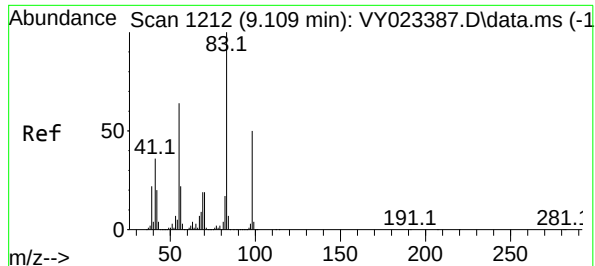
Ion Ratio Lower Upper

117 100

119 95.8 76.8 115.2

121 31.3 24.5 36.7





#39

Methylcyclohexane

Concen: 159.580 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1496612

Ion Ratio Lower Upper

83 100

55 65.2 51.4 77.2

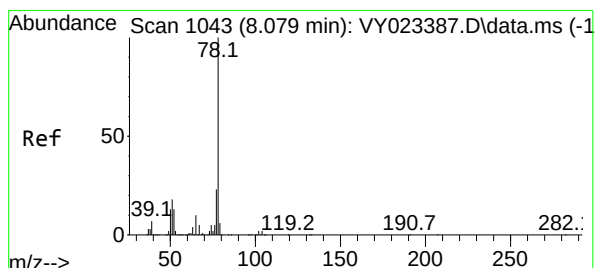
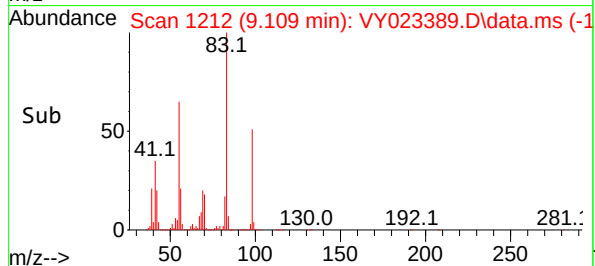
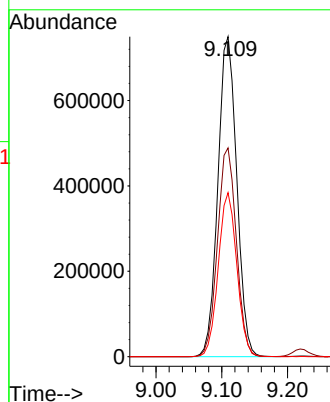
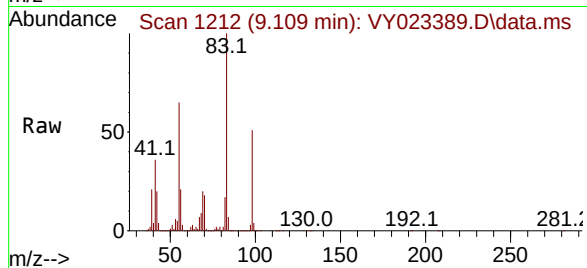
98 51.2 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 147.442 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023389.D

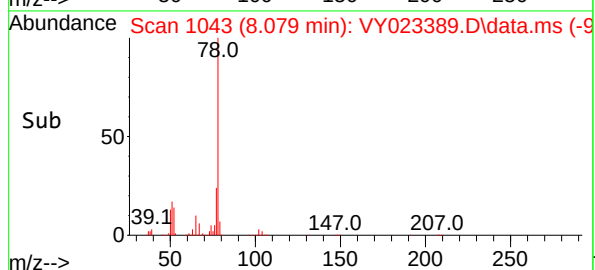
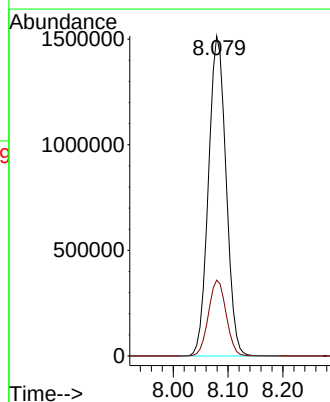
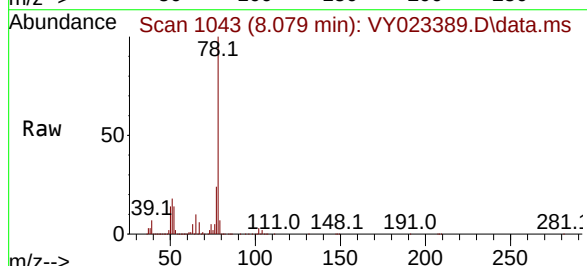
Acq: 07 Oct 2025 12:32

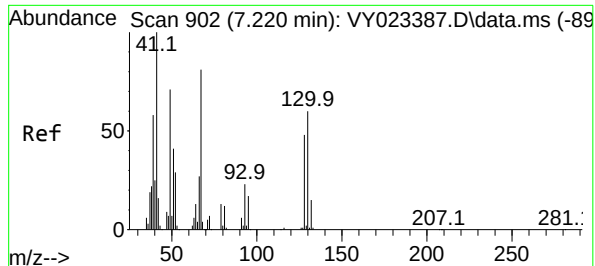
Tgt Ion: 78 Resp: 3366812

Ion Ratio Lower Upper

78 100

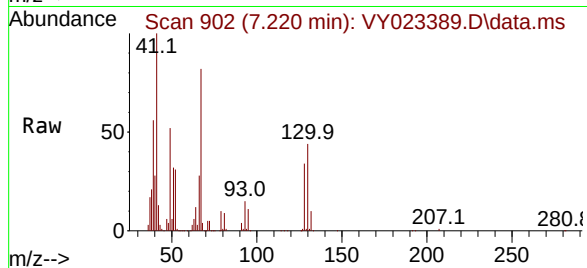
77 23.7 18.3 27.5





#41
Methacrylonitrile
Concen: 164.212 ug/l
RT: 7.220 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

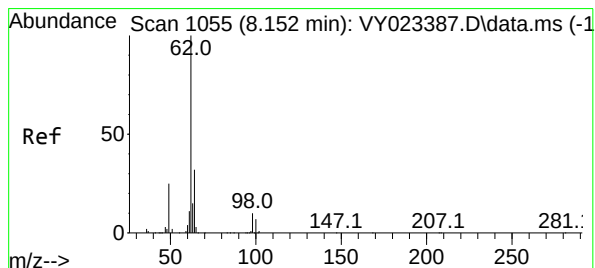
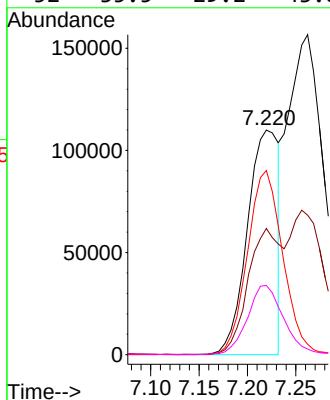
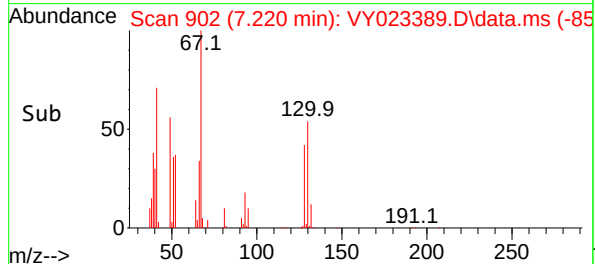
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



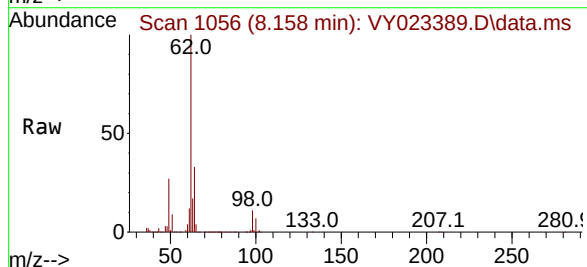
Tgt Ion: 41 Resp: 246974
Ion Ratio Lower Upper
41 100
39 61.7 52.2 78.4
67 93.3 74.9 112.3
52 35.5 29.2 43.8

Manual Integrations
APPROVED

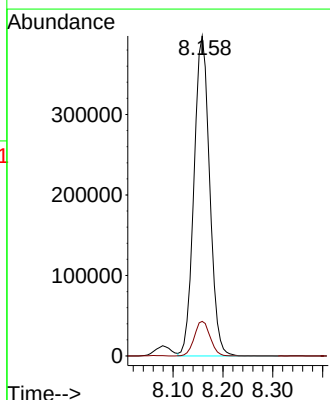
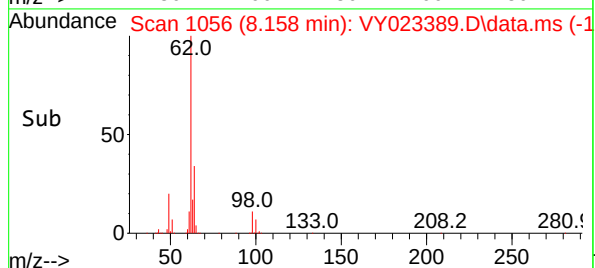
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

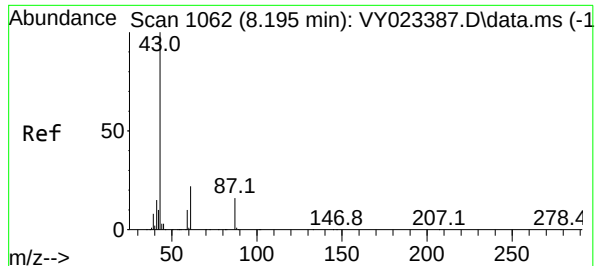


#42
1,2-Dichloroethane
Concen: 149.063 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32



Tgt Ion: 62 Resp: 866250
Ion Ratio Lower Upper
62 100
98 11.0 0.0 21.6





#43

Isopropyl Acetate

Concen: 167.955 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 94608

Ion Ratio Lower Upper

43 100

61 22.6 18.1 27.1

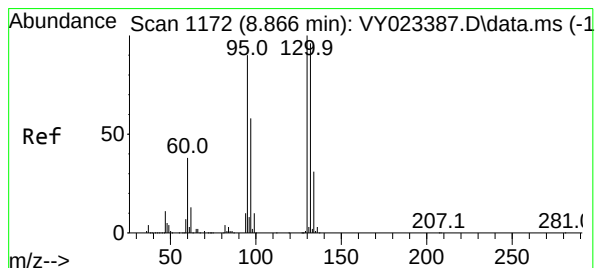
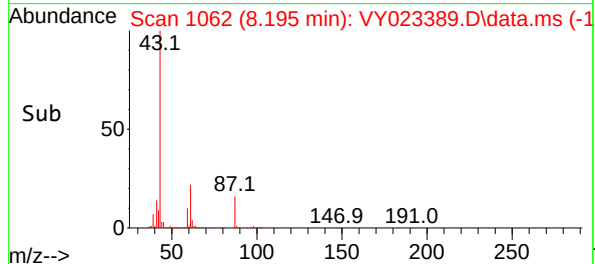
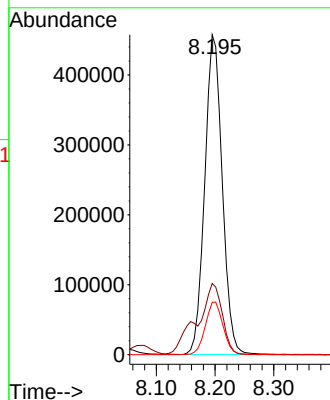
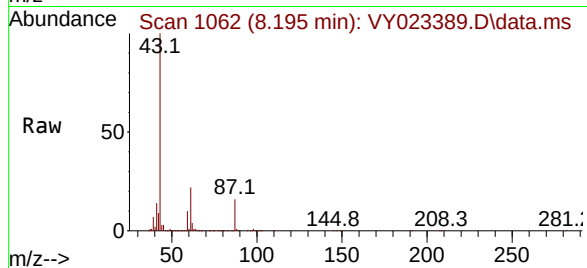
87 16.7 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 150.740 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023389.D

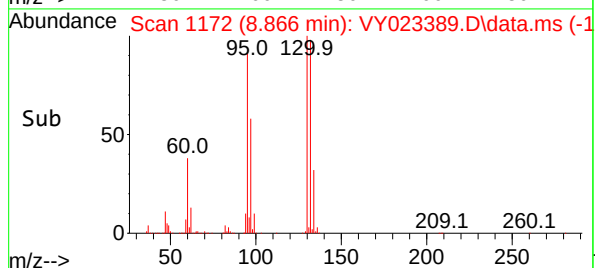
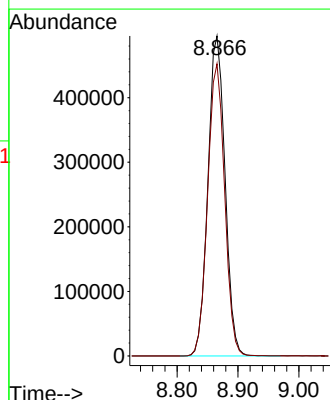
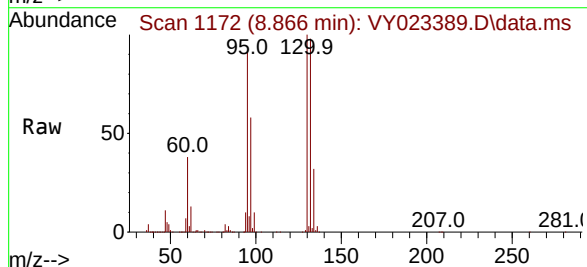
Acq: 07 Oct 2025 12:32

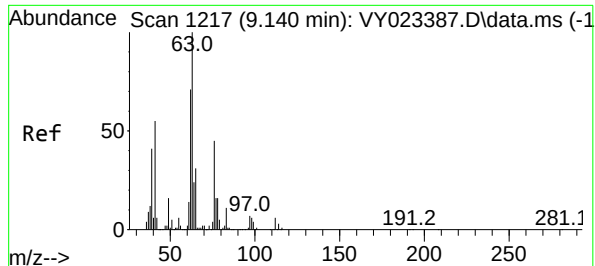
Tgt Ion:130 Resp: 966011

Ion Ratio Lower Upper

130 100

95 91.3 0.0 180.6





#45

1,2-Dichloropropane

Concen: 146.403 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 752280

Ion Ratio Lower Upper

63 100

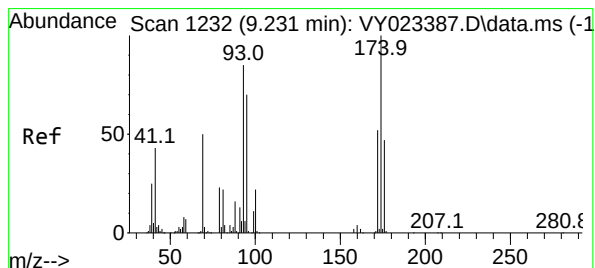
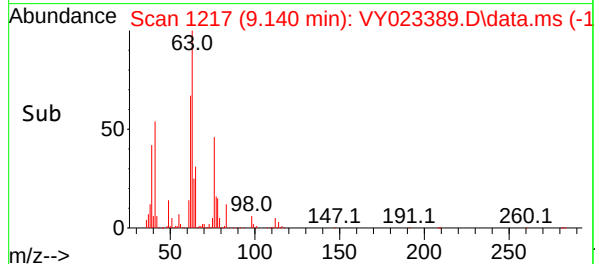
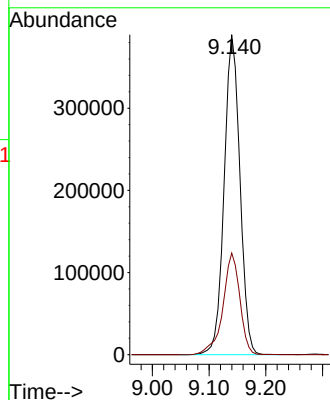
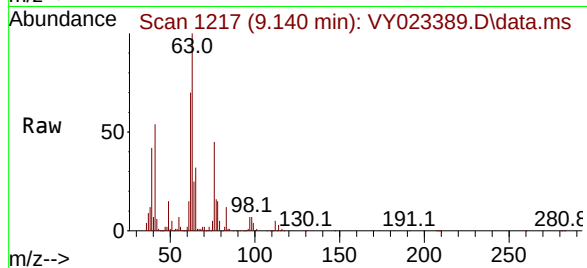
65 31.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 153.895 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

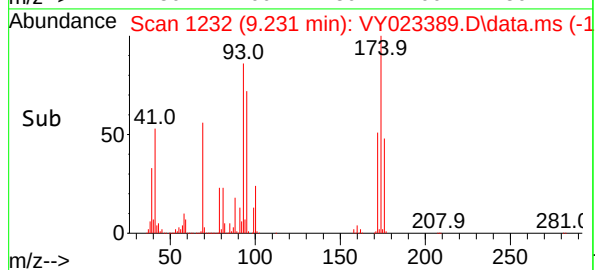
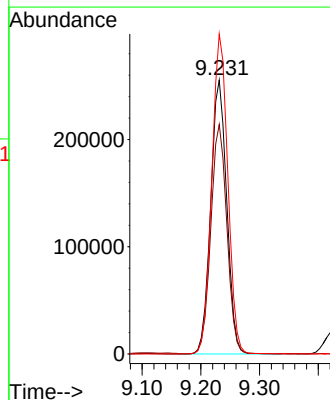
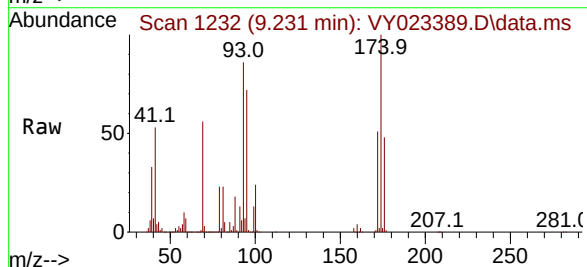
Tgt Ion: 93 Resp: 483702

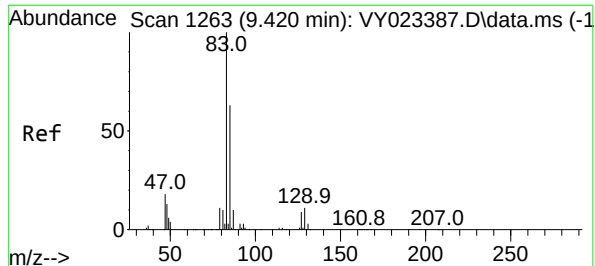
Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.0

174 116.7 92.9 139.3





#47

Bromodichloromethane

Concen: 151.965 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 120224

Ion Ratio Lower Upper

83 100

85 65.6 50.8 76.2

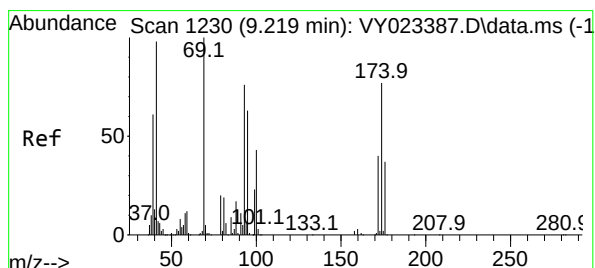
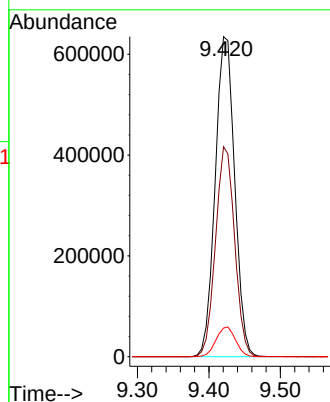
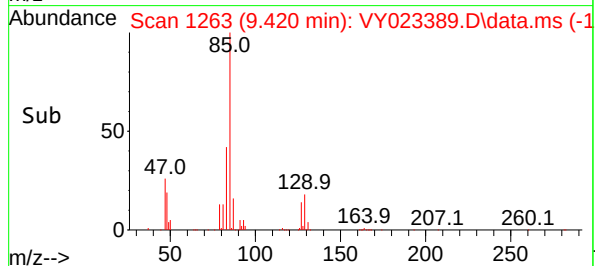
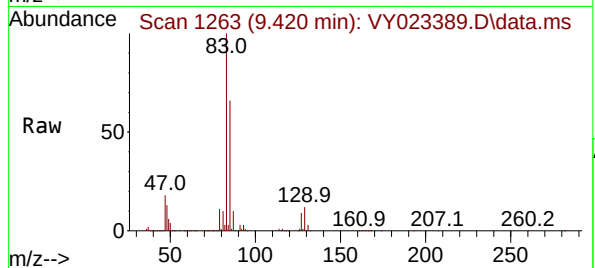
127 9.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 176.368 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

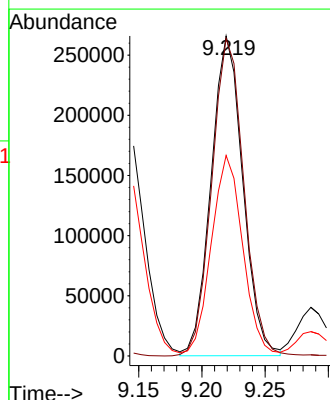
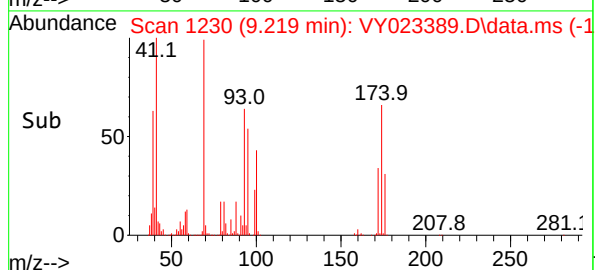
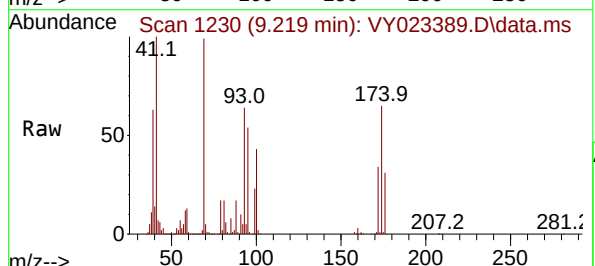
Tgt Ion: 41 Resp: 463614

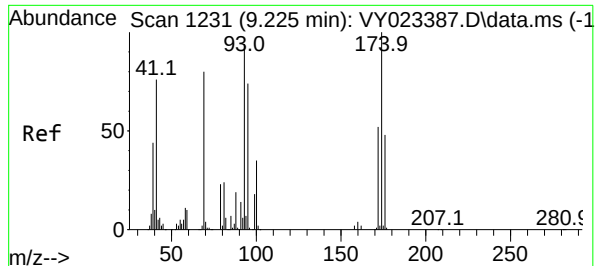
Ion Ratio Lower Upper

41 100

69 100.4 81.0 121.4

39 60.3 48.2 72.4





#49

1,4-Dioxane

Concen: 3809.726 ug/l

RT: 9.225 min Scan# 12399

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 12399

Ion Ratio Lower Upper

88 100

43 27.5 21.8 32.8

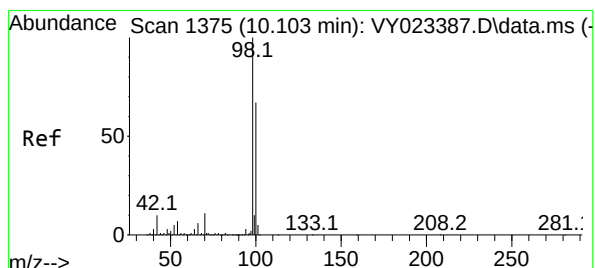
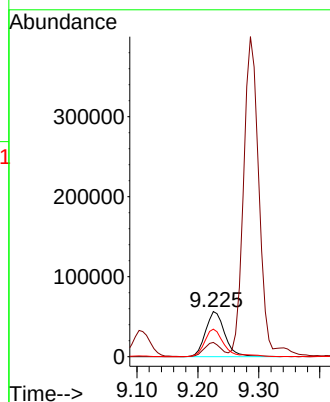
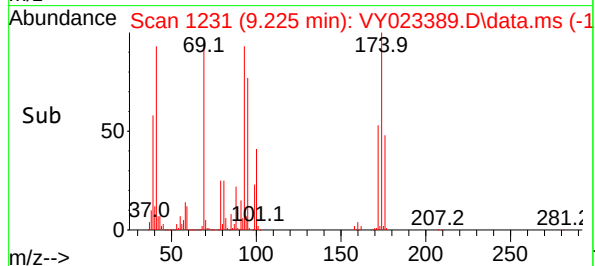
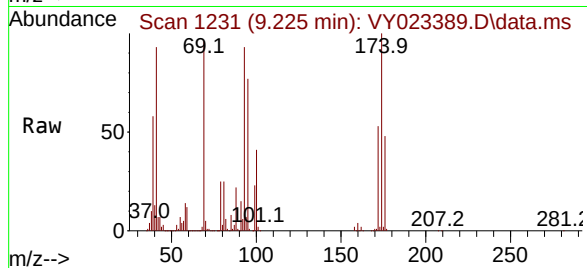
58 62.1 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#50

Toluene-d8

Concen: 148.741 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023389.D

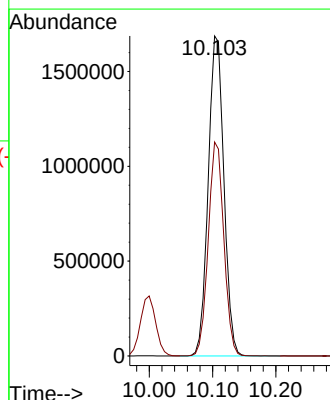
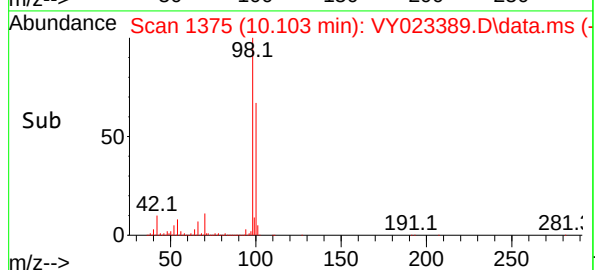
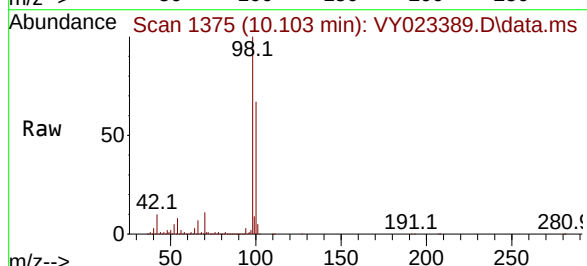
Acq: 07 Oct 2025 12:32

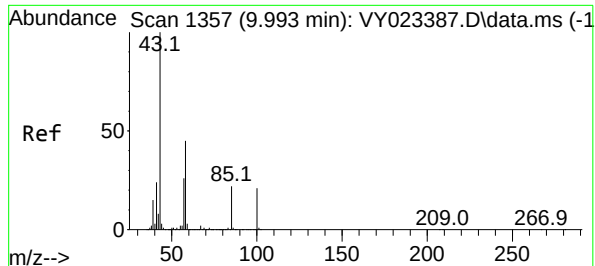
Tgt Ion: 98 Resp: 2912319

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4





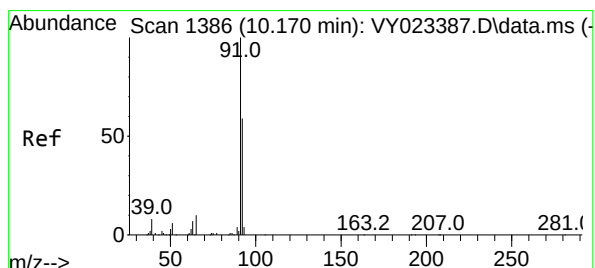
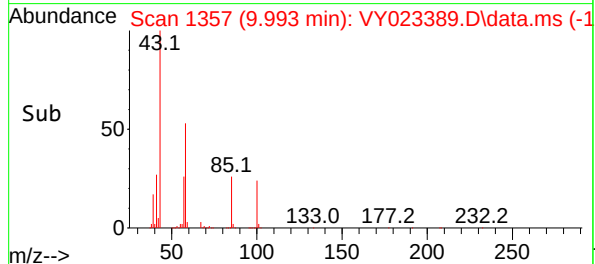
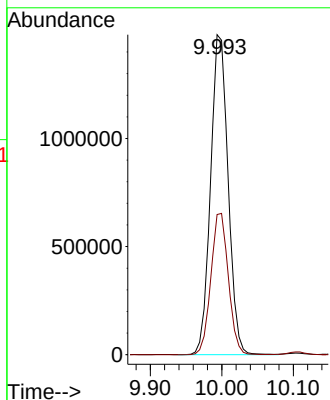
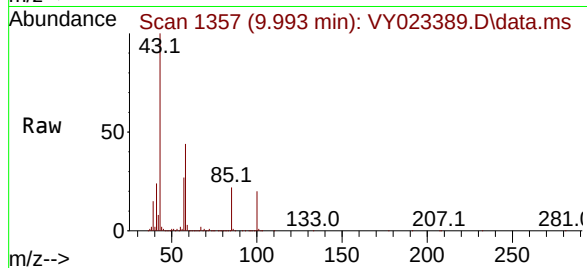
#51
4-Methyl-2-Pentanone
Concen: 872.045 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 251610
Ion Ratio Lower Upper
43 100
58 44.1 35.3 52.9

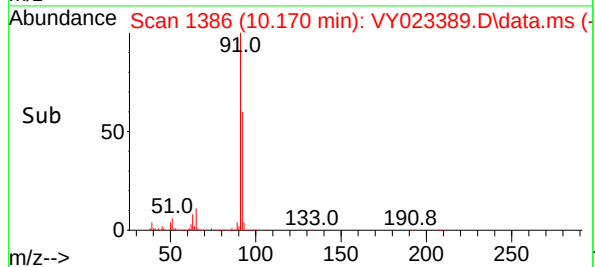
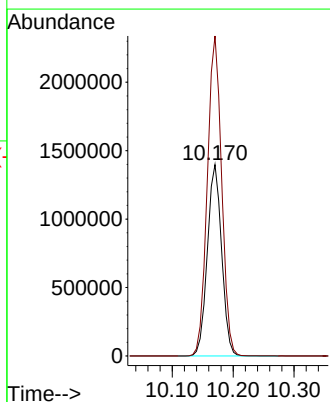
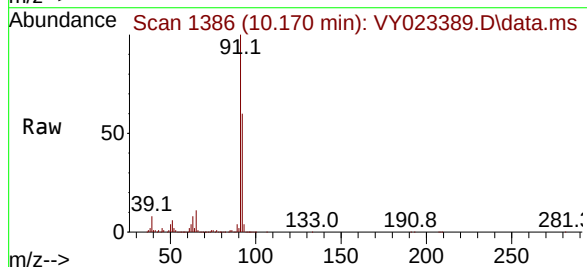
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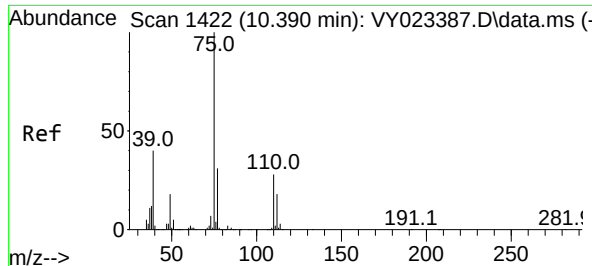
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Toluene
Concen: 156.786 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

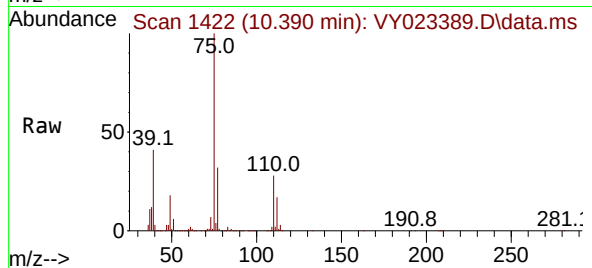
Tgt Ion: 92 Resp: 2272574
Ion Ratio Lower Upper
92 100
91 168.3 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 165.367 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

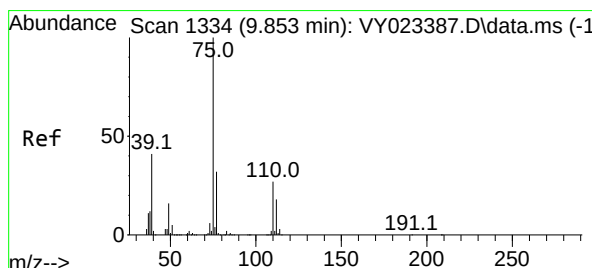
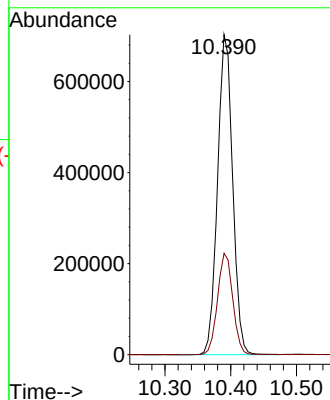
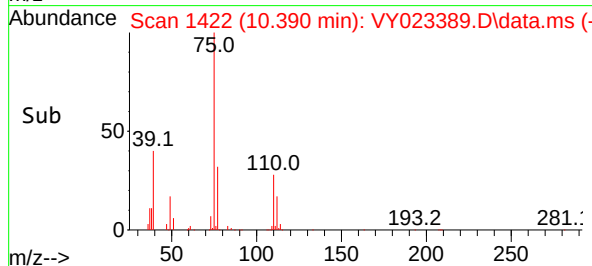
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 1123644
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

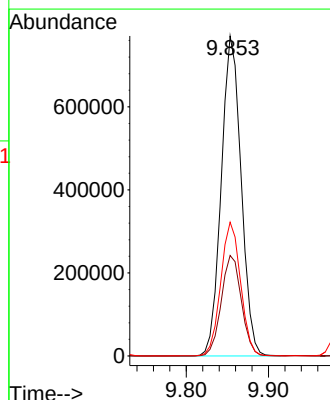
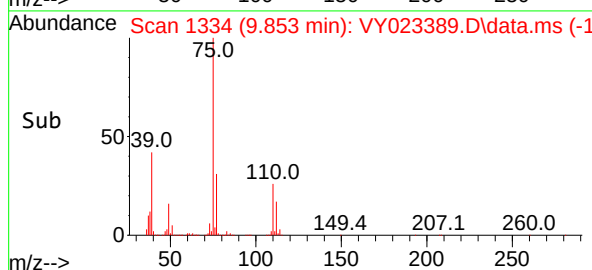
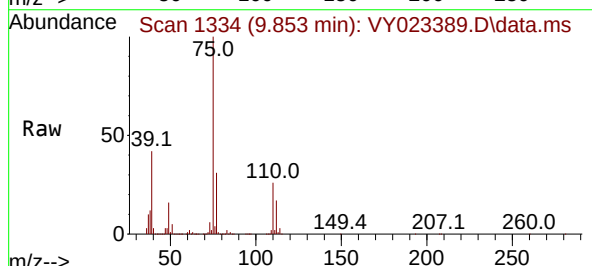
Manual Integrations
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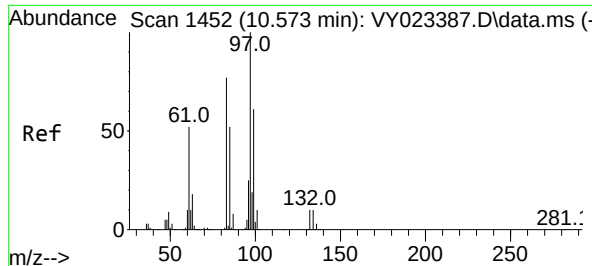
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 159.654 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

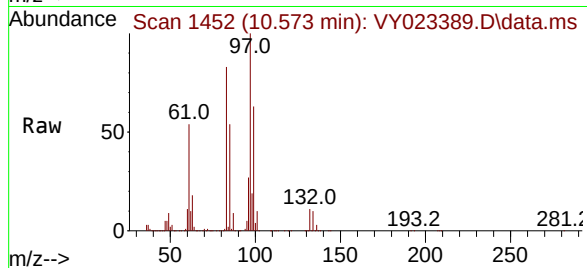
Tgt Ion: 75 Resp: 1296713
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 41.7 32.8 49.2





#55
1,1,2-Trichloroethane
Concen: 156.020 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

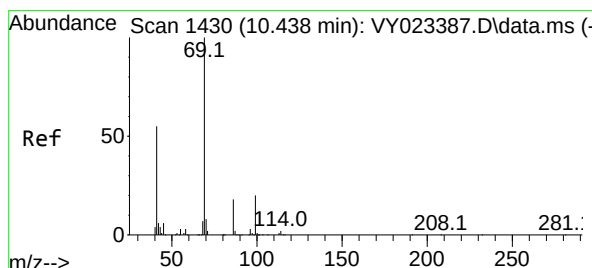
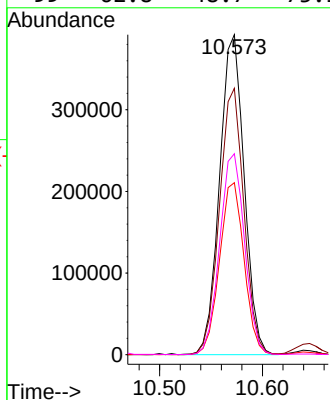
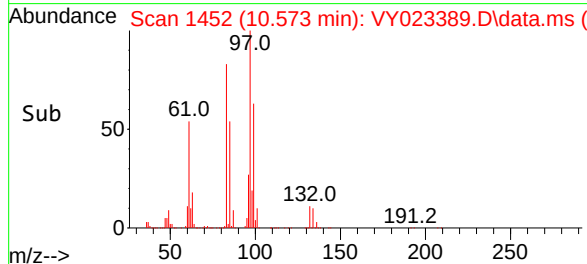
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 97 Resp: 65224
Ion Ratio Lower Upper
97 100
83 83.2 61.8 92.6
85 53.7 41.3 61.9
99 62.8 48.7 73.1

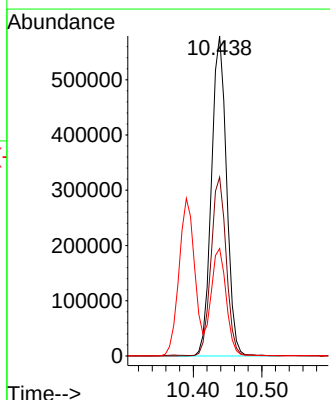
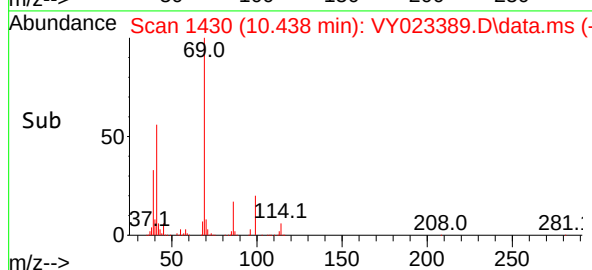
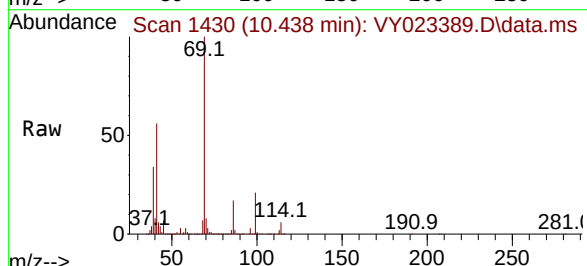
Manual Integrations
APPROVED

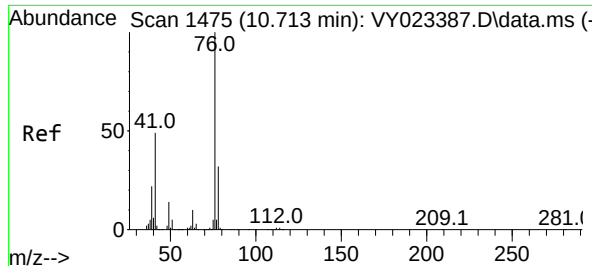
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Ethyl methacrylate
Concen: 184.048 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 69 Resp: 886127
Ion Ratio Lower Upper
69 100
41 56.0 44.6 67.0
39 33.6 27.0 40.4





#57

1,3-Dichloropropane

Concen: 155.122 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 104959

Ion Ratio Lower Upper

76 100

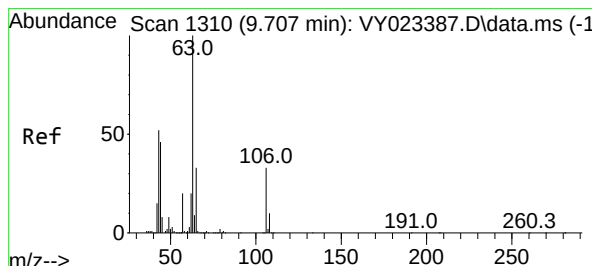
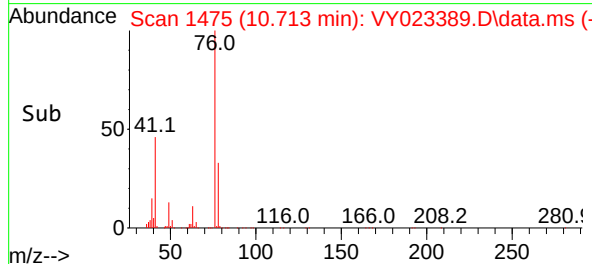
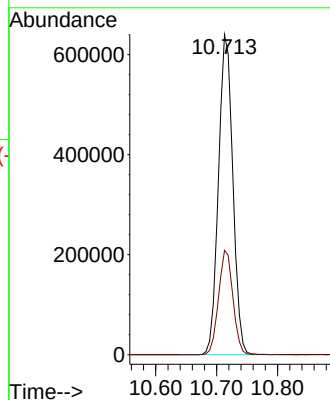
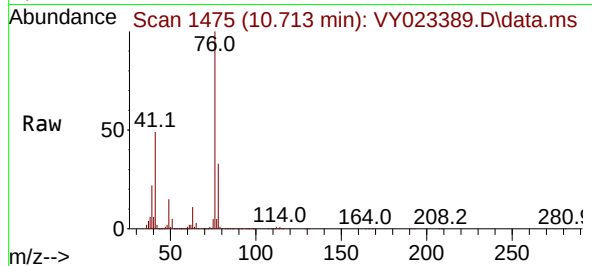
78 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 968.559 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023389.D

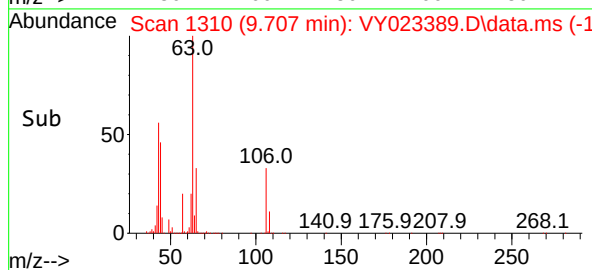
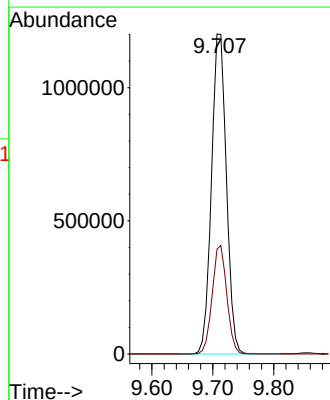
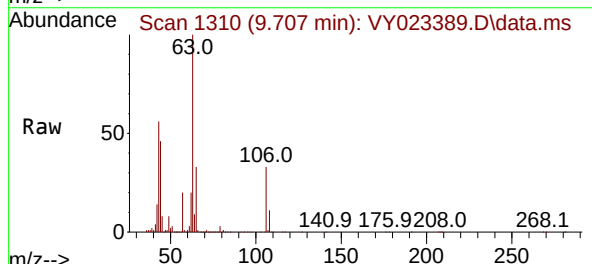
Acq: 07 Oct 2025 12:32

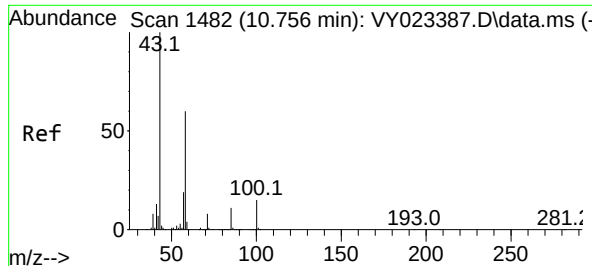
Tgt Ion: 63 Resp: 2040136

Ion Ratio Lower Upper

63 100

106 33.2 26.6 39.8





#59

2-Hexanone

Concen: 889.038 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 177603

Ion Ratio Lower Upper

43 100

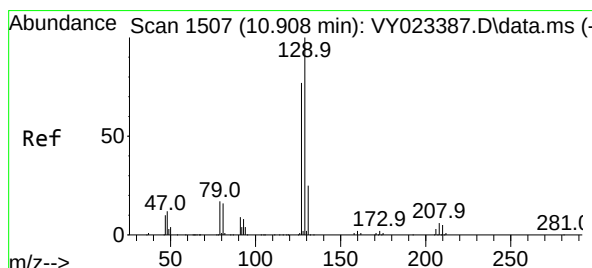
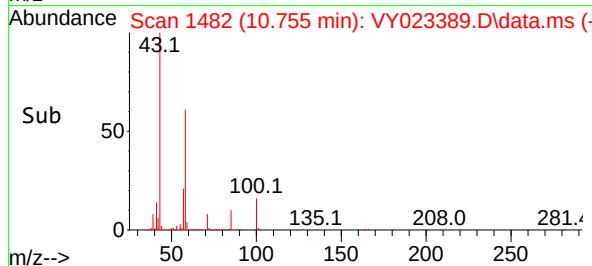
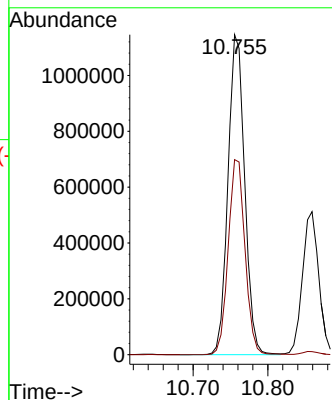
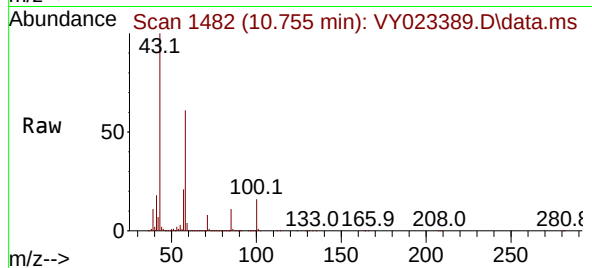
58 61.4 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 164.084 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023389.D

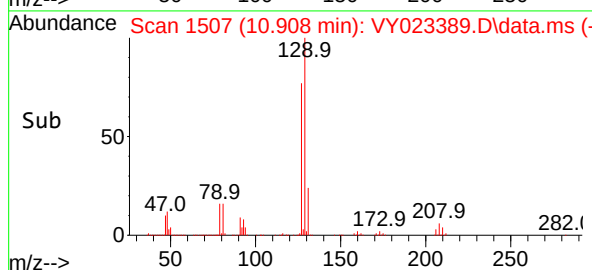
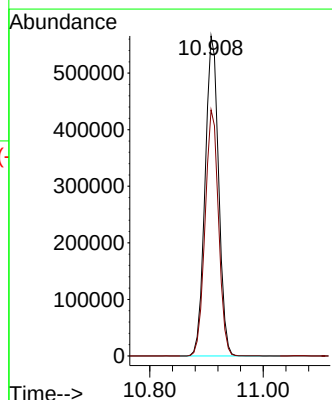
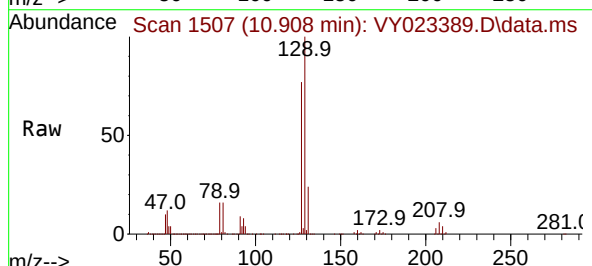
Acq: 07 Oct 2025 12:32

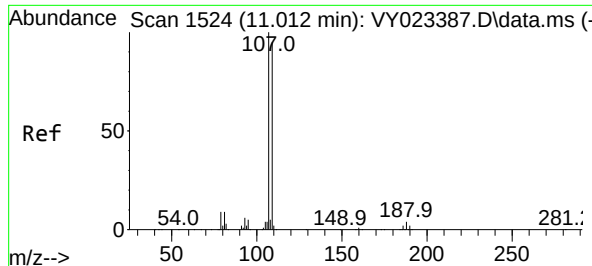
Tgt Ion:129 Resp: 935577

Ion Ratio Lower Upper

129 100

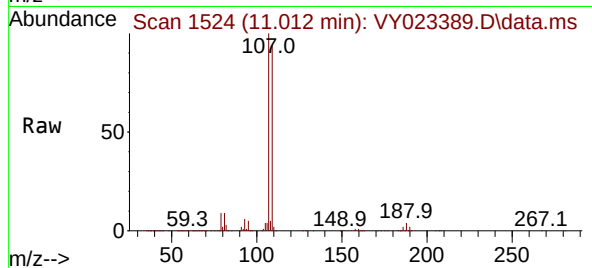
127 76.4 38.6 115.7





#61
1,2-Dibromoethane
Concen: 162.699 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

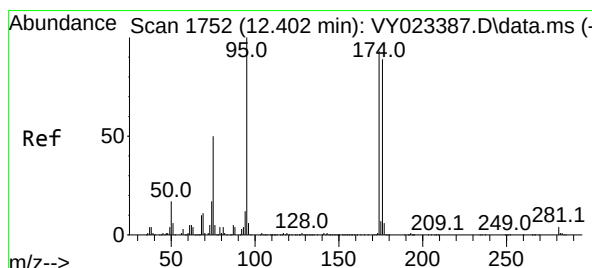
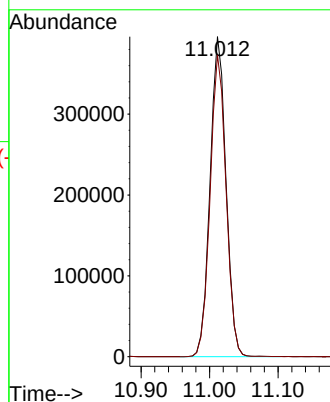
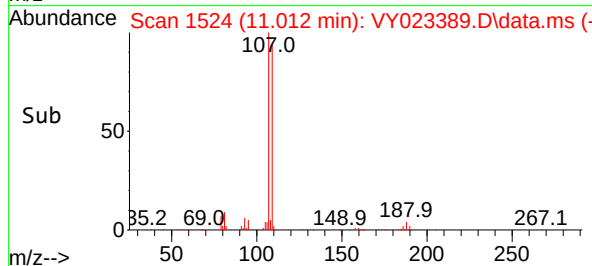
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:107 Resp: 63989
Ion Ratio Lower Upper
107 100
109 94.4 76.1 114.1

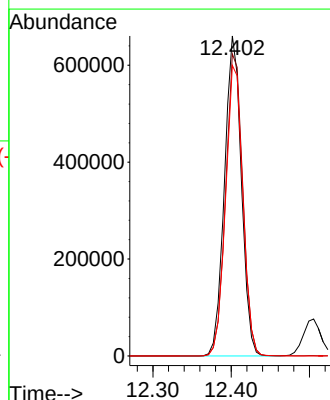
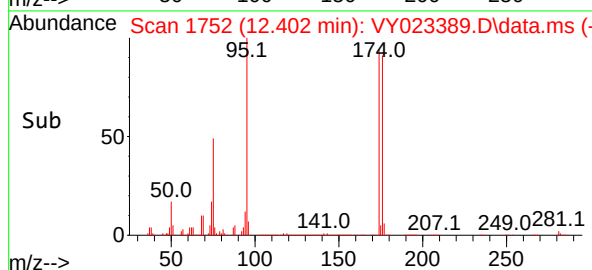
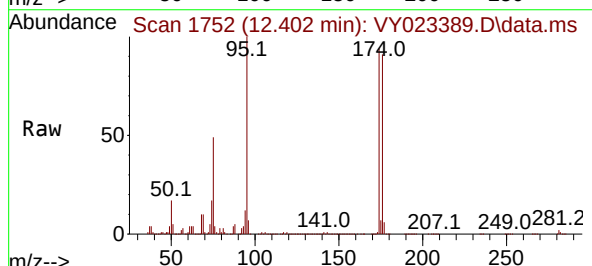
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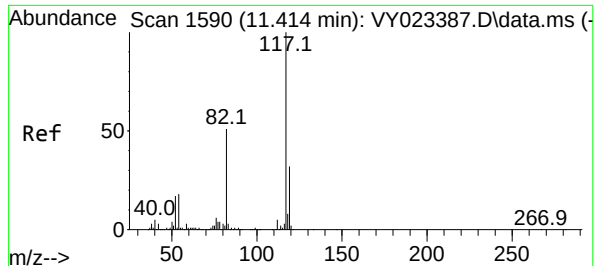
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
4-Bromofluorobenzene
Concen: 160.423 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

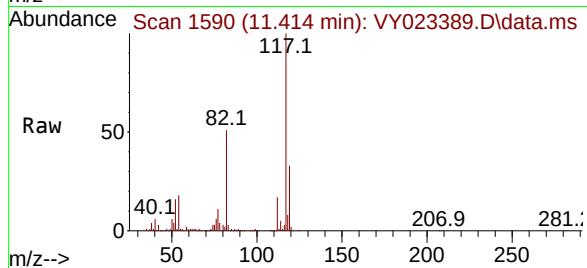
Tgt Ion: 95 Resp: 990964
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.8 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

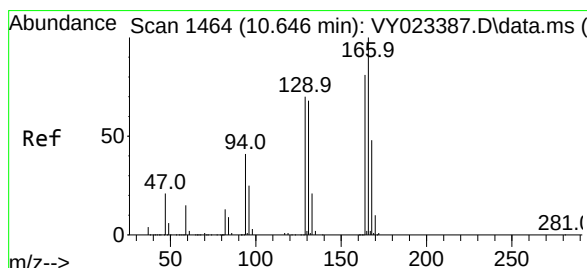
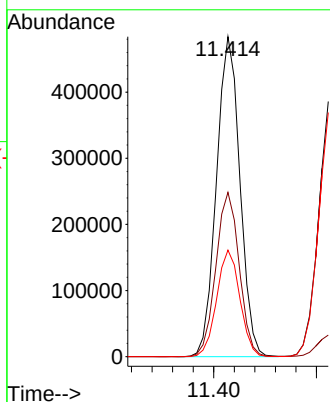
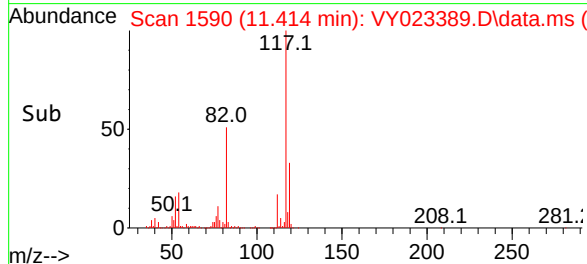
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



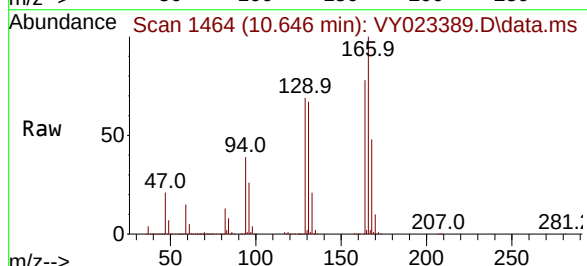
Tgt Ion:117 Resp: 76535
Ion Ratio Lower Upper
117 100
82 51.3 41.0 61.4
119 33.3 25.6 38.4

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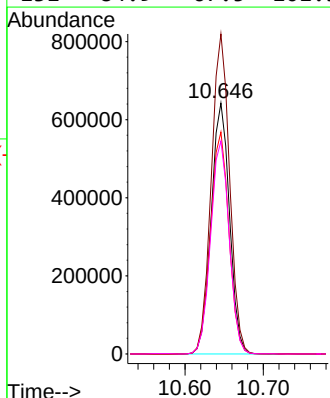
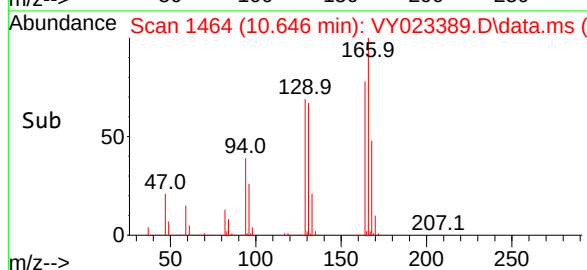
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

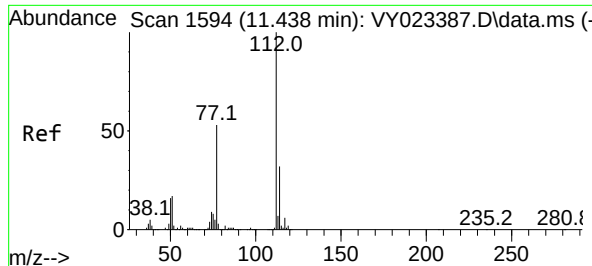


#64
Tetrachloroethene
Concen: 136.739 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32



Tgt Ion:164 Resp: 1046931
Ion Ratio Lower Upper
164 100
166 127.5 99.4 149.0
129 88.4 69.4 104.2
131 84.9 67.5 101.3





#65

Chlorobenzene

Concen: 154.117 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 2563170

Ion Ratio Lower Upper

112 100

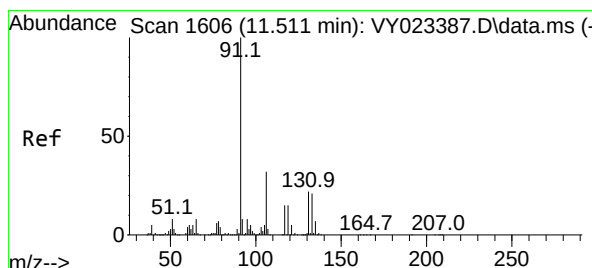
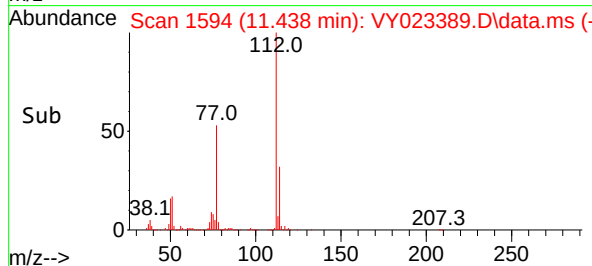
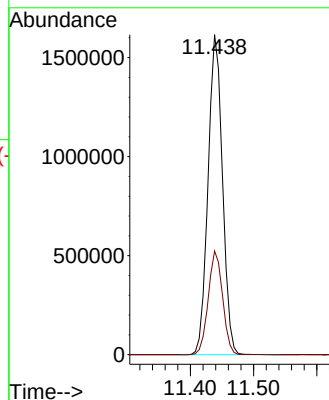
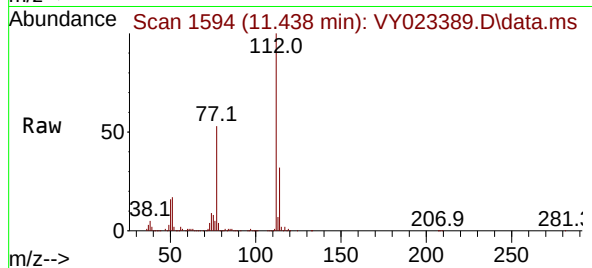
114 32.4 25.6 38.4

Manual Integrations

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Supervised By :Mahesh Dadoda 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 157.870 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

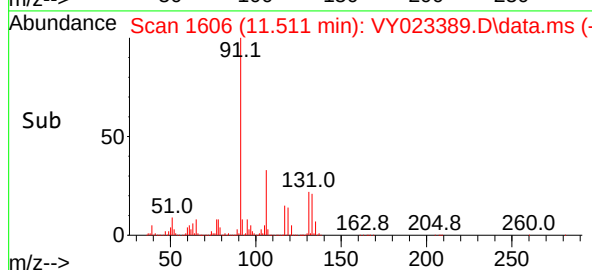
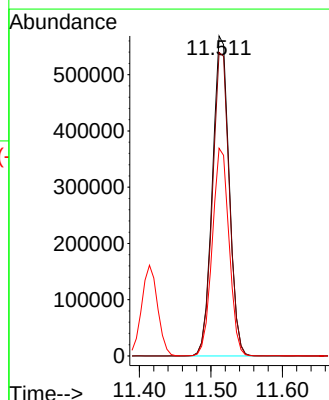
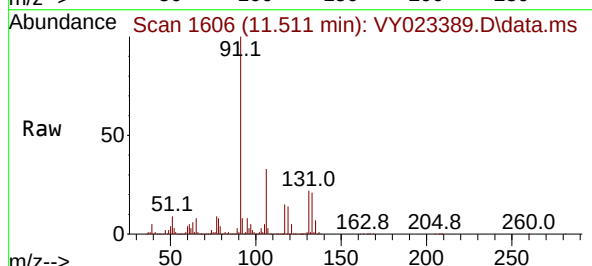
Tgt Ion:131 Resp: 923367

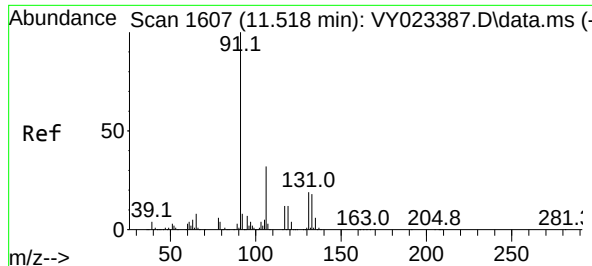
Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.2

119 65.2 32.4 97.2





#67

Ethyl Benzene

Concen: 159.957 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 434180

Ion Ratio Lower Upper

91 100

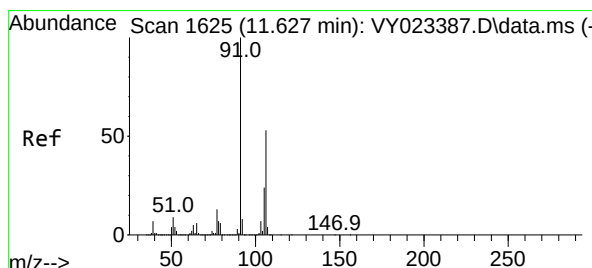
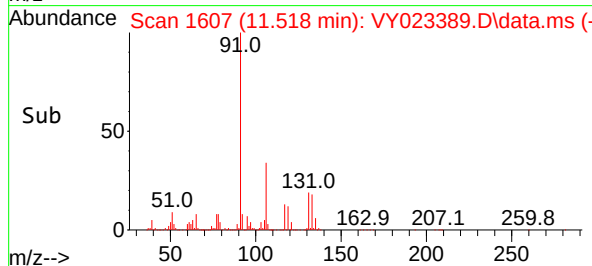
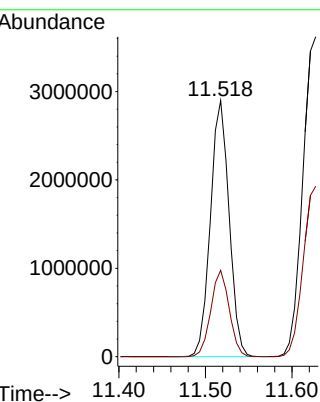
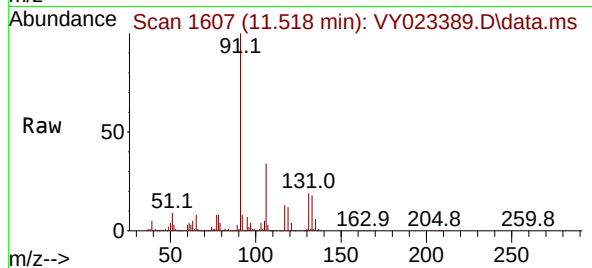
106 33.8 25.8 38.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

m/p-Xylenes

Concen: 321.899 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023389.D

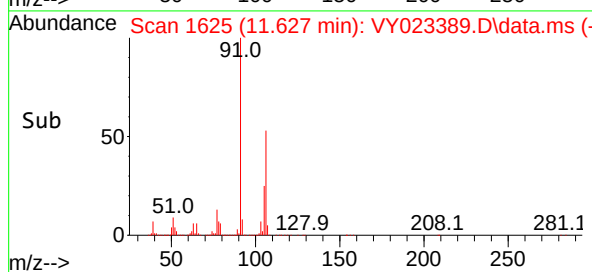
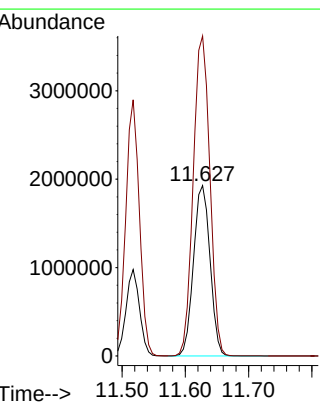
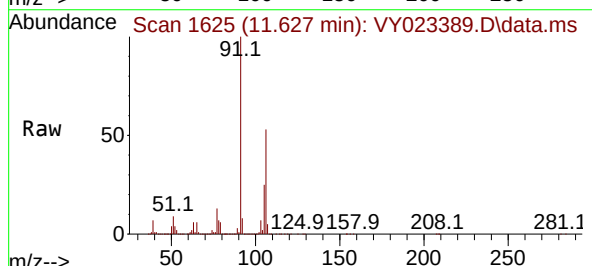
Acq: 07 Oct 2025 12:32

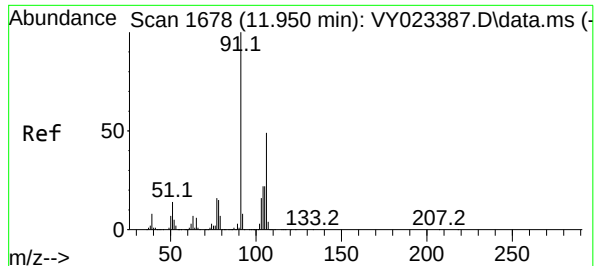
Tgt Ion:106 Resp: 3502137

Ion Ratio Lower Upper

106 100

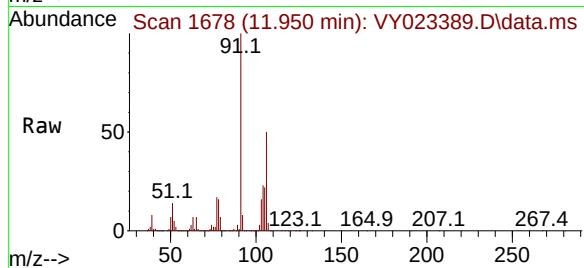
91 189.2 152.6 229.0





#69
o-Xylene
Concen: 168.295 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

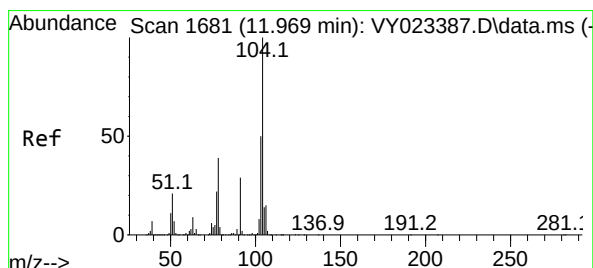
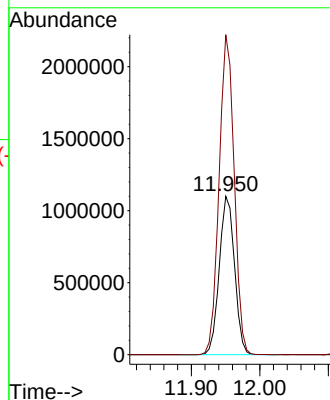
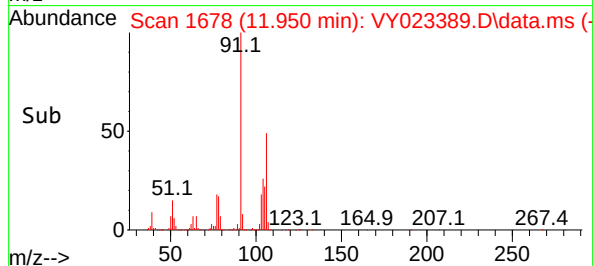
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:106 Resp: 169498
Ion Ratio Lower Upper
106 100
91 200.0 101.4 304.1

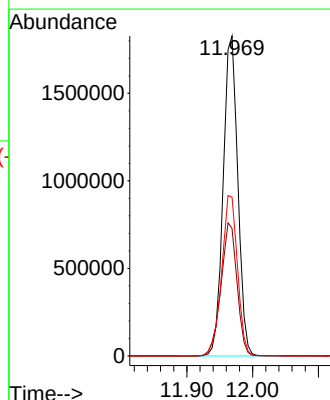
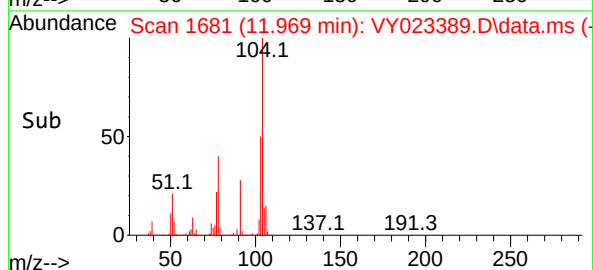
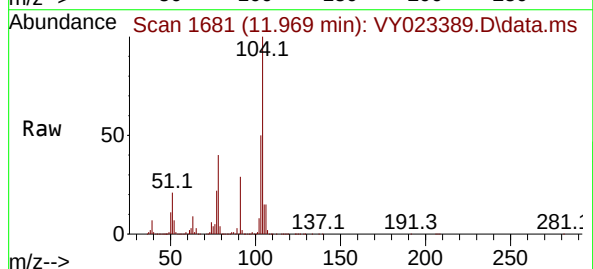
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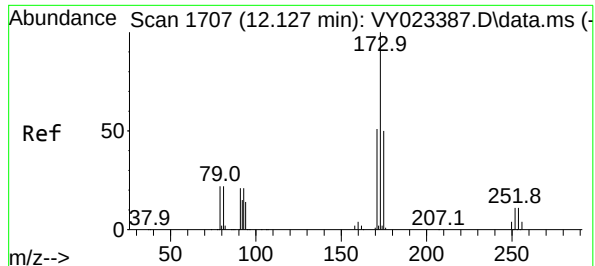
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
Styrene
Concen: 170.203 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

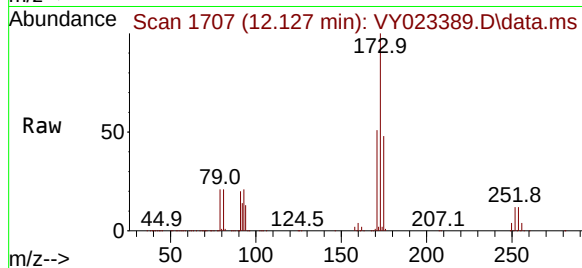
Tgt Ion:104 Resp: 2830398
Ion Ratio Lower Upper
104 100
78 45.5 36.1 54.1
103 54.3 43.2 64.8





#71
Bromoform
Concen: 172.115 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

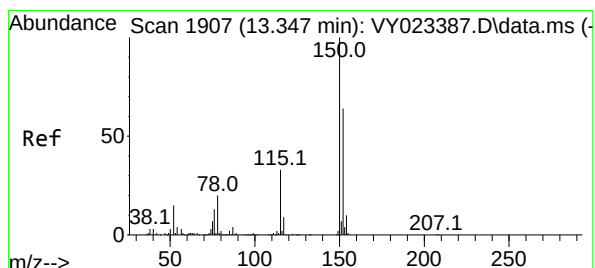
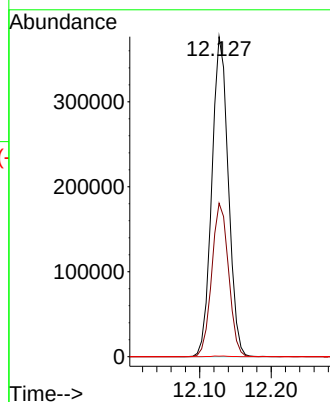
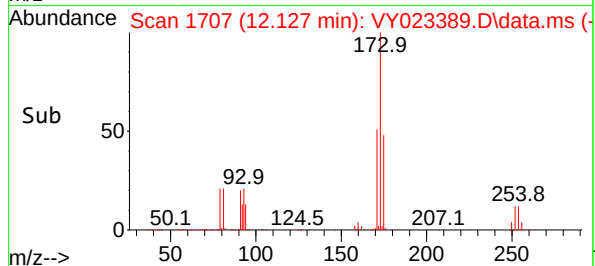
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



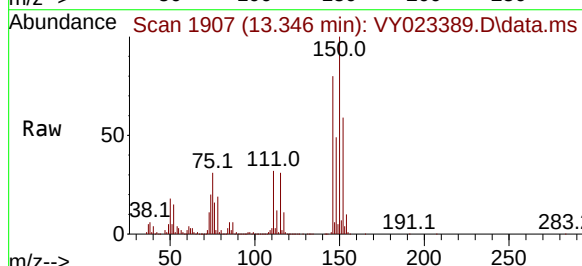
Tgt Ion:173 Resp: 602644
Ion Ratio Lower Upper
173 100
175 48.9 24.8 74.3
254 0.2 0.1 0.1

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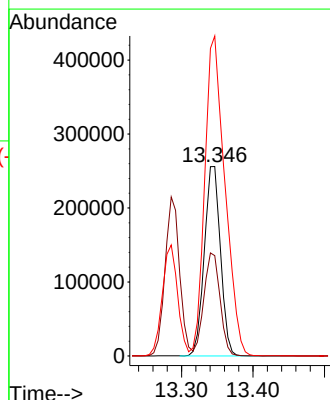
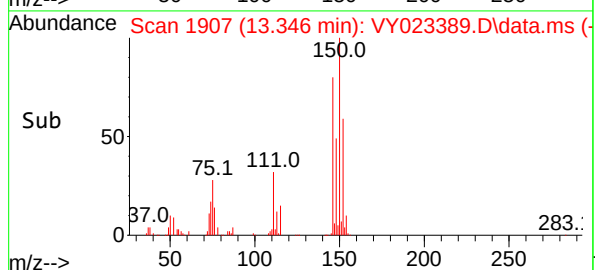
Reviewed By :Semsettin Yesilyurt 10/10/2025
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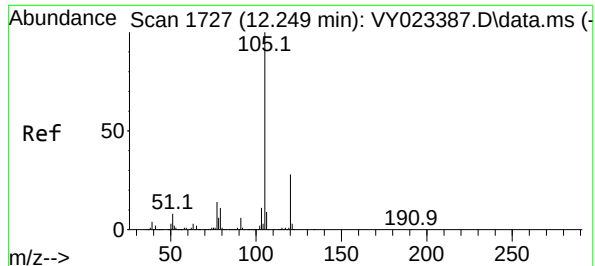


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32



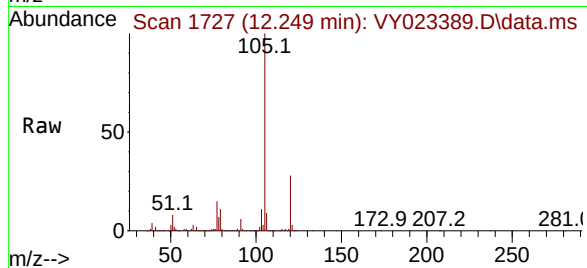
Tgt Ion:152 Resp: 402368
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 210.4 0.0 347.4





#73
Isopropylbenzene
Concen: 160.084 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

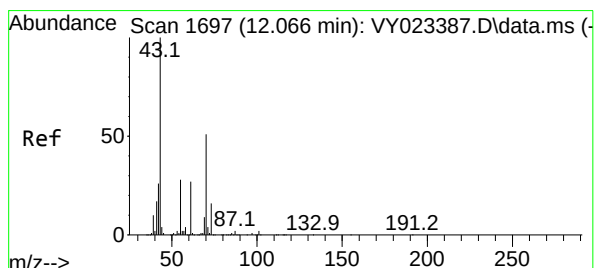
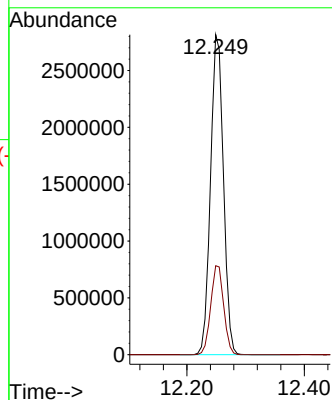
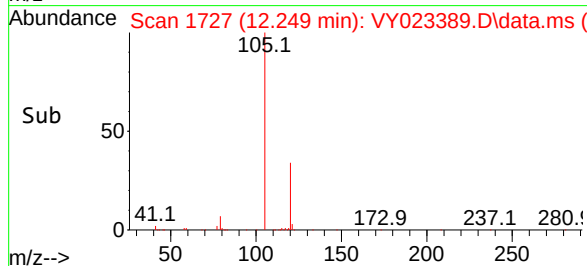
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 4290662
Ion Ratio Lower Upper
105 100
120 27.9 13.9 41.7

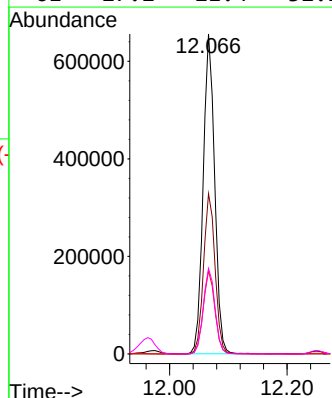
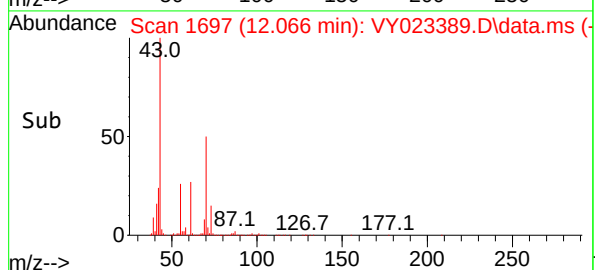
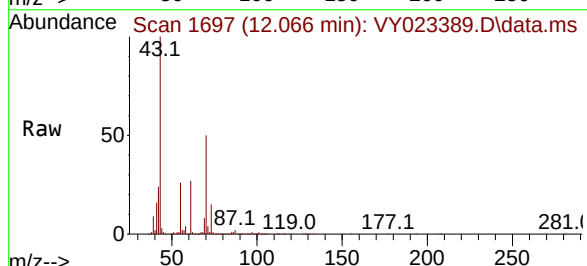
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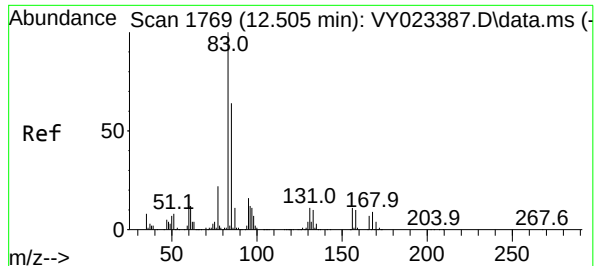
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 177.866 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 890882
Ion Ratio Lower Upper
43 100
70 50.6 41.1 61.7
55 26.4 23.0 34.6
61 27.2 21.4 32.2





#75

1,1,2-Tetrachloroethane

Concen: 165.010 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 73777

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.6

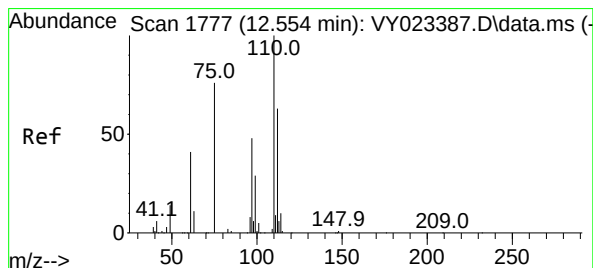
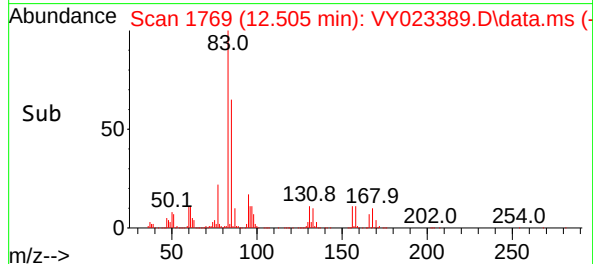
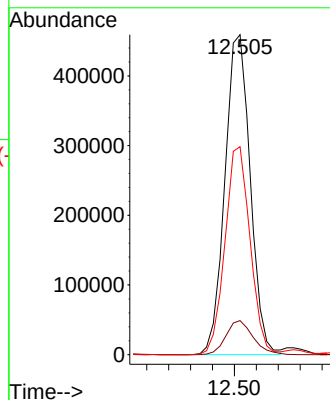
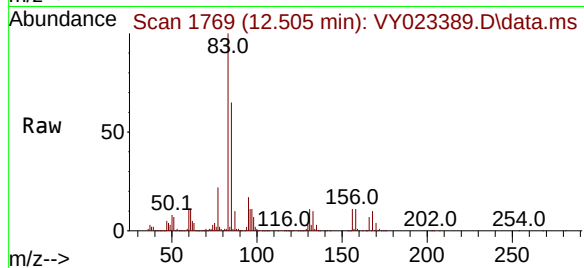
85 64.4 31.8 95.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

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#76

1,2,3-Trichloropropane

Concen: 142.542 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023389.D

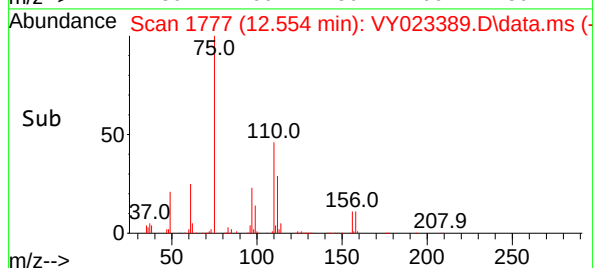
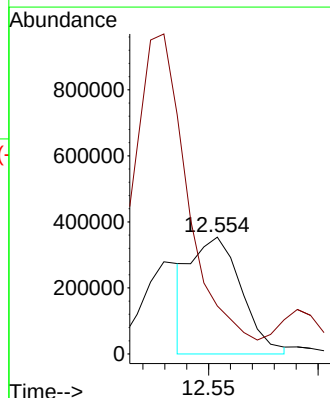
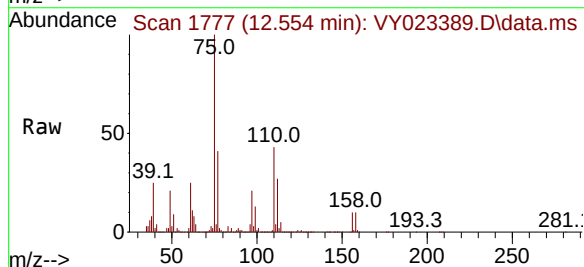
Acq: 07 Oct 2025 12:32

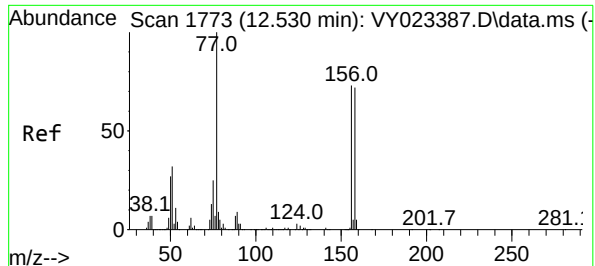
Tgt Ion: 75 Resp: 565754

Ion Ratio Lower Upper

75 100

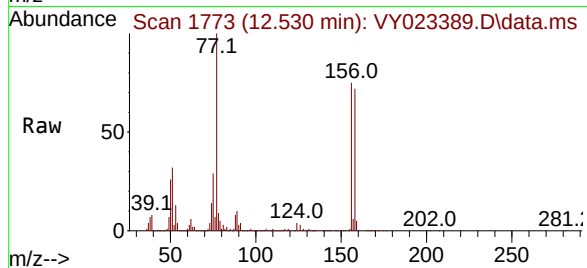
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 161.555 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

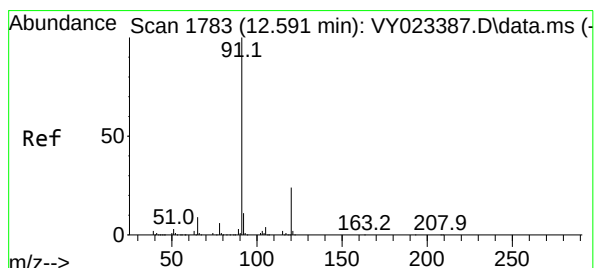
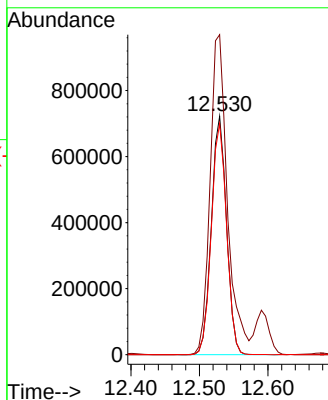
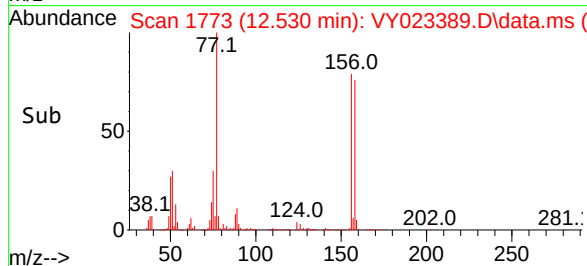
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:156 Resp: 1111318
Ion Ratio Lower Upper
156 100
77 153.9 76.8 230.5
158 97.4 49.0 147.2

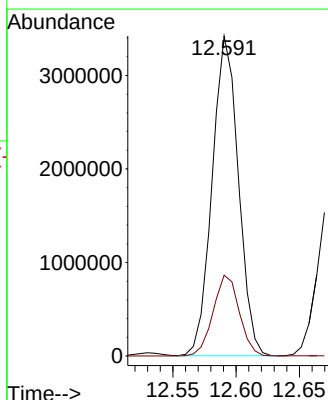
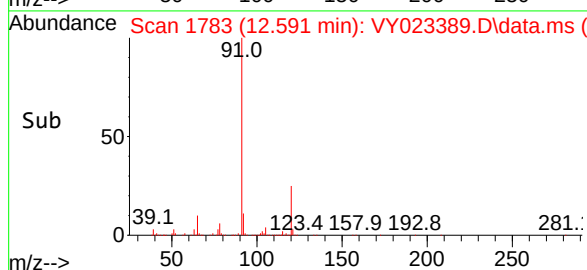
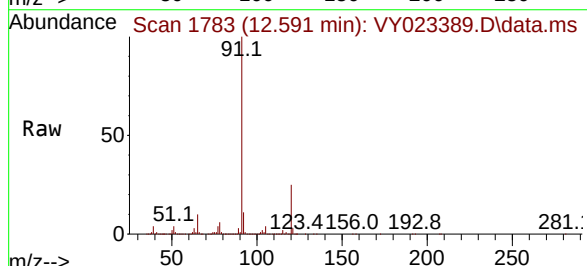
Manual Integrations
APPROVED

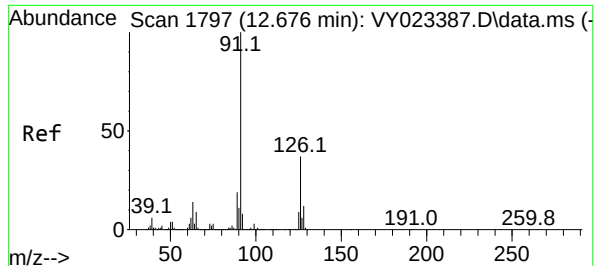
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 156.465 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 4932015
Ion Ratio Lower Upper
91 100
120 25.1 12.3 36.8





#79

2-Chlorotoluene

Concen: 155.063 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 2822049

Ion Ratio Lower Upper

91 100

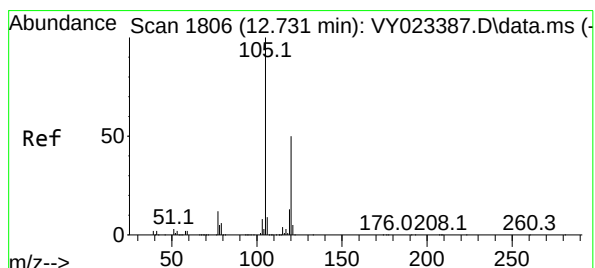
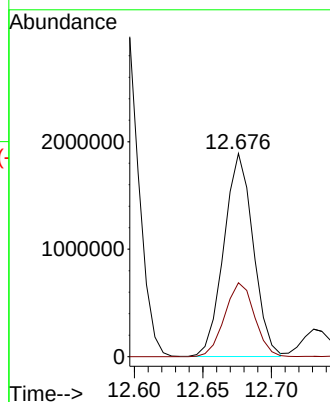
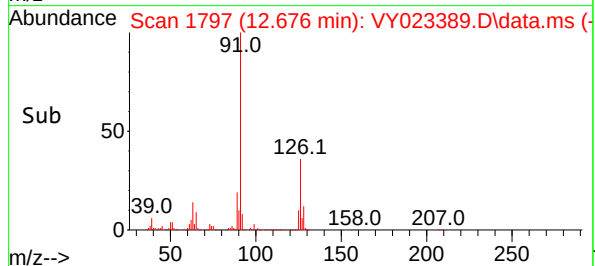
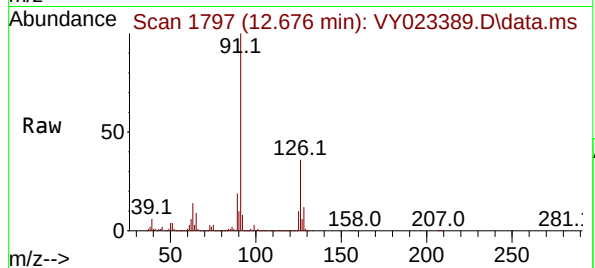
126 37.1 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 160.460 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023389.D

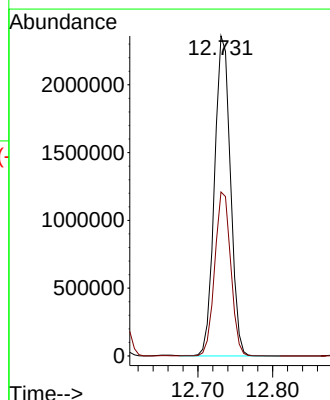
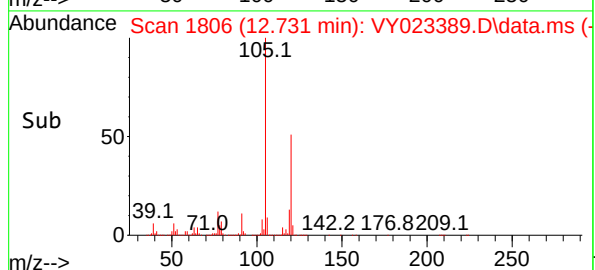
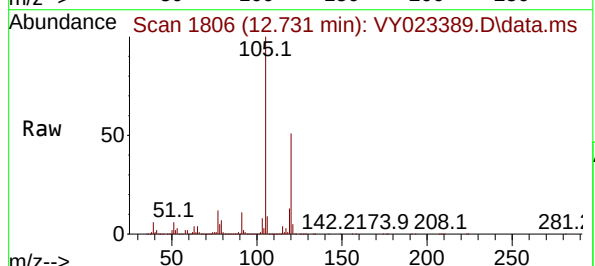
Acq: 07 Oct 2025 12:32

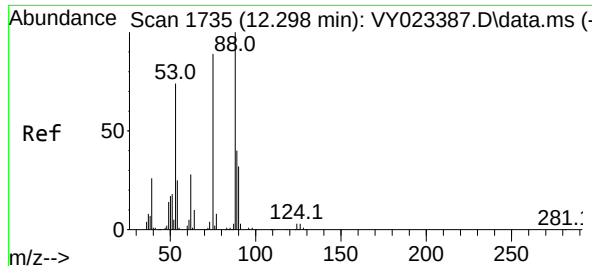
Tgt Ion:105 Resp: 3496249

Ion Ratio Lower Upper

105 100

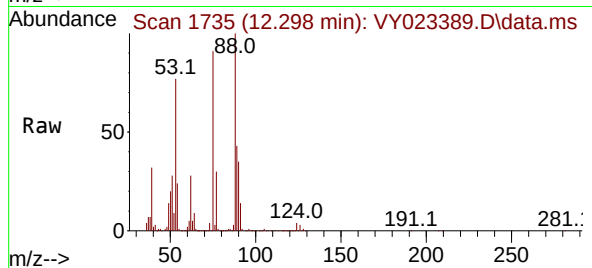
120 51.4 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 166.570 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

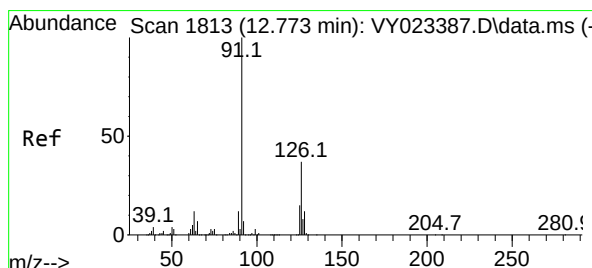
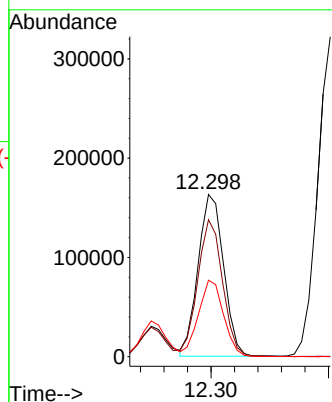
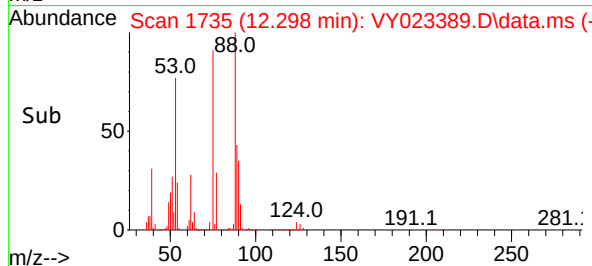
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 245190
Ion Ratio Lower Upper
75 100
53 83.6 68.6 102.8
89 46.8 39.0 58.4

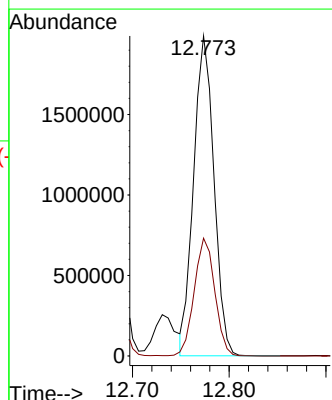
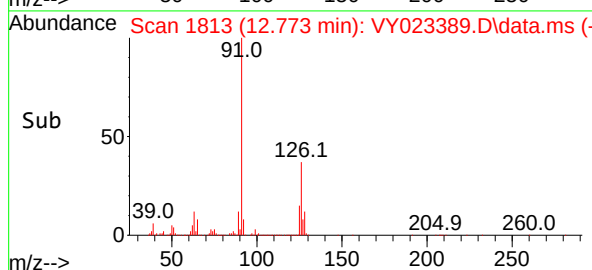
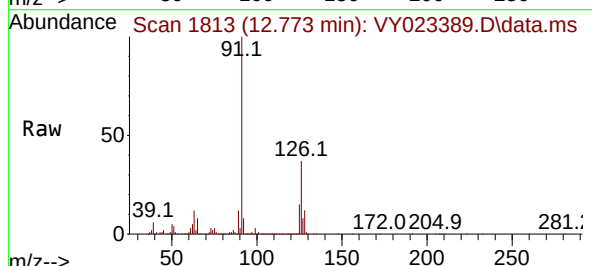
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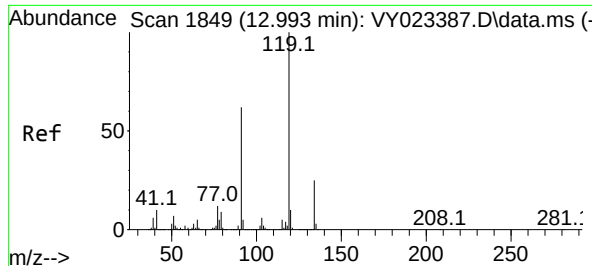
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 152.701 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

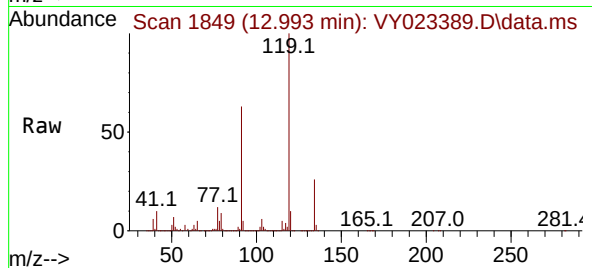
Tgt Ion: 91 Resp: 2902371
Ion Ratio Lower Upper
91 100
126 37.3 18.4 55.4





#83
tert-Butylbenzene
Concen: 162.197 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

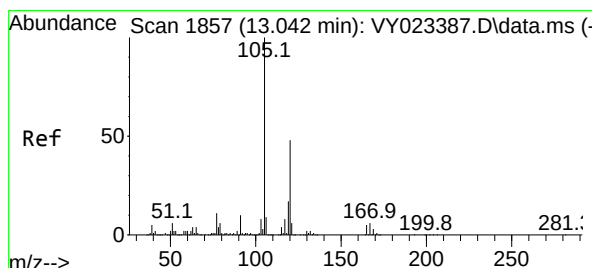
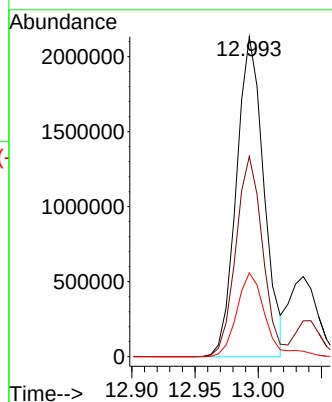
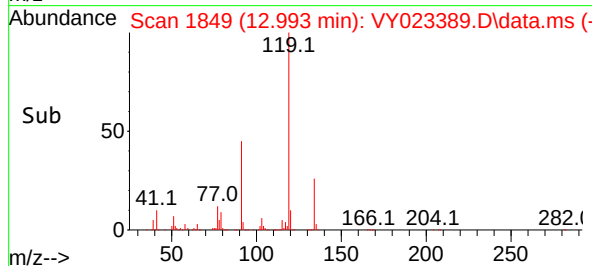
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



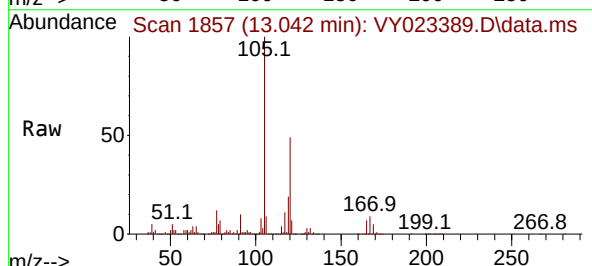
Tgt Ion:119 Resp: 3220384
Ion Ratio Lower Upper
119 100
91 61.6 29.9 89.8
134 27.4 12.9 38.7

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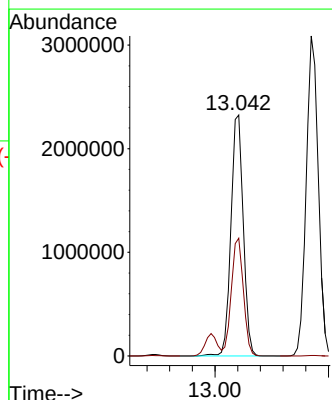
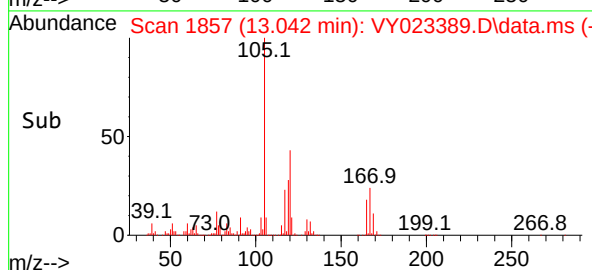
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

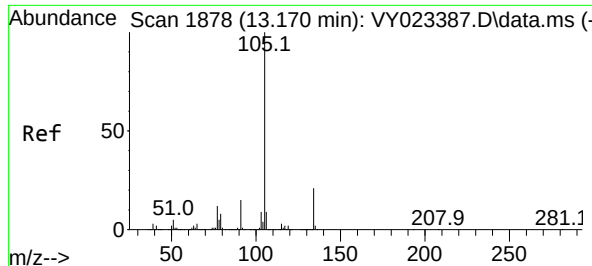


#84
1,2,4-Trimethylbenzene
Concen: 162.527 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32



Tgt Ion:105 Resp: 3503639
Ion Ratio Lower Upper
105 100
120 47.9 23.8 71.2





#85

sec-Butylbenzene

Concen: 158.609 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 456071

Ion Ratio Lower Upper

105 100

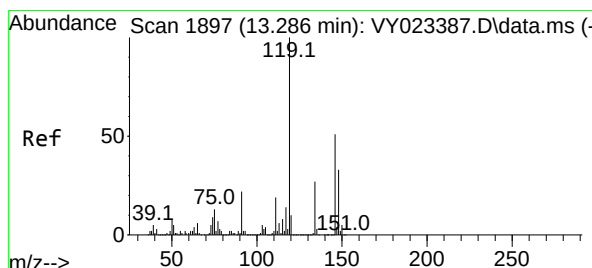
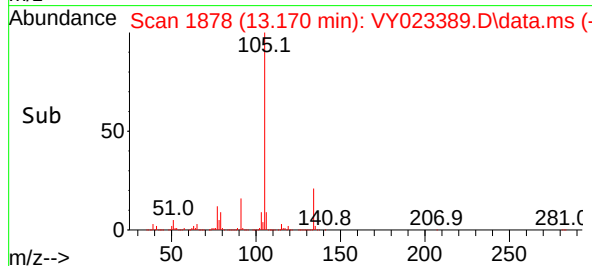
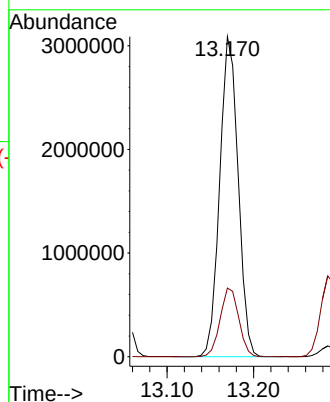
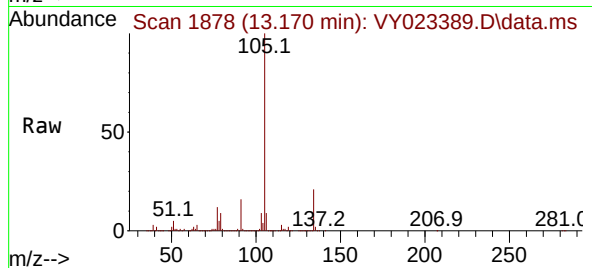
134 21.6 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 165.622 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

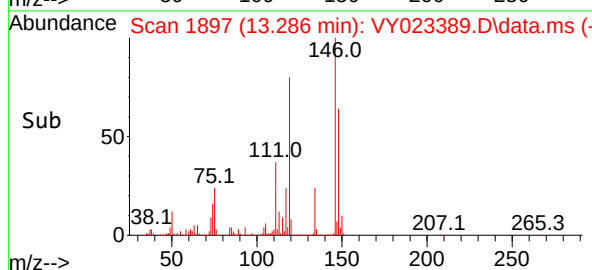
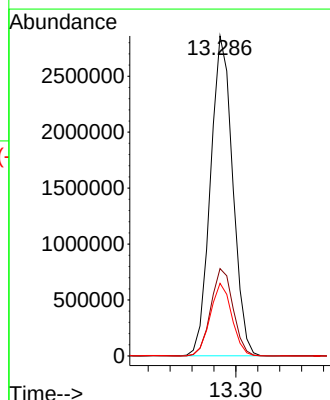
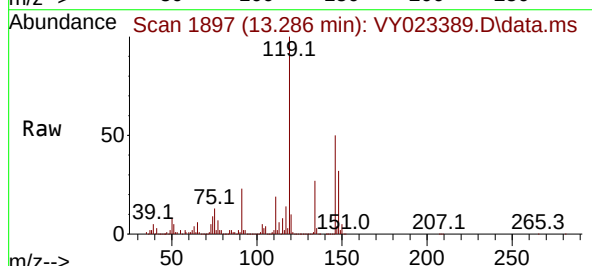
Tgt Ion:119 Resp: 4024712

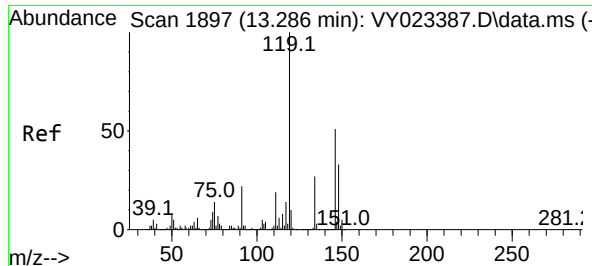
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 22.1 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 159.350 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 2165278

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

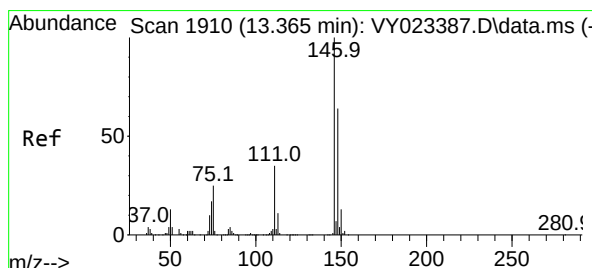
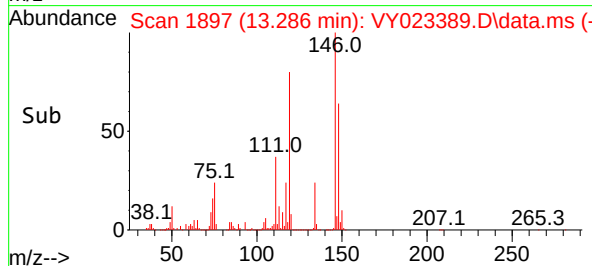
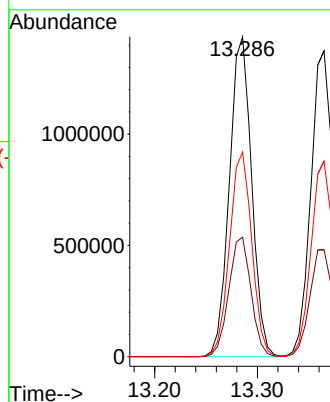
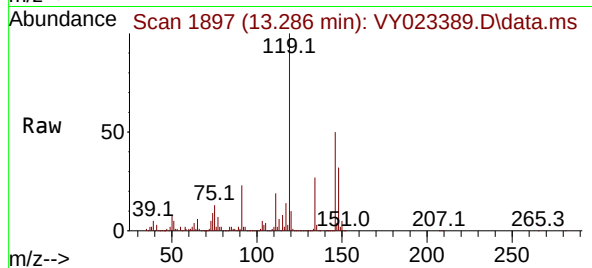
148 64.0 31.9 95.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 155.104 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

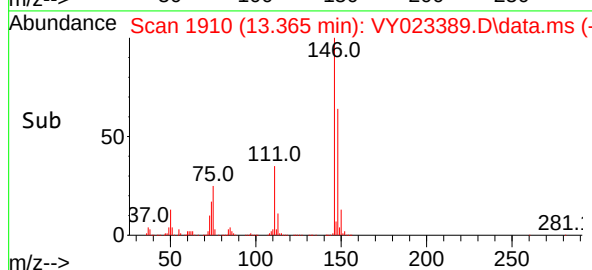
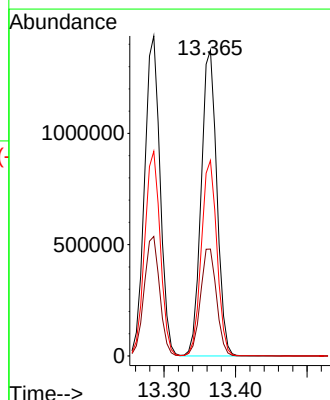
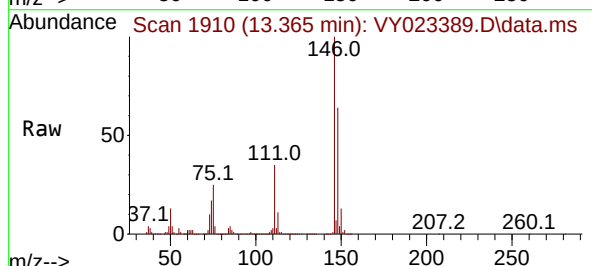
Tgt Ion:146 Resp: 2090133

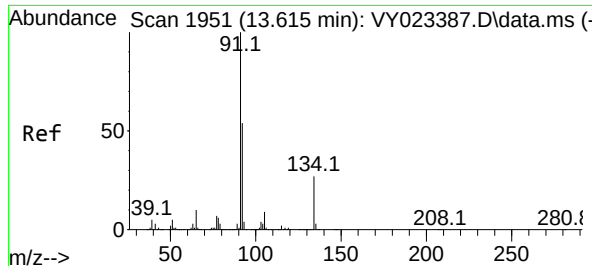
Ion Ratio Lower Upper

146 100

111 35.8 18.0 54.0

148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 163.379 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023389.D

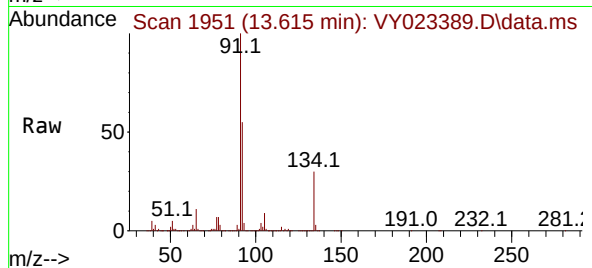
Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150



Tgt Ion: 91 Resp: 350571

Ion Ratio Lower Upper

91 100

92 54.6 27.0 80.8

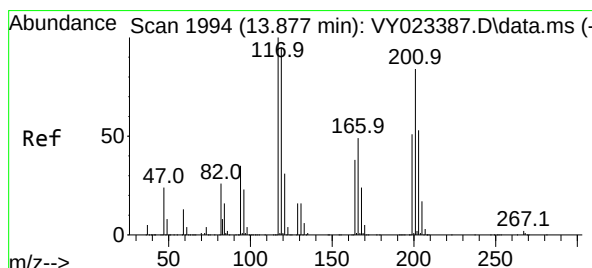
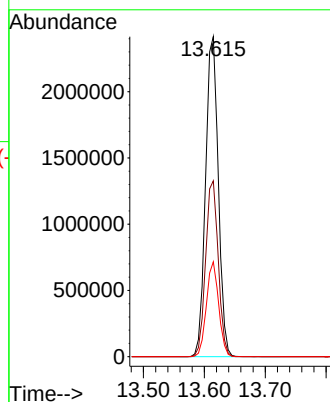
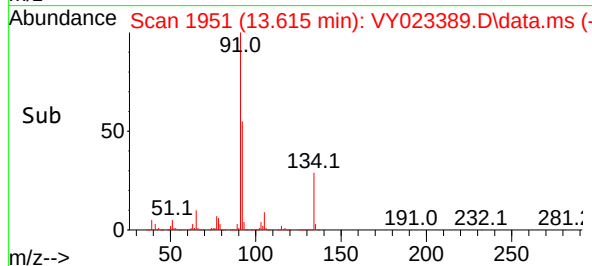
134 28.6 14.1 42.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 151.487 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023389.D

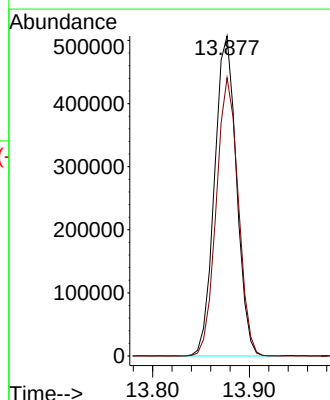
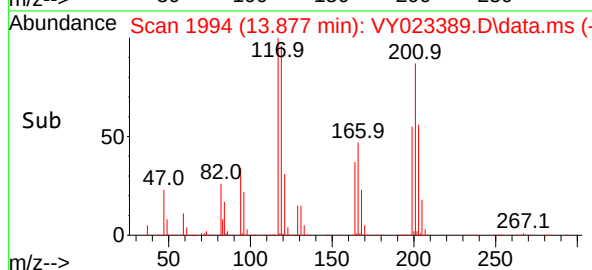
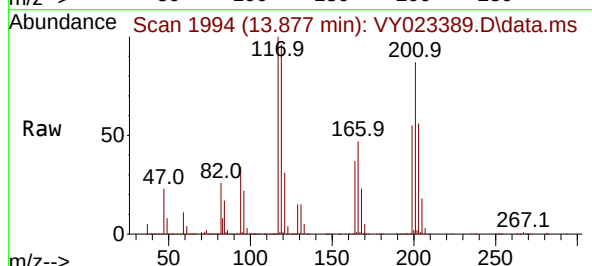
Acq: 07 Oct 2025 12:32

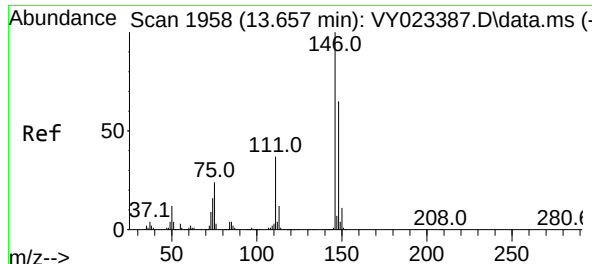
Tgt Ion:117 Resp: 799264

Ion Ratio Lower Upper

117 100

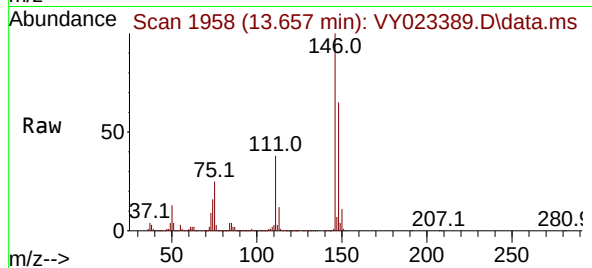
201 86.8 43.8 131.4





#91
1,2-Dichlorobenzene
Concen: 157.101 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

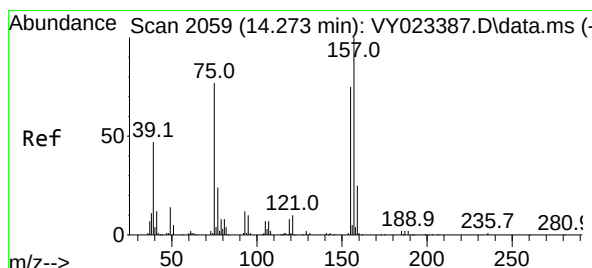
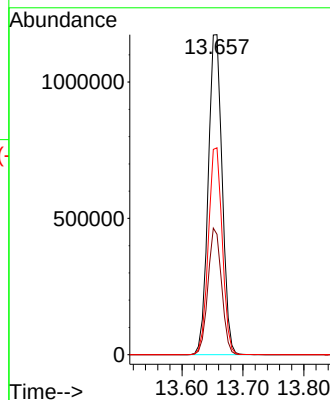
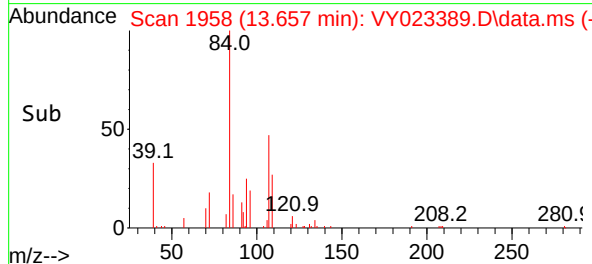
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:146 Resp: 186269
Ion Ratio Lower Upper
146 100
111 38.7 19.0 57.0
148 64.5 32.1 96.3

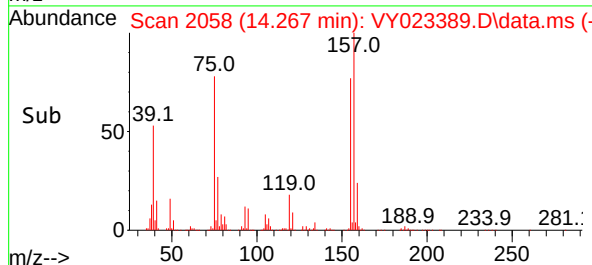
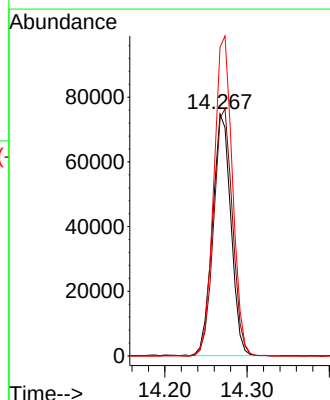
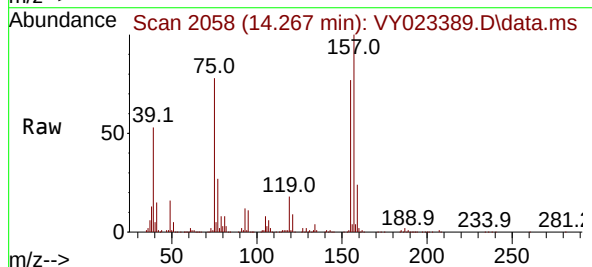
Manual Integrations
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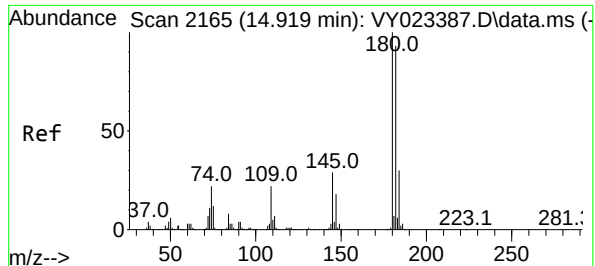
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 164.099 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 116273
Ion Ratio Lower Upper
75 100
155 103.6 50.0 150.0
157 133.4 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 182.183 ug/l

RT: 14.913 min Scan# 2165

Delta R.T. -0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 127262

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

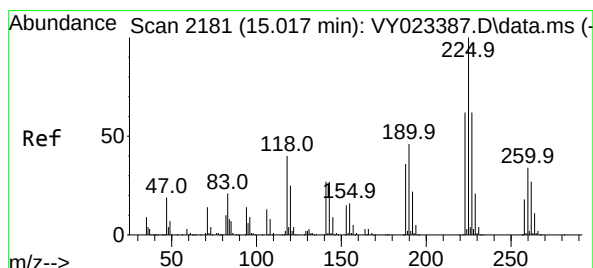
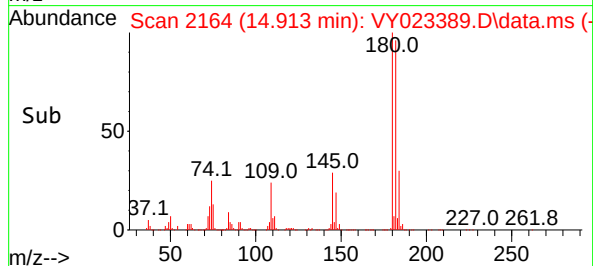
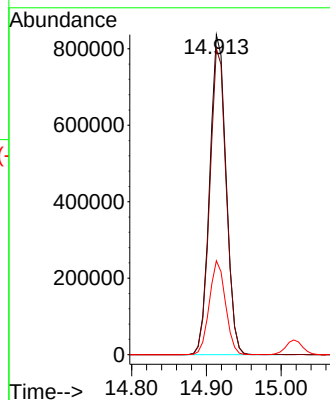
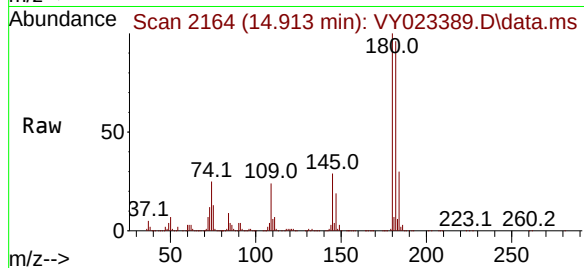
145 28.9 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

Concen: 163.518 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

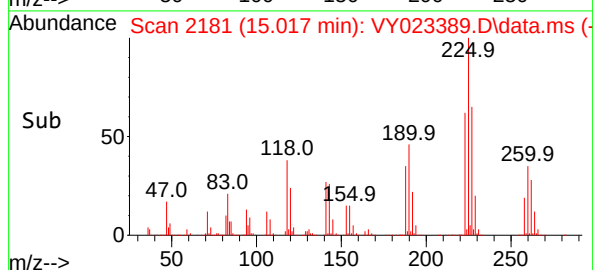
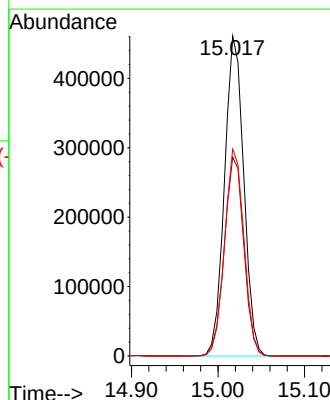
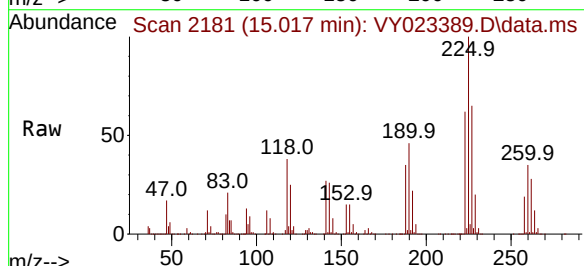
Tgt Ion:225 Resp: 711748

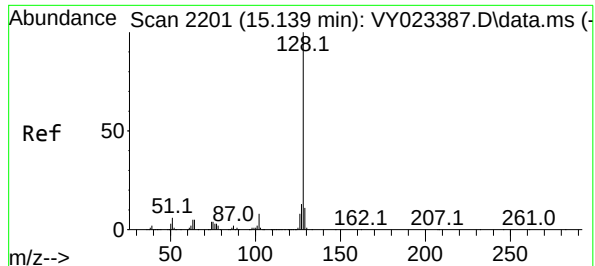
Ion Ratio Lower Upper

225 100

223 62.9 30.8 92.3

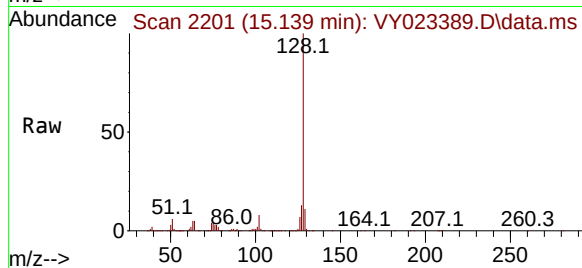
227 65.0 31.9 95.7





#95
Naphthalene
Concen: 204.639 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

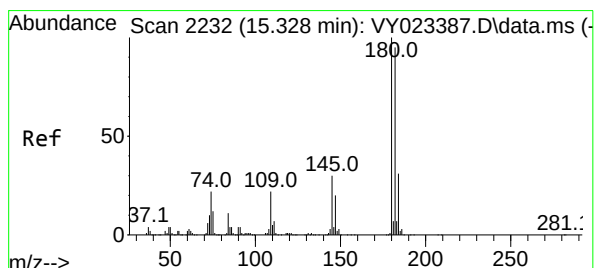
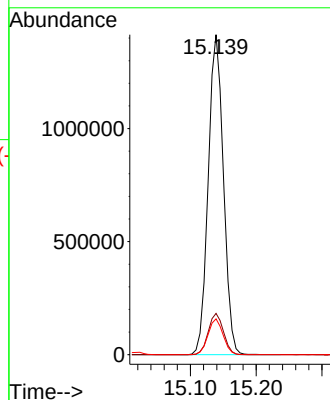
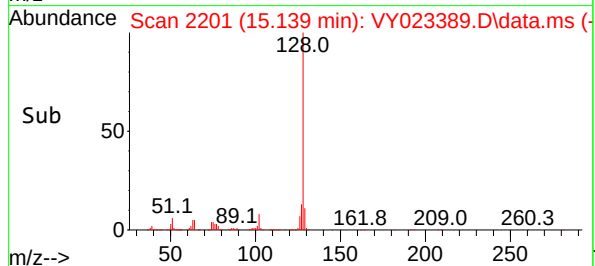
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



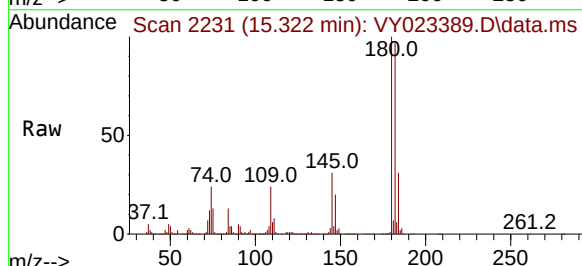
Tgt Ion:128 Resp: 2277549
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.9 13.3

Manual Integrations
APPROVED

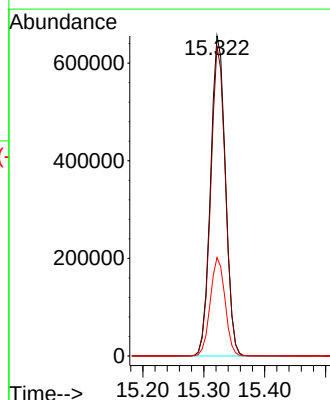
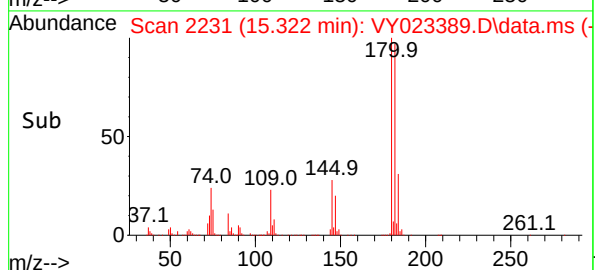
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 183.206 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32



Tgt Ion:180 Resp: 1110193
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.8
145 30.5 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023391.D
 Acq On : 07 Oct 2025 14:12
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100725

Quant Time: Oct 08 05:15:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	861639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	771372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237493	49.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.900%		
35) Dibromofluoromethane	7.634	113	260038	49.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.240%		
50) Toluene-d8	10.103	98	970614	49.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.402	95	324700	49.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	185683	44.916	ug/l	99
3) Chloromethane	2.068	50	295766	52.519	ug/l	98
4) Vinyl Chloride	2.208	62	362714	49.449	ug/l	100
5) Bromomethane	2.598	94	300735	48.856	ug/l	98
6) Chloroethane	2.739	64	256831	51.367	ug/l	99
7) Trichlorofluoromethane	3.056	101	494789	48.582	ug/l	99
8) Diethyl Ether	3.458	74	135857	51.050	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	257524	48.728	ug/l	100
10) Methyl Iodide	4.007	142	305209	51.875	ug/l	98
11) Tert butyl alcohol	4.860	59	82562	231.079	ug/l	100
12) 1,1-Dichloroethene	3.787	96	254382	49.653	ug/l	97
13) Acrolein	3.653	56	124288	246.184	ug/l	99
14) Allyl chloride	4.385	41	316213	50.645	ug/l	99
15) Acrylonitrile	5.055	53	256219	251.575	ug/l	99
16) Acetone	3.866	43	243433	212.910	ug/l	98
17) Carbon Disulfide	4.104	76	733457	50.021	ug/l	100
18) Methyl Acetate	4.385	43	151281	50.439	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	643111	52.230	ug/l	97
20) Methylene Chloride	4.616	84	324604	52.503	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	290384	51.482	ug/l	98
22) Diisopropyl ether	6.019	45	709381	51.364	ug/l	99
23) Vinyl Acetate	5.958	43	1950969	260.981	ug/l	99
24) 1,1-Dichloroethane	5.915	63	464207	50.742	ug/l	98
25) 2-Butanone	6.890	43	325351	233.083	ug/l	99
26) 2,2-Dichloropropane	6.884	77	416585	49.626	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	341964	52.485	ug/l	97
28) Bromochloromethane	7.244	49	155146	45.427	ug/l	100
29) Tetrahydrofuran	7.262	42	200513	253.317	ug/l	99
30) Chloroform	7.421	83	513997	51.137	ug/l	98
31) Cyclohexane	7.701	56	378819	47.416	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	456112	49.934	ug/l	100
36) 1,1-Dichloropropene	7.835	75	348786	49.761	ug/l	99
37) Ethyl Acetate	6.982	43	138119	49.740	ug/l	98
38) Carbon Tetrachloride	7.817	117	413653	48.671	ug/l	99
39) Methylcyclohexane	9.109	83	456031	49.970	ug/l	99
40) Benzene	8.079	78	1107790	49.906	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023391.D
 Acq On : 07 Oct 2025 14:12
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100725

Quant Time: Oct 08 05:15:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	72100	48.008	ug/l	96
42) 1,2-Dichloroethane	8.158	62	282332	49.318	ug/l	99
43) Isopropyl Acetate	8.195	43	279887	50.548	ug/l	100
44) Trichloroethene	8.866	130	319131	49.120	ug/l	98
45) 1,2-Dichloropropane	9.140	63	246887	50.355	ug/l	100
46) Dibromomethane	9.231	93	157758	50.885	ug/l	98
47) Bromodichloromethane	9.420	83	393918	50.450	ug/l	99
48) Methyl methacrylate	9.219	41	128606	49.440	ug/l	95
49) 1,4-Dioxane	9.231	88	37356	1039.252	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	724992	253.421	ug/l	100
52) Toluene	10.170	92	743055	51.556	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	347336	51.160	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	413860	51.649	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	210245	50.430	ug/l	97
56) Ethyl methacrylate	10.438	69	256731	53.385	ug/l	99
57) 1,3-Dichloropropane	10.713	76	337673	51.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	586266	272.133	ug/l	100
59) 2-Hexanone	10.762	43	501877	245.480	ug/l	99
60) Dibromochloromethane	10.908	129	297946	50.974	ug/l	99
61) 1,2-Dibromoethane	11.018	107	201415	50.658	ug/l	100
64) Tetrachloroethene	10.646	164	382998	48.087	ug/l	99
65) Chlorobenzene	11.438	112	828466	49.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	296157	49.537	ug/l	99
67) Ethyl Benzene	11.518	91	1380691	50.841	ug/l	100
68) m/p-Xylenes	11.627	106	1108386	101.757	ug/l	100
69) o-Xylene	11.950	106	526954	51.577	ug/l	100
70) Styrene	11.969	104	875709	52.122	ug/l	100
71) Bromoform	12.133	173	185682	50.070	ug/l #	98
73) Isopropylbenzene	12.255	105	1345109	50.318	ug/l	100
74) N-amyl acetate	12.066	43	245291	51.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	217245	49.688	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	153438m	42.874	ug/l	
77) Bromobenzene	12.530	156	352420	49.590	ug/l	99
78) n-propylbenzene	12.591	91	1568180	50.694	ug/l	100
79) 2-Chlorotoluene	12.676	91	906610	50.047	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1106664	51.231	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	67959	46.566	ug/l	97
82) 4-Chlorotoluene	12.773	91	941314	50.455	ug/l	100
83) tert-Butylbenzene	12.993	119	1037510	52.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1110672	51.520	ug/l	99
85) sec-Butylbenzene	13.176	105	1454774	50.848	ug/l	100
86) p-Isopropyltoluene	13.292	119	1263377	51.864	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	686854	49.632	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	671644	49.140	ug/l	100
89) n-Butylbenzene	13.615	91	1100086	51.829	ug/l	99
90) Hexachloroethane	13.877	117	257335	49.116	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	602989	49.698	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34928	48.687	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	386806	51.138	ug/l	100
94) Hexachlorobutadiene	15.023	225	236040	50.061	ug/l	99
95) Naphthalene	15.139	128	628190	52.154	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	335267	51.172	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

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

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023391.D
 Acq On : 07 Oct 2025 14:12
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

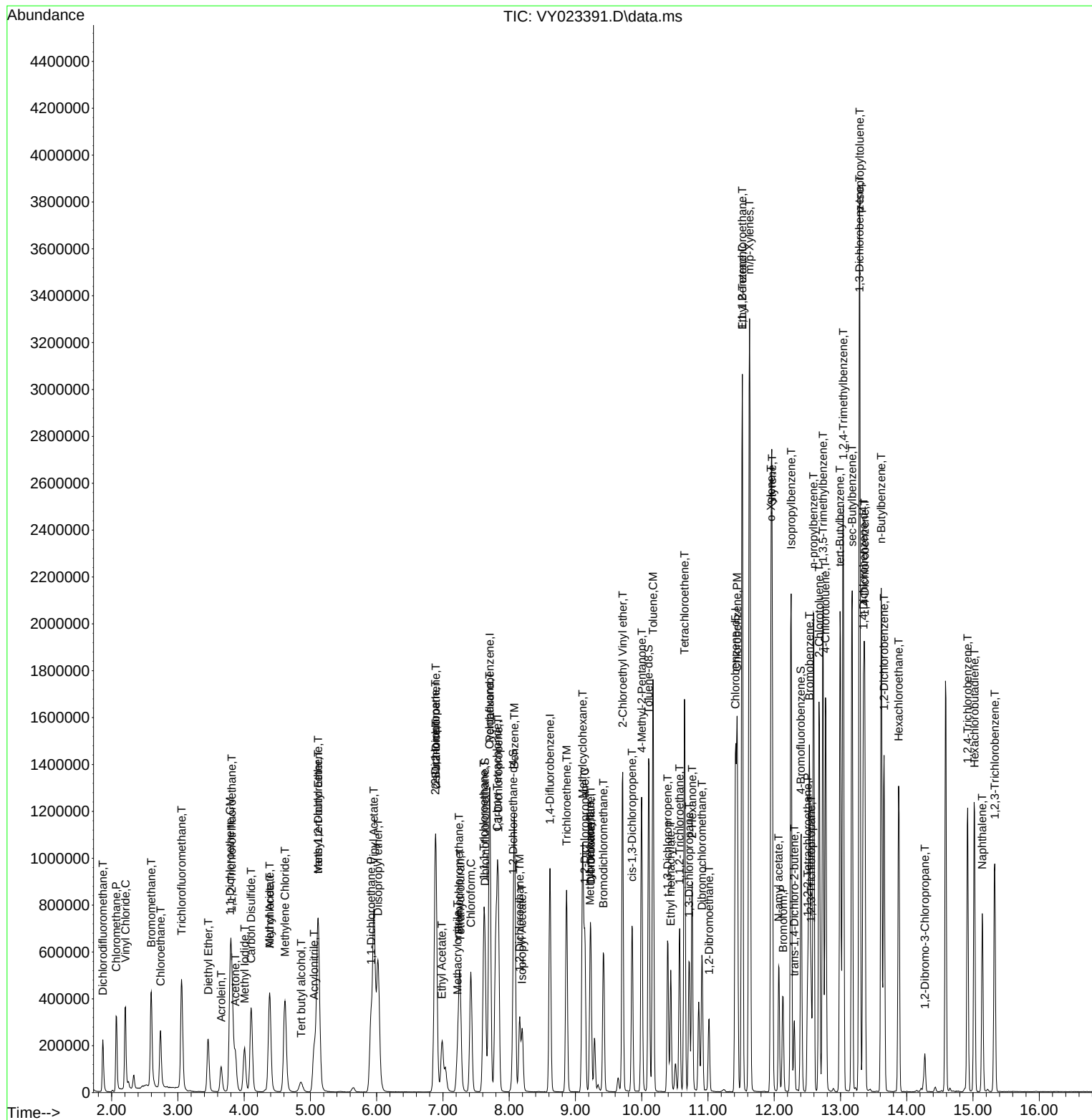
ICVVY100725

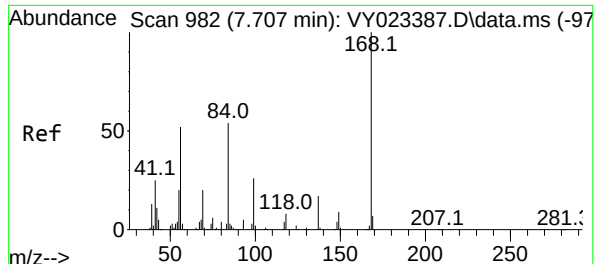
Manual Integrations

APPROVED

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

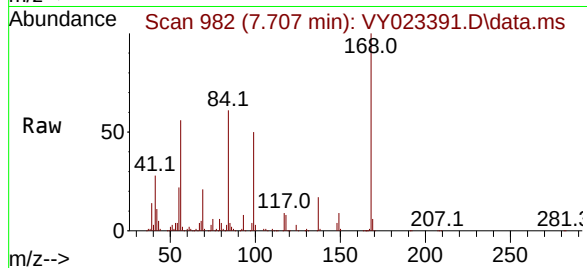
Quant Time: Oct 08 05:15:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

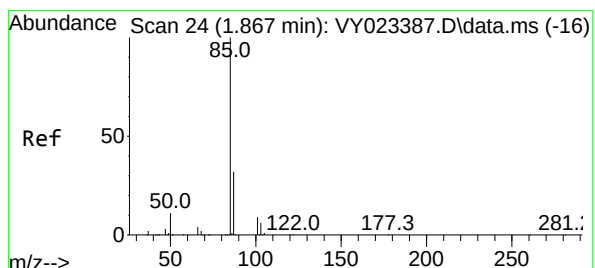
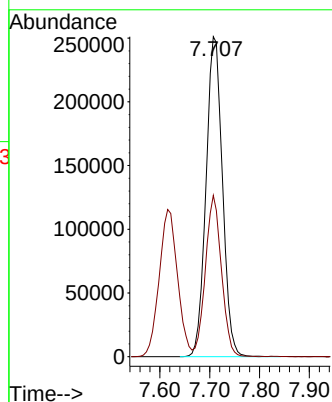
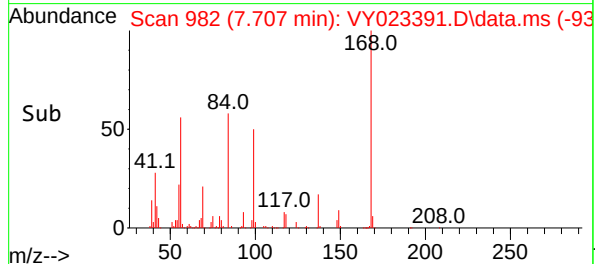
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 168 Resp: 57433
Ion Ratio Lower Upper
168 100
99 50.4 39.7 59.5

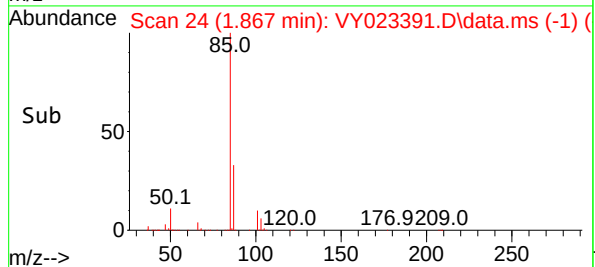
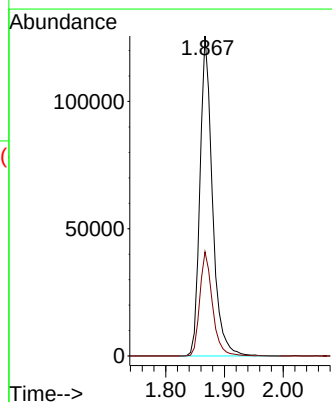
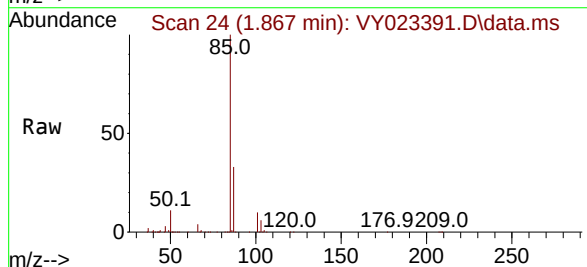
Manual Integrations
APPROVED

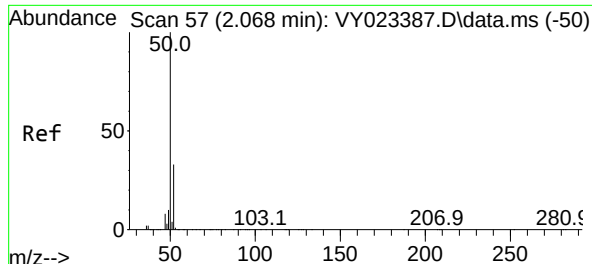
Reviewed By : Semsettin Yesilyurt 10/10/2025
Supervised By : Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 44.916 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

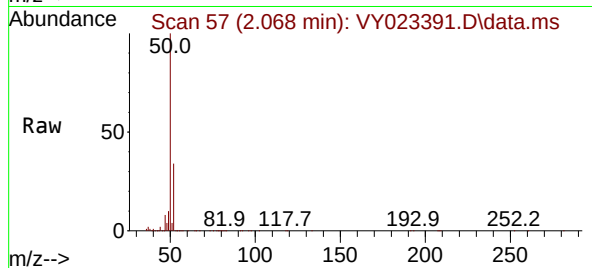
Tgt Ion: 85 Resp: 185683
Ion Ratio Lower Upper
85 100
87 32.6 16.0 47.9





#3
Chloromethane
Concen: 52.519 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

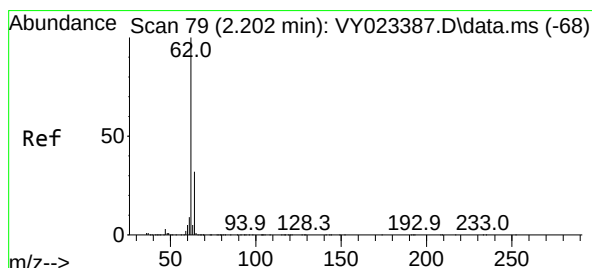
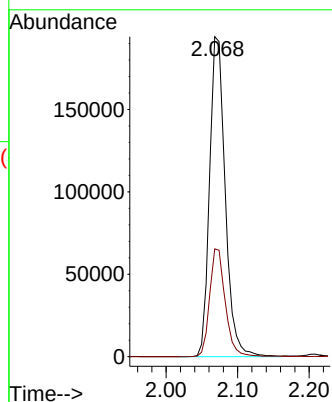
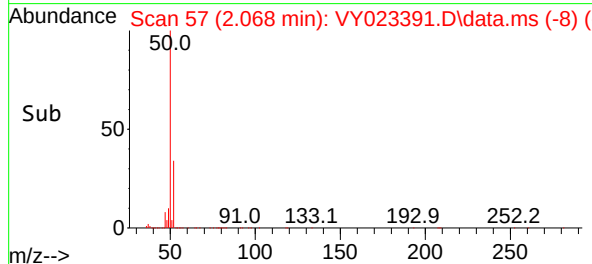
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



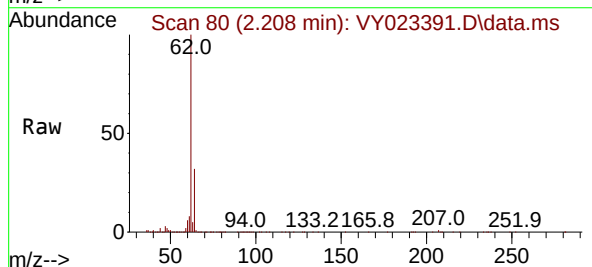
Tgt Ion: 50 Resp: 295760
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.2

Manual Integrations
APPROVED

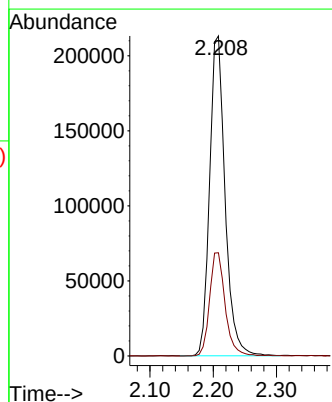
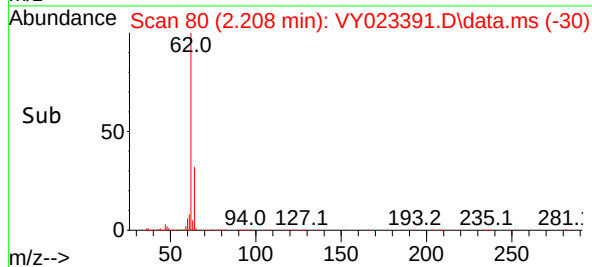
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

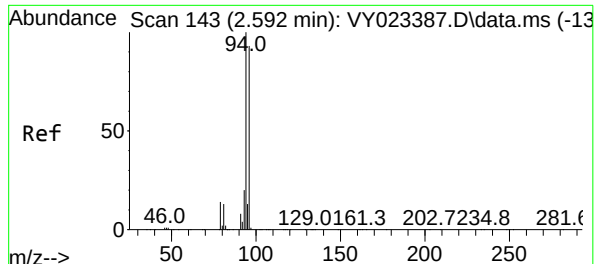


#4
Vinyl Chloride
Concen: 49.449 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12



Tgt Ion: 62 Resp: 362714
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.8





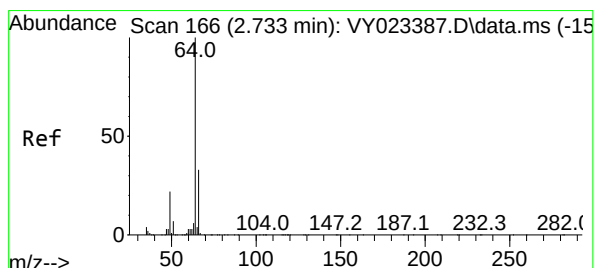
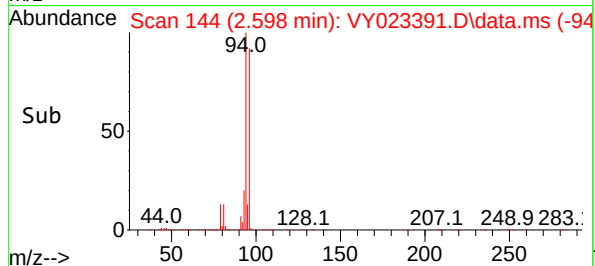
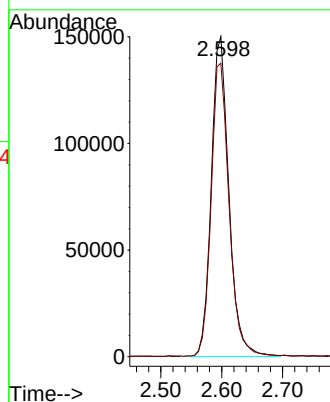
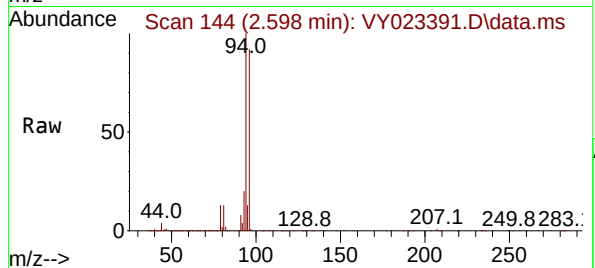
#5
Bromomethane
Concen: 48.856 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Tgt Ion: 94 Resp: 300735
Ion Ratio Lower Upper
94 100
96 91.5 74.5 111.7

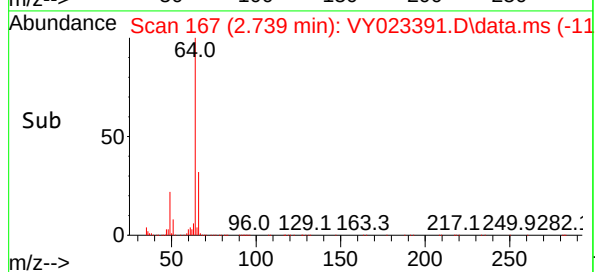
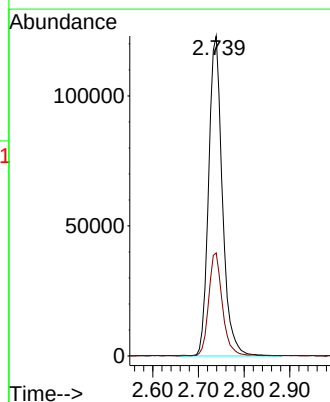
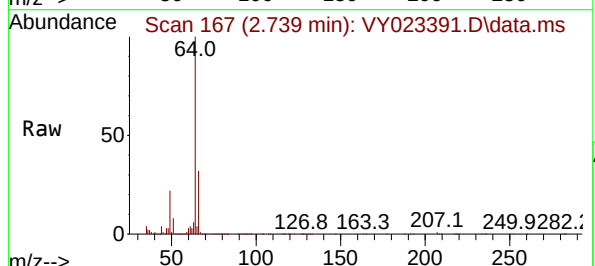
Manual Integrations
APPROVED

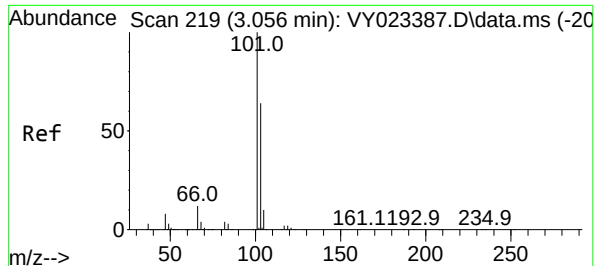
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#6
Chloroethane
Concen: 51.367 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

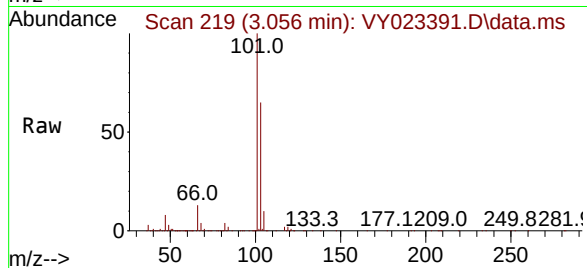
Tgt Ion: 64 Resp: 256831
Ion Ratio Lower Upper
64 100
66 32.1 26.2 39.4





#7
Trichlorofluoromethane
Concen: 48.582 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

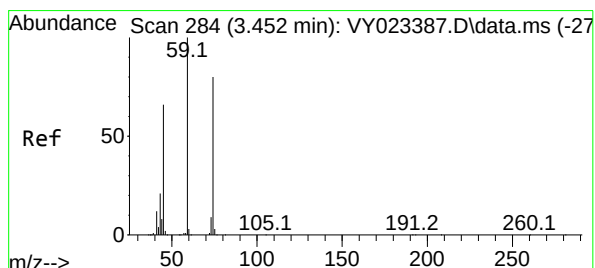
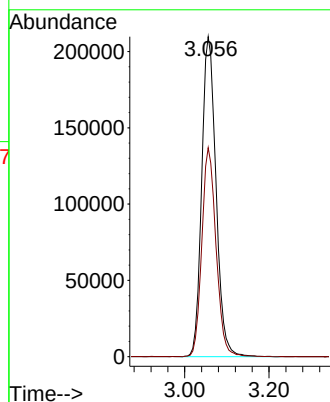
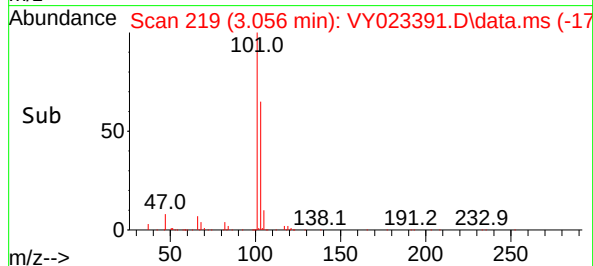
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion:101 Resp: 494789
Ion Ratio Lower Upper
101 100
103 65.3 51.3 76.9

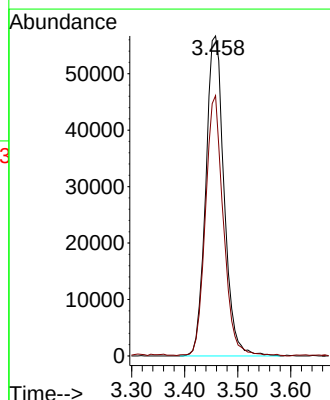
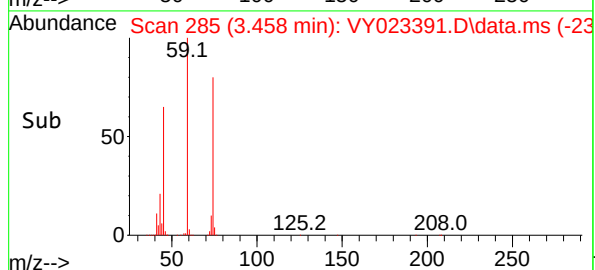
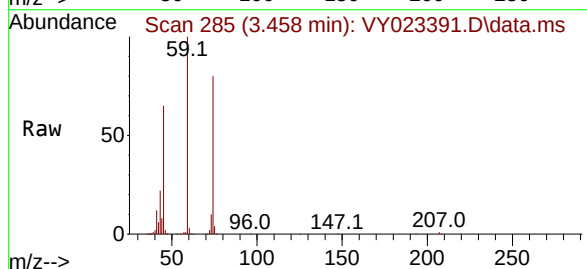
Manual Integrations
APPROVED

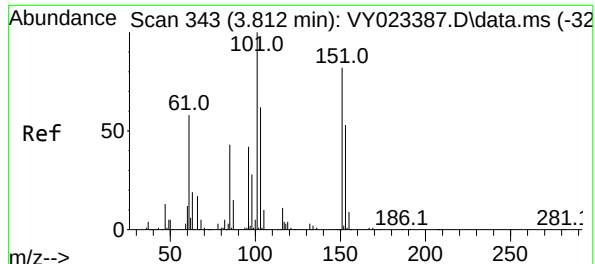
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Diethyl Ether
Concen: 51.050 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 74 Resp: 135857
Ion Ratio Lower Upper
74 100
45 80.1 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.728 ug/l

RT: 3.812 min Scan# 343

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

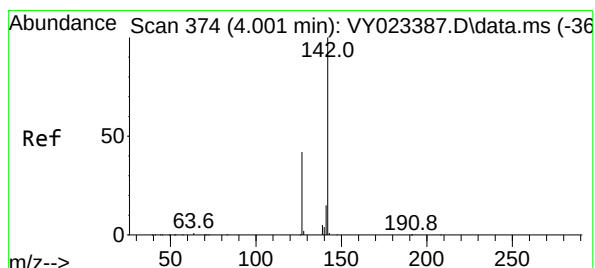
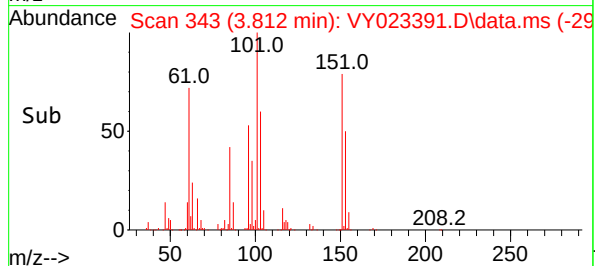
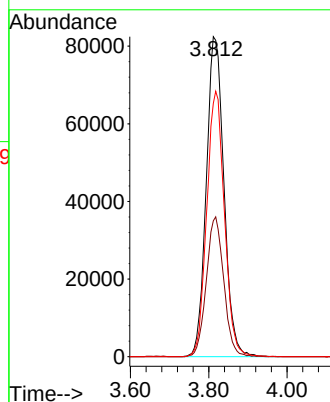
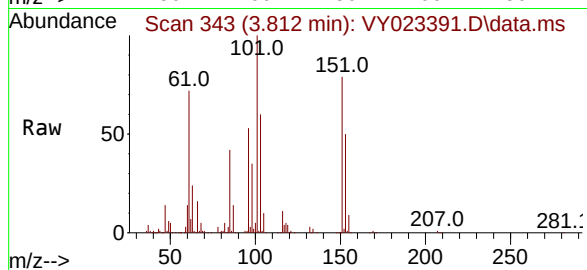
ICVY100725

Tgt Ion:	101	Resp:	257524
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.2	67.0	100.6

Manual Integrations

APPROVED

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



#10

Methyl Iodide

Concen: 51.875 ug/l

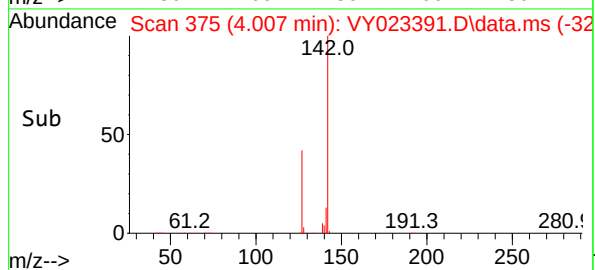
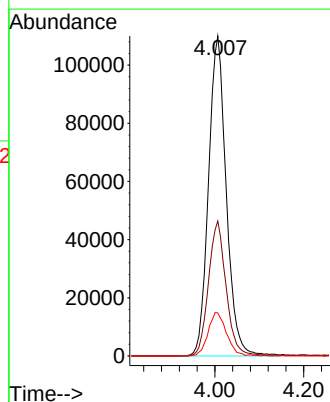
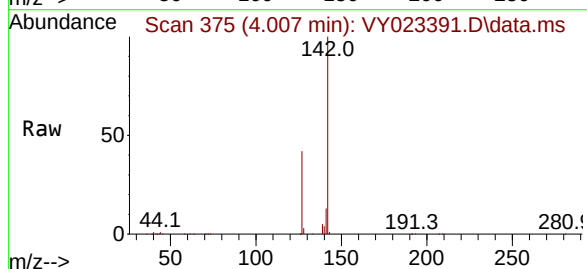
RT: 4.007 min Scan# 375

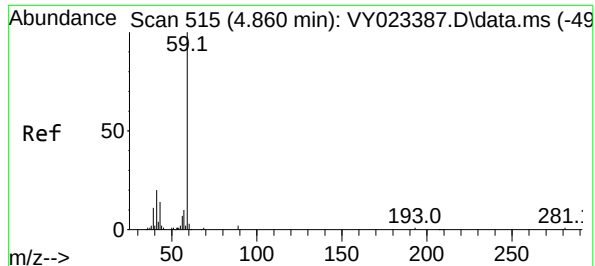
Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion:	142	Resp:	305209
Ion	Ratio	Lower	Upper
142	100		
127	41.8	34.8	52.2
141	14.1	11.6	17.4





#11

Tert butyl alcohol

Concen: 231.079 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 59 Resp: 82562

Ion Ratio Lower Upper

59 100

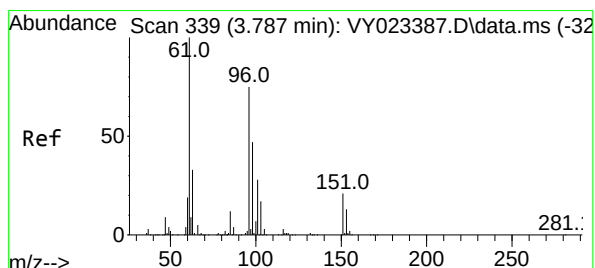
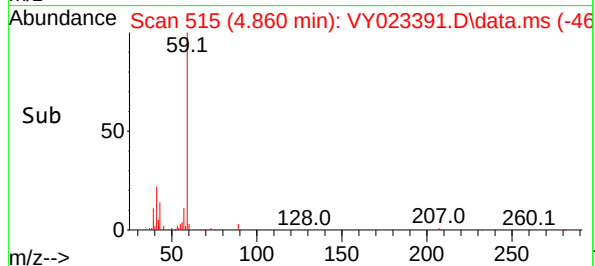
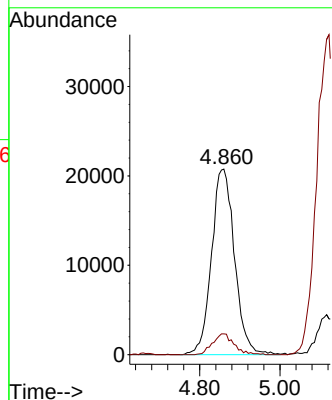
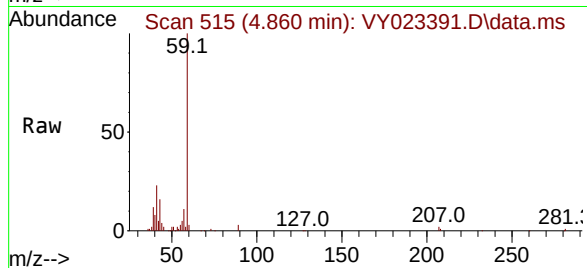
57 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#12

1,1-Dichloroethene

Concen: 49.653 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

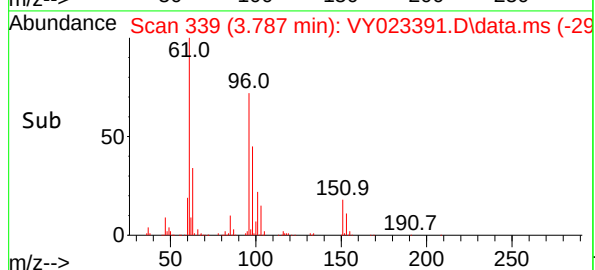
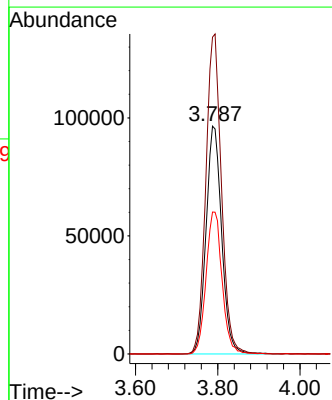
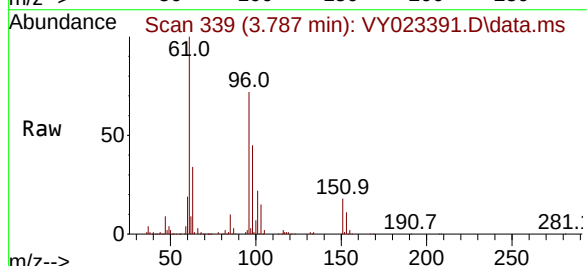
Tgt Ion: 96 Resp: 254382

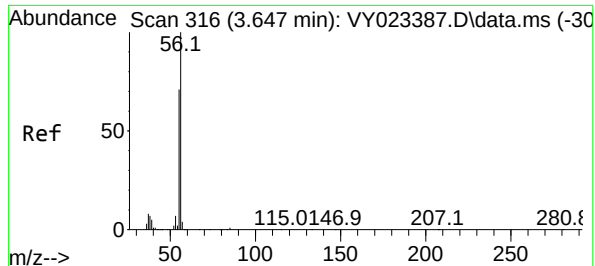
Ion Ratio Lower Upper

96 100

61 139.1 106.7 160.1

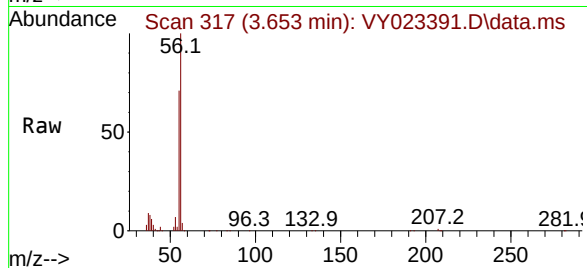
98 62.3 50.2 75.4





#13
Acrolein
Concen: 246.184 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

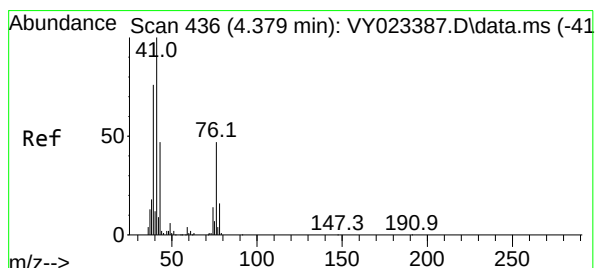
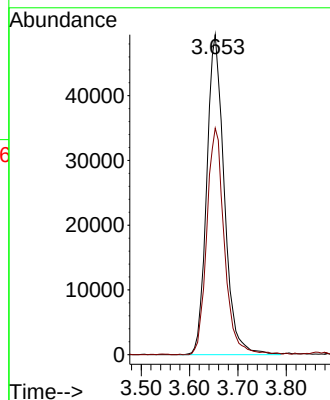
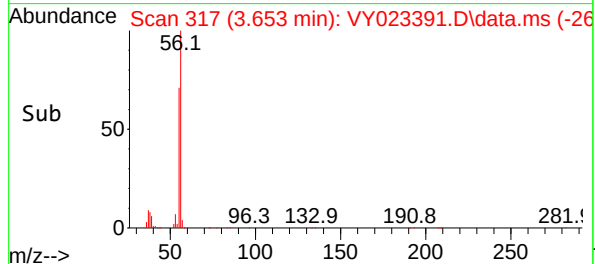
Instrument :
MSVOA_Y
ClientSampleId :
ICVY100725



Tgt Ion: 56 Resp: 124288
Ion Ratio Lower Upper
56 100
55 71.1 56.1 84.1

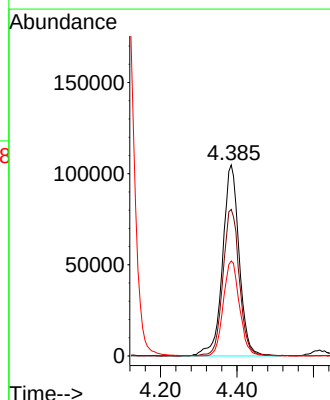
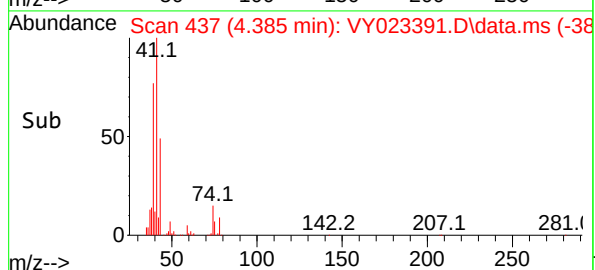
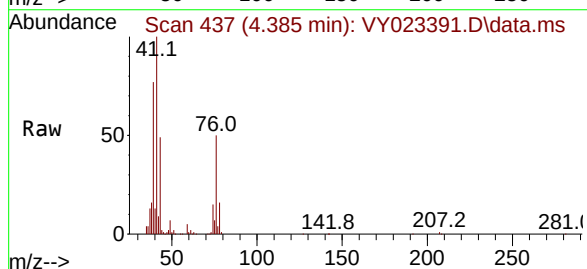
Manual Integrations
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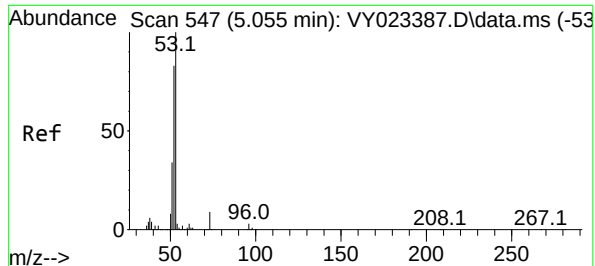
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#14
Allyl chloride
Concen: 50.645 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 316213
Ion Ratio Lower Upper
41 100
39 76.2 59.9 89.9
76 48.1 38.0 57.0





#15

Acrylonitrile

Concen: 251.575 ug/l

RT: 5.055 min Scan# 547

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

Tgt Ion: 53 Resp: 256219

Ion Ratio Lower Upper

53 100

52 81.7 64.6 97.0

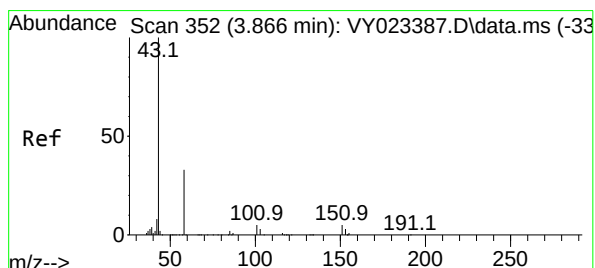
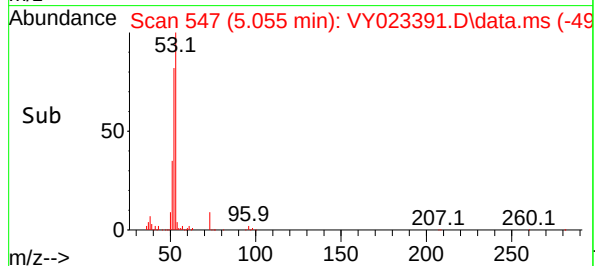
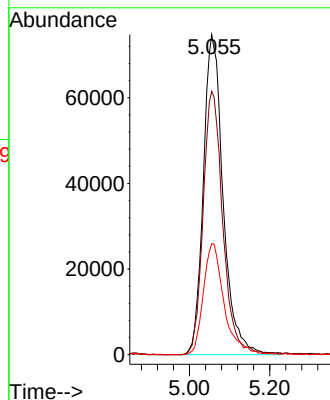
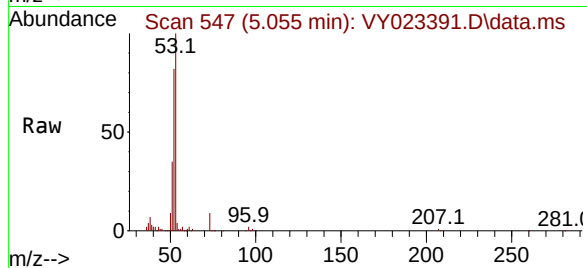
51 36.4 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#16

Acetone

Concen: 212.910 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY023391.D

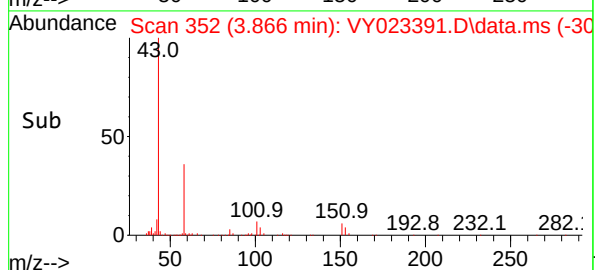
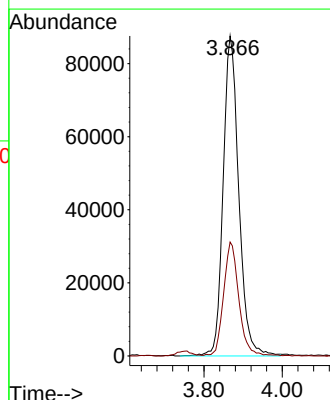
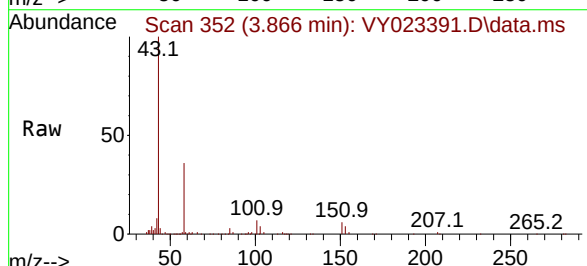
Acq: 07 Oct 2025 14:12

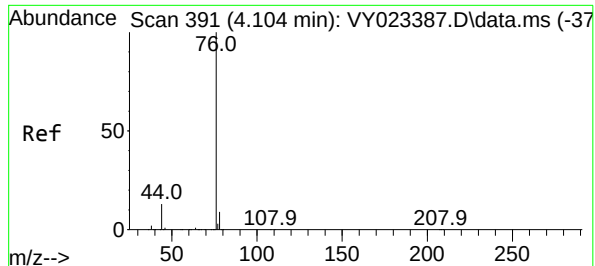
Tgt Ion: 43 Resp: 243433

Ion Ratio Lower Upper

43 100

58 35.5 27.7 41.5





#17

Carbon Disulfide

Concen: 50.021 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 76 Resp: 73345

Ion Ratio Lower Upper

76 100

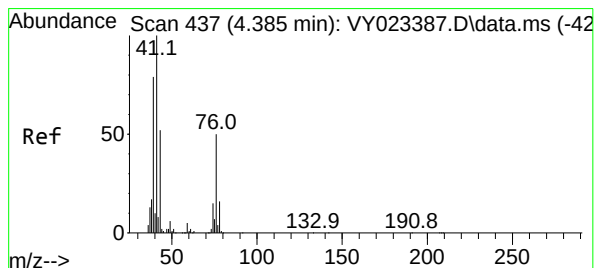
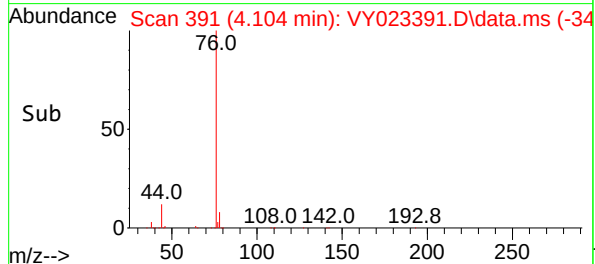
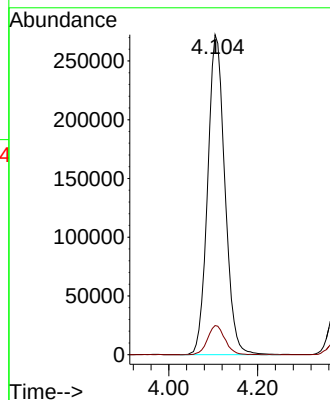
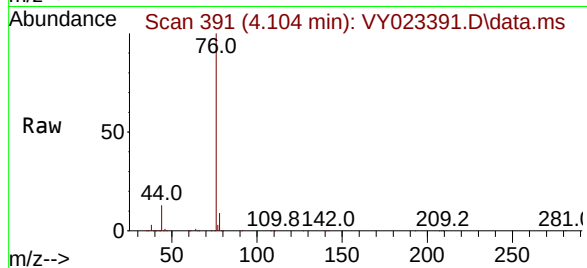
78 9.1 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

Methyl Acetate

Concen: 50.439 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY023391.D

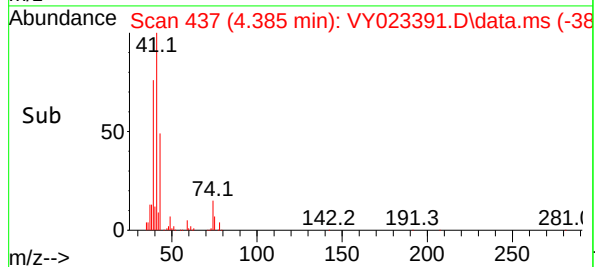
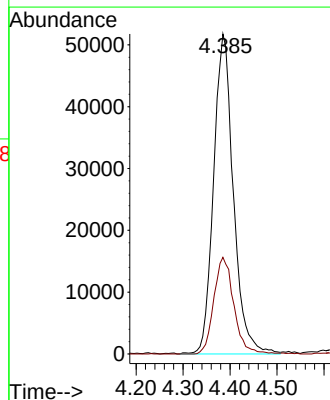
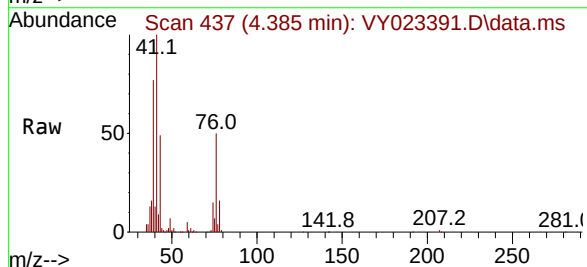
Acq: 07 Oct 2025 14:12

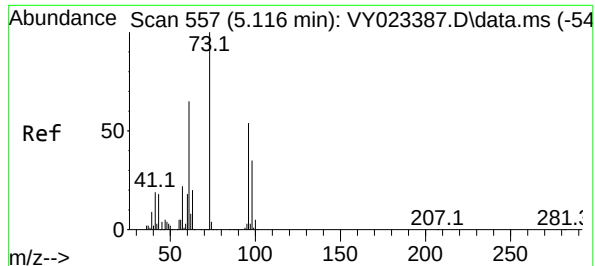
Tgt Ion: 43 Resp: 151281

Ion Ratio Lower Upper

43 100

74 30.5 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 52.230 ug/l

RT: 5.116 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 73 Resp: 64311

Ion Ratio Lower Upper

73 100

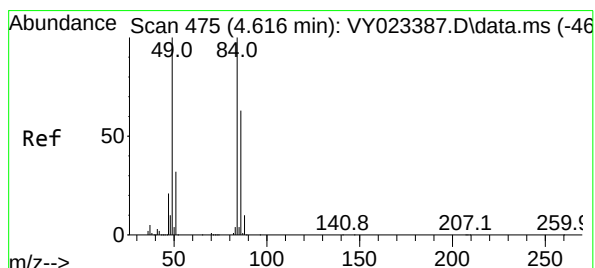
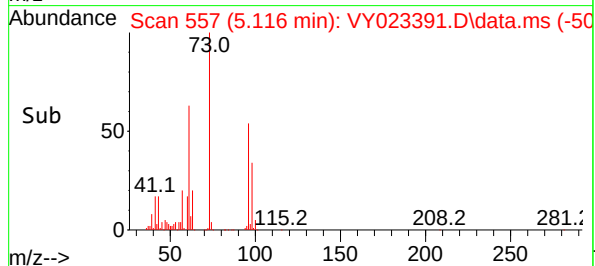
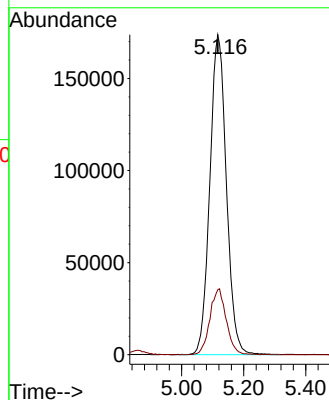
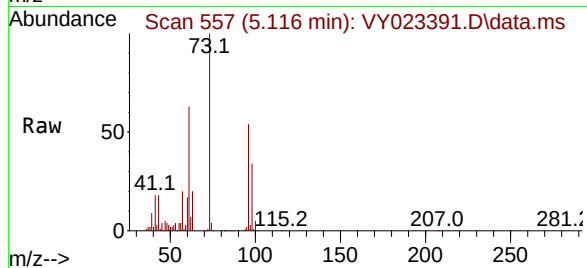
57 20.3 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 52.503 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion: 84 Resp: 324604

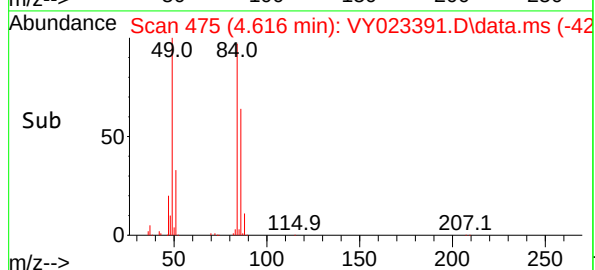
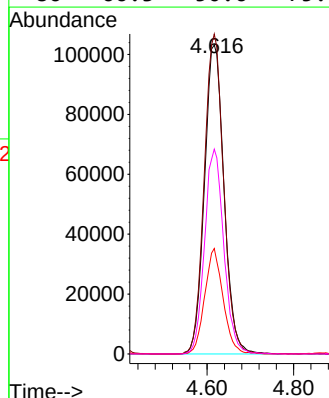
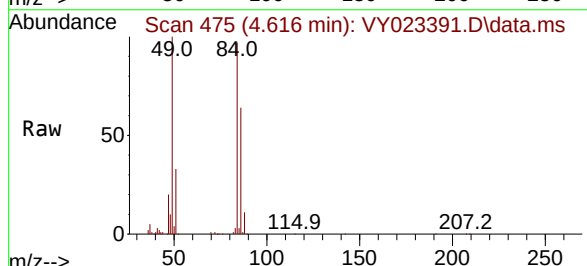
Ion Ratio Lower Upper

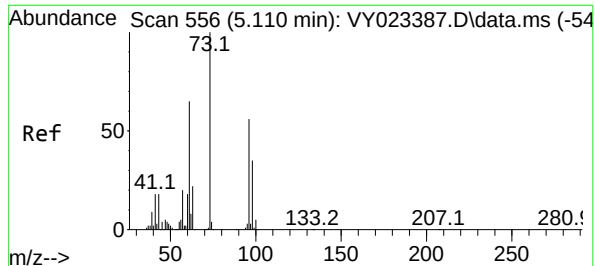
84 100

49 103.5 80.2 120.4

51 34.1 25.9 38.9

86 66.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.482 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023391.D

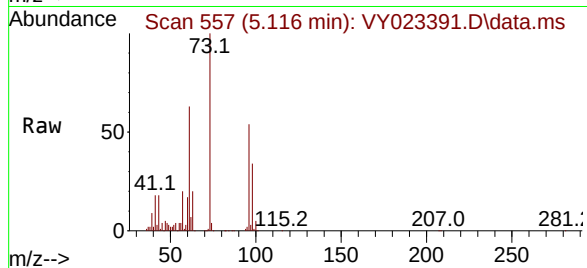
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

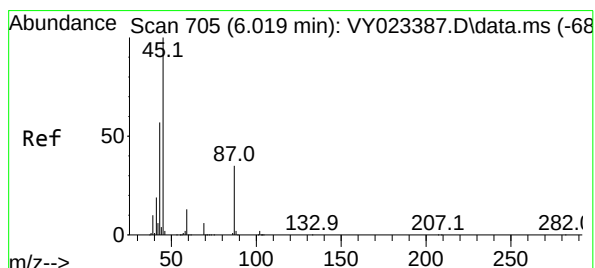
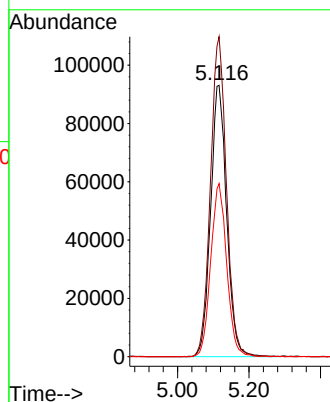
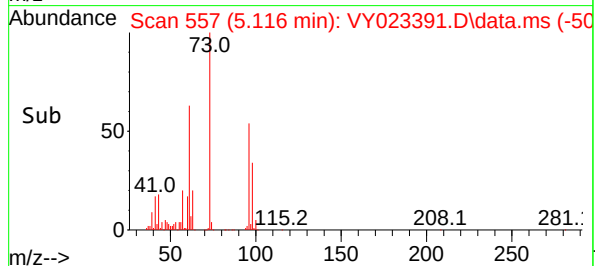


Tgt Ion:	96	Resp:	290384
Ion	Ratio	Lower	Upper
96	100		
61	117.9	92.7	139.1
98	63.8	49.7	74.5

Manual Integrations

APPROVED

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



#22

Diisopropyl ether

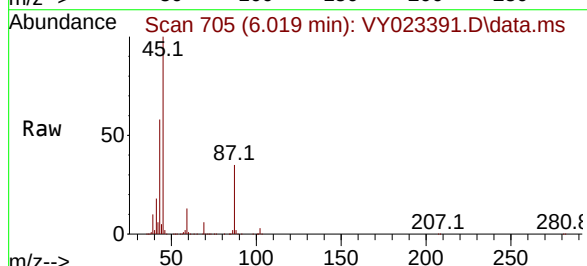
Concen: 51.364 ug/l

RT: 6.019 min Scan# 705

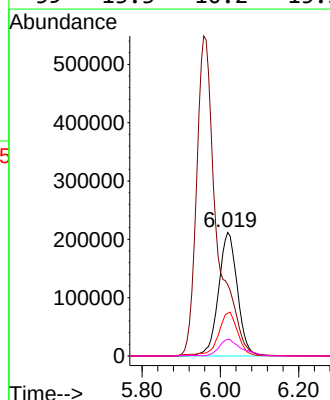
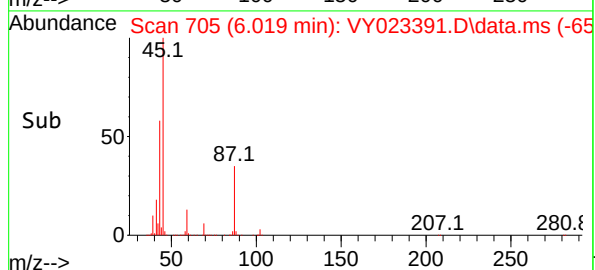
Delta R.T. -0.000 min

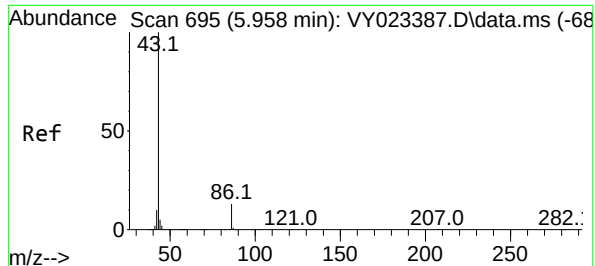
Lab File: VY023391.D

Acq: 07 Oct 2025 14:12



Tgt Ion:	45	Resp:	709381
Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.6	68.4
87	34.6	28.1	42.1
59	13.3	10.2	15.2





#23

Vinyl Acetate

Concen: 260.981 ug/l

RT: 5.958 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 195096

Ion Ratio Lower Upper

43 100

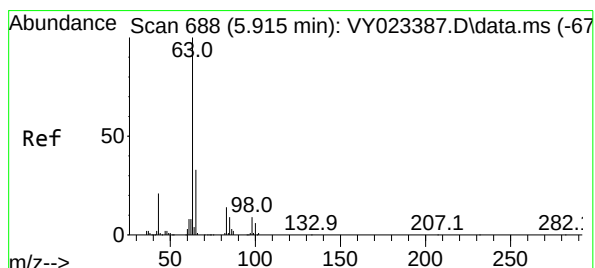
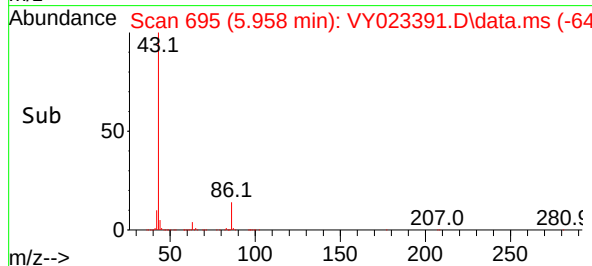
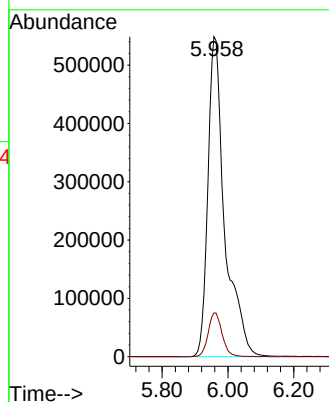
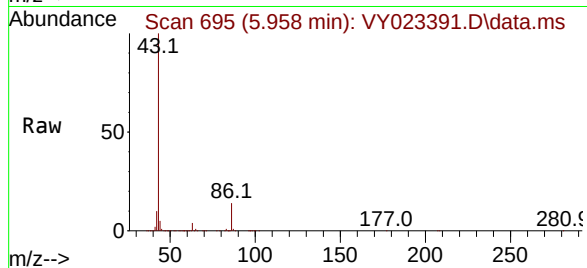
86 13.7 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#24

1,1-Dichloroethane

Concen: 50.742 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

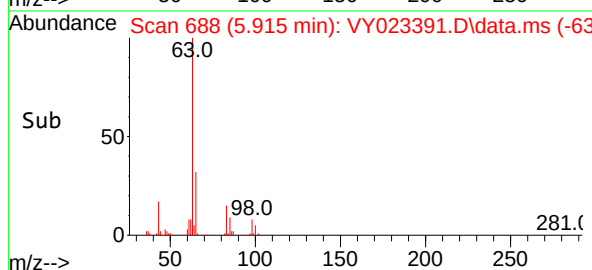
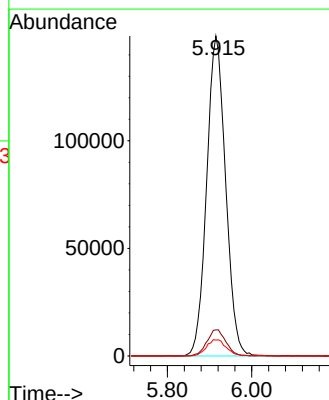
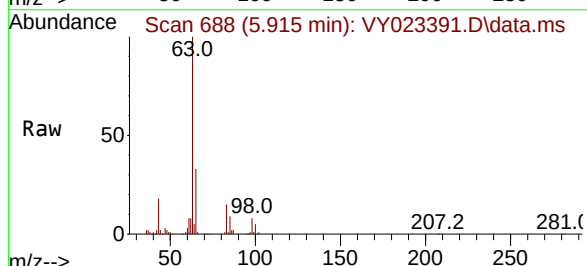
Tgt Ion: 63 Resp: 464207

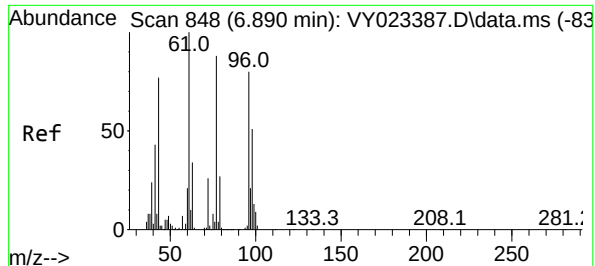
Ion Ratio Lower Upper

63 100

98 8.1 4.3 13.1

100 5.0 2.8 8.4





#25

2-Butanone

Concen: 233.083 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 32535

Ion Ratio Lower Upper

43 100

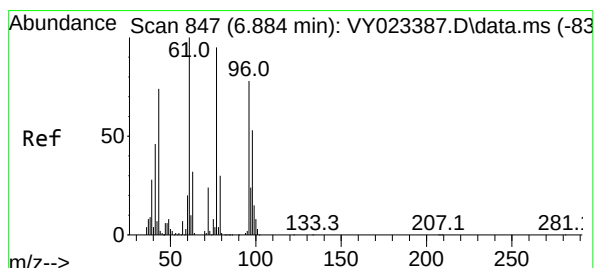
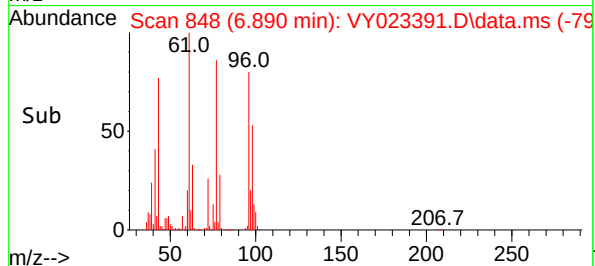
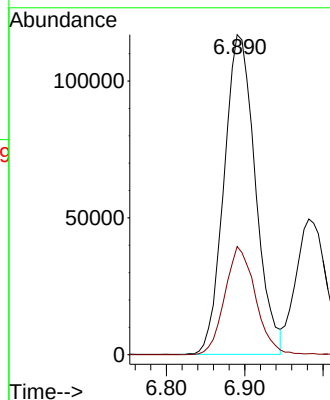
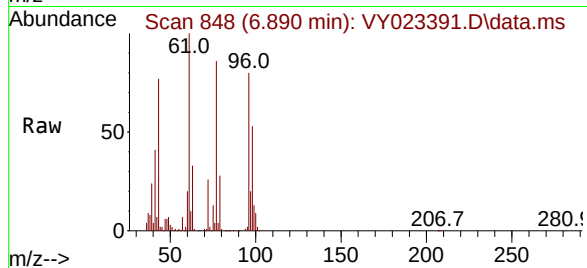
72 33.8 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

2,2-Dichloropropane

Concen: 49.626 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023391.D

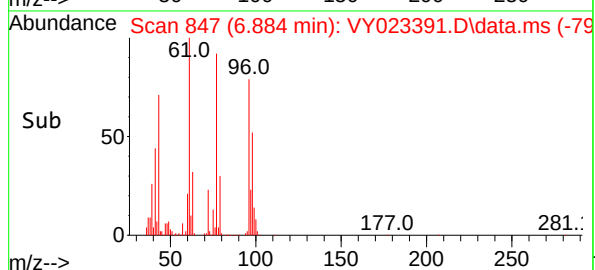
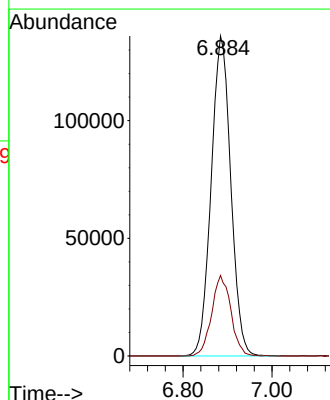
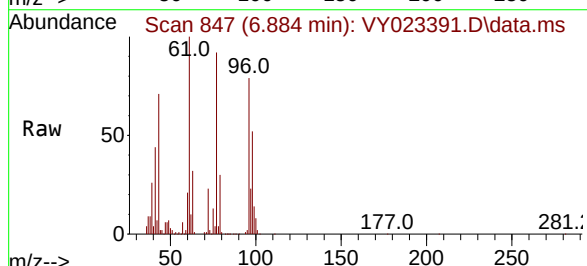
Acq: 07 Oct 2025 14:12

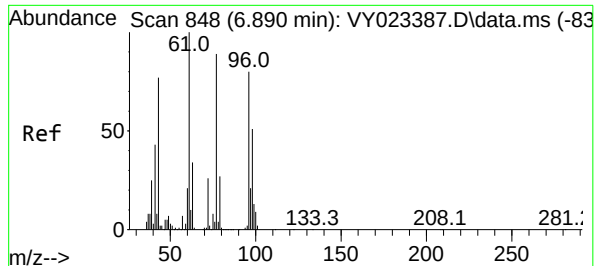
Tgt Ion: 77 Resp: 416585

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 52.485 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

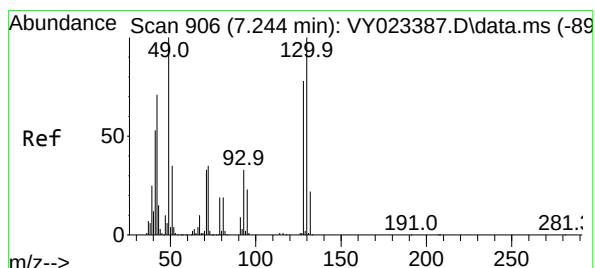
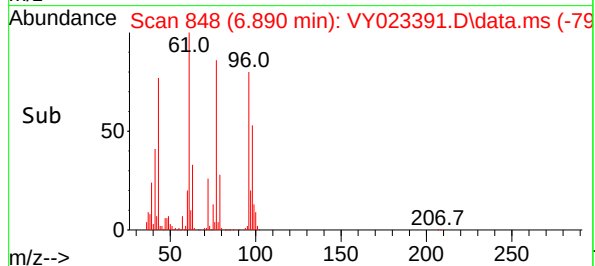
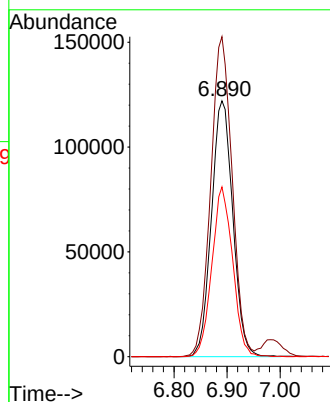
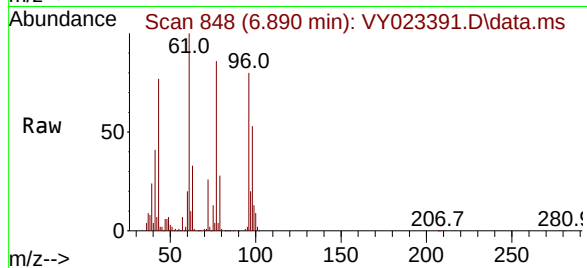
ClientSampleId :

ICVVY100725

Tgt Ion:	96	Resp:	341964
Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	258.2
98	64.3	0.0	132.0

Manual Integrations
APPROVED

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



#28

Bromochloromethane

Concen: 45.427 ug/l

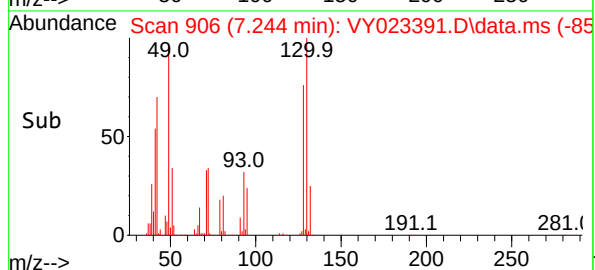
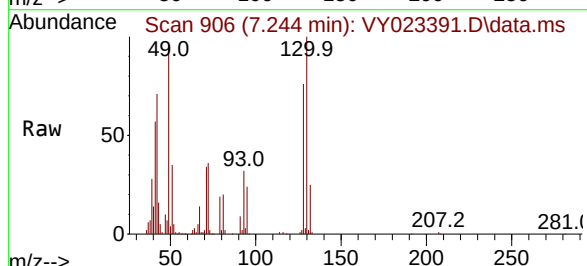
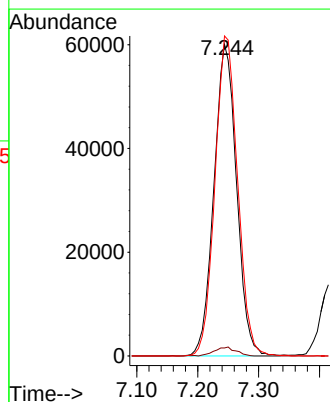
RT: 7.244 min Scan# 906

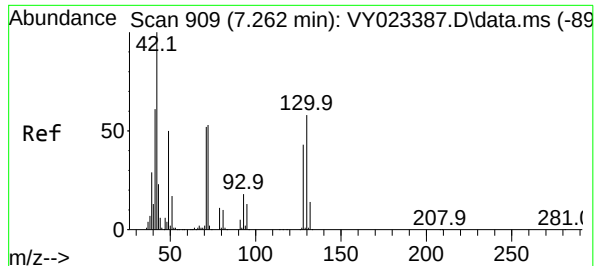
Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Tgt Ion:	49	Resp:	155146
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	102.6	81.9	122.9





#29

Tetrahydrofuran

Concen: 253.317 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 42 Resp: 20051

Ion Ratio Lower Upper

42 100

72 54.6 43.0 64.6

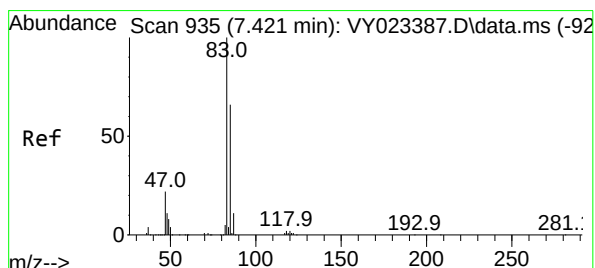
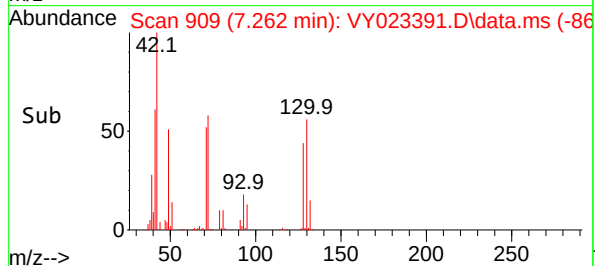
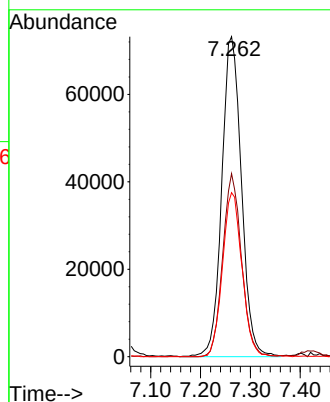
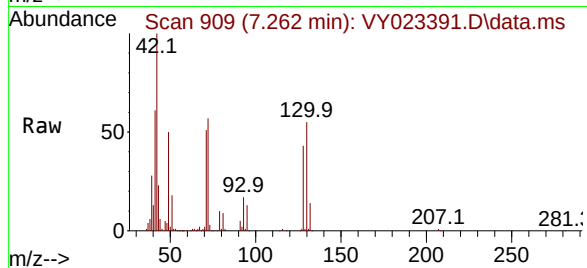
71 51.1 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Chloroform

Concen: 51.137 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023391.D

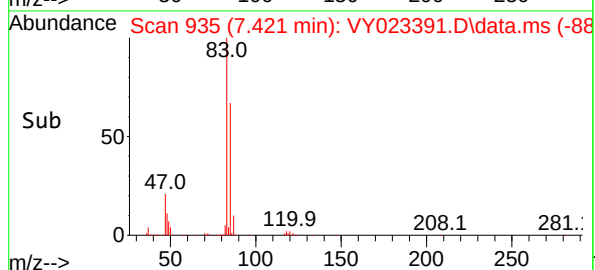
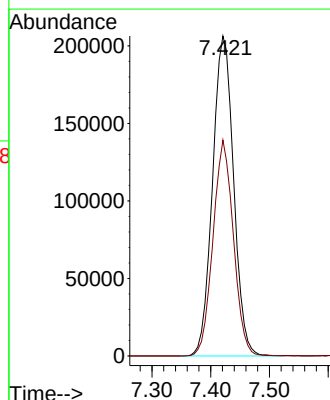
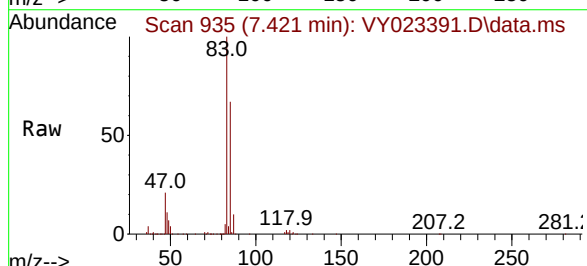
Acq: 07 Oct 2025 14:12

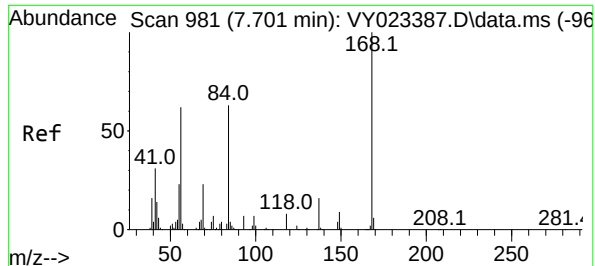
Tgt Ion: 83 Resp: 513997

Ion Ratio Lower Upper

83 100

85 67.5 52.5 78.7





#31

Cyclohexane

Concen: 47.416 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

Tgt Ion: 56 Resp: 378819

Ion Ratio Lower Upper

56 100

69 37.1 30.0 45.0

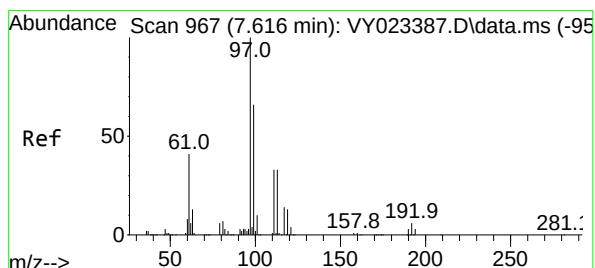
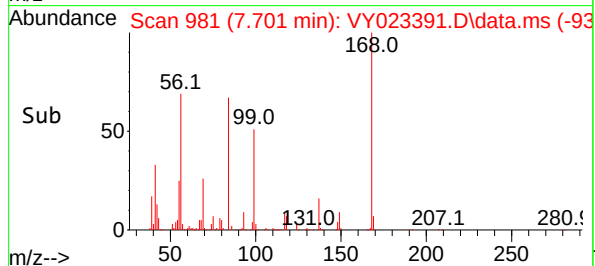
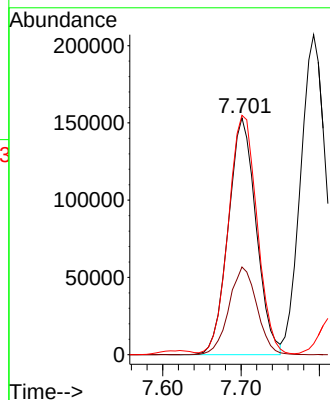
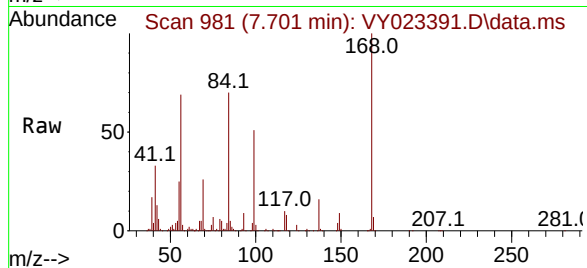
84 99.4 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 49.934 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

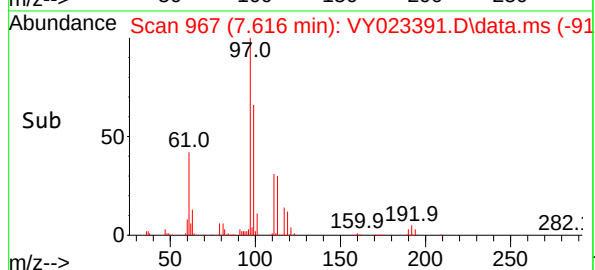
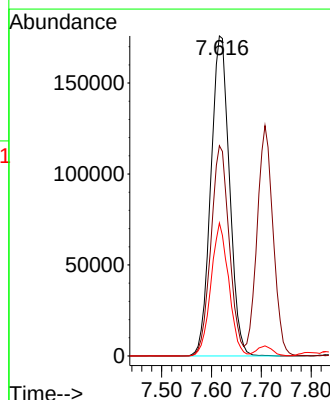
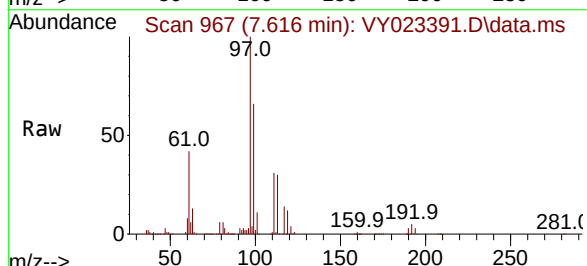
Tgt Ion: 97 Resp: 456112

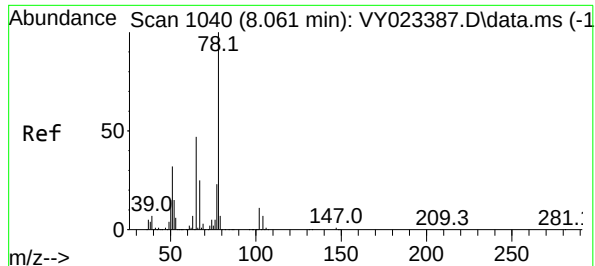
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

61 39.8 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 49.450 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

Tgt Ion: 65 Resp: 23749

Ion Ratio Lower Upper

65 100

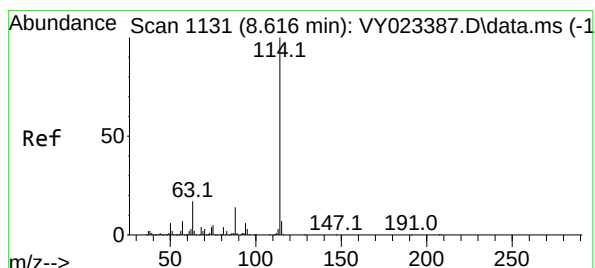
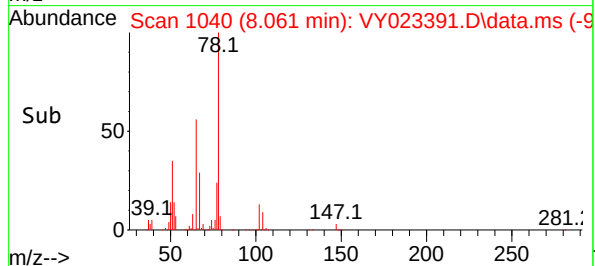
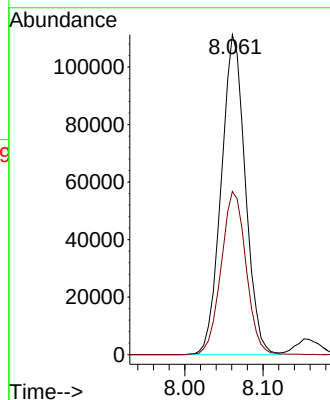
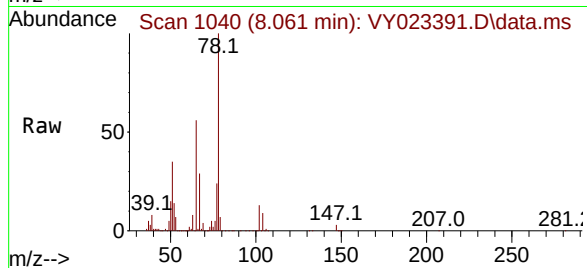
67 52.8 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

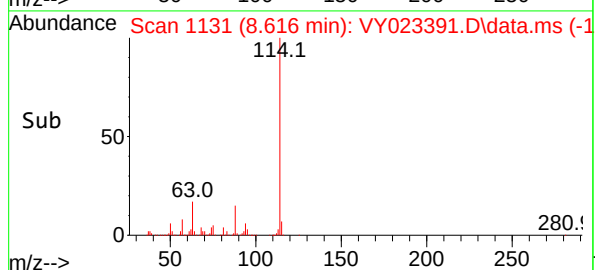
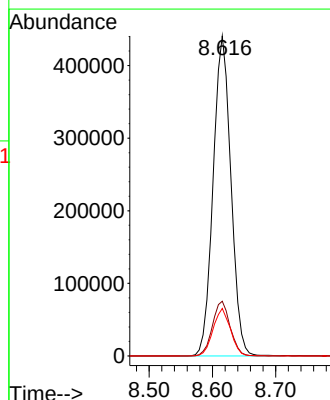
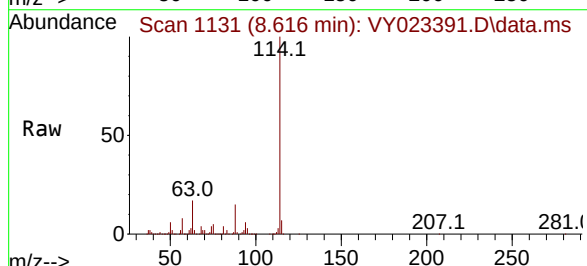
Tgt Ion:114 Resp: 861639

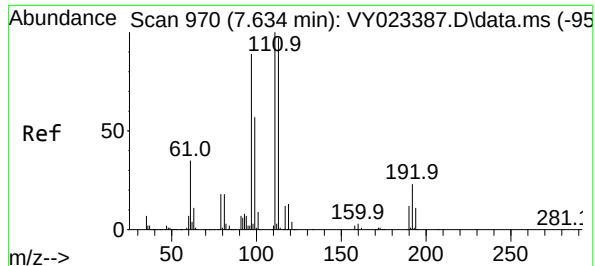
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.116 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

Tgt Ion:113 Resp: 260038

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.6

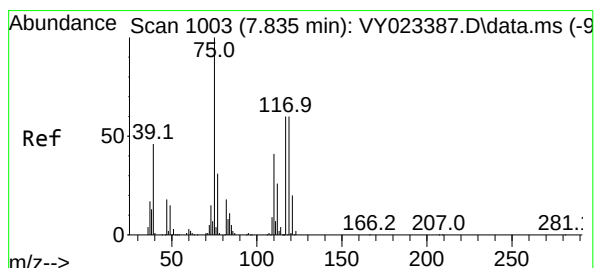
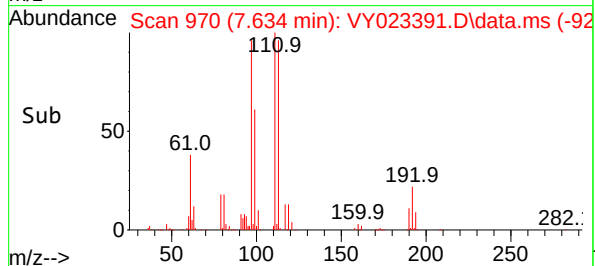
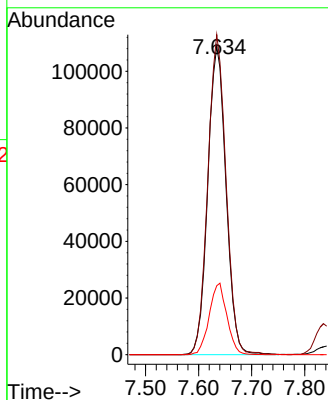
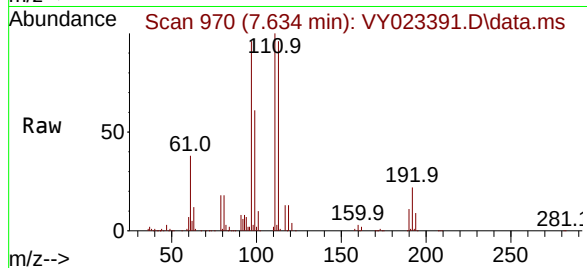
192 22.5 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

1,1-Dichloropropene

Concen: 49.761 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

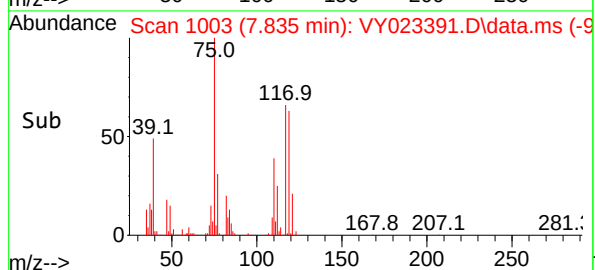
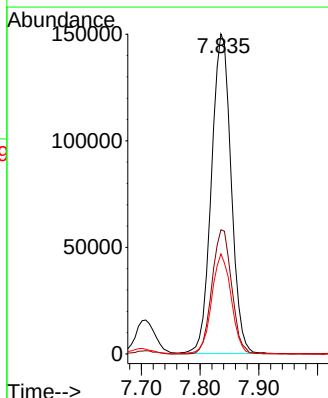
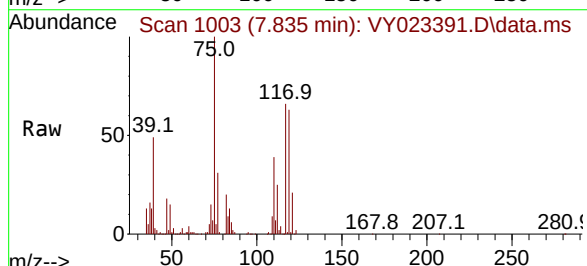
Tgt Ion: 75 Resp: 348786

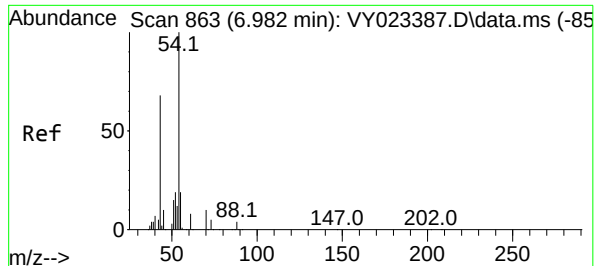
Ion Ratio Lower Upper

75 100

110 38.9 19.9 59.7

77 31.0 25.0 37.6





#37

Ethyl Acetate

Concen: 49.740 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

Tgt Ion: 43 Resp: 138119

Ion Ratio Lower Upper

43 100

61 15.8 11.8 17.8

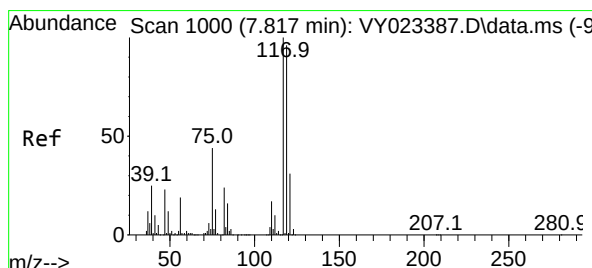
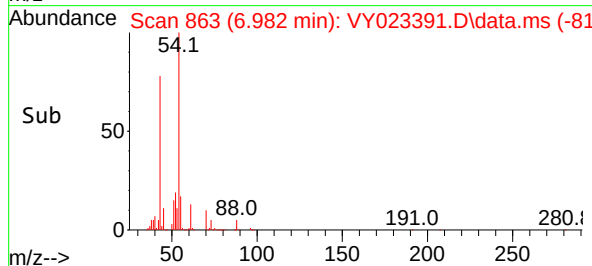
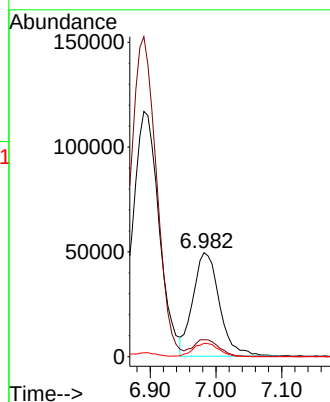
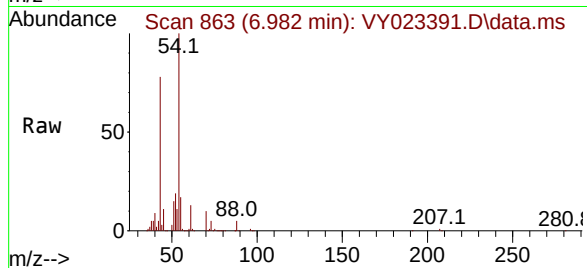
70 12.7 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#38

Carbon Tetrachloride

Concen: 48.671 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

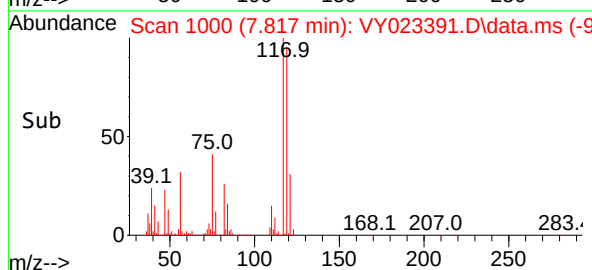
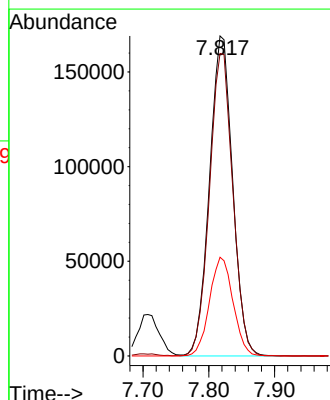
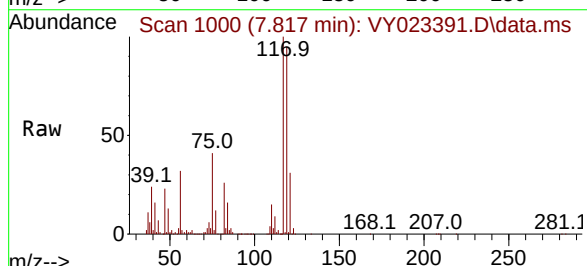
Tgt Ion:117 Resp: 413653

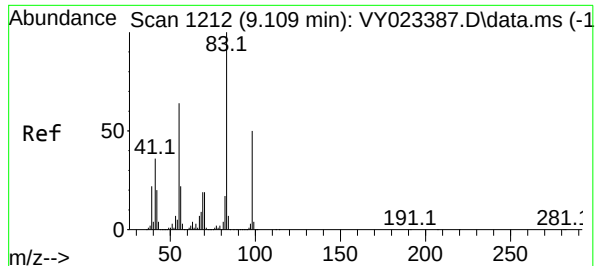
Ion Ratio Lower Upper

117 100

119 94.5 76.8 115.2

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 49.970 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 83 Resp: 45603

Ion Ratio Lower Upper

83 100

55 63.8 51.4 77.2

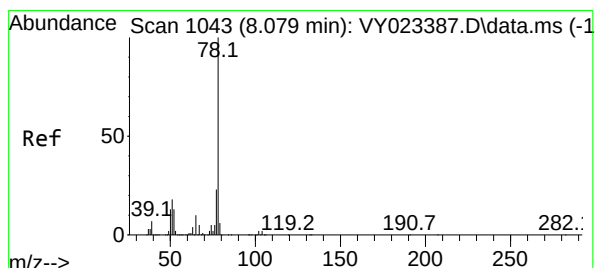
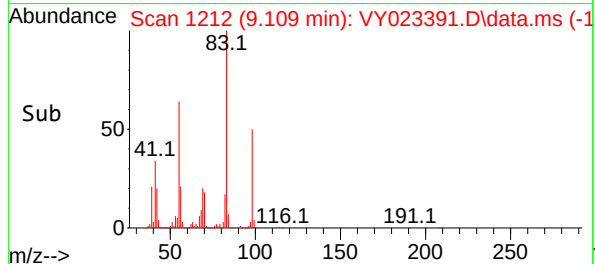
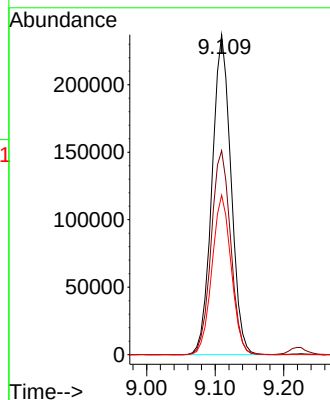
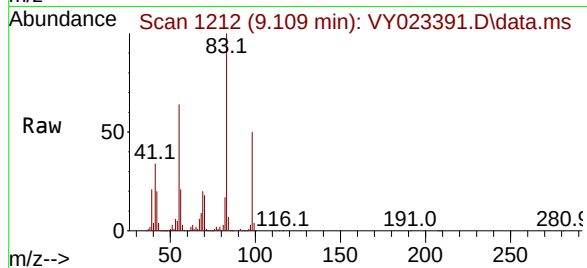
98 49.9 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Benzene

Concen: 49.906 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023391.D

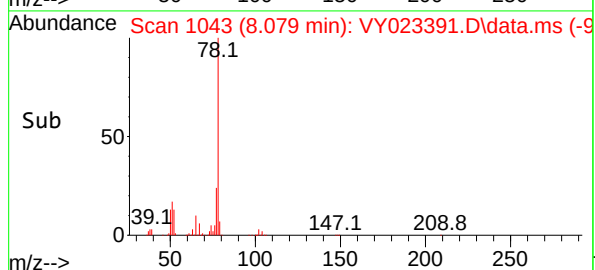
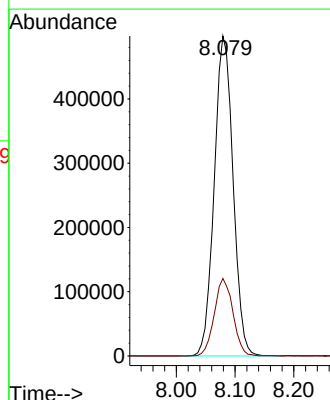
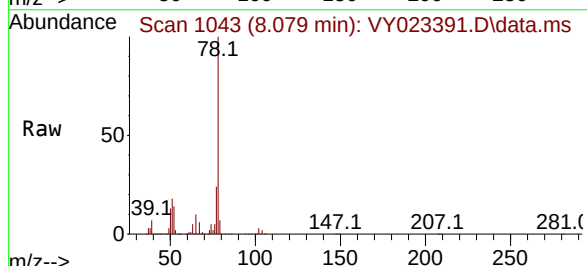
Acq: 07 Oct 2025 14:12

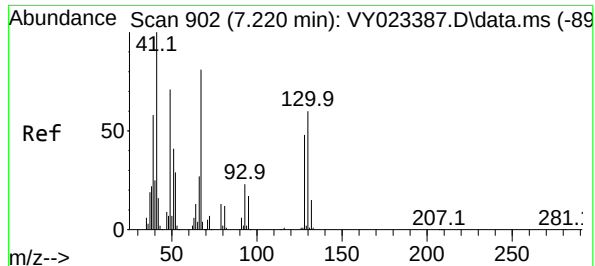
Tgt Ion: 78 Resp: 1107790

Ion Ratio Lower Upper

78 100

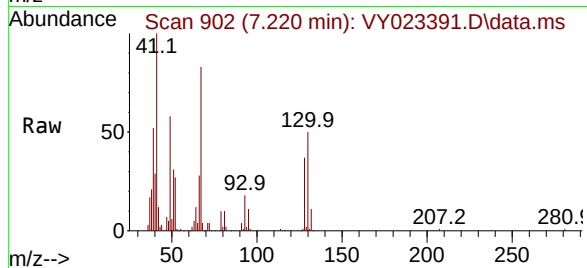
77 24.2 18.3 27.5





#41
Methacrylonitrile
Concen: 48.008 ug/l
RT: 7.220 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

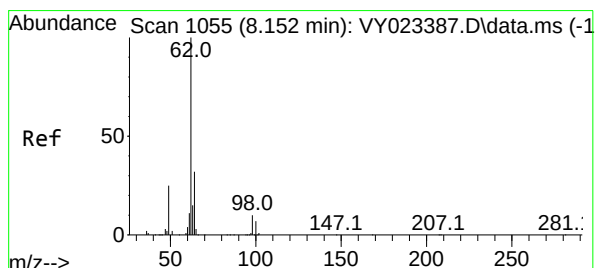
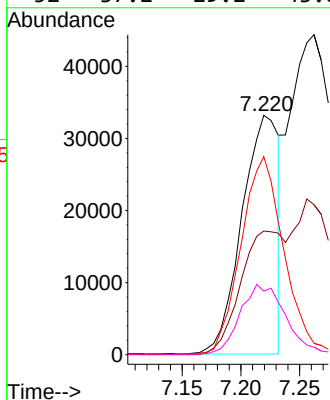
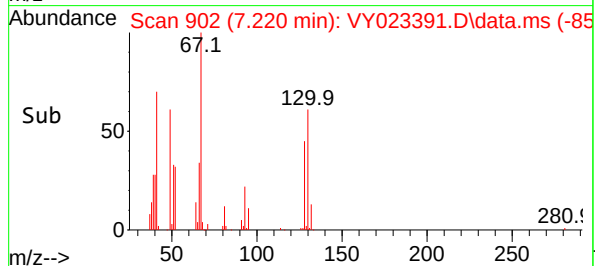
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



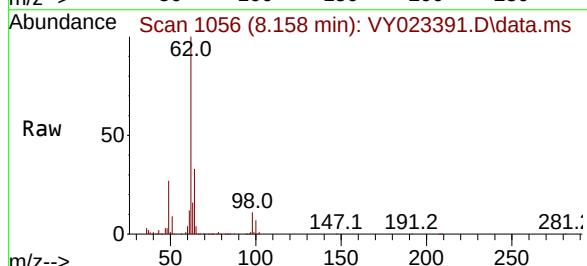
Tgt Ion: 41 Resp: 72100
Ion Ratio Lower Upper
41 100
39 62.2 52.2 78.4
67 97.9 74.9 112.3
52 37.2 29.2 43.8

Manual Integrations
APPROVED

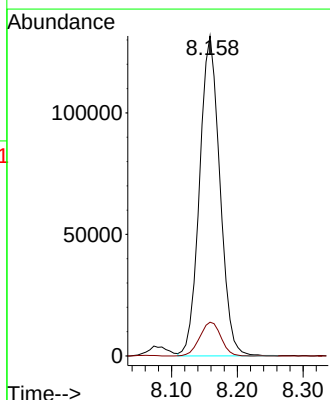
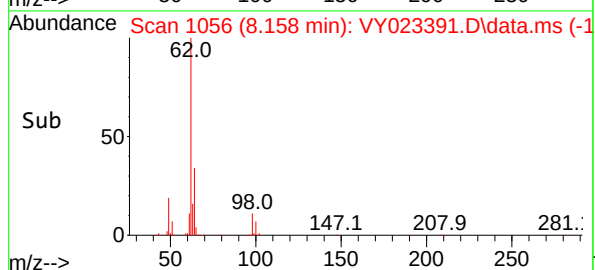
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

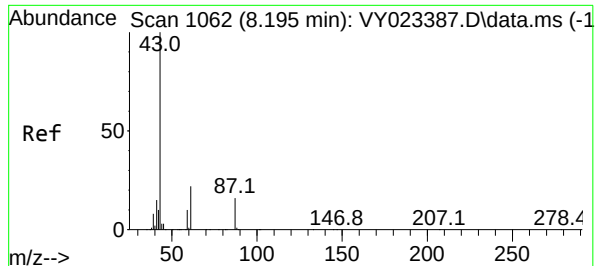


#42
1,2-Dichloroethane
Concen: 49.318 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12



Tgt Ion: 62 Resp: 282332
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.6





#43

Isopropyl Acetate

Concen: 50.548 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 27988

Ion Ratio Lower Upper

43 100

61 22.8 18.1 27.1

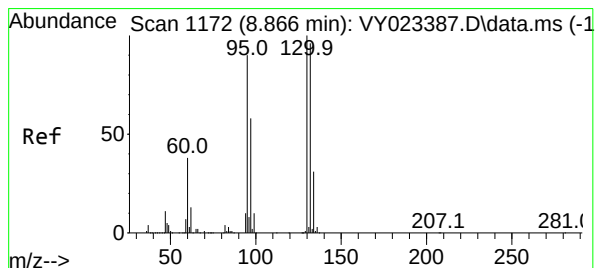
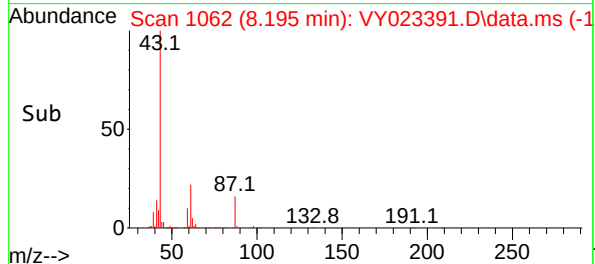
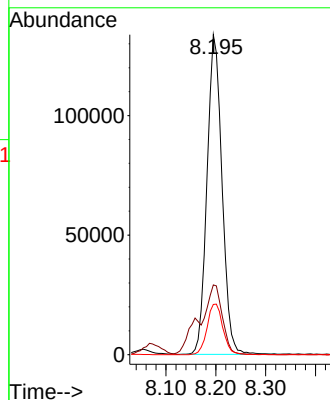
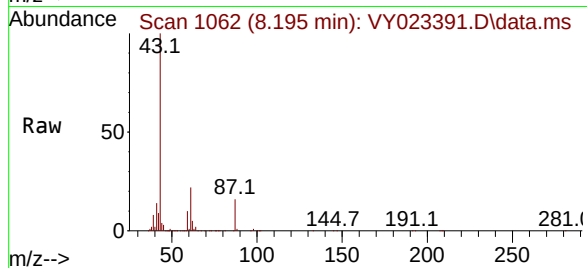
87 16.7 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#44

Trichloroethene

Concen: 49.120 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023391.D

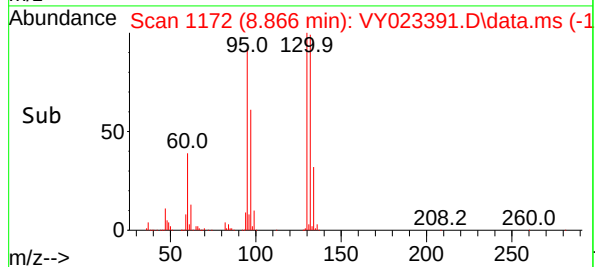
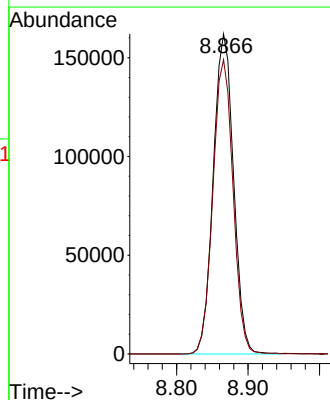
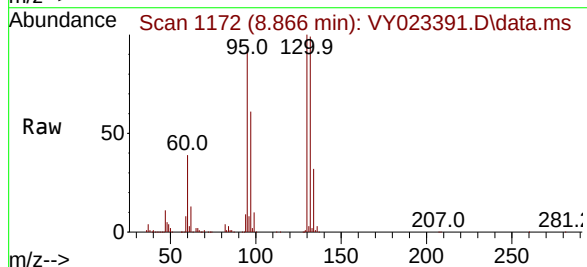
Acq: 07 Oct 2025 14:12

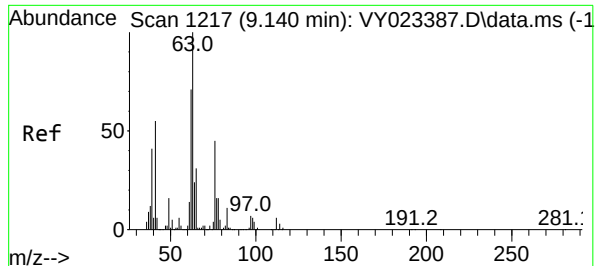
Tgt Ion:130 Resp: 319131

Ion Ratio Lower Upper

130 100

95 91.9 0.0 180.6





#45

1,2-Dichloropropane

Concen: 50.355 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 63 Resp: 24688

Ion Ratio Lower Upper

63 100

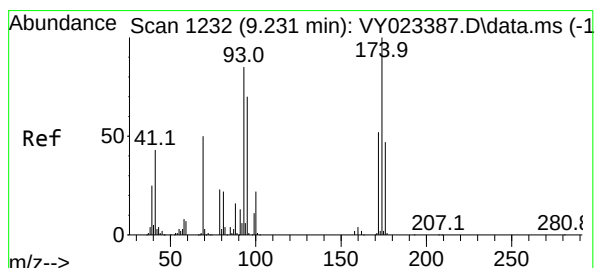
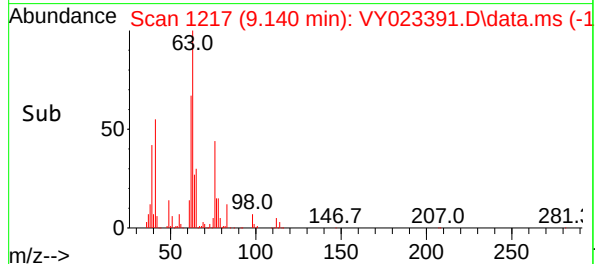
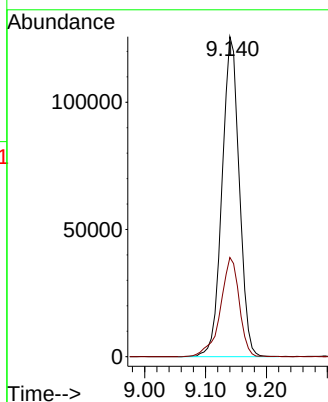
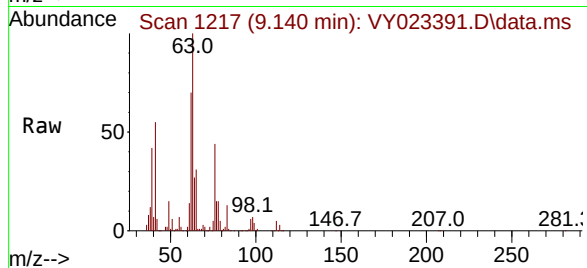
65 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Dibromomethane

Concen: 50.885 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

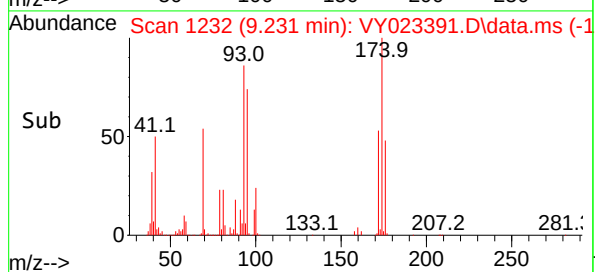
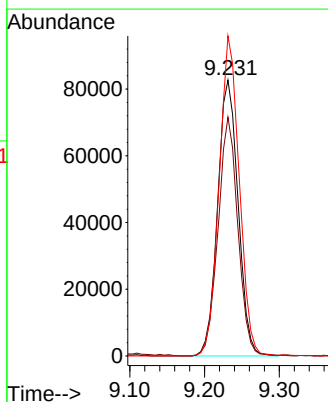
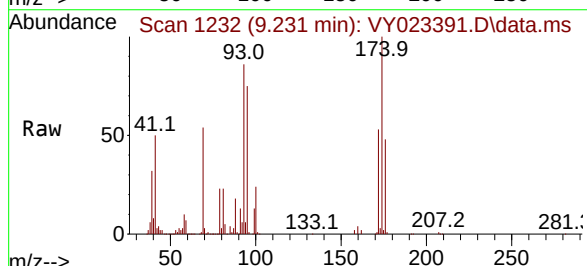
Tgt Ion: 93 Resp: 157758

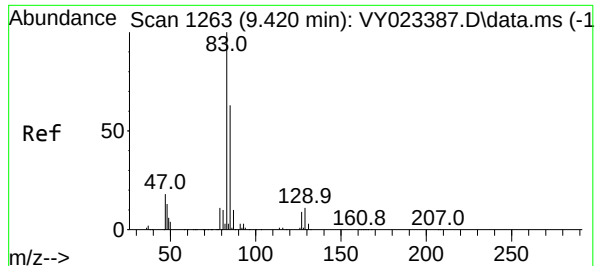
Ion Ratio Lower Upper

93 100

95 83.6 65.4 98.0

174 113.9 92.9 139.3





#47

Bromodichloromethane

Concen: 50.450 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY023391.D

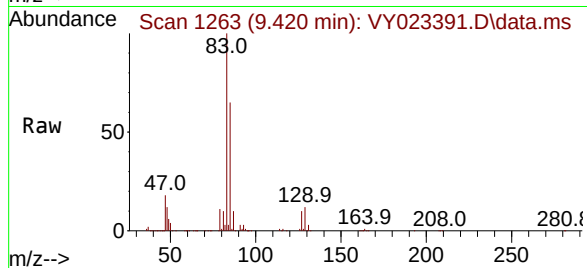
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725



Tgt Ion: 83 Resp: 393918

Ion Ratio Lower Upper

83 100

85 64.5 50.8 76.2

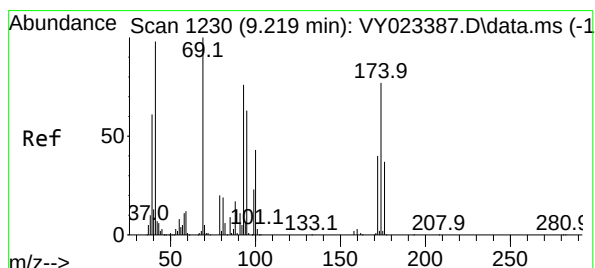
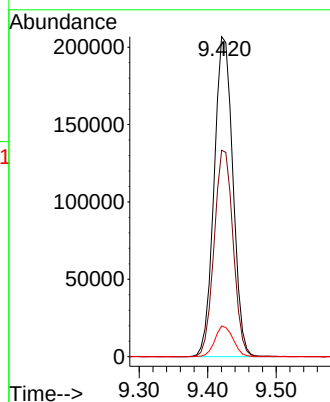
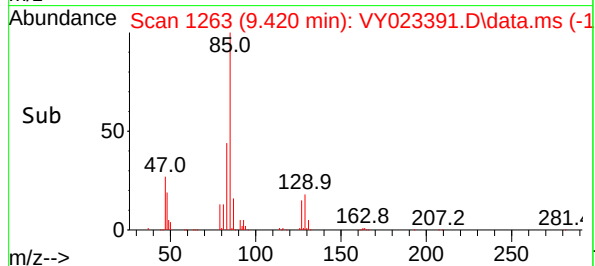
127 9.6 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Methyl methacrylate

Concen: 49.440 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

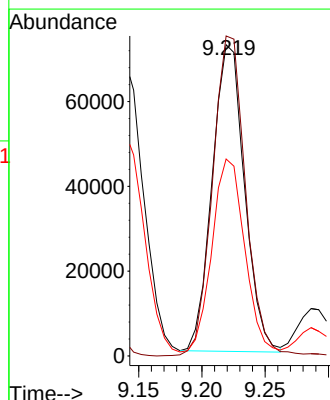
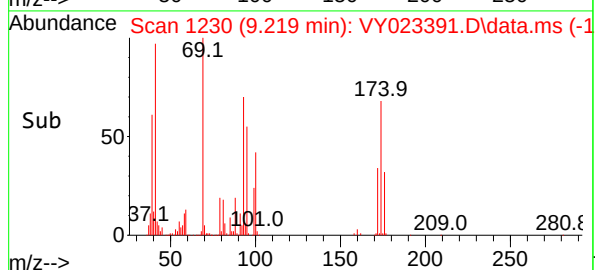
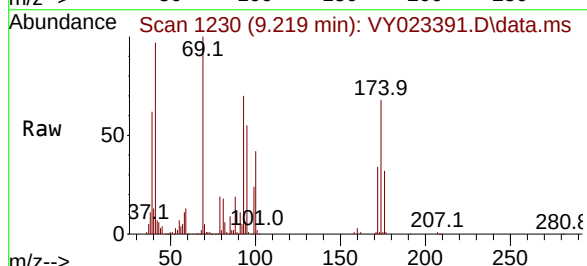
Tgt Ion: 41 Resp: 128606

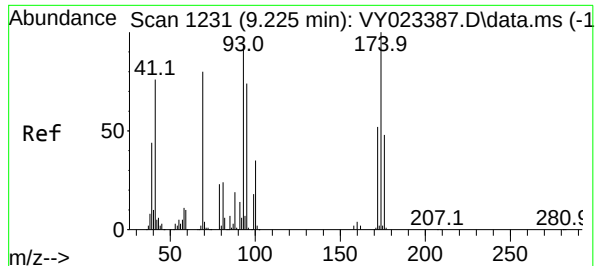
Ion Ratio Lower Upper

41 100

69 106.6 81.0 121.4

39 63.5 48.2 72.4





#49

1,4-Dioxane

Concen: 1039.252 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

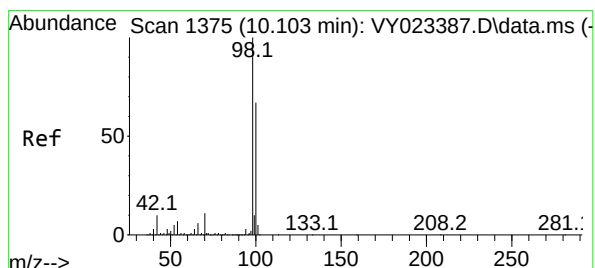
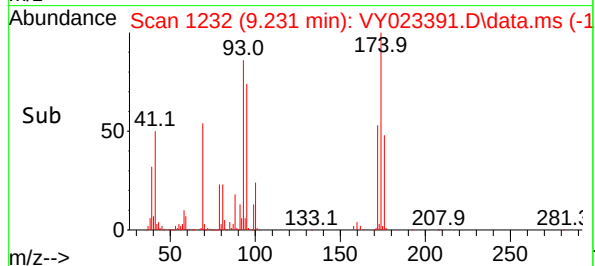
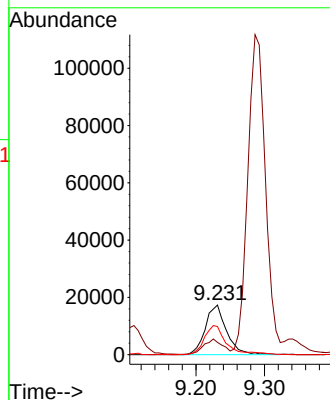
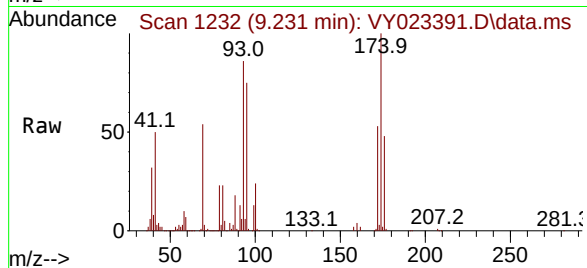
ICVVY100725

Tgt Ion:	88	Resp:	37350
Ion	Ratio	Lower	Upper
88	100		
43	27.4	21.8	32.8
58	61.4	46.8	70.2

Manual Integrations

APPROVED

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



#50

Toluene-d8

Concen: 49.228 ug/l

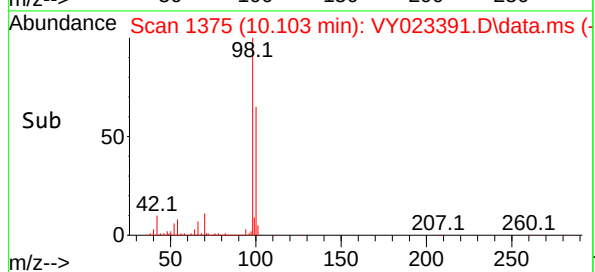
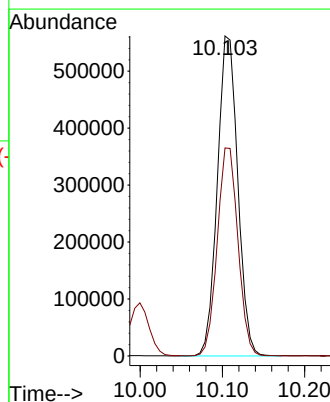
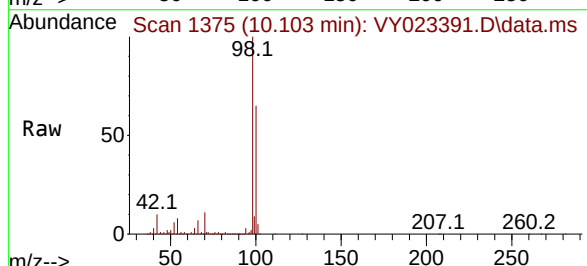
RT: 10.103 min Scan# 1375

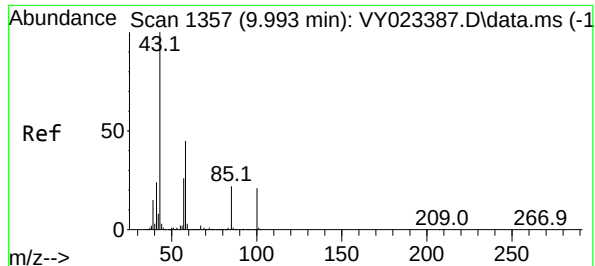
Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

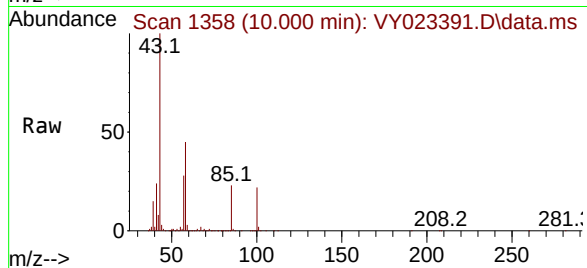
Tgt Ion:	98	Resp:	970614
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 253.421 ug/l
RT: 10.000 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

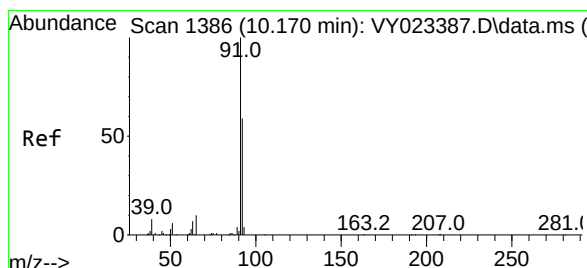
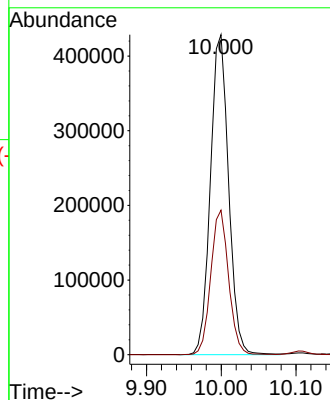
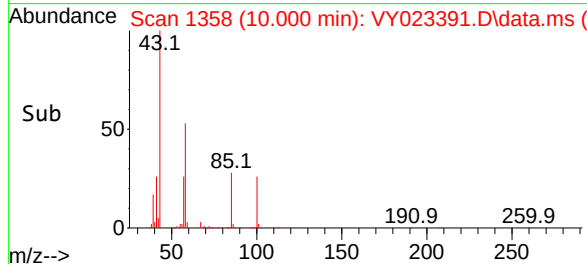
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 43 Resp: 724992
Ion Ratio Lower Upper
43 100
58 44.4 35.3 52.9

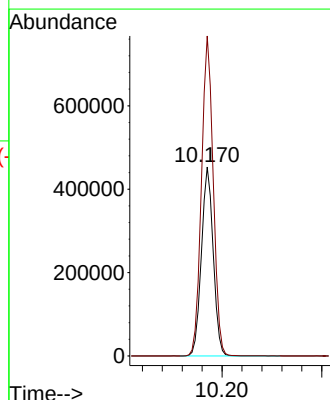
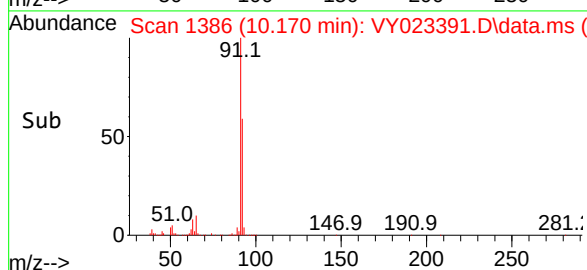
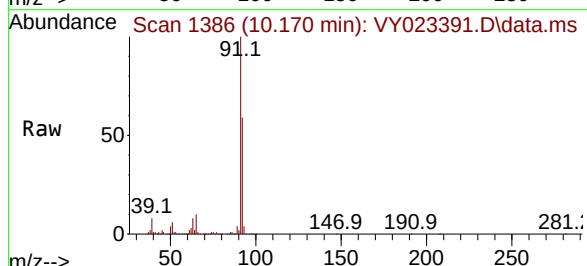
Manual Integrations
APPROVED

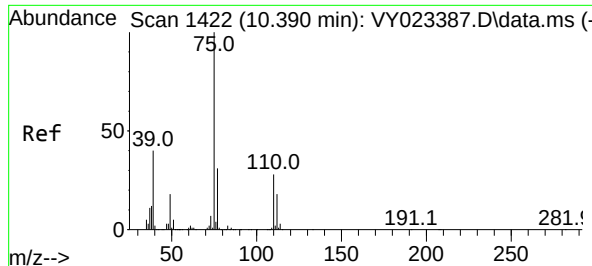
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Toluene
Concen: 51.556 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 92 Resp: 743055
Ion Ratio Lower Upper
92 100
91 168.9 136.4 204.6





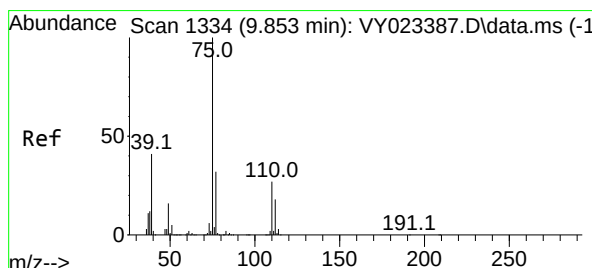
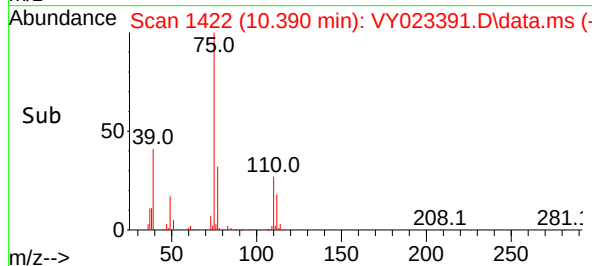
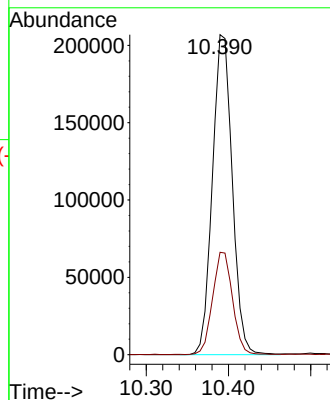
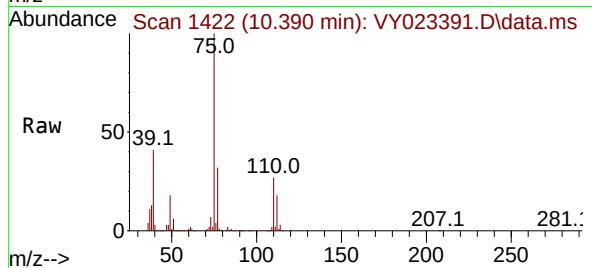
#53
t-1,3-Dichloropropene
Concen: 51.160 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Tgt Ion: 75 Resp: 347330
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7

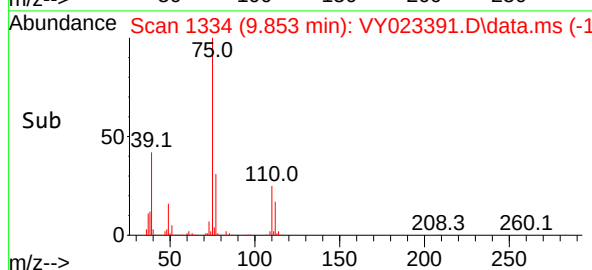
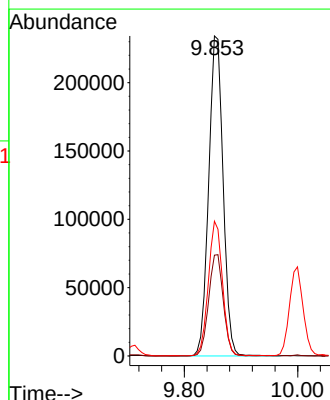
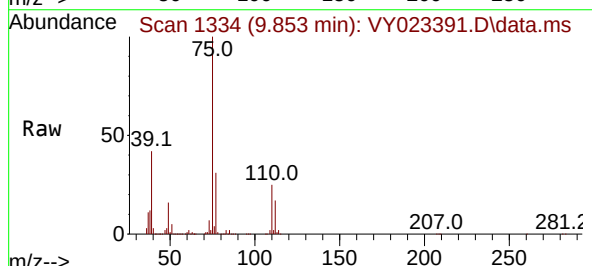
Manual Integrations
APPROVED

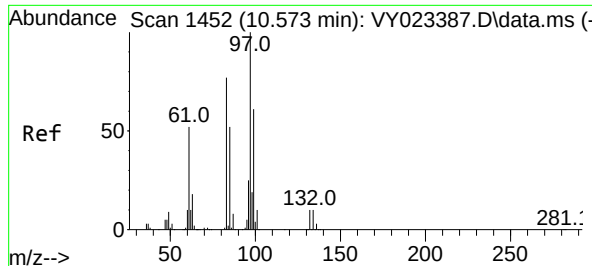
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 51.649 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

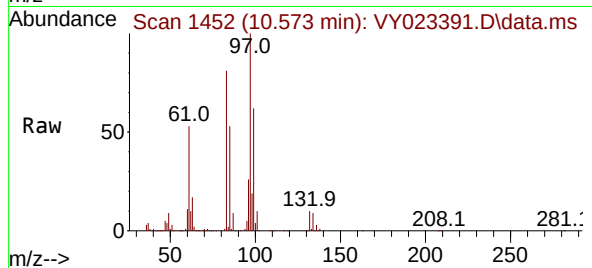
Tgt Ion: 75 Resp: 413860
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 42.1 32.8 49.2





#55
1,1,2-Trichloroethane
Concen: 50.430 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

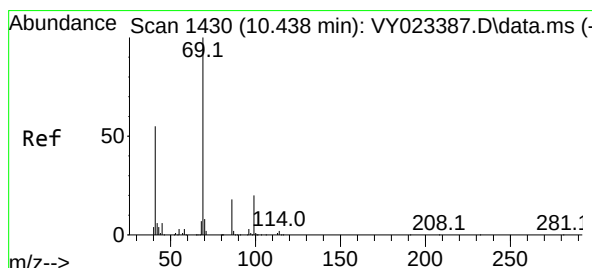
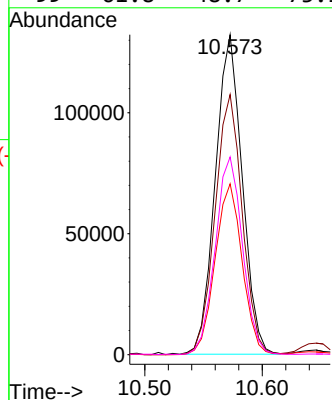
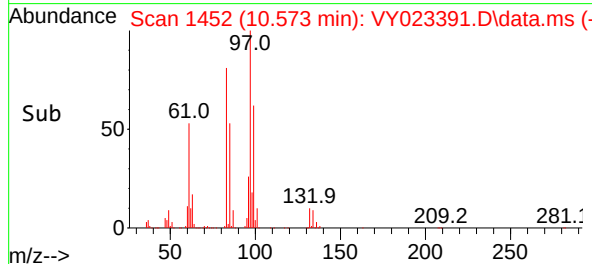
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 97 Resp: 210249
Ion Ratio Lower Upper
97 100
83 81.4 61.8 92.6
85 53.5 41.3 61.9
99 61.8 48.7 73.1

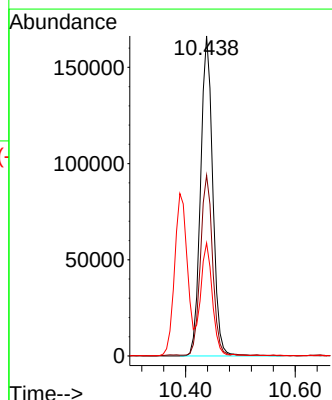
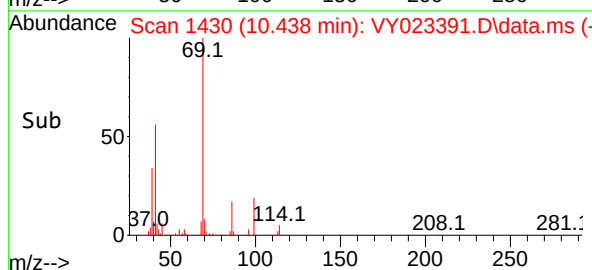
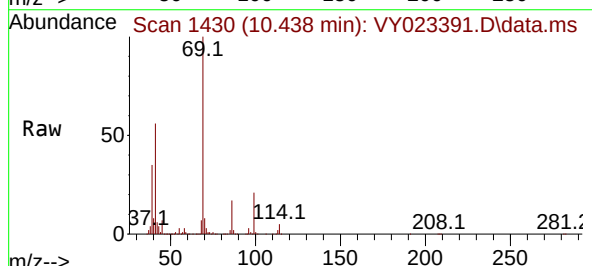
Manual Integrations
APPROVED

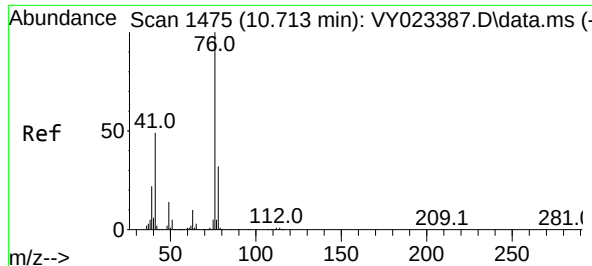
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Ethyl methacrylate
Concen: 53.385 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 69 Resp: 256731
Ion Ratio Lower Upper
69 100
41 56.1 44.6 67.0
39 34.2 27.0 40.4





#57

1,3-Dichloropropane

Concen: 51.113 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 76 Resp: 33767

Ion Ratio Lower Upper

76 100

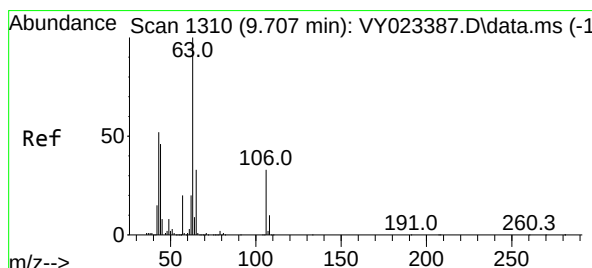
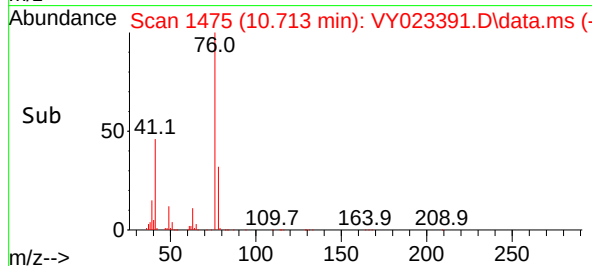
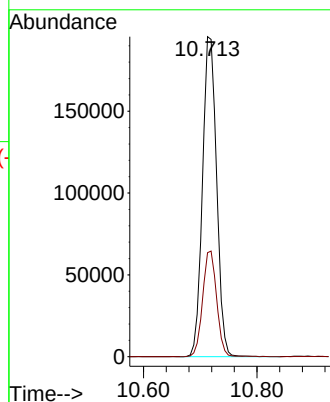
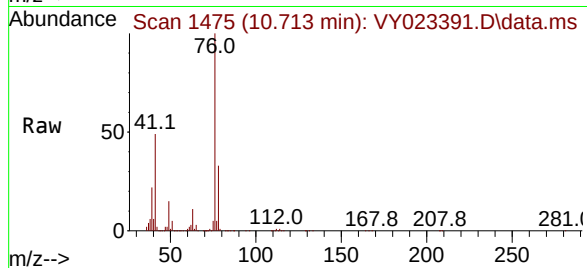
78 32.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 272.133 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023391.D

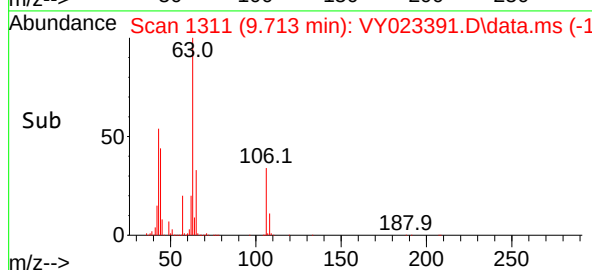
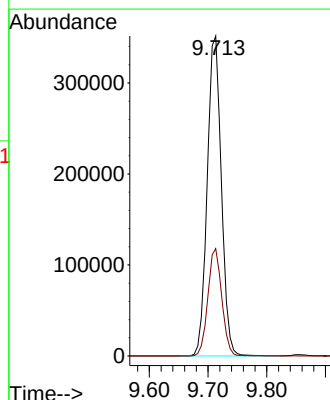
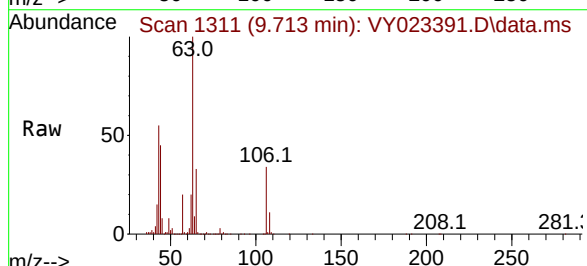
Acq: 07 Oct 2025 14:12

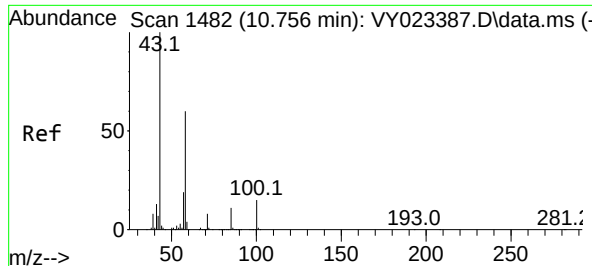
Tgt Ion: 63 Resp: 586266

Ion Ratio Lower Upper

63 100

106 33.2 26.6 39.8





#59

2-Hexanone

Concen: 245.480 ug/l

RT: 10.762 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 43 Resp: 50187

Ion Ratio Lower Upper

43 100

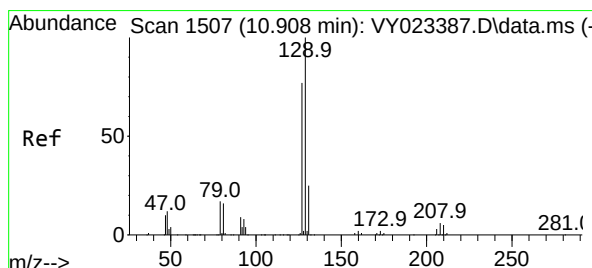
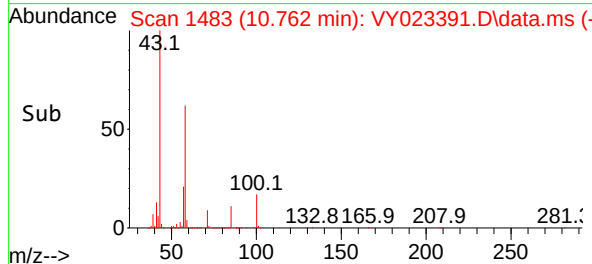
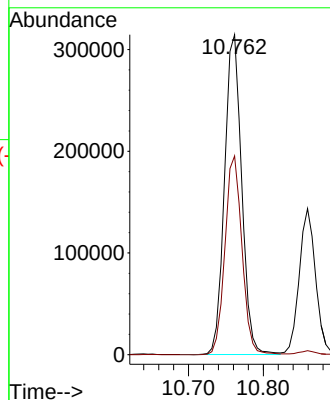
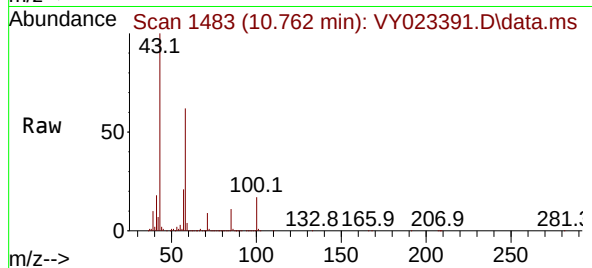
58 61.7 30.5 91.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

Dibromochloromethane

Concen: 50.974 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VY023391.D

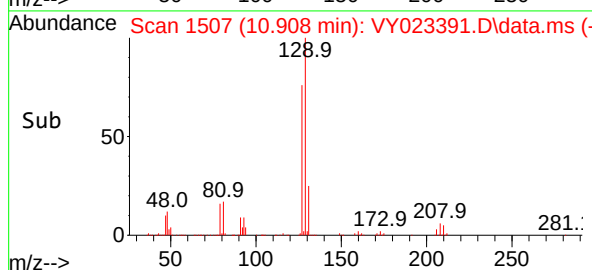
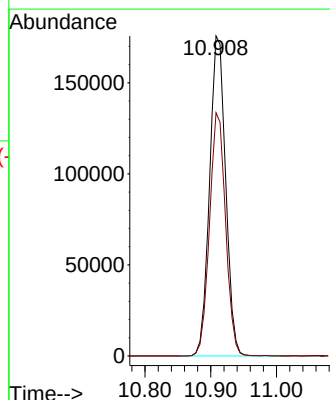
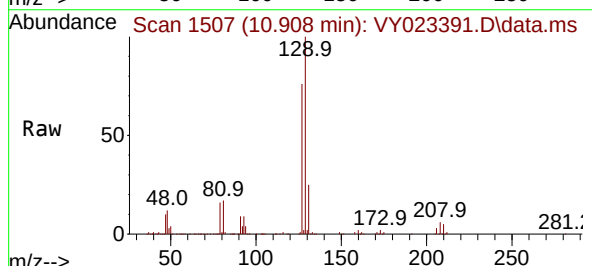
Acq: 07 Oct 2025 14:12

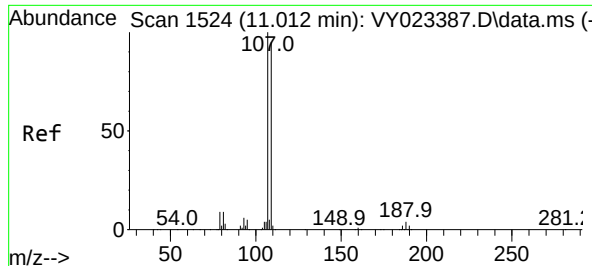
Tgt Ion:129 Resp: 297946

Ion Ratio Lower Upper

129 100

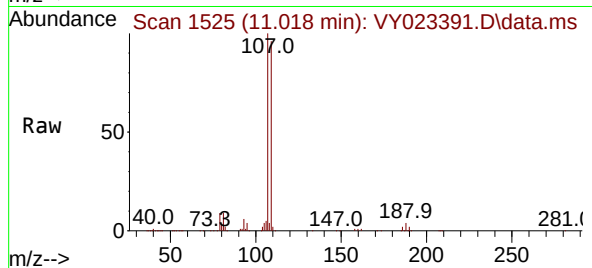
127 76.2 38.6 115.7





#61
1,2-Dibromoethane
Concen: 50.658 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

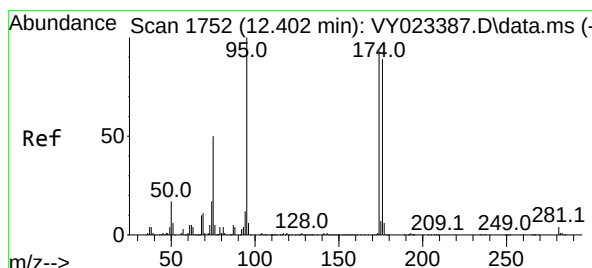
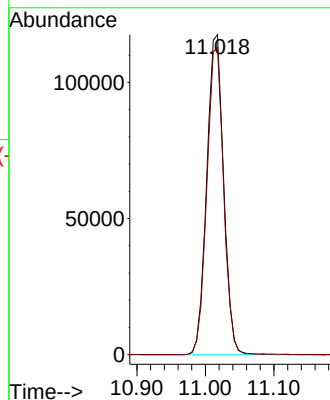
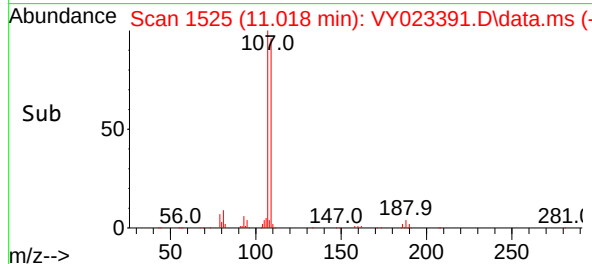
Instrument :
MSVOA_Y
ClientSampleId :
ICVY100725



Tgt Ion:107 Resp: 201415
Ion Ratio Lower Upper
107 100
109 95.4 76.1 114.1

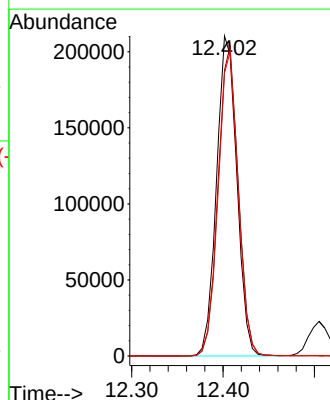
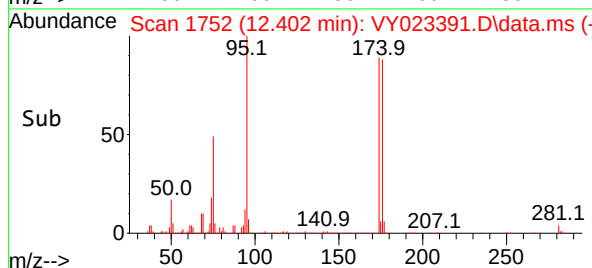
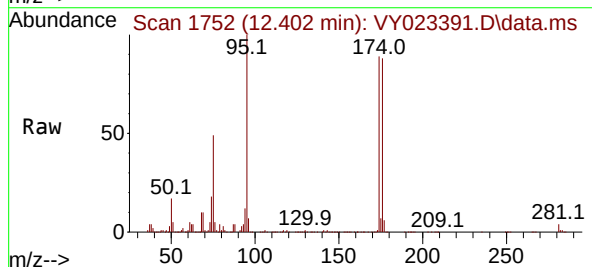
Manual Integrations
APPROVED

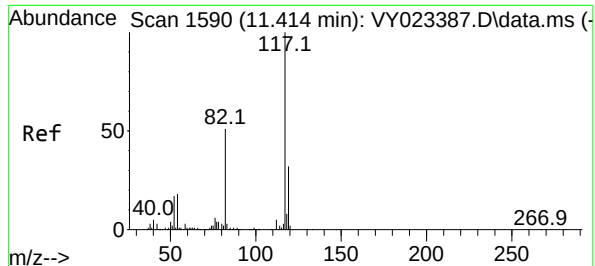
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

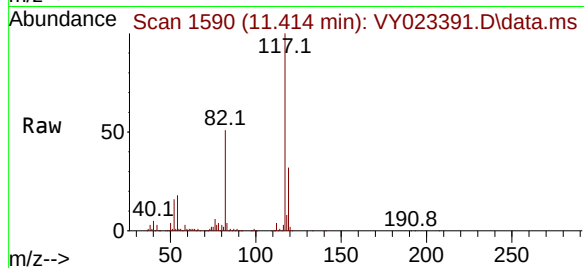
Tgt Ion: 95 Resp: 324700
Ion Ratio Lower Upper
95 100
174 96.3 0.0 192.8
176 93.9 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

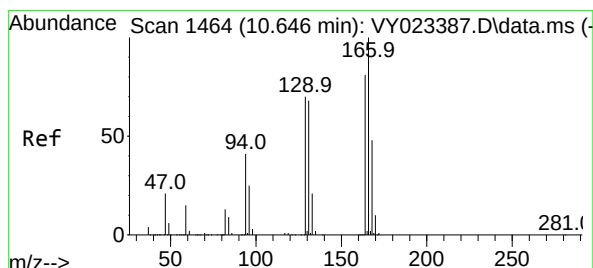
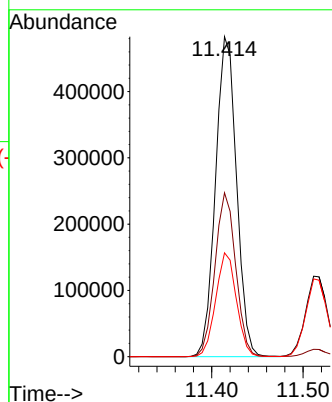
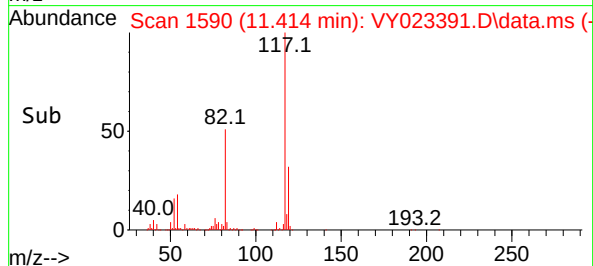
Instrument :
MSVOA_Y
ClientSampleId :
ICVY100725



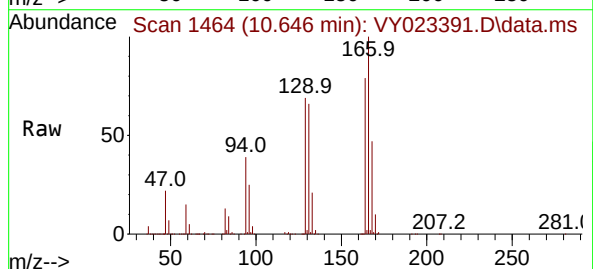
Tgt Ion:117 Resp: 771372
Ion Ratio Lower Upper
117 100
82 51.2 41.0 61.4
119 32.5 25.6 38.4

Manual Integrations
APPROVED

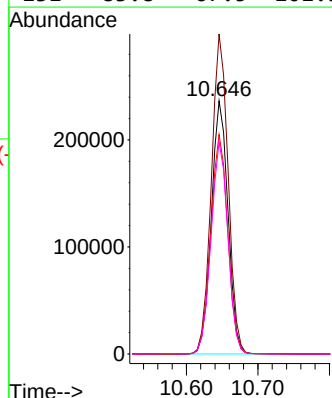
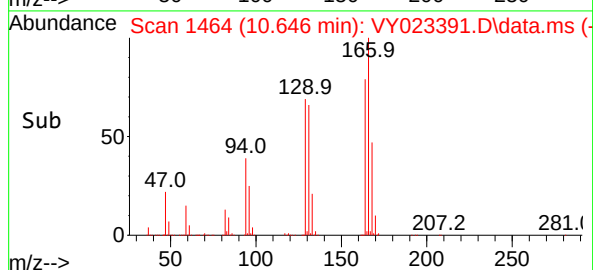
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

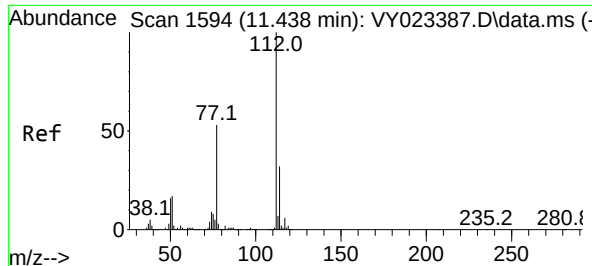


#64
Tetrachloroethene
Concen: 48.087 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12



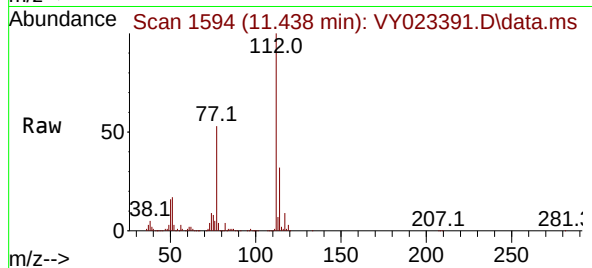
Tgt Ion:164 Resp: 382998
Ion Ratio Lower Upper
164 100
166 126.4 99.4 149.0
129 86.7 69.4 104.2
131 83.8 67.5 101.3





#65
Chlorobenzene
Concen: 49.381 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

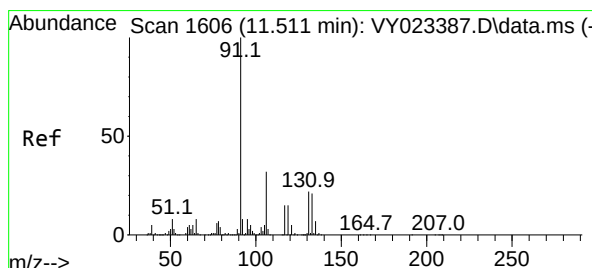
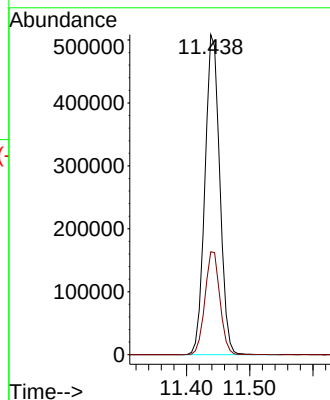
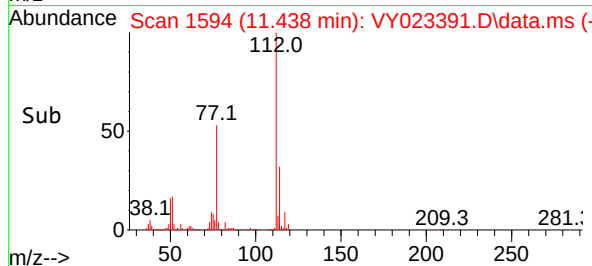
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion:112 Resp: 828460
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

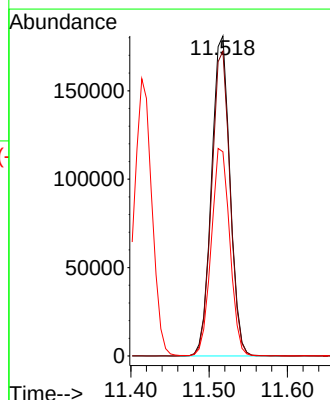
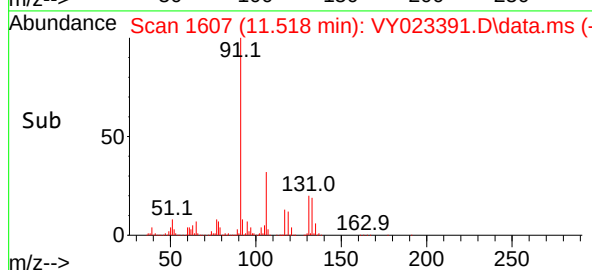
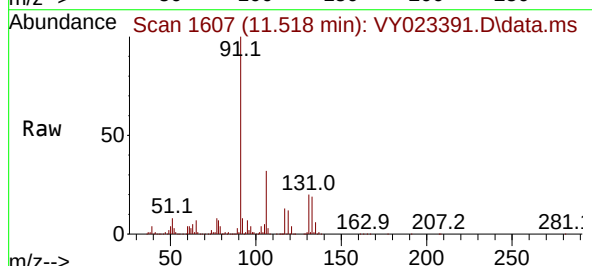
Manual Integrations
APPROVED

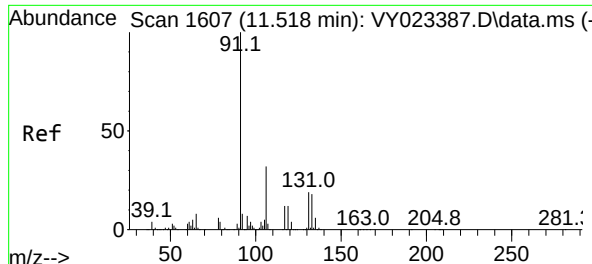
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.537 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

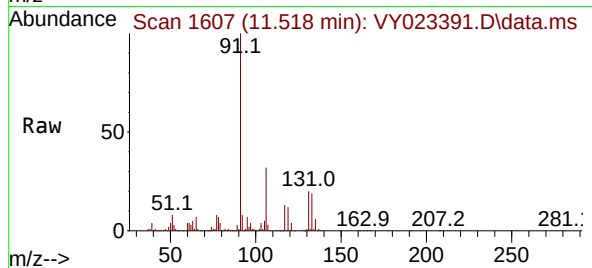
Tgt Ion:131 Resp: 296157
Ion Ratio Lower Upper
131 100
133 95.1 48.4 145.2
119 65.2 32.4 97.2





#67
Ethyl Benzene
Concen: 50.841 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

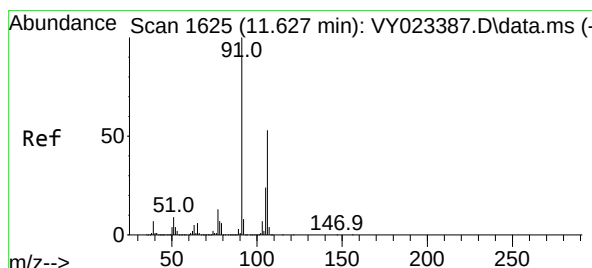
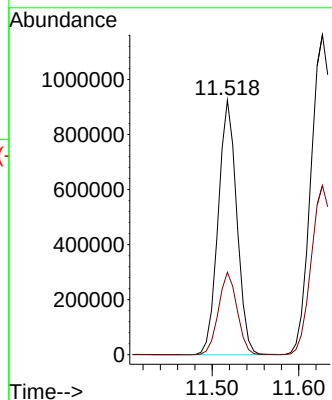
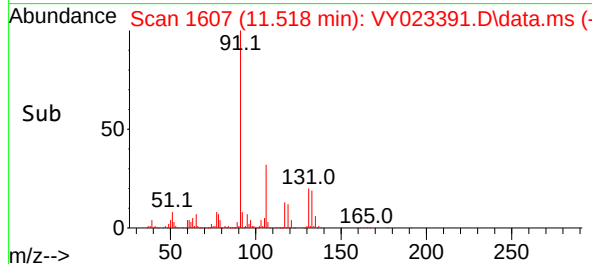
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 91 Resp: 138069
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8

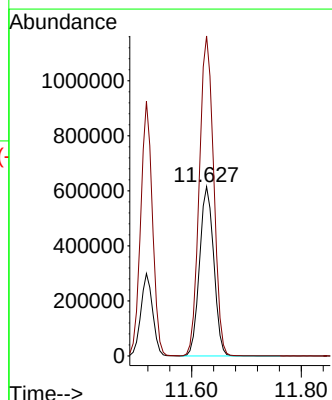
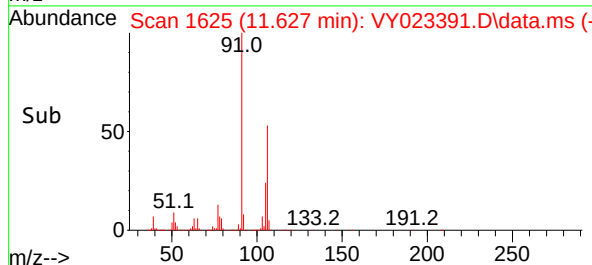
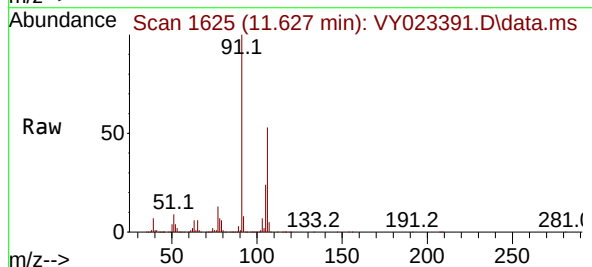
Manual Integrations
APPROVED

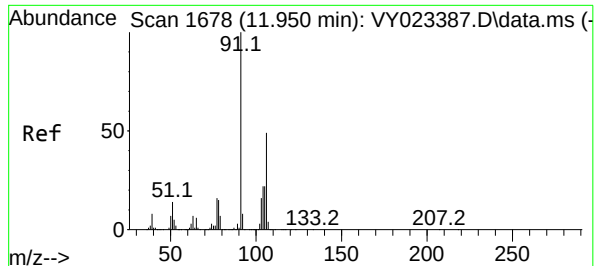
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
m/p-Xylenes
Concen: 101.757 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

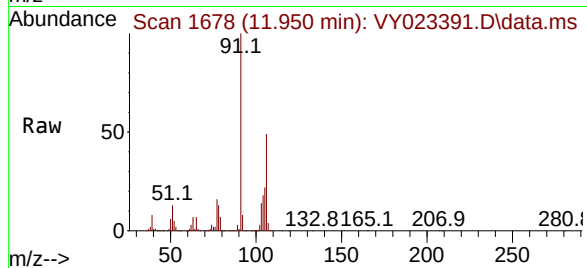
Tgt Ion:106 Resp: 1108386
Ion Ratio Lower Upper
106 100
91 190.7 152.6 229.0





#69
o-Xylene
Concen: 51.577 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

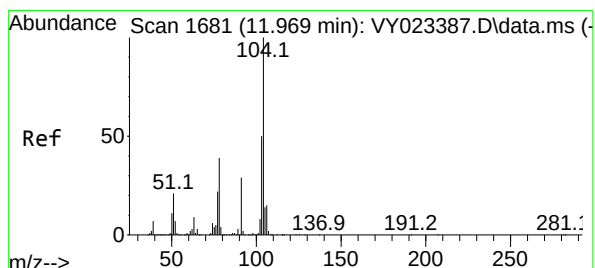
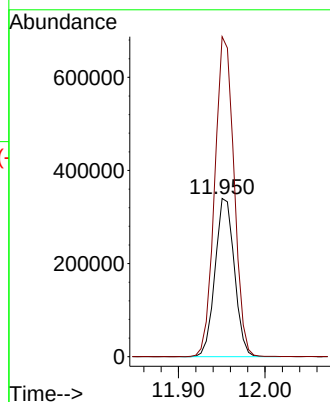
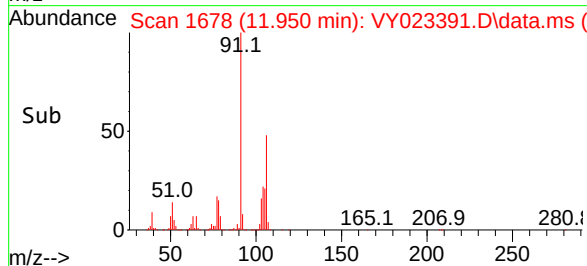
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion:106 Resp: 526954
Ion Ratio Lower Upper
106 100
91 202.1 101.4 304.1

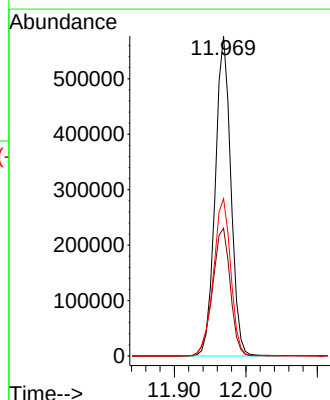
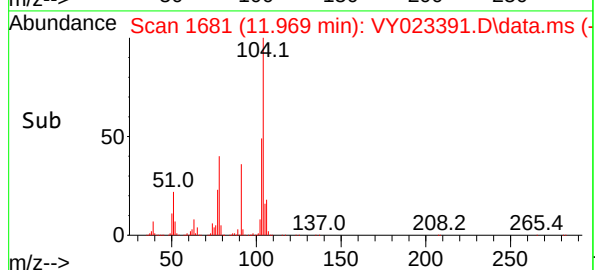
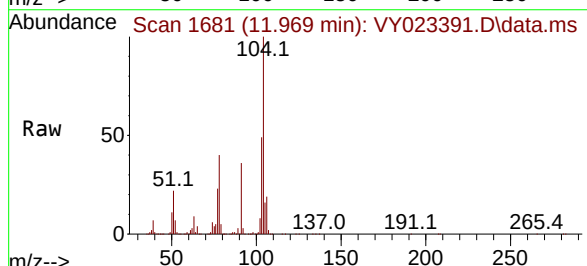
Manual Integrations
APPROVED

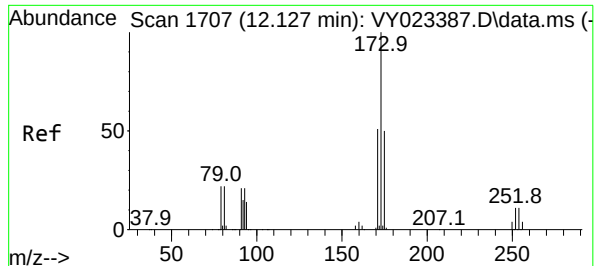
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
Styrene
Concen: 52.122 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

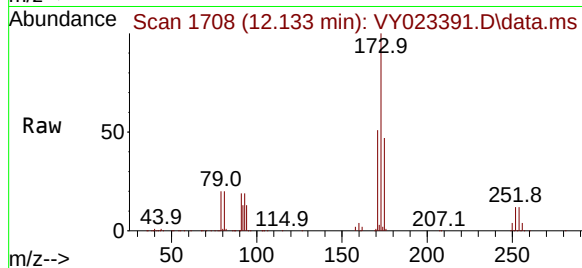
Tgt Ion:104 Resp: 875709
Ion Ratio Lower Upper
104 100
78 45.3 36.1 54.1
103 54.2 43.2 64.8





#71
Bromoform
Concen: 50.070 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

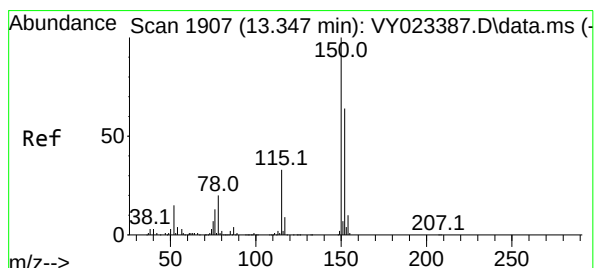
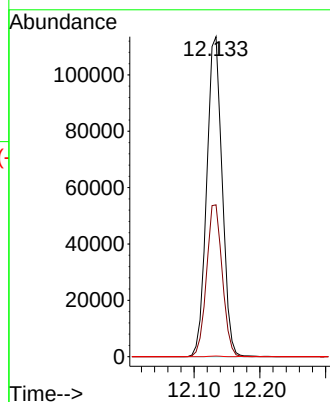
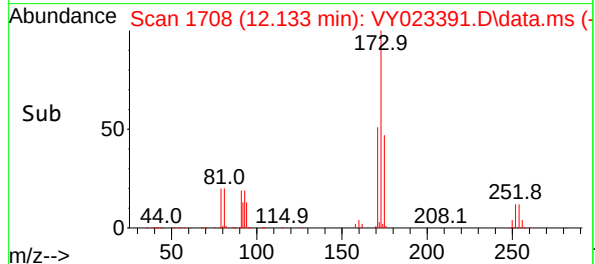
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion:173 Resp: 185682
Ion Ratio Lower Upper
173 100
175 48.4 24.8 74.3
254 0.2 0.1 0.1

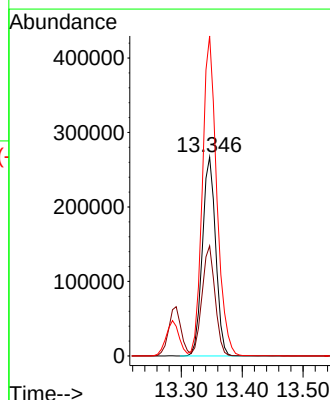
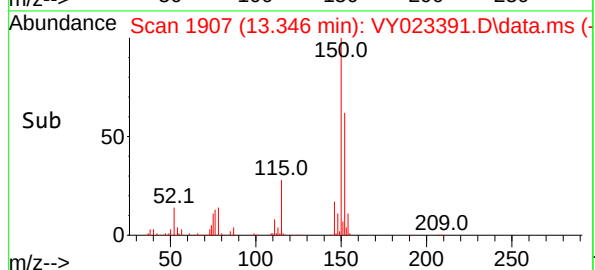
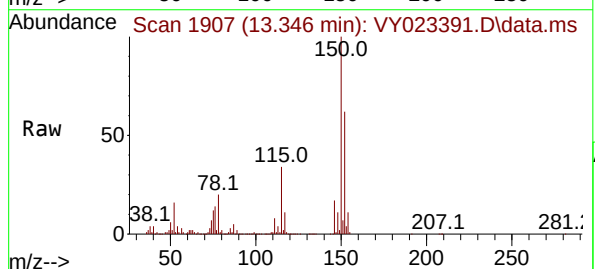
Manual Integrations
APPROVED

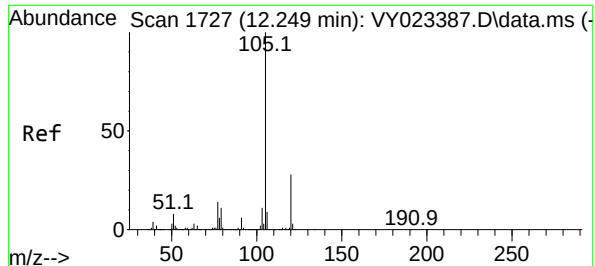
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

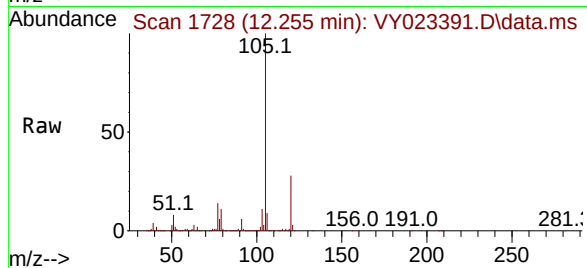
Tgt Ion:152 Resp: 405636
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 173.7 0.0 347.4





#73
Isopropylbenzene
Concen: 50.318 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

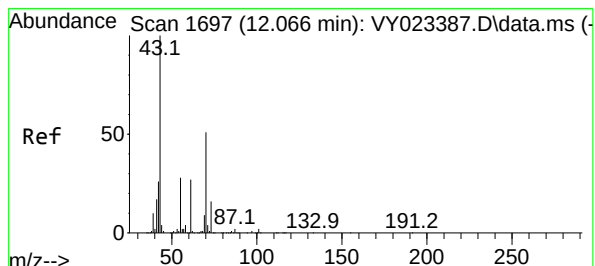
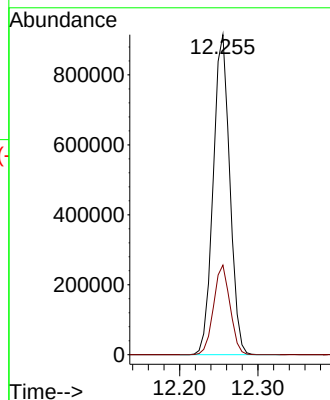
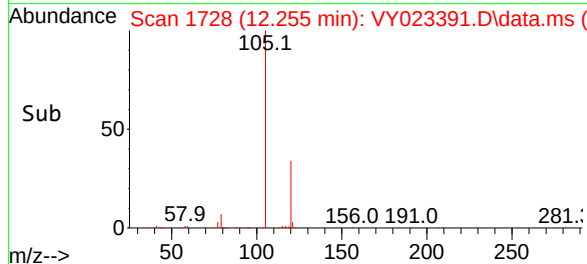
Instrument :
MSVOA_Y
ClientSampleId :
ICVY100725



Tgt Ion:105 Resp: 1345105
Ion Ratio Lower Upper
105 100
120 27.7 13.9 41.7

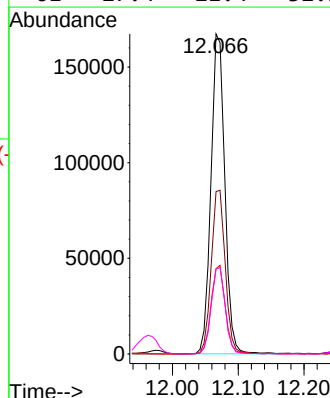
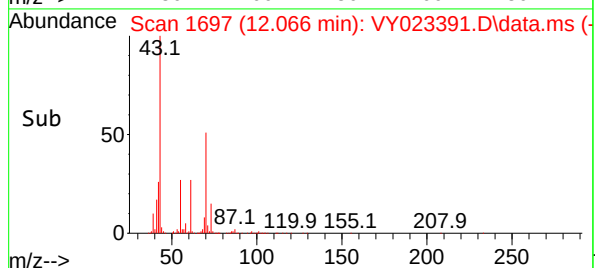
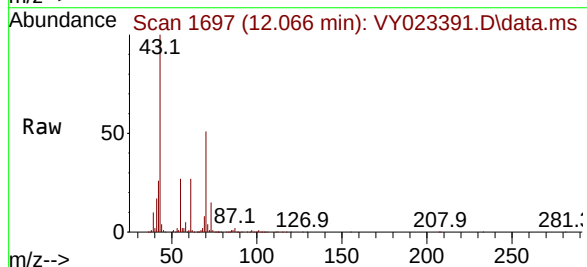
Manual Integrations
APPROVED

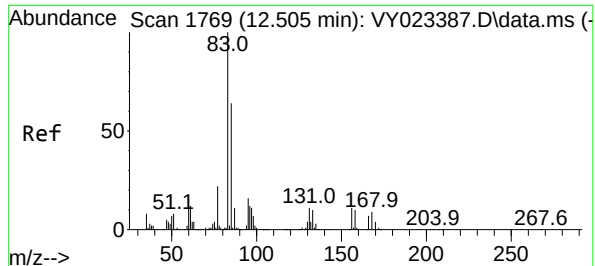
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
N-ethyl acetate
Concen: 51.087 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

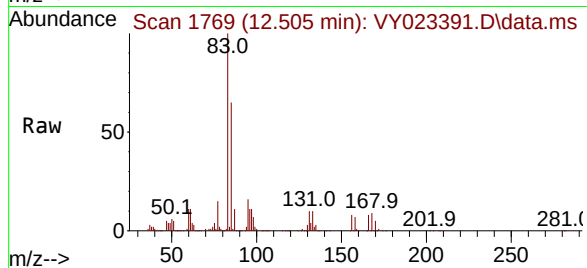
Tgt Ion: 43 Resp: 245291
Ion Ratio Lower Upper
43 100
70 51.8 41.1 61.7
55 28.3 23.0 34.6
61 27.4 21.4 32.2





#75
1,1,2-Tetrachloroethane
Concen: 49.688 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

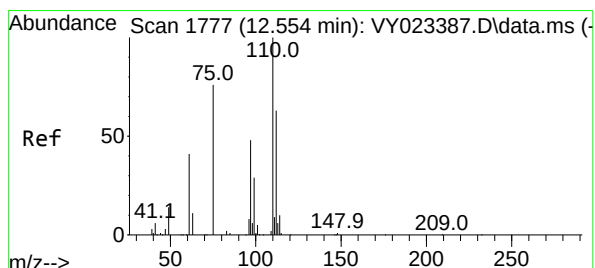
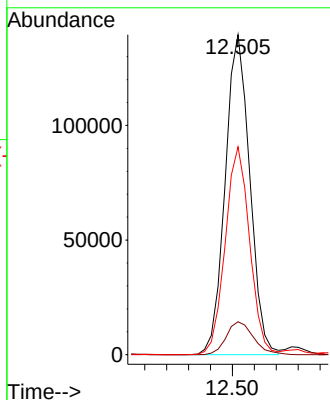
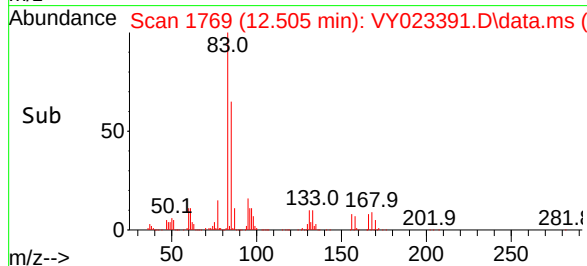
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 83 Resp: 217249
Ion Ratio Lower Upper
83 100
131 11.4 5.9 17.6
85 64.4 31.8 95.3

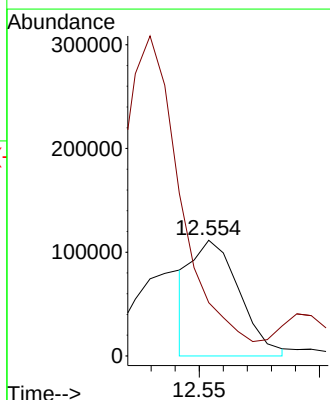
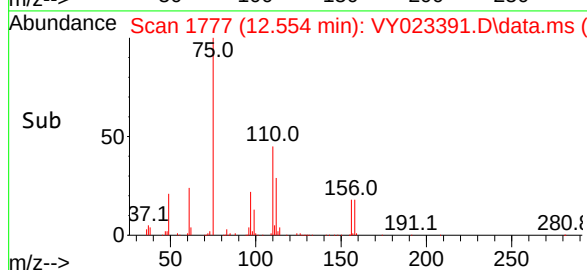
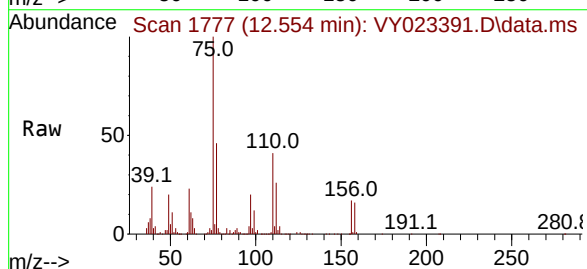
Manual Integrations
APPROVED

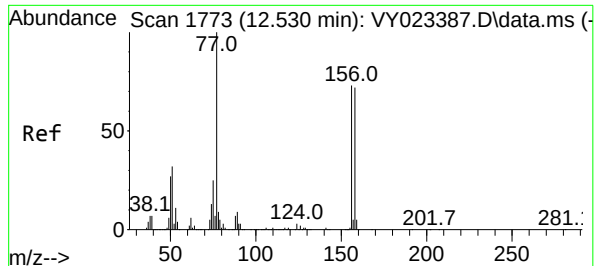
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 42.874 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

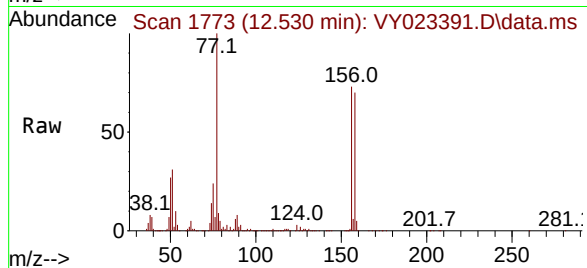
Tgt Ion: 75 Resp: 153438
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 49.590 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

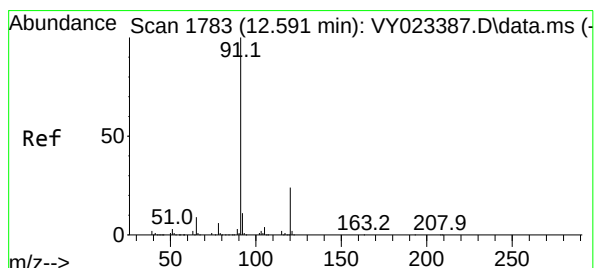
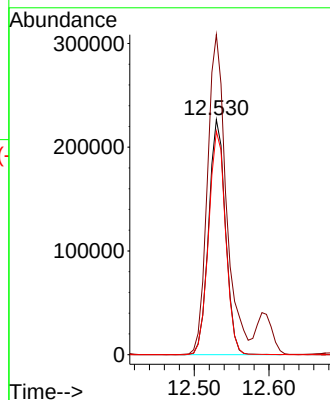
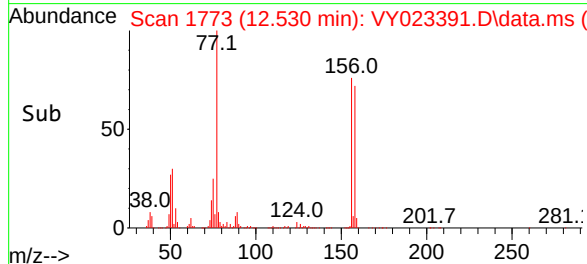
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 156 Resp: 352420
Ion Ratio Lower Upper
156 100
77 152.8 76.8 230.5
158 96.5 49.0 147.2

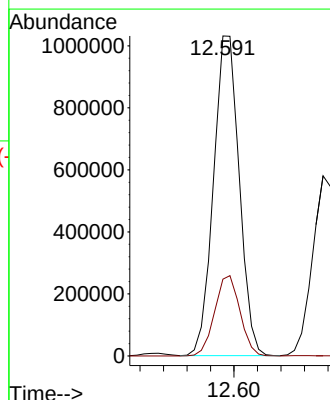
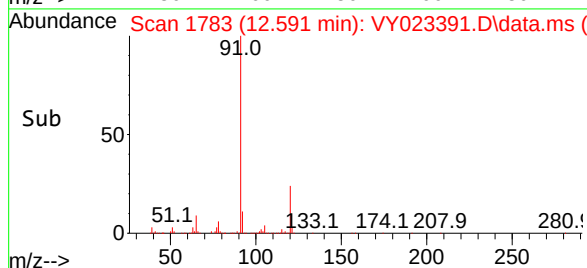
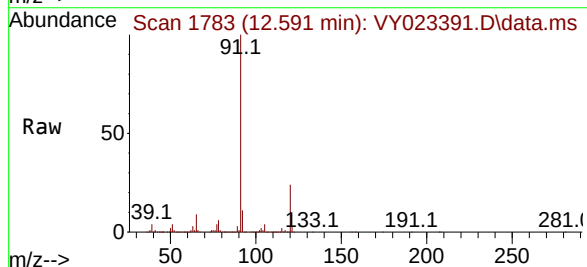
Manual Integrations
APPROVED

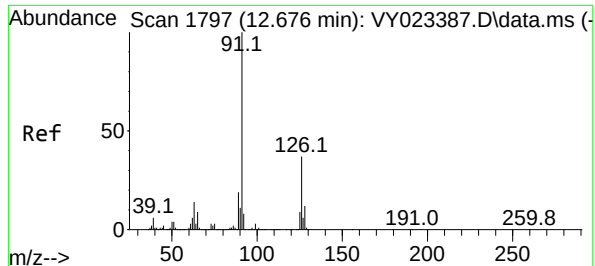
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
n-propylbenzene
Concen: 50.694 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 1568180
Ion Ratio Lower Upper
91 100
120 24.7 12.3 36.8





#79

2-Chlorotoluene

Concen: 50.047 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 91 Resp: 906610

Ion Ratio Lower Upper

91 100

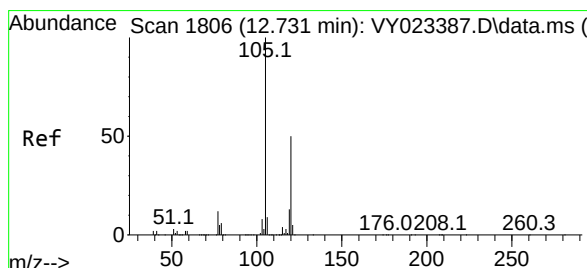
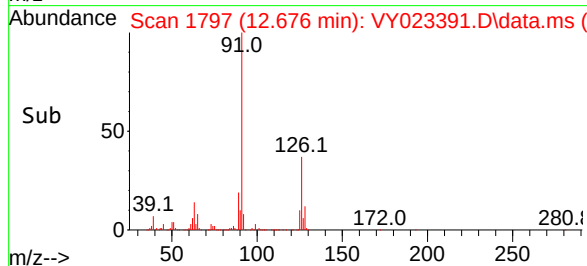
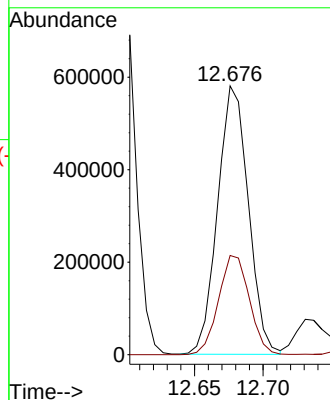
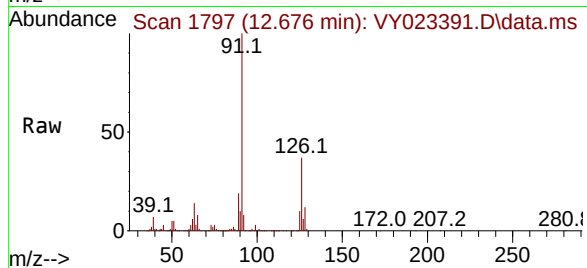
126 37.1 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.231 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023391.D

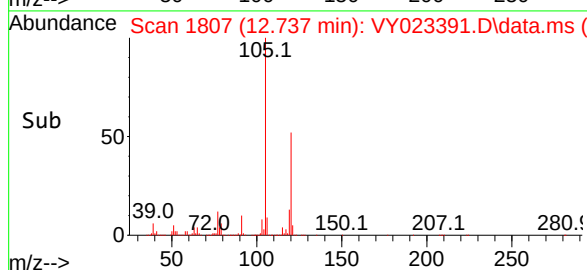
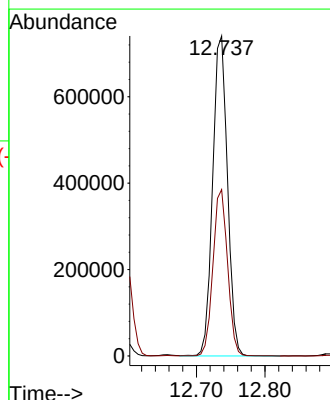
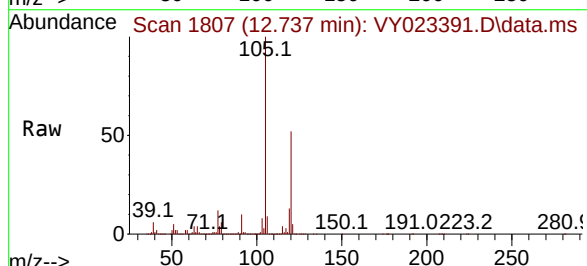
Acq: 07 Oct 2025 14:12

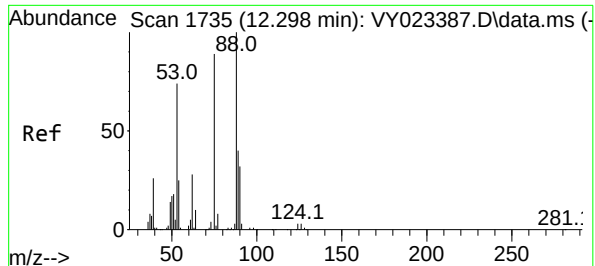
Tgt Ion:105 Resp: 1106664

Ion Ratio Lower Upper

105 100

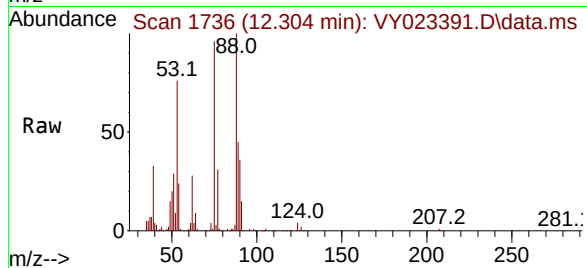
120 51.4 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 46.566 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

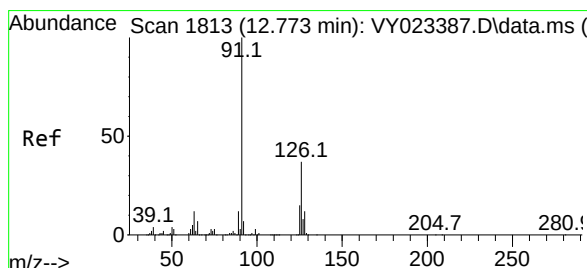
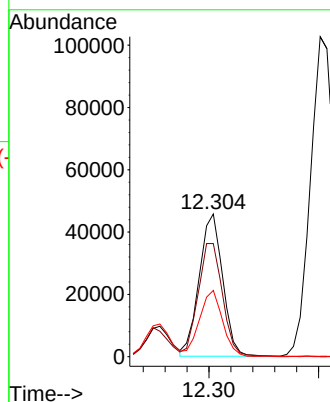
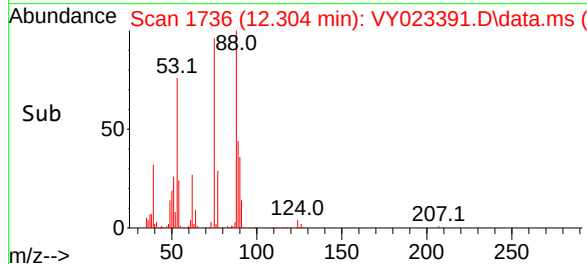
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



Tgt Ion: 75 Resp: 67959
Ion Ratio Lower Upper
75 100
53 82.6 68.6 102.8
89 46.5 39.0 58.4

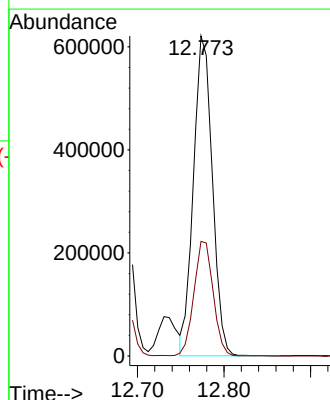
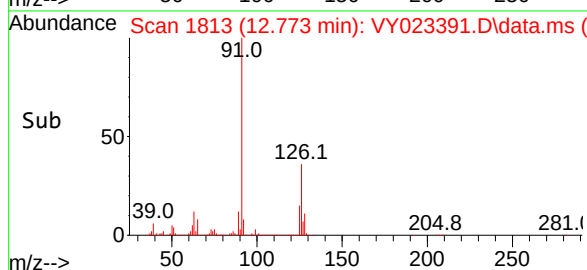
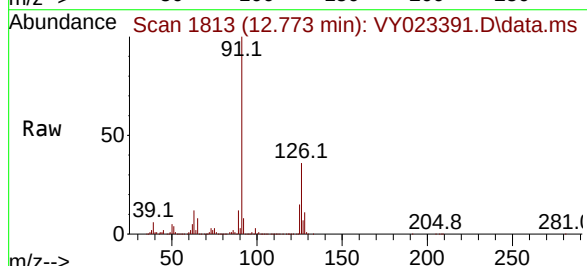
Manual Integrations
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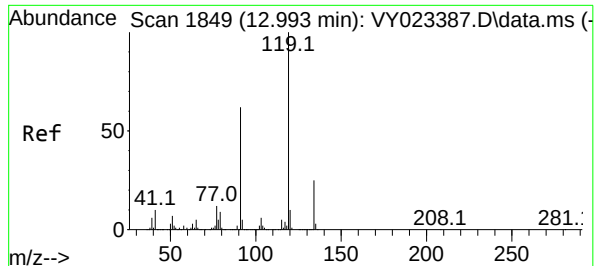
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#82
4-Chlorotoluene
Concen: 50.455 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

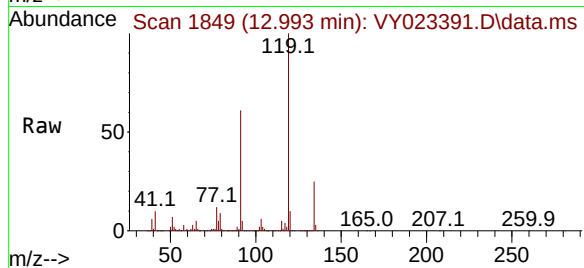
Tgt Ion: 91 Resp: 941314
Ion Ratio Lower Upper
91 100
126 36.7 18.4 55.4





#83
tert-Butylbenzene
Concen: 52.019 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

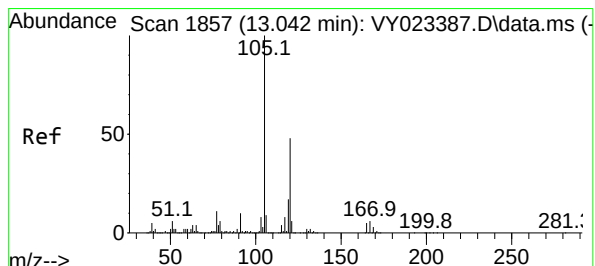
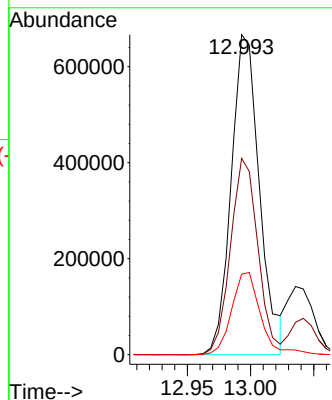
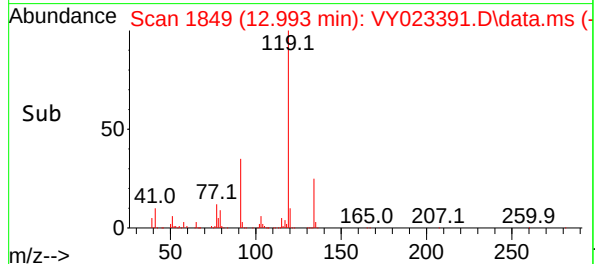
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725



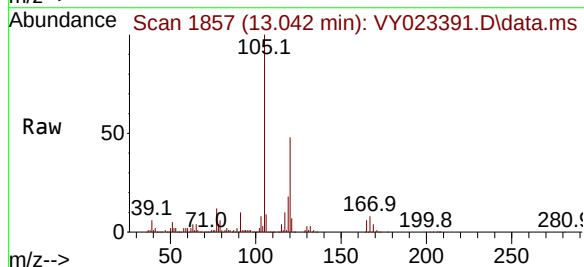
Tgt Ion:119 Resp: 1037510
Ion Ratio Lower Upper
119 100
91 59.5 29.9 89.8
134 26.3 12.9 38.7

Manual Integrations
APPROVED

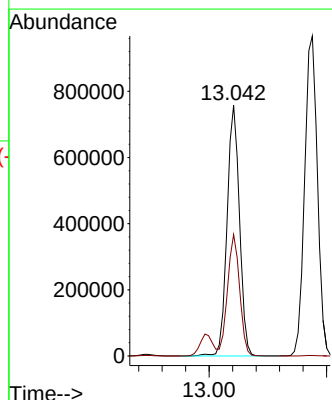
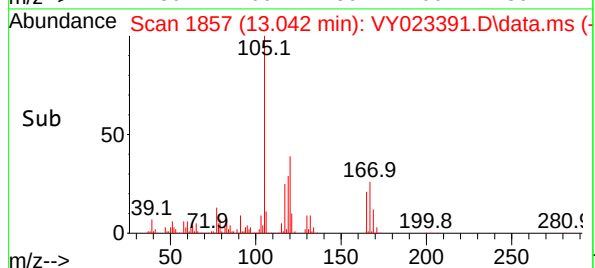
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

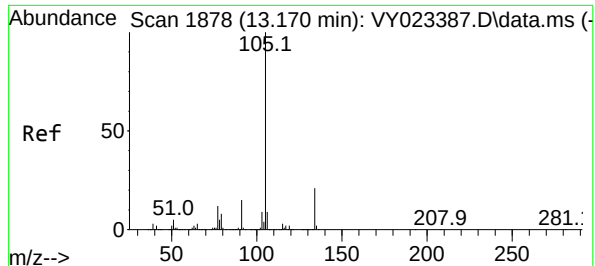


#84
1,2,4-Trimethylbenzene
Concen: 51.520 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12



Tgt Ion:105 Resp: 1110672
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.2





#85

sec-Butylbenzene

Concen: 50.848 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725

Tgt Ion:105 Resp: 1454774

Ion Ratio Lower Upper

105 100

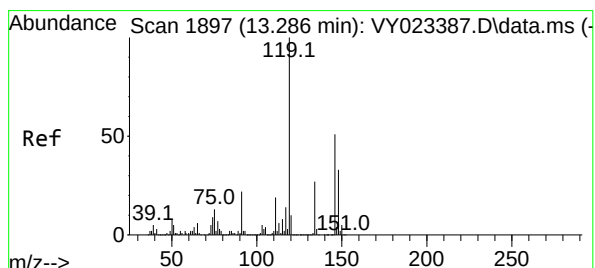
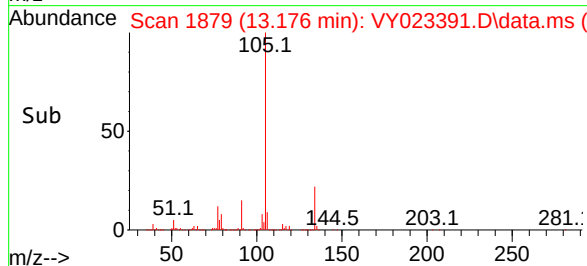
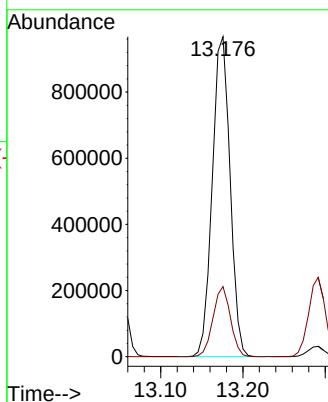
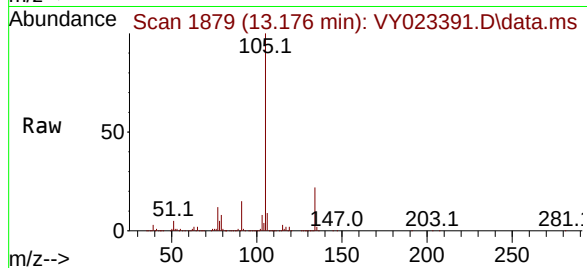
134 21.4 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#86

p-Isopropyltoluene

Concen: 51.864 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

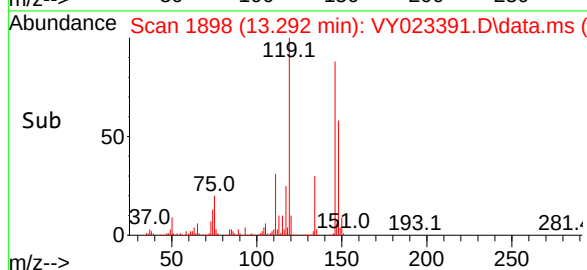
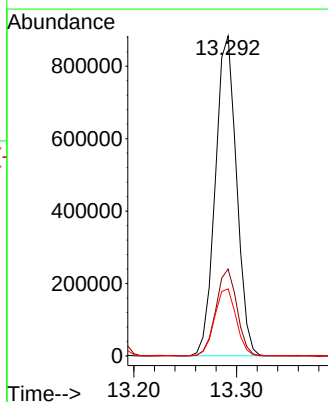
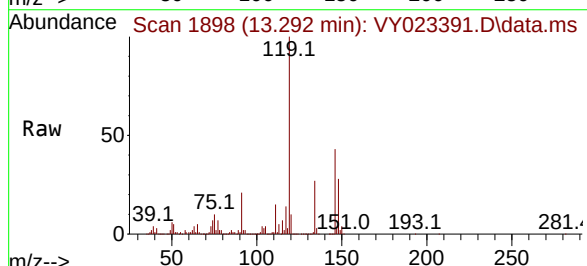
Tgt Ion:119 Resp: 1263377

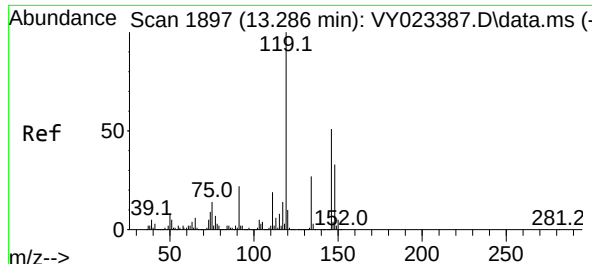
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 21.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 49.632 ug/l

RT: 13.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023391.D

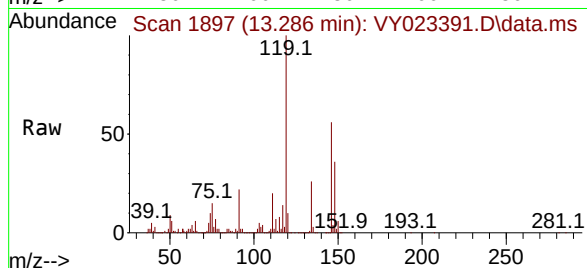
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725



Tgt Ion:146 Resp: 686854

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

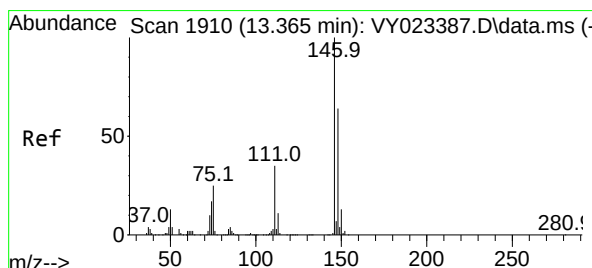
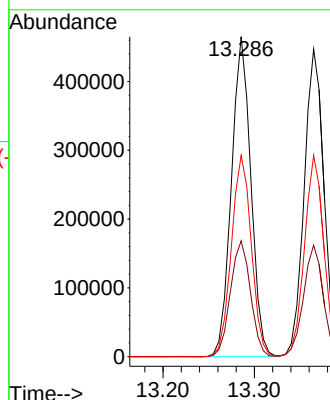
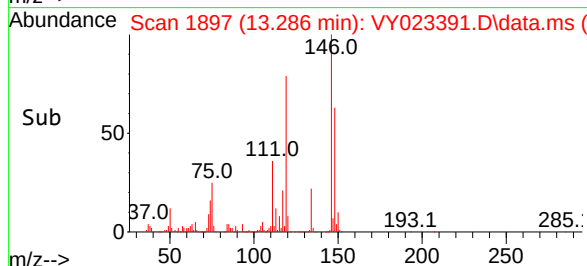
148 64.5 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#88

1,4-Dichlorobenzene

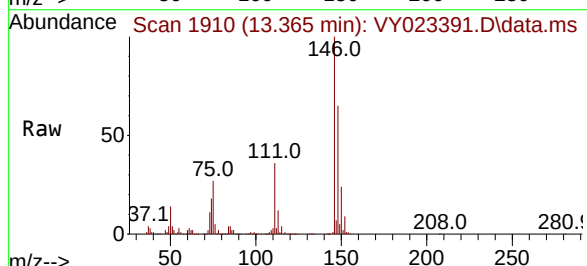
Concen: 49.140 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12



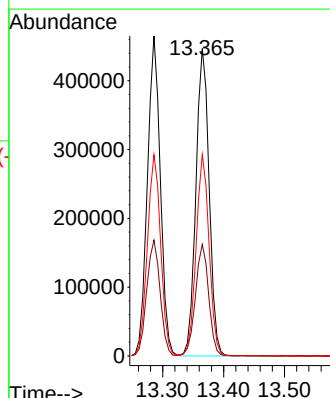
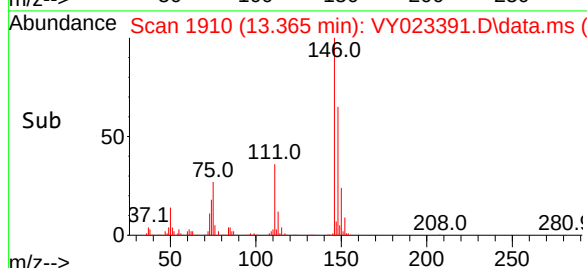
Tgt Ion:146 Resp: 671644

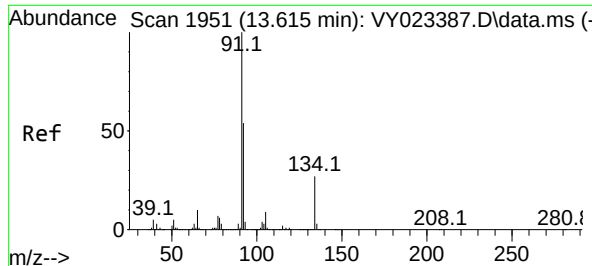
Ion Ratio Lower Upper

146 100

111 36.2 18.0 54.0

148 64.2 31.9 95.7





#89

n-Butylbenzene

Concen: 51.829 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725

Tgt Ion: 91 Resp: 1100080

Ion Ratio Lower Upper

91 100

92 53.4 27.0 80.8

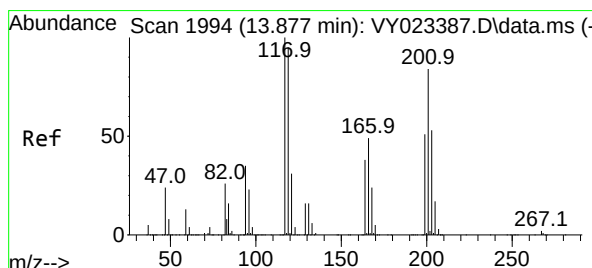
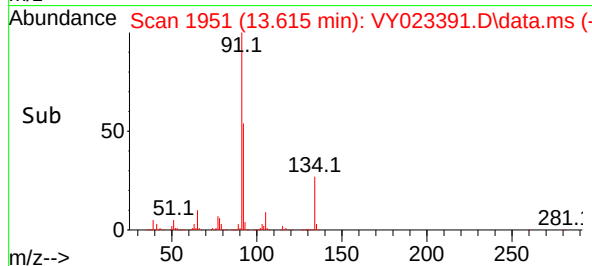
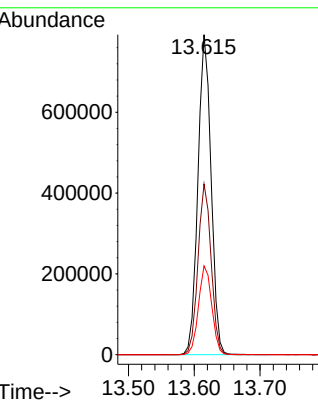
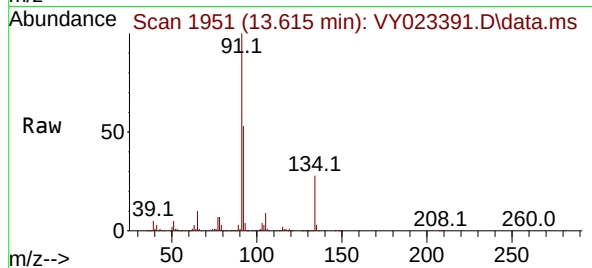
134 28.1 14.1 42.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#90

Hexachloroethane

Concen: 49.116 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023391.D

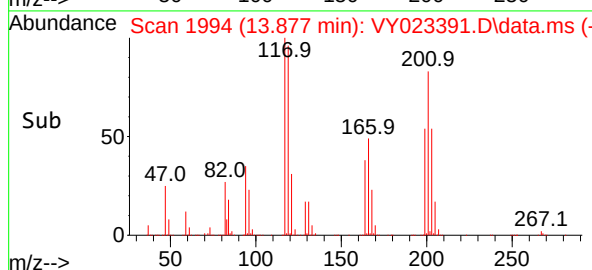
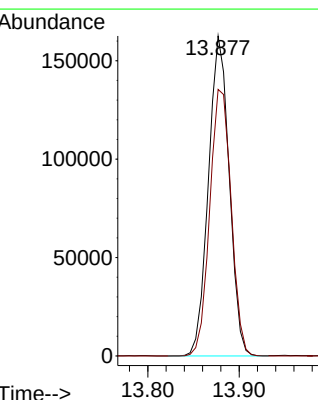
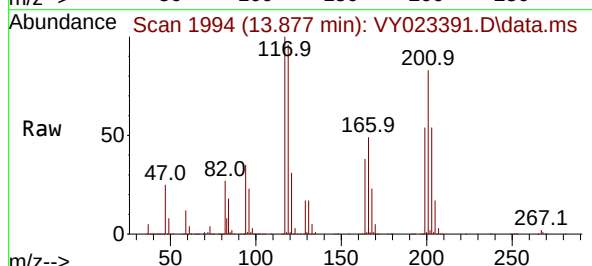
Acq: 07 Oct 2025 14:12

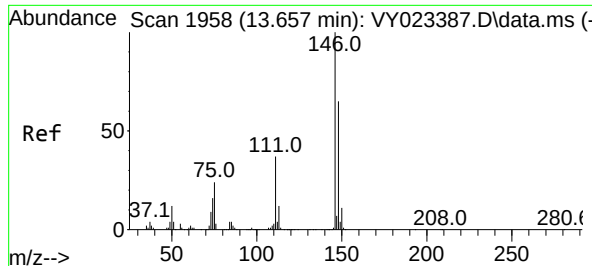
Tgt Ion:117 Resp: 257335

Ion Ratio Lower Upper

117 100

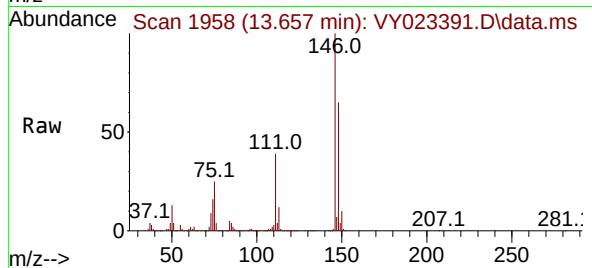
201 85.7 43.8 131.4





#91
1,2-Dichlorobenzene
Concen: 49.698 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

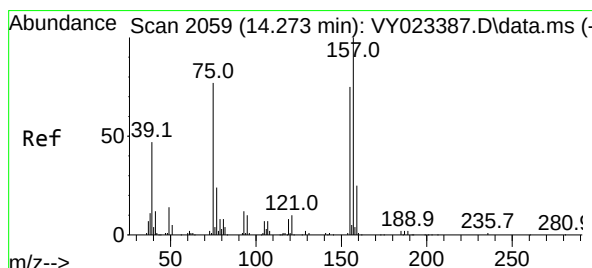
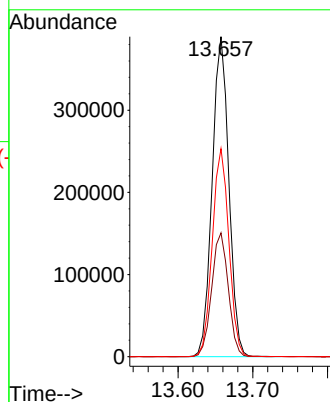
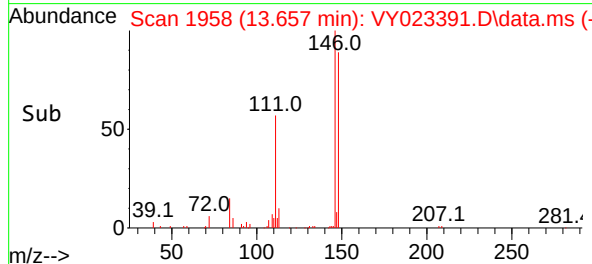
Instrument :
MSVOA_Y
ClientSampleId :
ICVY100725



Tgt Ion:146 Resp: 602989
Ion Ratio Lower Upper
146 100
111 38.7 19.0 57.0
148 64.8 32.1 96.3

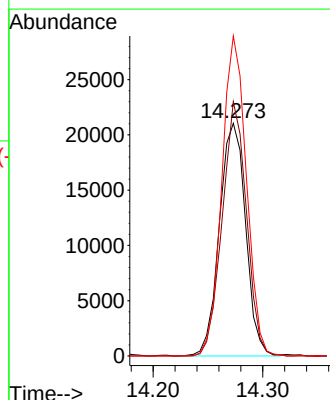
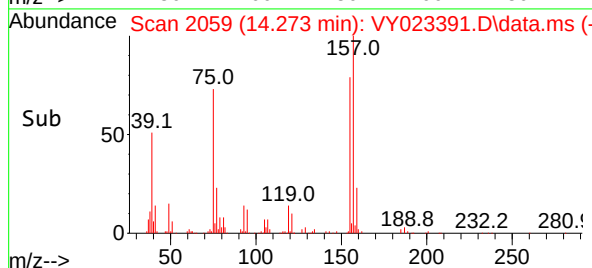
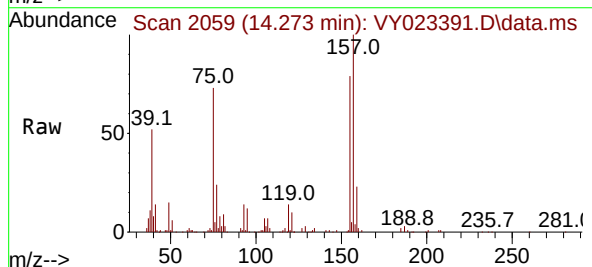
Manual Integrations
APPROVED

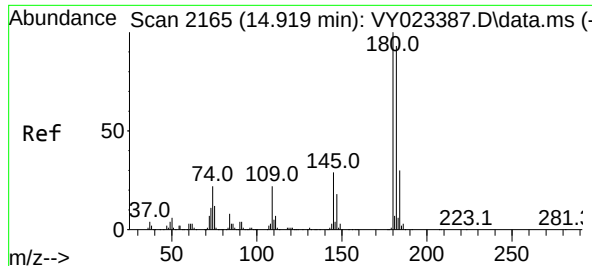
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.687 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 34928
Ion Ratio Lower Upper
75 100
155 101.5 50.0 150.0
157 128.5 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 51.138 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023391.D

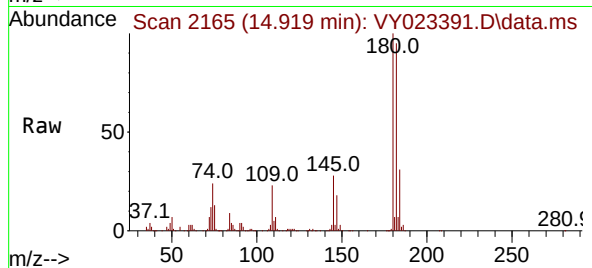
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY100725



Tgt Ion:180 Resp: 386800

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.6

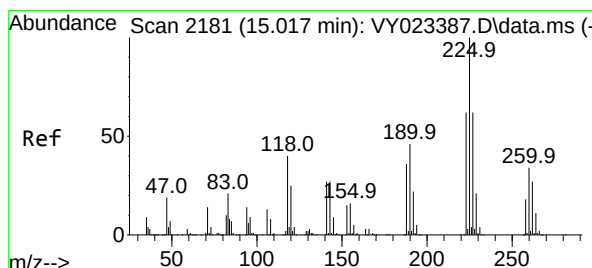
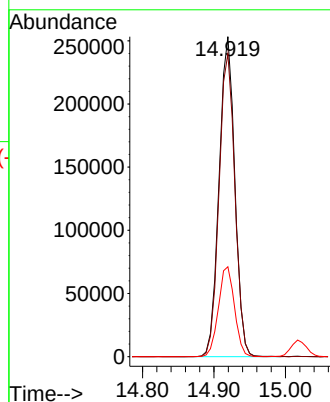
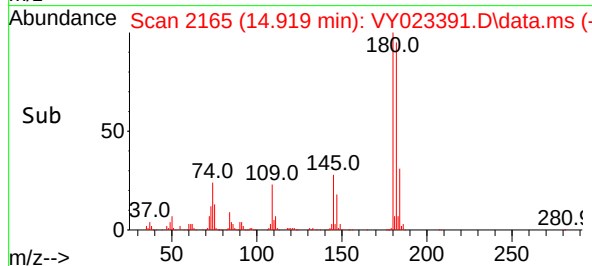
145 28.8 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#94

Hexachlorobutadiene

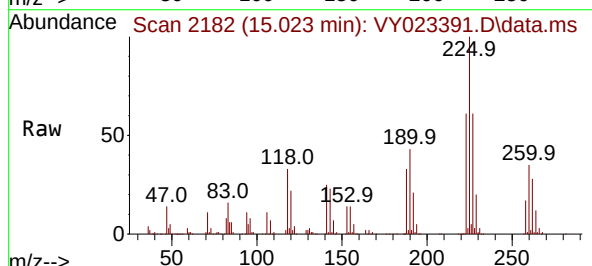
Concen: 50.061 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12



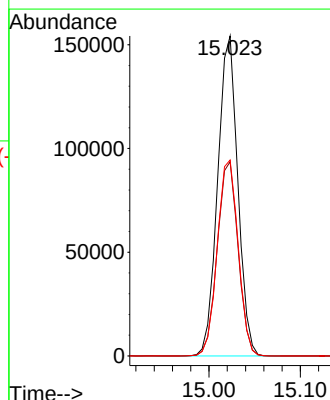
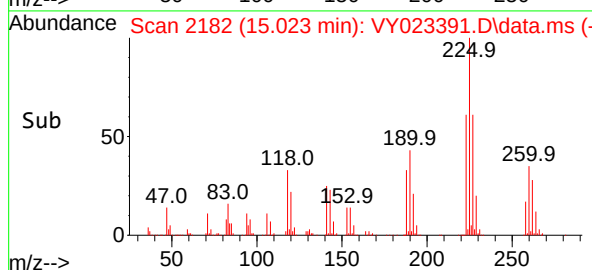
Tgt Ion:225 Resp: 236040

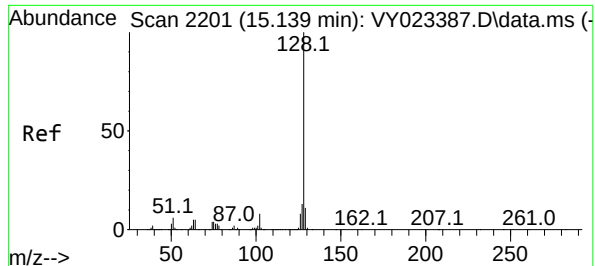
Ion Ratio Lower Upper

225 100

223 62.6 30.8 92.3

227 63.6 31.9 95.7





#95

Naphthalene

Concen: 52.154 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY023391.D

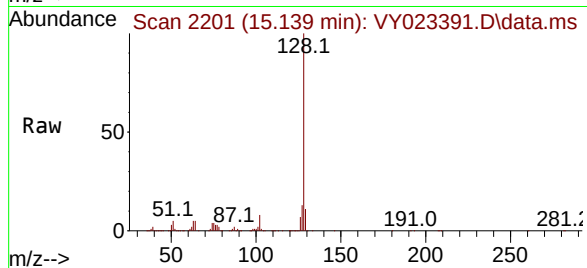
Acq: 07 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

ICVY100725



Tgt Ion:128 Resp: 628190

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

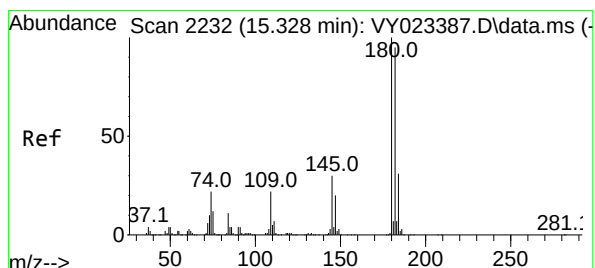
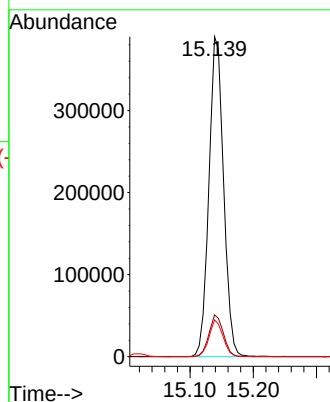
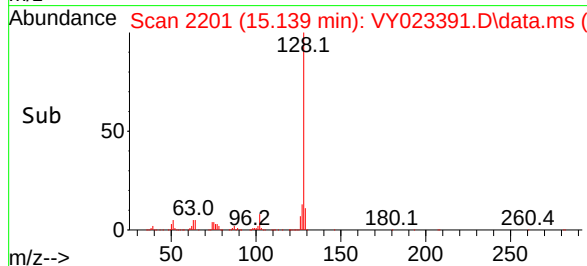
129 11.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#96

1,2,3-Trichlorobenzene

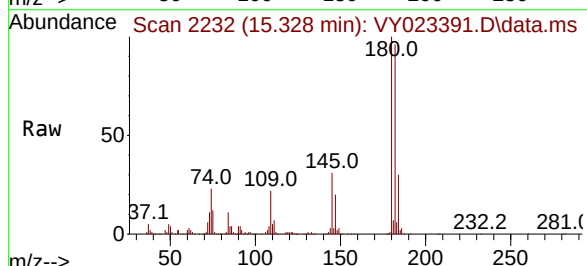
Concen: 51.172 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023391.D

Acq: 07 Oct 2025 14:12



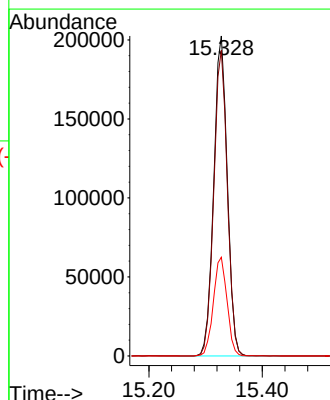
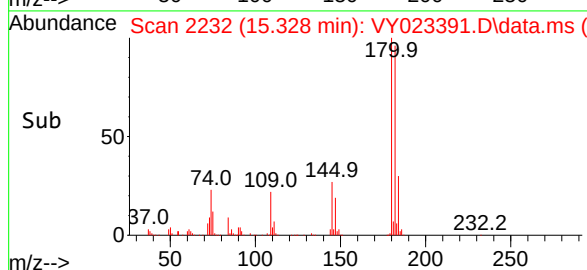
Tgt Ion:180 Resp: 335267

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 31.1 15.3 45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	50.000	44.916	10.2	98	0.00
3 P	Chloromethane	50.000	52.519	-5.0	112	0.00
4 C	Vinyl Chloride	50.000	49.449	1.1#	103	0.00
5 T	Bromomethane	50.000	48.856	2.3	109	0.00
6 T	Chloroethane	50.000	51.367	-2.7	105	0.00
7 T	Trichlorofluoromethane	50.000	48.582	2.8	100	0.00
8 T	Diethyl Ether	50.000	51.050	-2.1	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.728	2.5	100	0.00
10 T	Methyl Iodide	50.000	51.875	-3.8	96	0.00
11 T	Tert butyl alcohol	250.000	231.079	7.6	112	0.00
12 CM	1,1-Dichloroethene	50.000	49.653	0.7#	101	0.00
13 T	Acrolein	250.000	246.184	1.5	101	0.00
14 T	Allyl chloride	50.000	50.645	-1.3	102	0.00
15 T	Acrylonitrile	250.000	251.575	-0.6	106	0.00
16 T	Acetone	250.000	212.910	14.8	99	0.00
17 T	Carbon Disulfide	50.000	50.021	-0.0	101	0.00
18 T	Methyl Acetate	50.000	50.439	-0.9	104	0.00
19 T	Methyl tert-butyl Ether	50.000	52.230	-4.5	107	0.00
20 T	Methylene Chloride	50.000	52.503	-5.0	120	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.482	-3.0	105	0.00
22 T	Diisopropyl ether	50.000	51.364	-2.7	103	0.00
23 T	Vinyl Acetate	250.000	260.981	-4.4	106	0.00
24 P	1,1-Dichloroethane	50.000	50.742	-1.5	104	0.00
25 T	2-Butanone	250.000	233.083	6.8	105	0.00
26 T	2,2-Dichloropropane	50.000	49.626	0.7	100	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.485	-5.0	107	0.00
28 T	Bromochloromethane	50.000	45.427	9.1	99	0.00
29 T	Tetrahydrofuran	250.000	253.317	-1.3	107	0.00
30 C	Chloroform	50.000	51.137	-2.3#	104	0.00
31 T	Cyclohexane	50.000	47.416	5.2	100	0.00
32 T	1,1,1-Trichloroethane	50.000	49.934	0.1	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.450	1.1	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	49.116	1.8	101	0.00
36 T	1,1-Dichloropropene	50.000	49.761	0.5	102	0.00
37 T	Ethyl Acetate	50.000	49.740	0.5	107	0.00
38 T	Carbon Tetrachloride	50.000	48.671	2.7	100	0.00
39 T	Methylcyclohexane	50.000	49.970	0.1	101	0.00
40 TM	Benzene	50.000	49.906	0.2	102	0.00
41 T	Methacrylonitrile	50.000	48.008	4.0	105	0.00
42 TM	1,2-Dichloroethane	50.000	49.318	1.4	104	0.00
43 T	Isopropyl Acetate	50.000	50.548	-1.1	108	0.00
44 TM	Trichloroethene	50.000	49.120	1.8	101	0.00
45 C	1,2-Dichloropropane	50.000	50.355	-0.7#	105	0.00
46 T	Dibromomethane	50.000	50.885	-1.8	106	0.00
47 T	Bromodichloromethane	50.000	50.450	-0.9	104	0.00
48 T	Methyl methacrylate	50.000	49.440	1.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1039.252	-3.9	110	0.00
50 S	Toluene-d8	50.000	49.228	1.5	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	253.421	-1.4	106	0.00
52 CM	Toluene	50.000	51.556	-3.1#	105	0.00
53 T	t-1,3-Dichloropropene	50.000	51.160	-2.3	105	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.649	-3.3	106	0.00
55 T	1,1,2-Trichloroethane	50.000	50.430	-0.9	106	0.00
56 T	Ethyl methacrylate	50.000	53.385	-6.8	107	0.00
57 T	1,3-Dichloropropane	50.000	51.113	-2.2	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	272.133	-8.9	106	0.00
59 T	2-Hexanone	250.000	245.480	1.8	105	0.00
60 T	Dibromochloromethane	50.000	50.974	-1.9	106	0.00
61 T	1,2-Dibromoethane	50.000	50.658	-1.3	105	0.00
62 S	4-Bromofluorobenzene	50.000	49.881	0.2	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64 T	Tetrachloroethene	50.000	48.087	3.8	98	0.00
65 PM	Chlorobenzene	50.000	49.381	1.2	105	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.537	0.9	106	0.00
67 C	Ethyl Benzene	50.000	50.841	-1.7#	104	0.00
68 T	m/p-Xylenes	100.000	101.757	-1.8	103	0.00
69 T	o-Xylene	50.000	51.577	-3.2	105	0.00
70 T	Styrene	50.000	52.122	-4.2	105	0.00
71 P	Bromoform	50.000	50.070	-0.1	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	50.318	-0.6	103	0.00
74 T	N-amyl acetate	50.000	51.087	-2.2	108	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.688	0.6	111	0.00
76 T	1,2,3-Trichloropropane	50.000	42.874	14.3	90	0.00
77 T	Bromobenzene	50.000	49.590	0.8	106	0.00
78 T	n-propylbenzene	50.000	50.694	-1.4	103	0.00
79 T	2-Chlorotoluene	50.000	50.047	-0.1	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.231	-2.5	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.566	6.9	103	0.00
82 T	4-Chlorotoluene	50.000	50.455	-0.9	105	0.00
83 T	tert-Butylbenzene	50.000	52.019	-4.0	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.520	-3.0	105	0.00
85 T	sec-Butylbenzene	50.000	50.848	-1.7	104	0.00
86 T	p-Isopropyltoluene	50.000	51.864	-3.7	104	0.00
87 T	1,3-Dichlorobenzene	50.000	49.632	0.7	106	0.00
88 T	1,4-Dichlorobenzene	50.000	49.140	1.7	105	0.00
89 T	n-Butylbenzene	50.000	51.829	-3.7	105	0.00
90 T	Hexachloroethane	50.000	49.116	1.8	105	0.00
91 T	1,2-Dichlorobenzene	50.000	49.698	0.6	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.687	2.6	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.138	-2.3	107	0.00
94 T	Hexachlorobutadiene	50.000	50.061	-0.1	104	0.00
95 T	Naphthalene	50.000	52.154	-4.3	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.172	-2.3	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.360	0.323	10.3	98	0.00
3 P	Chloromethane	0.490	0.515	-5.1	112	0.00
4 C	Vinyl Chloride	0.639	0.632	1.1#	103	0.00
5 T	Bromomethane	0.536	0.524	2.2	109	0.00
6 T	Chloroethane	0.435	0.447	-2.8	105	0.00
7 T	Trichlorofluoromethane	0.887	0.862	2.8	100	0.00
8 T	Diethyl Ether	0.232	0.237	-2.2	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.460	0.448	2.6	100	0.00
10 T	Methyl Iodide	0.512	0.531	-3.7	96	0.00
11 T	Tert butyl alcohol	0.031	0.029	6.5	112	0.00
12 CM	1,1-Dichloroethene	0.446	0.443	0.7#	101	0.00
13 T	Acrolein	0.044	0.043	2.3	101	0.00
14 T	Allyl chloride	0.544	0.551	-1.3	102	0.00
15 T	Acrylonitrile	0.089	0.089	0.0	106	0.00
16 T	Acetone	0.100	0.085	15.0	99	0.00
17 T	Carbon Disulfide	1.277	1.277	0.0	101	0.00
18 T	Methyl Acetate	0.261	0.263	-0.8	104	0.00
19 T	Methyl tert-butyl Ether	1.072	1.120	-4.5	107	0.00
20 T	Methylene Chloride	0.538	0.565	-5.0	120	0.00
21 T	trans-1,2-Dichloroethene	0.491	0.506	-3.1	105	0.00
22 T	Diisopropyl ether	1.202	1.235	-2.7	103	0.00
23 T	Vinyl Acetate	0.651	0.679	-4.3	106	0.00
24 P	1,1-Dichloroethane	0.796	0.808	-1.5	104	0.00
25 T	2-Butanone	0.122	0.113	7.4	105	0.00
26 T	2,2-Dichloropropane	0.731	0.725	0.8	100	0.00
27 T	cis-1,2-Dichloroethene	0.567	0.595	-4.9	107	0.00
28 T	Bromochloromethane	0.297	0.270	9.1	99	0.00
29 T	Tetrahydrofuran	0.069	0.070	-1.4	107	0.00
30 C	Chloroform	0.875	0.895	-2.3#	104	0.00
31 T	Cyclohexane	0.696	0.660	5.2	100	0.00
32 T	1,1,1-Trichloroethane	0.795	0.794	0.1	101	0.00
33 S	1,2-Dichloroethane-d4	0.418	0.414	1.0	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.307	0.302	1.6	101	0.00
36 T	1,1-Dichloropropene	0.407	0.405	0.5	102	0.00
37 T	Ethyl Acetate	0.161	0.160	0.6	107	0.00
38 T	Carbon Tetrachloride	0.493	0.480	2.6	100	0.00
39 T	Methylcyclohexane	0.530	0.529	0.2	101	0.00
40 TM	Benzene	1.288	1.286	0.2	102	0.00
41 T	Methacrylonitrile	0.087	0.084	3.4	105	0.00
42 TM	1,2-Dichloroethane	0.332	0.328	1.2	104	0.00
43 T	Isopropyl Acetate	0.321	0.325	-1.2	108	0.00
44 TM	Trichloroethene	0.377	0.370	1.9	101	0.00
45 C	1,2-Dichloropropane	0.285	0.287	-0.7#	105	0.00
46 T	Dibromomethane	0.180	0.183	-1.7	106	0.00
47 T	Bromodichloromethane	0.453	0.457	-0.9	104	0.00
48 T	Methyl methacrylate	0.151	0.149	1.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	110	0.00
50 S	Toluene-d8	1.144	1.126	1.6	100	0.00
51 T	4-Methyl-2-Pentanone	0.166	0.168	-1.2	106	0.00
52 CM	Toluene	0.836	0.862	-3.1#	105	0.00
53 T	t-1,3-Dichloropropene	0.394	0.403	-2.3	105	0.00
54 T	cis-1,3-Dichloropropene	0.465	0.480	-3.2	106	0.00
55 T	1,1,2-Trichloroethane	0.242	0.244	-0.8	106	0.00
56 T	Ethyl methacrylate	0.279	0.298	-6.8	107	0.00
57 T	1,3-Dichloropropane	0.383	0.392	-2.3	105	0.00
58 T	2-Chloroethyl Vinyl ether	0.125	0.136	-8.8	106	0.00
59 T	2-Hexanone	0.119	0.116	2.5	105	0.00
60 T	Dibromochloromethane	0.339	0.346	-2.1	106	0.00
61 T	1,2-Dibromoethane	0.231	0.234	-1.3	105	0.00
62 S	4-Bromofluorobenzene	0.378	0.377	0.3	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64 T	Tetrachloroethene	0.516	0.497	3.7	98	0.00
65 PM	Chlorobenzene	1.087	1.074	1.2	105	0.00
66 T	1,1,1,2-Tetrachloroethane	0.388	0.384	1.0	106	0.00
67 C	Ethyl Benzene	1.760	1.790	-1.7#	104	0.00
68 T	m/p-Xylenes	0.706	0.718	-1.7	103	0.00
69 T	o-Xylene	0.662	0.683	-3.2	105	0.00
70 T	Styrene	1.089	1.135	-4.2	105	0.00
71 P	Bromoform	0.240	0.241	-0.4	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.295	3.316	-0.6	103	0.00
74 T	N-amyl acetate	0.592	0.605	-2.2	108	0.00
75 P	1,1,2,2-Tetrachloroethane	0.539	0.536	0.6	111	0.00
76 T	1,2,3-Trichloropropane	0.441	0.378	14.3	90	0.00
77 T	Bromobenzene	0.876	0.869	0.8	106	0.00
78 T	n-propylbenzene	3.813	3.866	-1.4	103	0.00
79 T	2-Chlorotoluene	2.233	2.235	-0.1	104	0.00
80 T	1,3,5-Trimethylbenzene	2.663	2.728	-2.4	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.180	0.168	6.7	103	0.00
82 T	4-Chlorotoluene	2.300	2.321	-0.9	105	0.00
83 T	tert-Butylbenzene	2.458	2.558	-4.1	105	0.00
84 T	1,2,4-Trimethylbenzene	2.657	2.738	-3.0	105	0.00
85 T	sec-Butylbenzene	3.527	3.586	-1.7	104	0.00
86 T	p-Isopropyltoluene	3.003	3.115	-3.7	104	0.00
87 T	1,3-Dichlorobenzene	1.706	1.693	0.8	106	0.00
88 T	1,4-Dichlorobenzene	1.685	1.656	1.7	105	0.00
89 T	n-Butylbenzene	2.616	2.712	-3.7	105	0.00
90 T	Hexachloroethane	0.646	0.634	1.9	105	0.00
91 T	1,2-Dichlorobenzene	1.496	1.487	0.6	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.088	0.086	2.3	107	0.00
93 T	1,2,4-Trichlorobenzene	0.932	0.954	-2.4	107	0.00
94 T	Hexachlorobutadiene	0.581	0.582	-0.2	104	0.00
95 T	Naphthalene	1.485	1.549	-4.3	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.808	0.827	-2.4	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/09/2025 08:47</u>
Lab File ID:	<u>VY023407.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17 12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.325		-9.72	20
Chloromethane	0.490	0.457	0.1	-6.74	20
Vinyl Chloride	0.639	0.603		-5.63	20
Bromomethane	0.536	0.486		-9.33	20
Chloroethane	0.435	0.429		-1.38	20
Trichlorofluoromethane	0.887	0.840		-5.3	20
1,1,2-Trichlorotrifluoroethane	0.460	0.464		0.87	20
1,1-Dichloroethene	0.446	0.439		-1.57	20
Acetone	0.100	0.108		8	20
Carbon Disulfide	1.277	1.281		0.31	20
Methyl tert-butyl Ether	1.072	1.059		-1.21	20
Methyl Acetate	0.261	0.259		-0.77	20
Methylene Chloride	0.538	0.497		-7.62	20
trans-1,2-Dichloroethene	0.491	0.501		2.04	20
1,1-Dichloroethane	0.796	0.803	0.1	0.88	20
Cyclohexane	0.696	0.654		-6.03	20
2-Butanone	0.122	0.121		-0.82	20
Carbon Tetrachloride	0.493	0.516		4.66	20
cis-1,2-Dichloroethene	0.567	0.579		2.12	20
Bromochloromethane	0.297	0.276		-7.07	20
Chloroform	0.875	0.894		2.17	20
1,1,1-Trichloroethane	0.795	0.802		0.88	20
Methylcyclohexane	0.530	0.548		3.4	20
Benzene	1.288	1.342		4.19	20
1,2-Dichloroethane	0.332	0.340		2.41	20
Trichloroethene	0.377	0.386		2.39	20
1,2-Dichloropropane	0.285	0.296		3.86	20
Bromodichloromethane	0.453	0.475		4.86	20
4-Methyl-2-Pentanone	0.166	0.174		4.82	20
Toluene	0.836	0.894		6.94	20
t-1,3-Dichloropropene	0.394	0.411		4.32	20
cis-1,3-Dichloropropene	0.465	0.487		4.73	20
1,1,2-Trichloroethane	0.242	0.255		5.37	20
2-Hexanone	0.119	0.126		5.88	20
Dibromochloromethane	0.339	0.355		4.72	20
1,2-Dibromoethane	0.231	0.241		4.33	20
Tetrachloroethene	0.516	0.534		3.49	20
Chlorobenzene	1.087	1.103	0.3	1.47	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>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/09/2025</u> <u>08:47</u>
Lab File ID:	<u>VY023407.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.836		4.32	20
m/p-Xylenes	0.706	0.745		5.52	20
o-Xylene	0.662	0.689		4.08	20
Styrene	1.089	1.151		5.69	20
Bromoform	0.240	0.243	0.1	1.25	20
Isopropylbenzene	3.295	3.452		4.76	20
1,1,2,2-Tetrachloroethane	0.539	0.537	0.3	-0.37	20
1,3-Dichlorobenzene	1.706	1.710		0.23	20
1,4-Dichlorobenzene	1.685	1.673		-0.71	20
1,2-Dichlorobenzene	1.496	1.512		1.07	20
1,2-Dibromo-3-Chloropropane	0.088	0.085		-3.41	20
1,2,4-Trichlorobenzene	0.932	0.876		-6.01	20
1,2,3-Trichlorobenzene	0.808	0.755		-6.56	20
1,2-Dichloroethane-d4	0.418	0.413		-1.2	20
Dibromofluoromethane	0.307	0.317		3.26	20
Toluene-d8	1.144	1.201		4.98	20
4-Bromofluorobenzene	0.378	0.383		1.32	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023407.D
 Acq On : 09 Oct 2025 08:47
 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: Oct 10 04:19:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	540041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	774126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	696341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360790	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	223226	49.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.860%
35) Dibromofluoromethane	7.634	113	245021	51.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.020%
50) Toluene-d8	10.109	98	929940	52.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.000%
62) 4-Bromofluorobenzene	12.408	95	296545	50.706	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.420%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	175562	45.165	ug/l	98
3) Chloromethane	2.074	50	246897	46.626	ug/l	98
4) Vinyl Chloride	2.208	62	325565	47.203	ug/l	100
5) Bromomethane	2.599	94	262495	45.352	ug/l	99
6) Chloroethane	2.739	64	231682	49.279	ug/l	100
7) Trichlorofluoromethane	3.062	101	453600	47.366	ug/l	99
8) Diethyl Ether	3.458	74	119924	47.924	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	250343	50.377	ug/l	99
10) Methyl Iodide	4.007	142	302659	54.708	ug/l	100
11) Tert butyl alcohol	4.860	59	72062	214.498	ug/l	98
12) 1,1-Dichloroethene	3.793	96	237323	49.265	ug/l	93
13) Acrolein	3.653	56	93981	197.974	ug/l	97
14) Allyl chloride	4.385	41	289487	49.309	ug/l	99
15) Acrylonitrile	5.061	53	235123	245.521	ug/l	99
16) Acetone	3.873	43	292955	272.492	ug/l	99
17) Carbon Disulfide	4.110	76	691816	50.177	ug/l	99
18) Methyl Acetate	4.385	43	139750	49.553	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	572075	49.411	ug/l	96
20) Methylene Chloride	4.616	84	268581	46.200	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	270715	51.043	ug/l	99
22) Diisopropyl ether	6.025	45	661171	50.913	ug/l	100
23) Vinyl Acetate	5.964	43	1772777	252.202	ug/l	99
24) 1,1-Dichloroethane	5.921	63	433528	50.397	ug/l	98
25) 2-Butanone	6.897	43	327067	249.190	ug/l	95
26) 2,2-Dichloropropane	6.890	77	402884	51.041	ug/l	100
27) cis-1,2-Dichloroethene	6.897	96	312842	51.065	ug/l	98
28) Bromochloromethane	7.250	49	148933	46.377	ug/l	98
29) Tetrahydrofuran	7.268	42	181368	243.679	ug/l	100
30) Chloroform	7.427	83	482665	51.069	ug/l	99
31) Cyclohexane	7.707	56	353221	47.019	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	433016	50.415	ug/l	100
36) 1,1-Dichloropropene	7.841	75	330135	52.425	ug/l	100
37) Ethyl Acetate	6.988	43	127592	51.143	ug/l	98
38) Carbon Tetrachloride	7.823	117	399630	52.336	ug/l	98
39) Methylcyclohexane	9.110	83	423860	51.695	ug/l	99
40) Benzene	8.085	78	1038659	52.081	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023407.D
 Acq On : 09 Oct 2025 08:47
 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 :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025

Quant Time: Oct 10 04:19:45 2025

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

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	70514	52.260	ug/l	92
42) 1,2-Dichloroethane	8.158	62	263484	51.228	ug/l	100
43) Isopropyl Acetate	8.201	43	246006	49.451	ug/l #	87
44) Trichloroethene	8.866	130	299026	51.229	ug/l	99
45) 1,2-Dichloropropane	9.146	63	229106	52.011	ug/l	99
46) Dibromomethane	9.231	93	148392	53.275	ug/l	97
47) Bromodichloromethane	9.427	83	367798	52.430	ug/l	99
48) Methyl methacrylate	9.225	41	117590	50.315	ug/l	99
49) 1,4-Dioxane	9.231	88	29182	903.627	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	673260	261.942	ug/l	99
52) Toluene	10.170	92	691962	53.439	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	318047	52.141	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	376659	52.320	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	197777	52.802	ug/l	95
56) Ethyl methacrylate	10.439	69	230201	53.280	ug/l	98
57) 1,3-Dichloropropane	10.719	76	312218	52.603	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	510862	263.940	ug/l	100
59) 2-Hexanone	10.762	43	486294	264.747	ug/l	99
60) Dibromochloromethane	10.914	129	275135	52.392	ug/l	100
61) 1,2-Dibromoethane	11.018	107	186575	52.230	ug/l	99
64) Tetrachloroethene	10.646	164	372099	51.752	ug/l	98
65) Chlorobenzene	11.444	112	768208	50.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	275973	51.134	ug/l	99
67) Ethyl Benzene	11.518	91	1278315	52.144	ug/l	100
68) m/p-Xylenes	11.627	106	1037707	105.533	ug/l	100
69) o-Xylene	11.957	106	479717	52.013	ug/l	99
70) Styrene	11.969	104	801488	52.844	ug/l	99
71) Bromoform	12.133	173	168928	50.460	ug/l #	98
73) Isopropylbenzene	12.255	105	1245422	52.380	ug/l	100
74) N-amyl acetate	12.072	43	213212	49.925	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	193812	49.838	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	150310m	47.221	ug/l	
77) Bromobenzene	12.530	156	317747	50.268	ug/l	98
78) n-propylbenzene	12.597	91	1458866	53.022	ug/l	100
79) 2-Chlorotoluene	12.682	91	832200	51.650	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1020091	53.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	64795	49.916	ug/l	98
82) 4-Chlorotoluene	12.780	91	861031	51.889	ug/l	100
83) tert-Butylbenzene	12.999	119	923731	52.071	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1014495	52.908	ug/l	99
85) sec-Butylbenzene	13.176	105	1347428	52.950	ug/l	99
86) p-Isopropyltoluene	13.292	119	1150927	53.120	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	617114	50.135	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	603476	49.641	ug/l	99
89) n-Butylbenzene	13.615	91	991424	52.515	ug/l	99
90) Hexachloroethane	13.877	117	233963	50.206	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	545563	50.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30632	48.006	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	316225	47.003	ug/l	99
94) Hexachlorobutadiene	15.023	225	199957	47.679	ug/l	98
95) Naphthalene	15.145	128	499422	46.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	272296	46.727	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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 :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

Quant Time: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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 :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

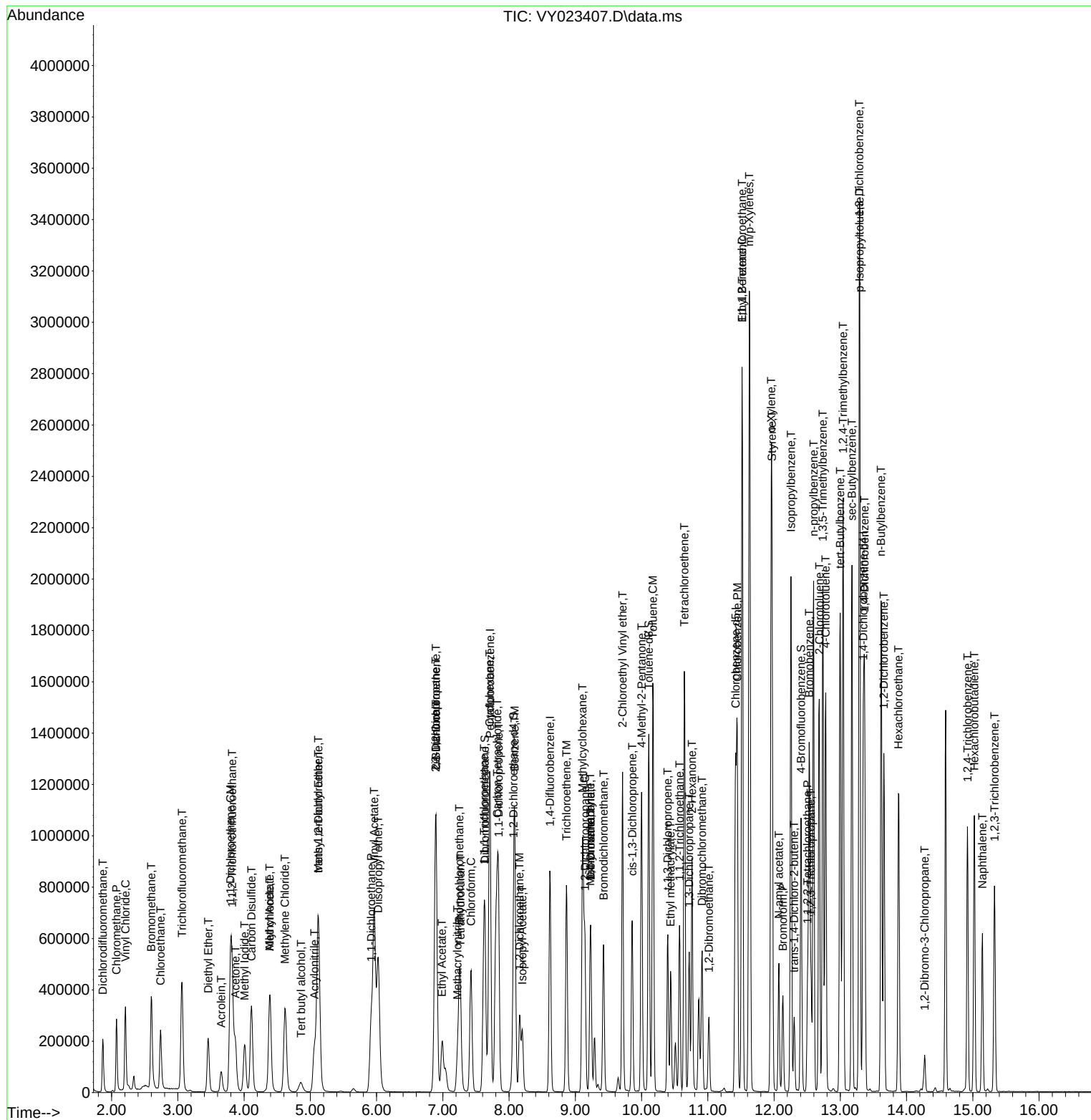
Quant Time: Oct 10 04:19:45 2025

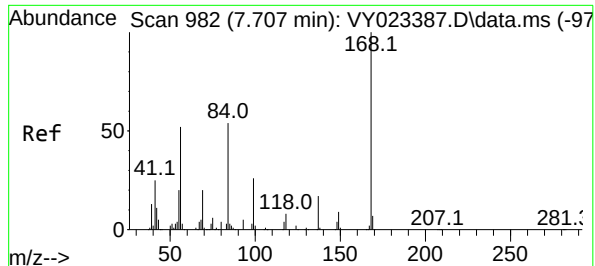
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration





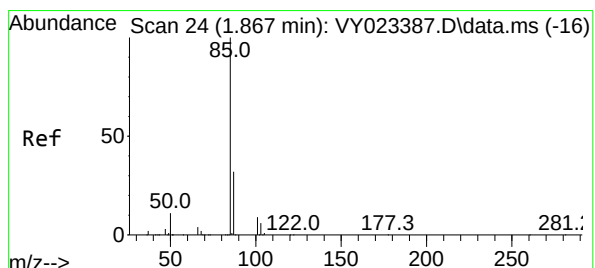
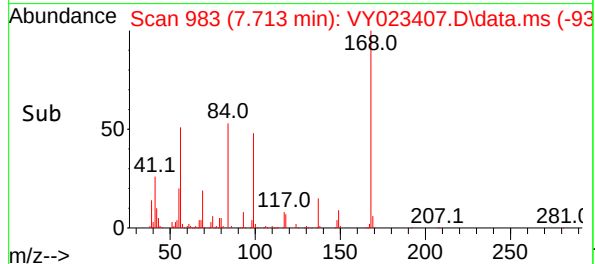
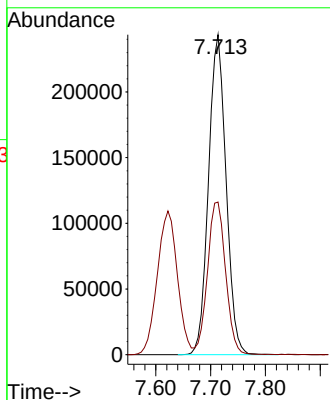
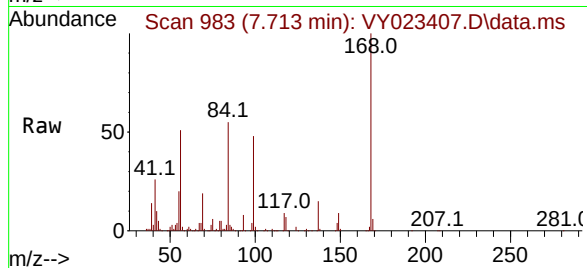
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 54004
Ion Ratio Lower Upper
168 100
99 47.7 39.7 59.5

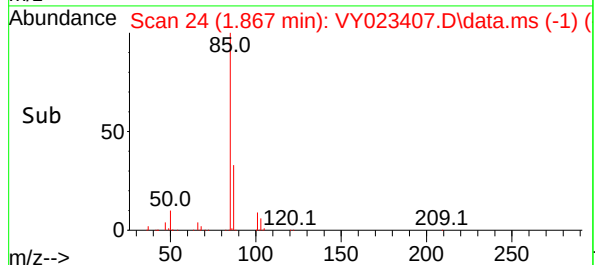
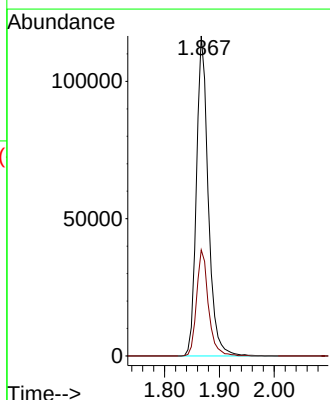
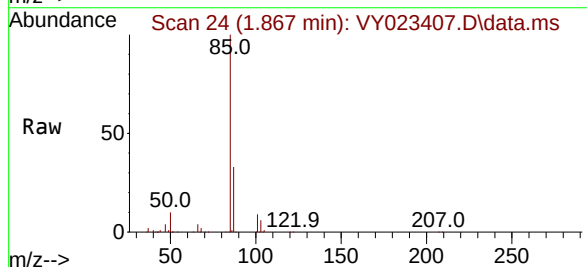
Manual Integrations
APPROVED

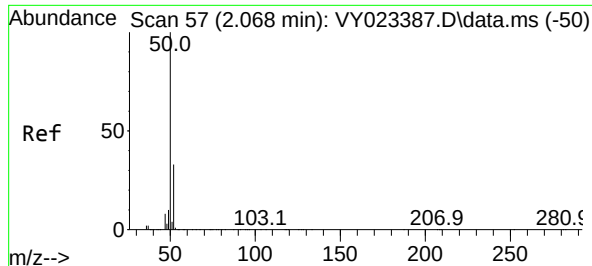
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#2
Dichlorodifluoromethane
Concen: 45.165 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Tgt Ion: 85 Resp: 175562
Ion Ratio Lower Upper
85 100
87 33.1 16.0 47.9





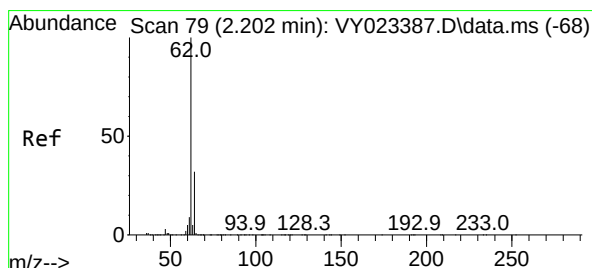
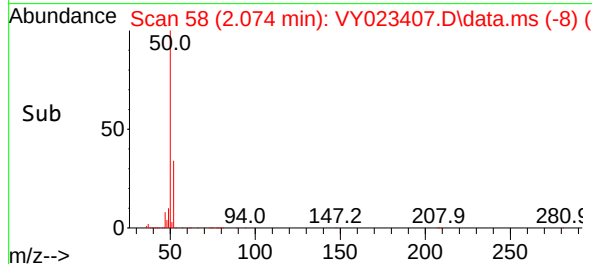
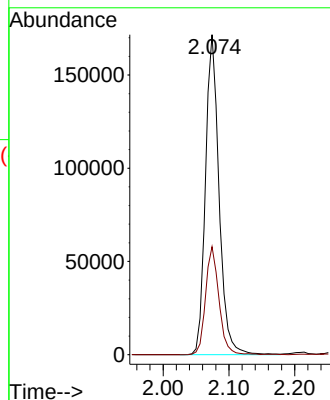
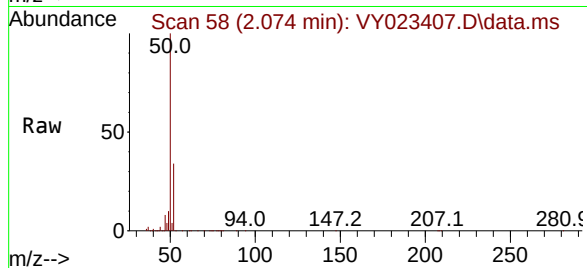
#3
Chloromethane
Concen: 46.626 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 24689
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.2

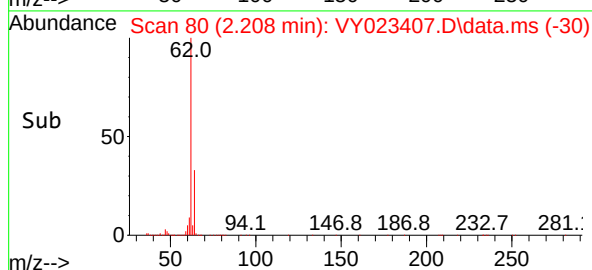
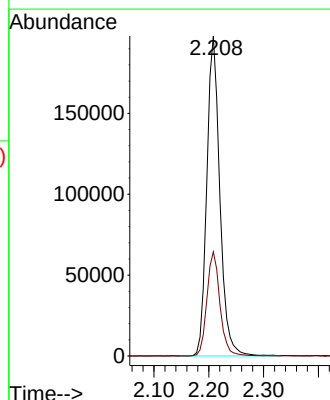
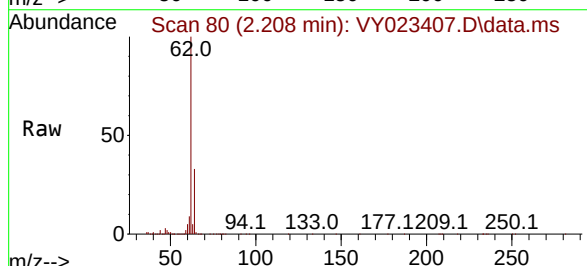
Manual Integrations
APPROVED

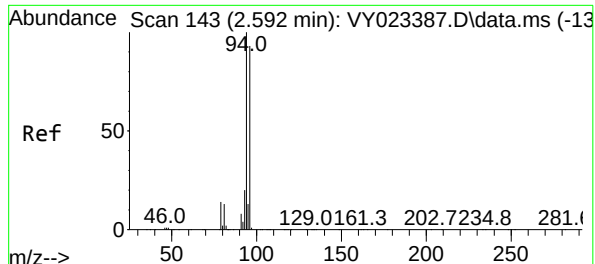
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#4
Vinyl Chloride
Concen: 47.203 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

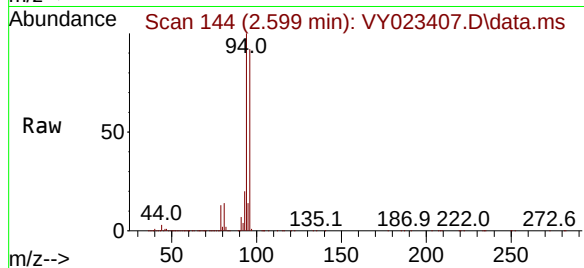
Tgt Ion: 62 Resp: 325565
Ion Ratio Lower Upper
62 100
64 32.5 25.8 38.8





#5
Bromomethane
Concen: 45.352 ug/l
RT: 2.599 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

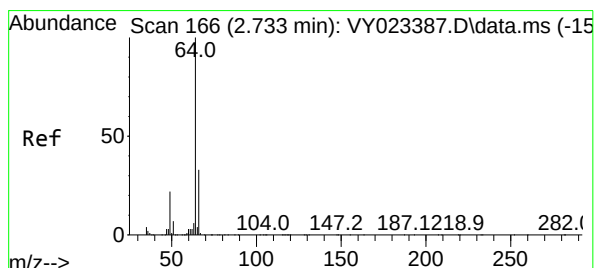
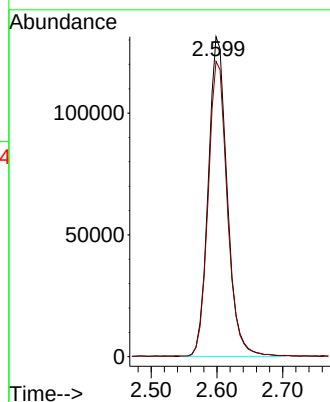
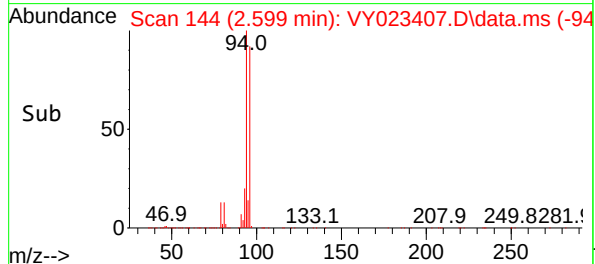
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



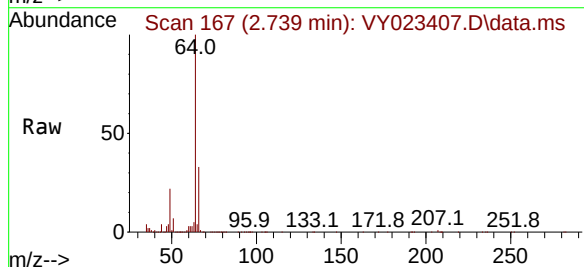
Tgt Ion: 94 Resp: 262495
Ion Ratio Lower Upper
94 100
96 92.2 74.5 111.7

Manual Integrations
APPROVED

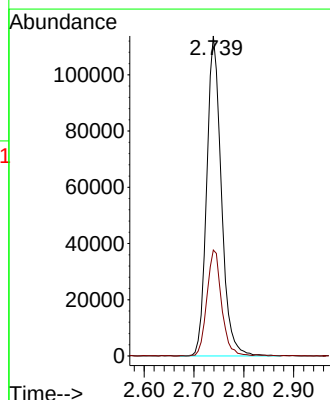
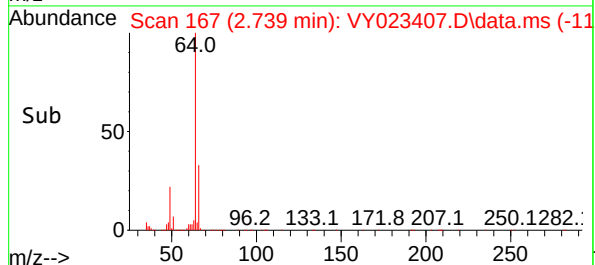
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

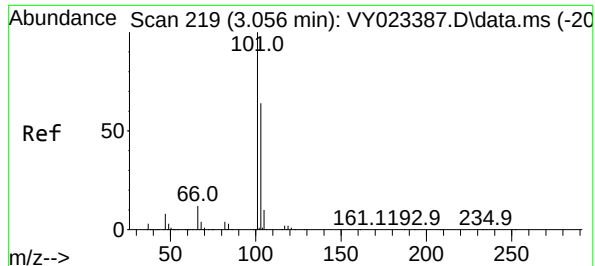


#6
Chloroethane
Concen: 49.279 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



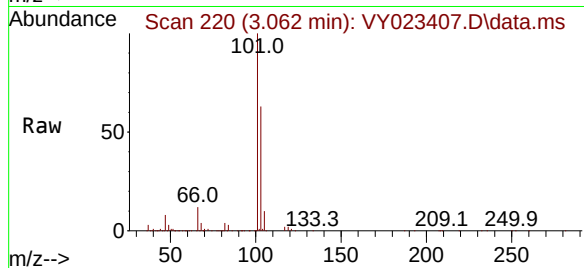
Tgt Ion: 64 Resp: 231682
Ion Ratio Lower Upper
64 100
66 33.0 26.2 39.4





#7
Trichlorofluoromethane
Concen: 47.366 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

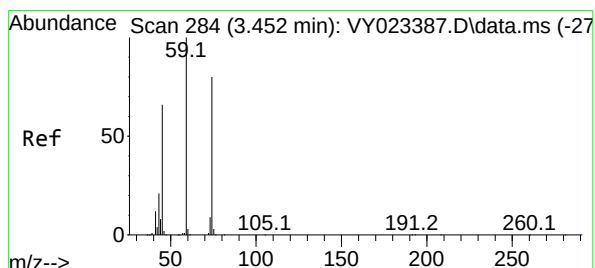
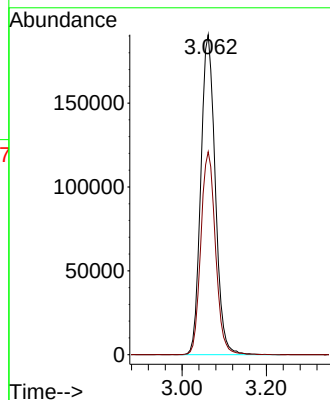
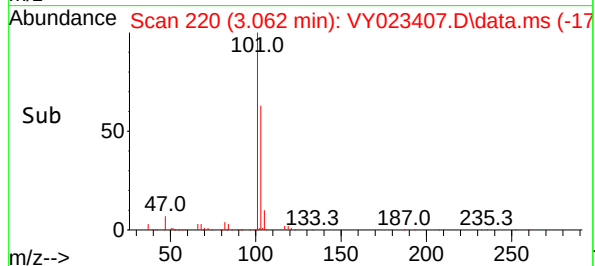
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



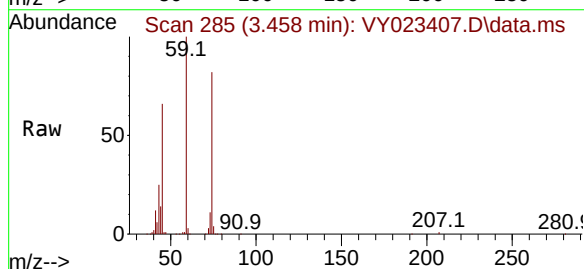
Tgt Ion:101 Resp: 453600
Ion Ratio Lower Upper
101 100
103 63.4 51.3 76.9

Manual Integrations
APPROVED

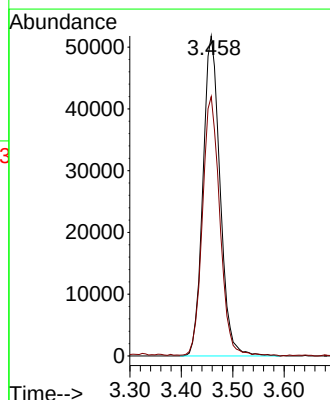
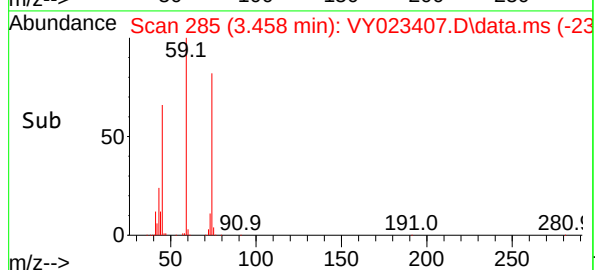
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

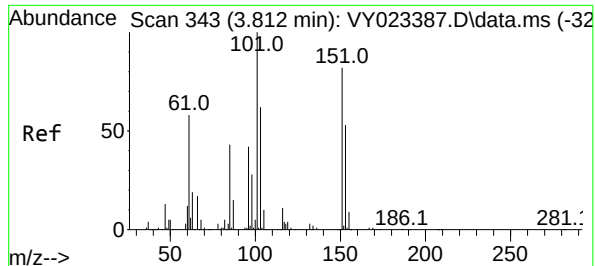


#8
Diethyl Ether
Concen: 47.924 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



Tgt Ion: 74 Resp: 119924
Ion Ratio Lower Upper
74 100
45 82.7 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.377 ug/l

RT: 3.818 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 25034

Ion Ratio Lower Upper

101 100

85 42.7 34.6 51.8

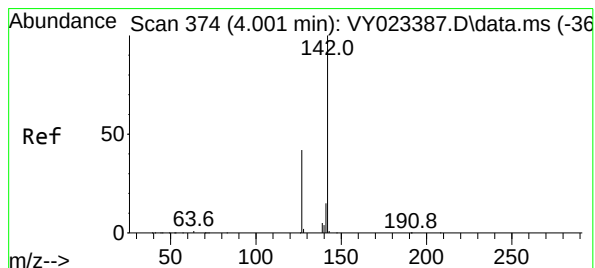
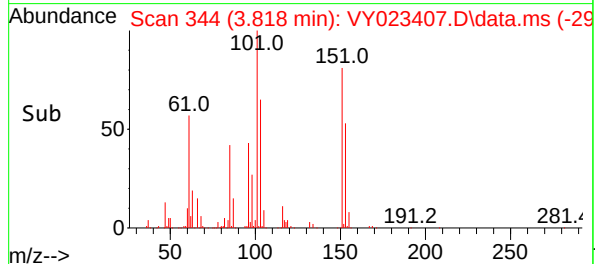
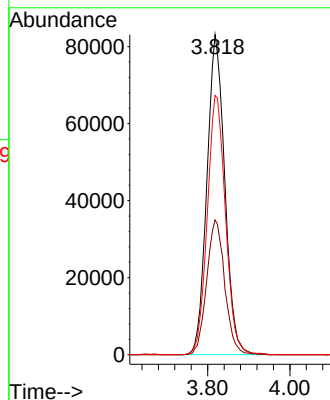
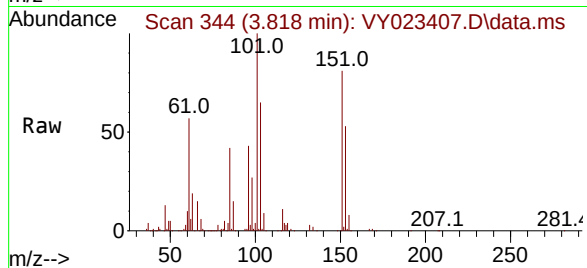
151 82.8 67.0 100.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#10

Methyl Iodide

Concen: 54.708 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

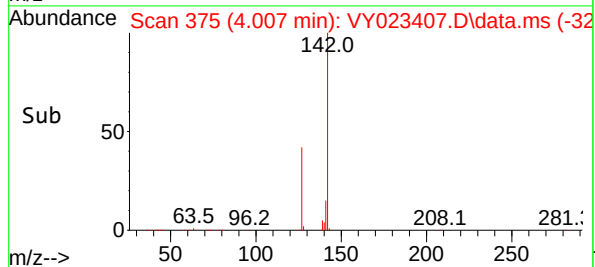
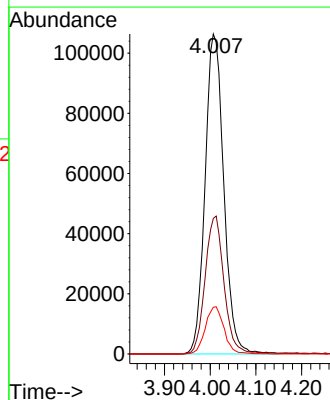
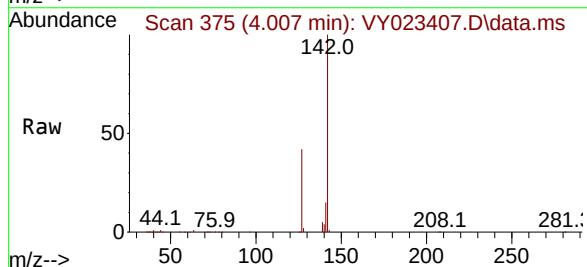
Tgt Ion:142 Resp: 302659

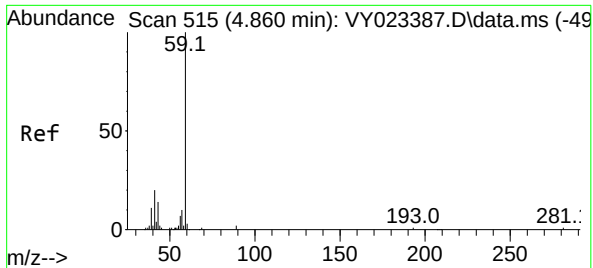
Ion Ratio Lower Upper

142 100

127 43.6 34.8 52.2

141 14.8 11.6 17.4





#11

Tert butyl alcohol

Concen: 214.498 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 72062

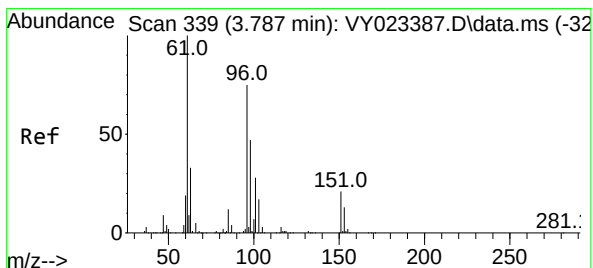
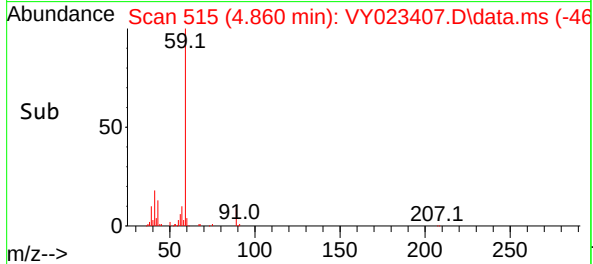
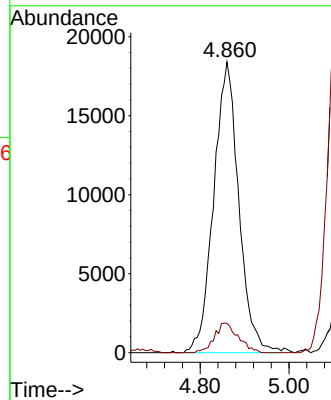
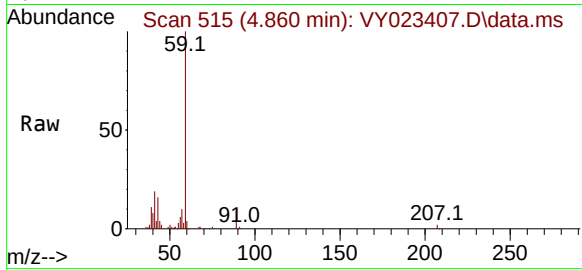
Ion Ratio Lower Upper

59 100

57 9.6 8.3 12.5

Manual Integrations

APPROVED

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

#12

1,1-Dichloroethene

Concen: 49.265 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

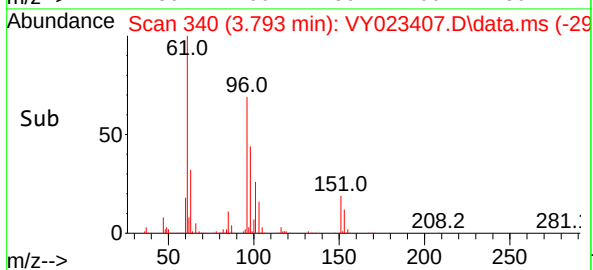
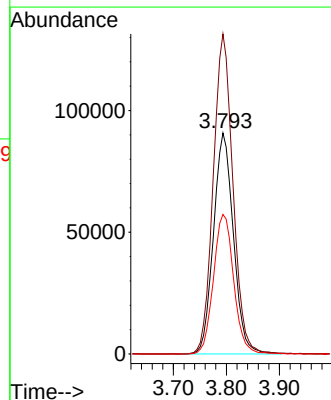
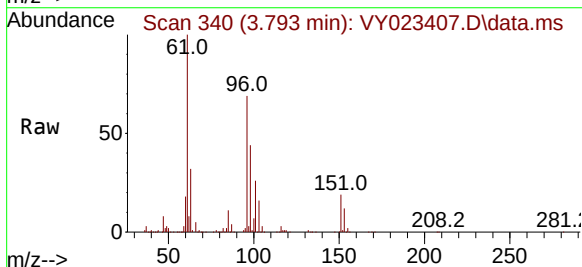
Tgt Ion: 96 Resp: 237323

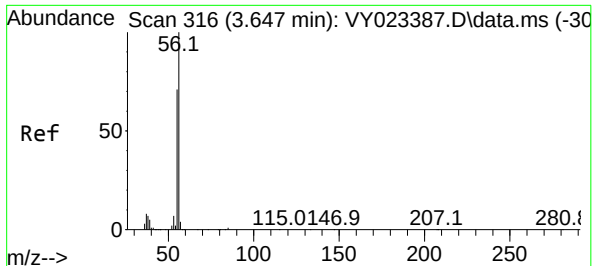
Ion Ratio Lower Upper

96 100

61 144.8 106.7 160.1

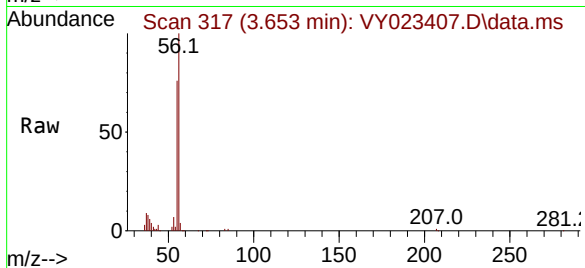
98 63.1 50.2 75.4





#13
Acrolein
Concen: 197.974 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

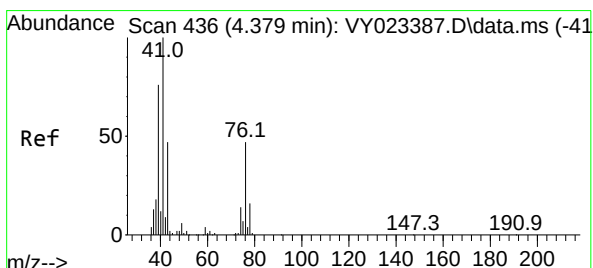
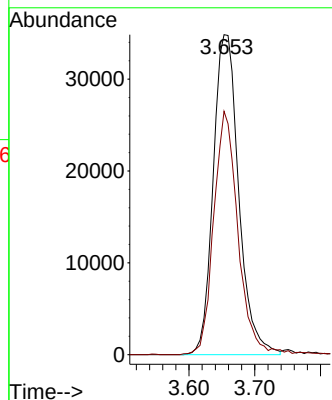
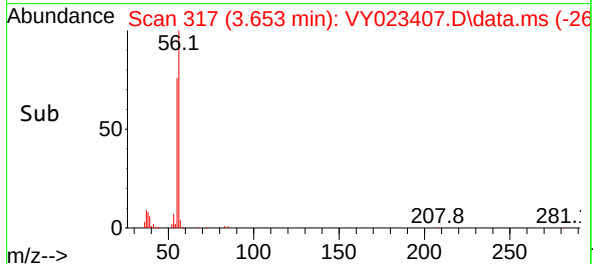
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



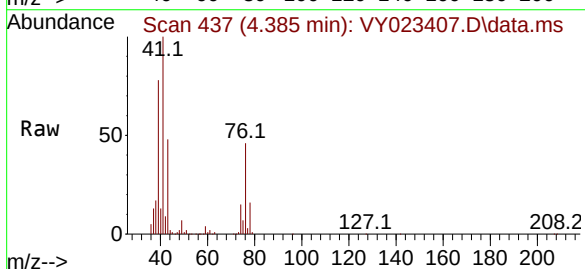
Tgt Ion: 56 Resp: 9398
Ion Ratio Lower Upper
56 100
55 72.5 56.1 84.1

Manual Integrations
APPROVED

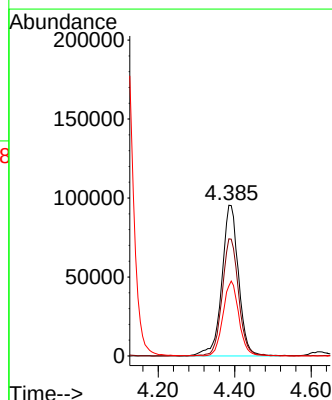
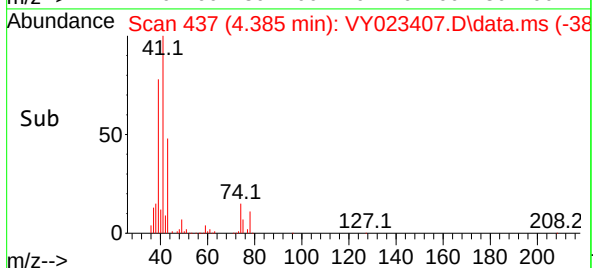
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

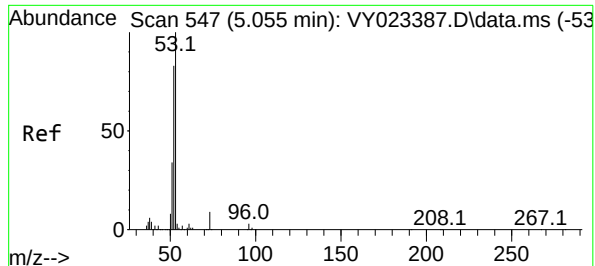


#14
Allyl chloride
Concen: 49.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



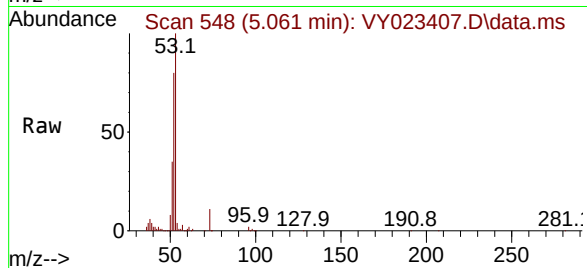
Tgt Ion: 41 Resp: 289487
Ion Ratio Lower Upper
41 100
39 76.6 59.9 89.9
76 47.0 38.0 57.0





#15
Acrylonitrile
Concen: 245.521 ug/l
RT: 5.061 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

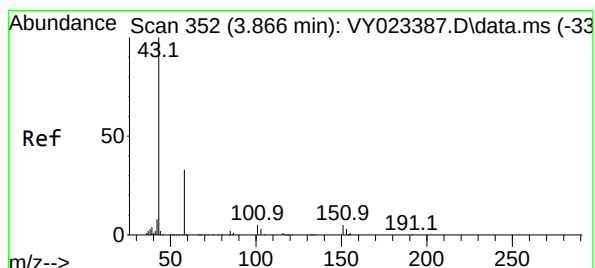
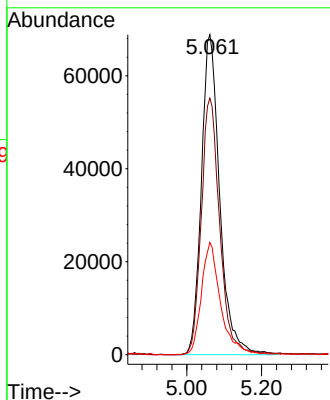
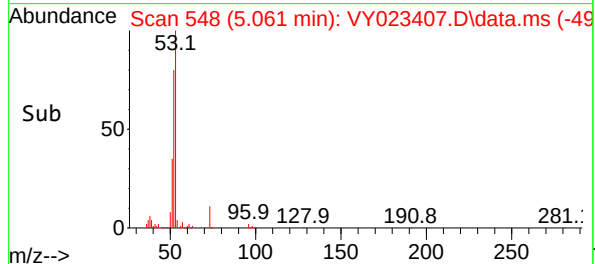
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



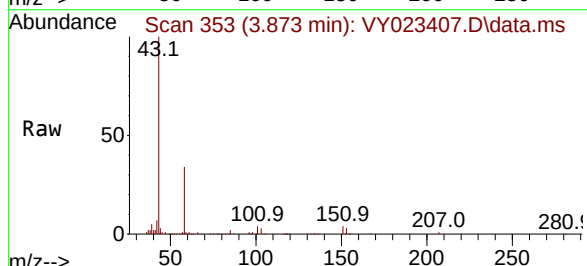
Tgt Ion: 53 Resp: 23512
Ion Ratio Lower Upper
53 100
52 80.0 64.6 97.0
51 36.6 29.5 44.3

Manual Integrations
APPROVED

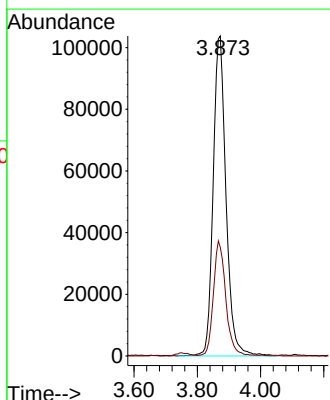
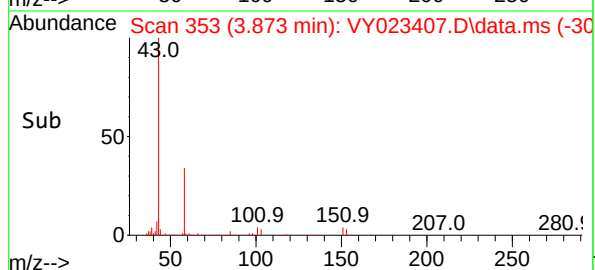
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

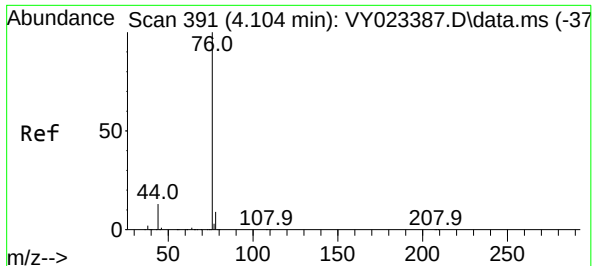


#16
Acetone
Concen: 272.492 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



Tgt Ion: 43 Resp: 292955
Ion Ratio Lower Upper
43 100
58 33.8 27.7 41.5





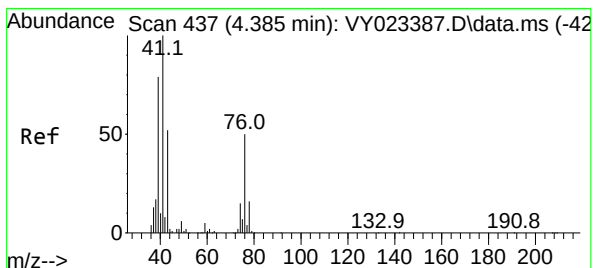
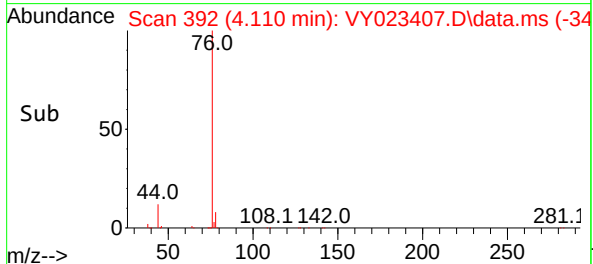
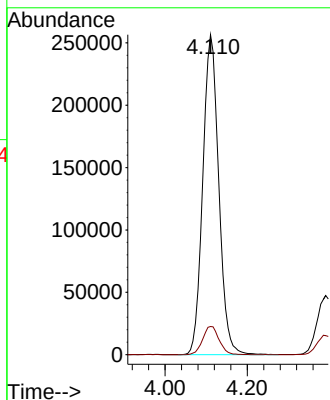
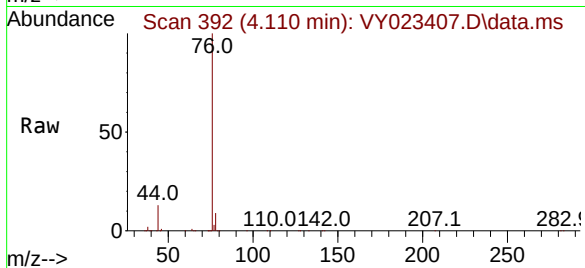
#17
Carbon Disulfide
Concen: 50.177 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 691810
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

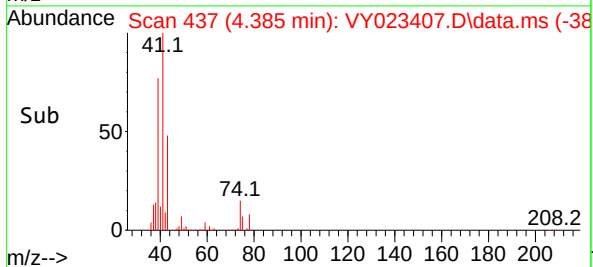
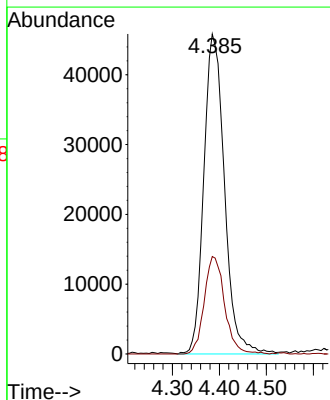
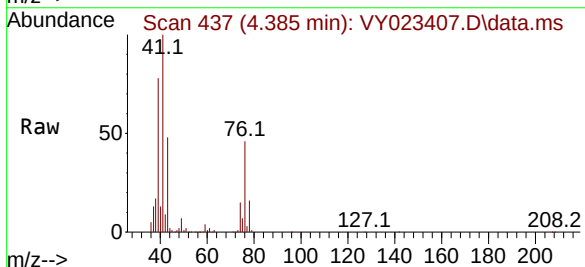
Manual Integrations
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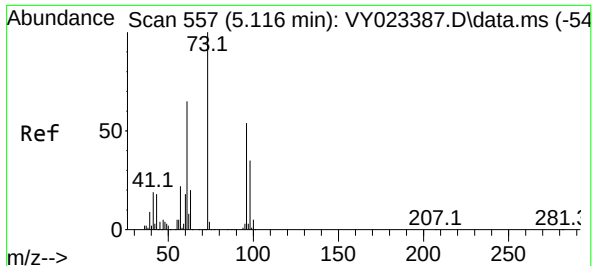
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#18
Methyl Acetate
Concen: 49.553 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Tgt Ion: 43 Resp: 139750
Ion Ratio Lower Upper
43 100
74 30.0 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 49.411 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 57207

Ion Ratio Lower Upper

73 100

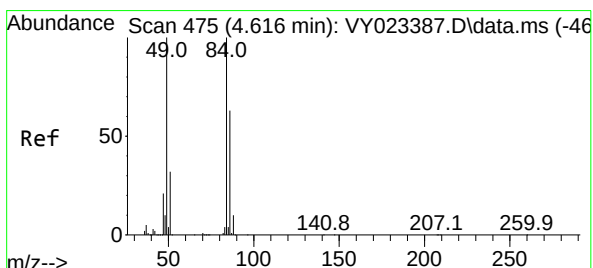
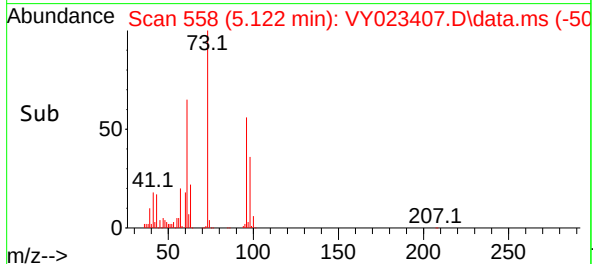
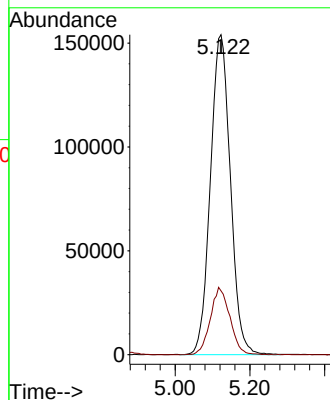
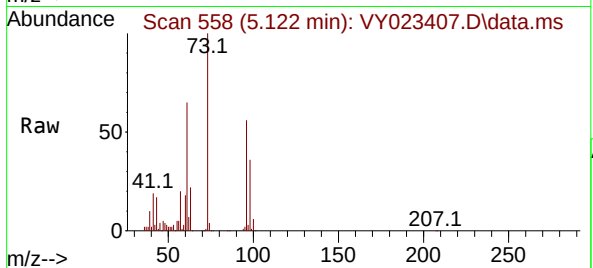
57 20.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#20

Methylene Chloride

Concen: 46.200 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion: 84 Resp: 268581

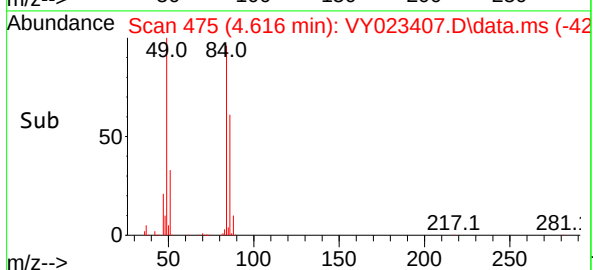
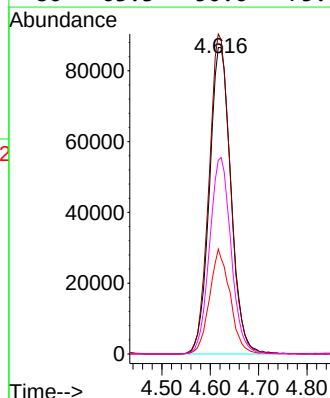
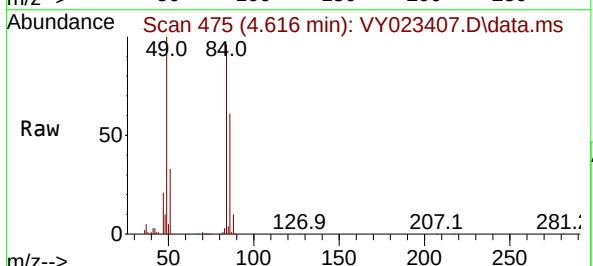
Ion Ratio Lower Upper

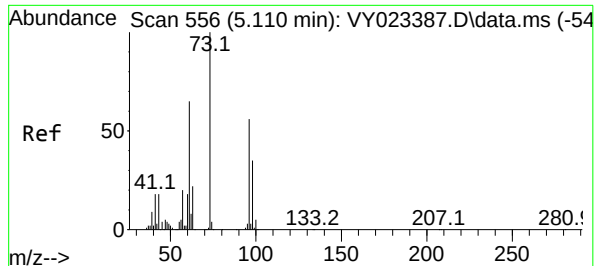
84 100

49 104.4 80.2 120.4

51 34.2 25.9 38.9

86 63.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.043 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY023407.D

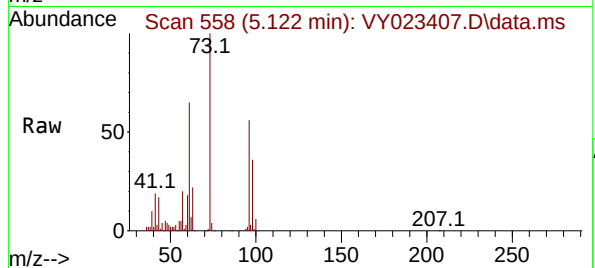
Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 270715

Ion Ratio Lower Upper

96 100

61 116.4 92.7 139.1

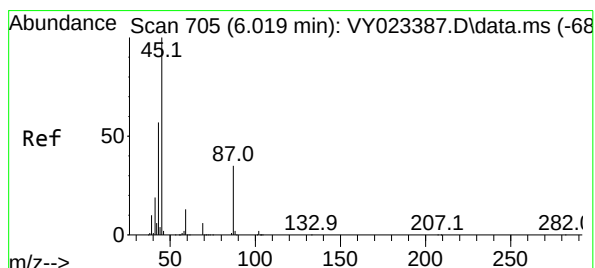
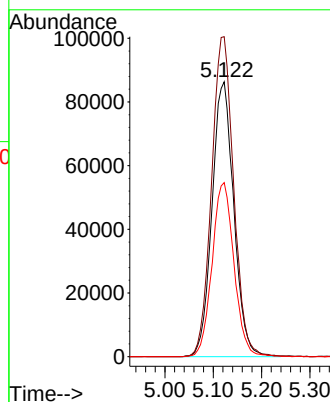
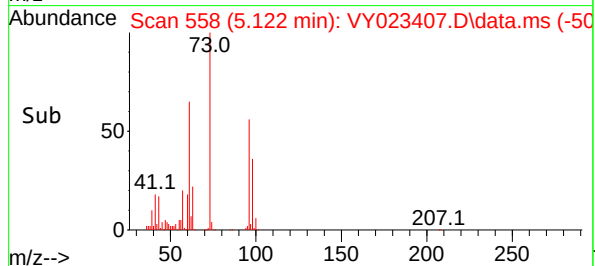
98 63.3 49.7 74.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#22

Diisopropyl ether

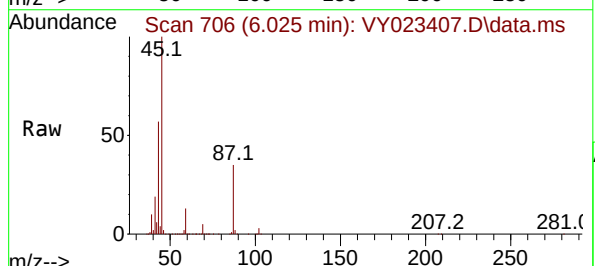
Concen: 50.913 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47



Tgt Ion: 45 Resp: 661171

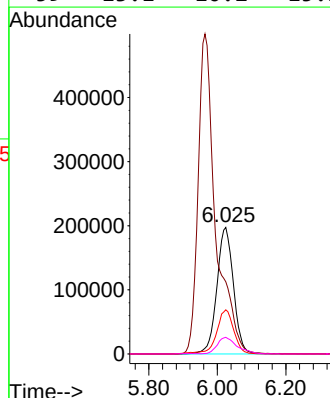
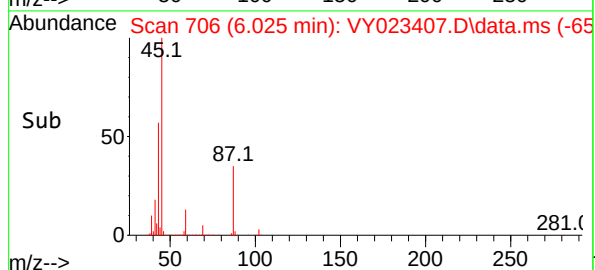
Ion Ratio Lower Upper

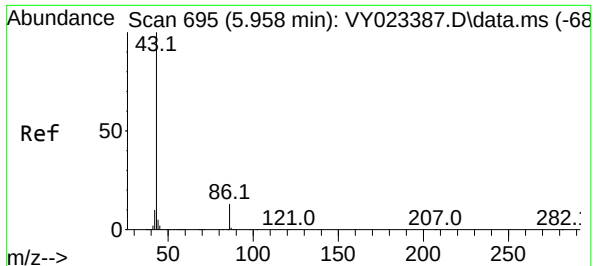
45 100

43 56.9 45.6 68.4

87 34.9 28.1 42.1

59 13.1 10.2 15.2





#23

Vinyl Acetate

Concen: 252.202 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 177277

Ion Ratio Lower Upper

43

100

86

13.5

10.6

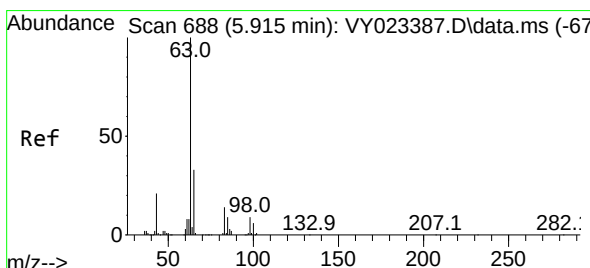
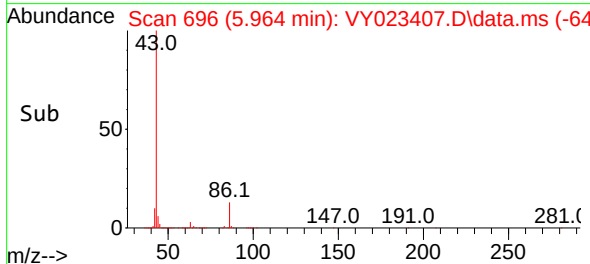
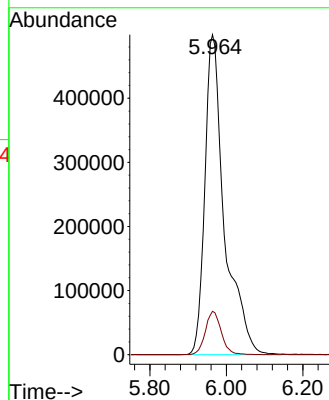
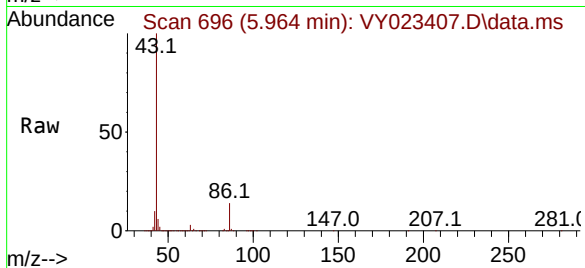
15.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#24

1,1-Dichloroethane

Concen: 50.397 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion: 63 Resp: 433528

Ion Ratio Lower Upper

63

100

98

7.9

4.3

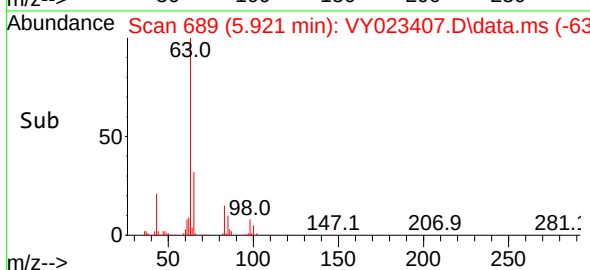
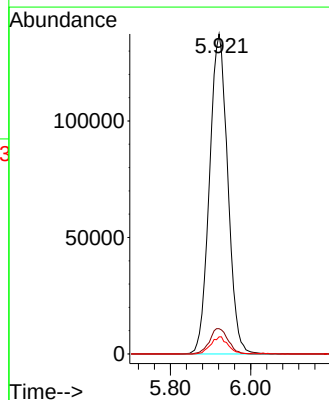
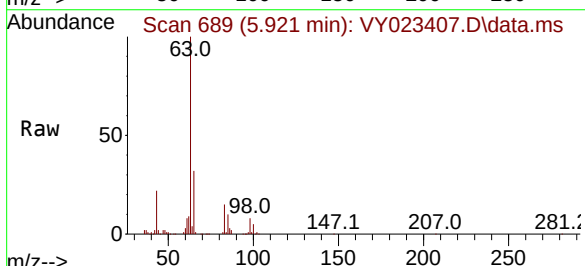
13.1

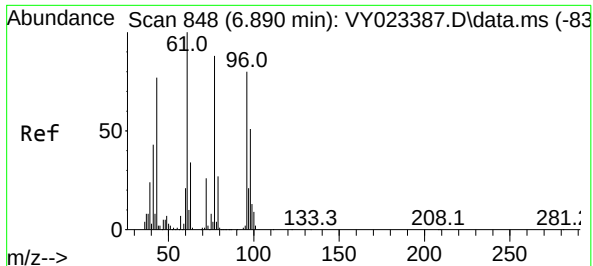
100

5.3

2.8

8.4





#25

2-Butanone

Concen: 249.190 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 32706

Ion Ratio Lower Upper

43 100

72 31.6

27.4

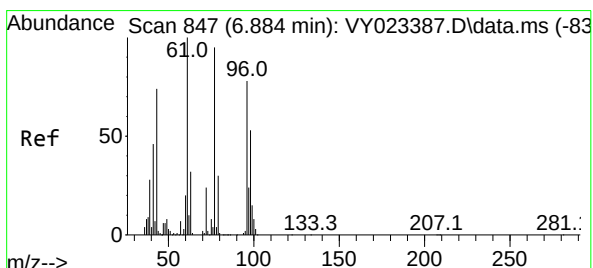
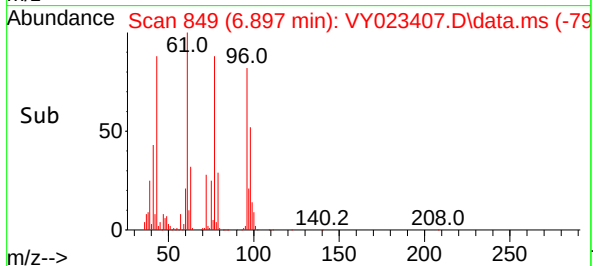
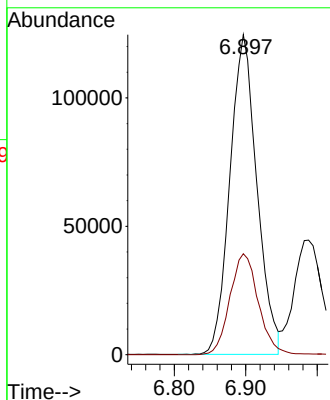
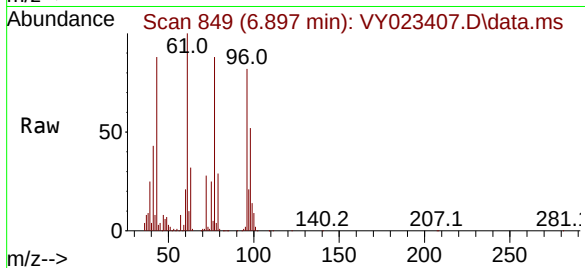
41.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#26

2,2-Dichloropropane

Concen: 51.041 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion: 77 Resp: 402884

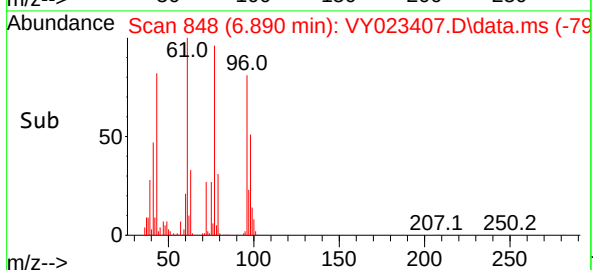
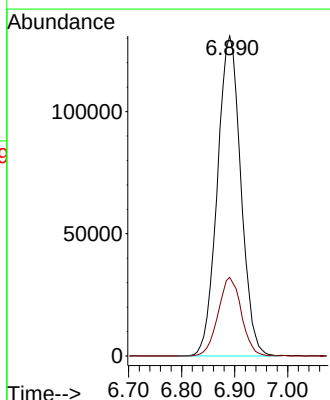
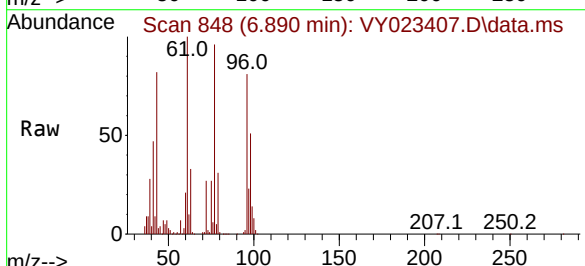
Ion Ratio Lower Upper

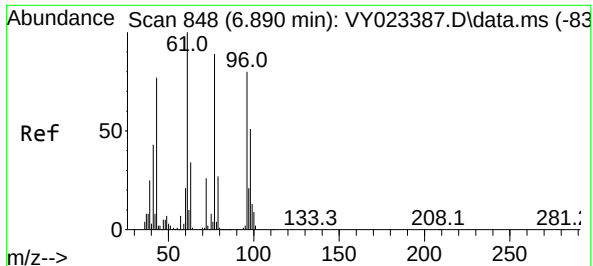
77 100

97 24.3

12.1

36.3





#27

cis-1,2-Dichloroethene

Concen: 51.065 ug/l

RT: 6.897 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 96 Resp: 31284

Ion Ratio Lower Upper

96 100

61 126.1 0.0 258.2

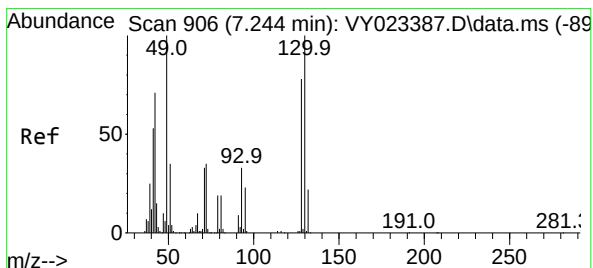
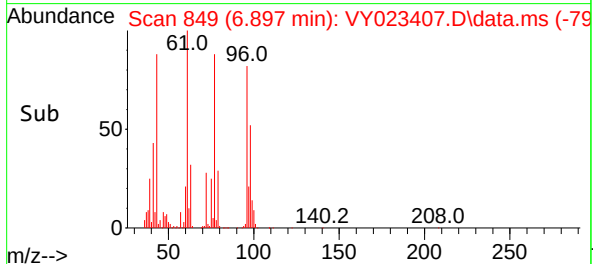
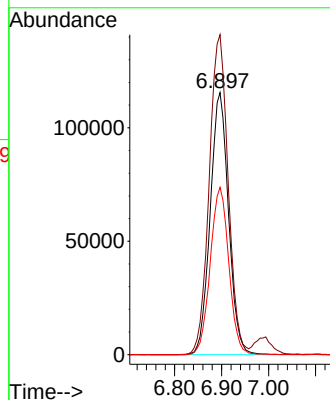
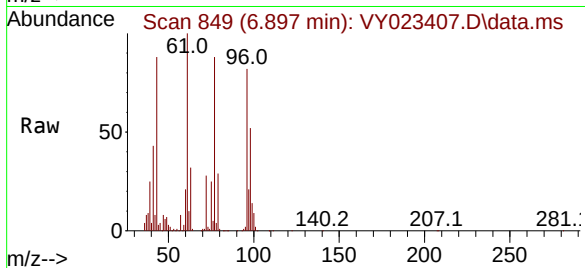
98 64.8 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#28

Bromochloromethane

Concen: 46.377 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

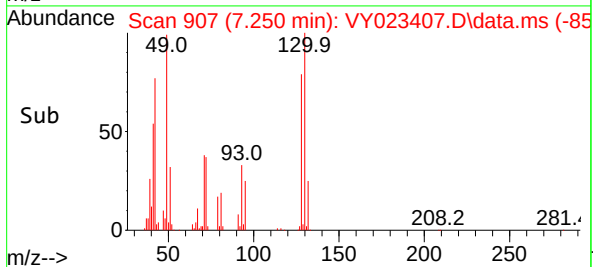
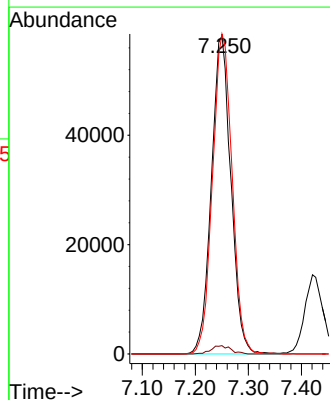
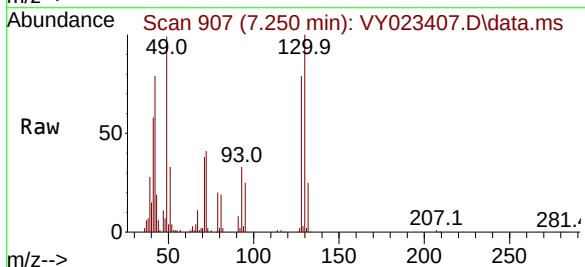
Tgt Ion: 49 Resp: 148933

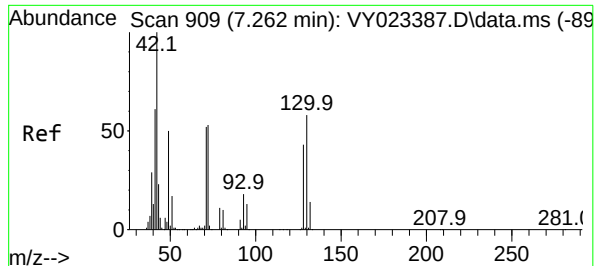
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.6

130 100.8 81.9 122.9





#29

Tetrahydrofuran

Concen: 243.679 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 18136

Ion Ratio Lower Upper

42 100

72 53.6 43.0 64.6

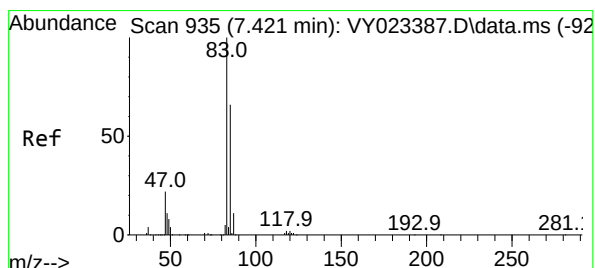
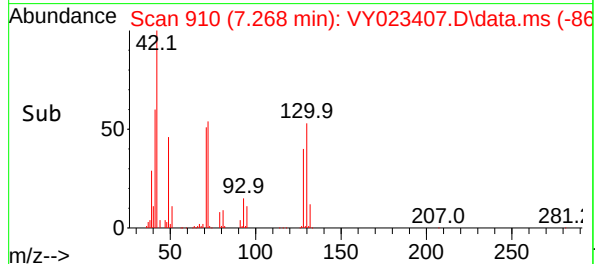
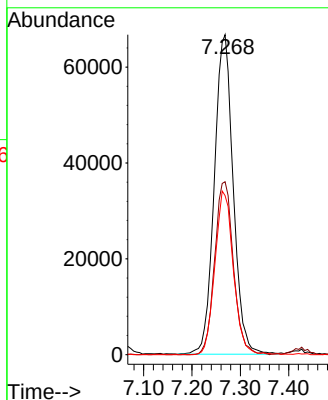
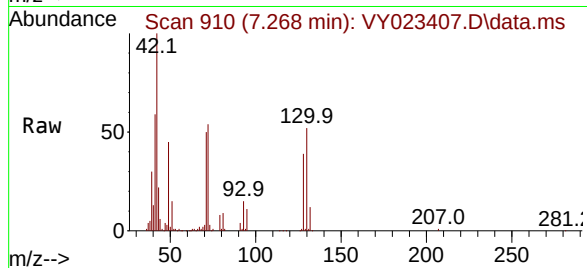
71 49.9 40.1 60.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#30

Chloroform

Concen: 51.069 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023407.D

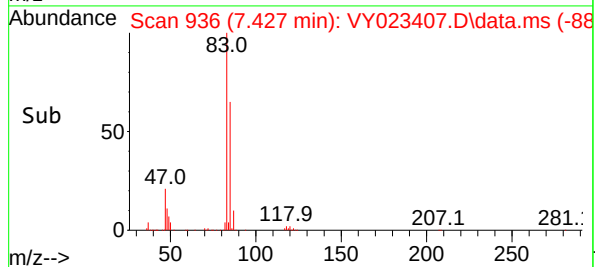
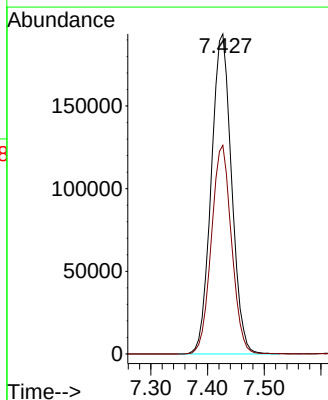
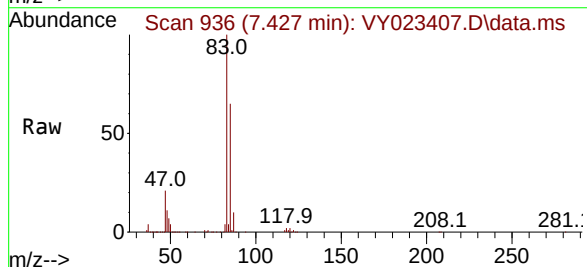
Acq: 09 Oct 2025 08:47

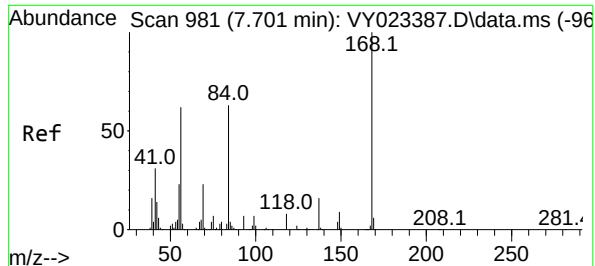
Tgt Ion: 83 Resp: 482665

Ion Ratio Lower Upper

83 100

85 65.2 52.5 78.7





#31

Cyclohexane

Concen: 47.019 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 35322

Ion Ratio Lower Upper

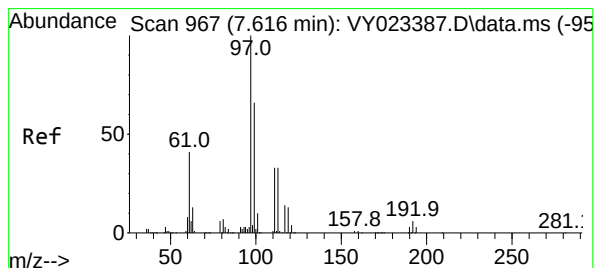
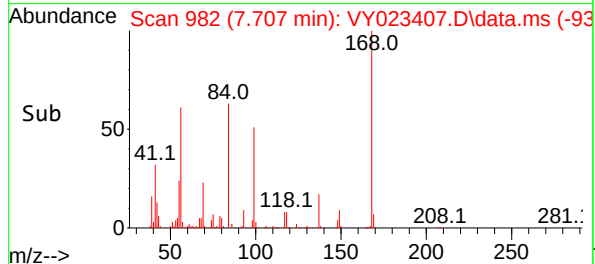
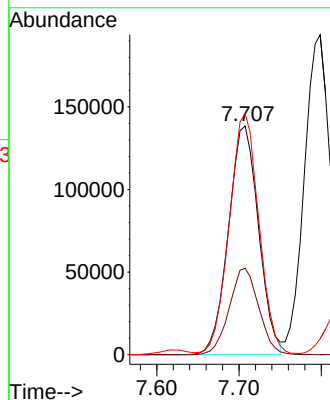
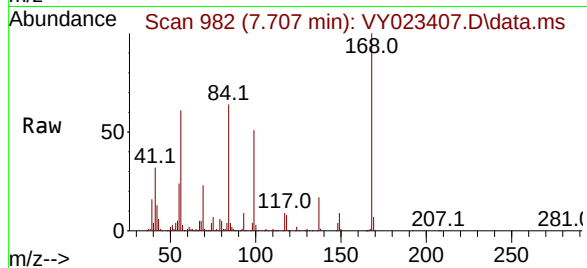
56 100

69 37.8 30.0 45.0

84 103.6 81.2 121.8

Manual Integrations

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

#32

1,1,1-Trichloroethane

Concen: 50.415 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

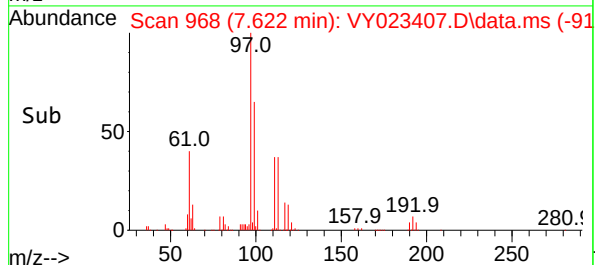
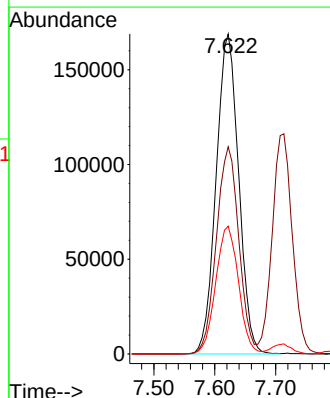
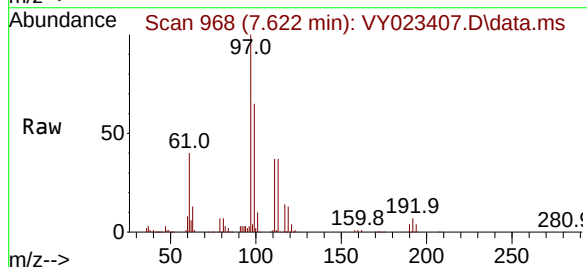
Tgt Ion: 97 Resp: 433016

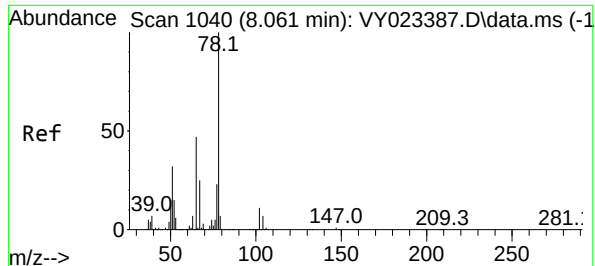
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 40.5 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 49.431 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 223220

Ion Ratio Lower Upper

65 100

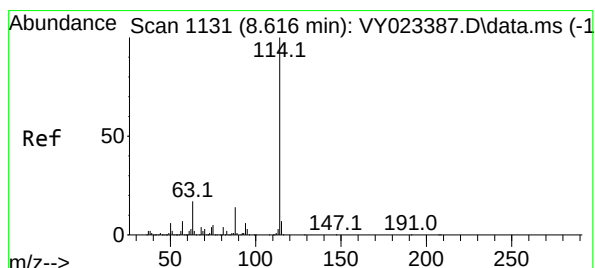
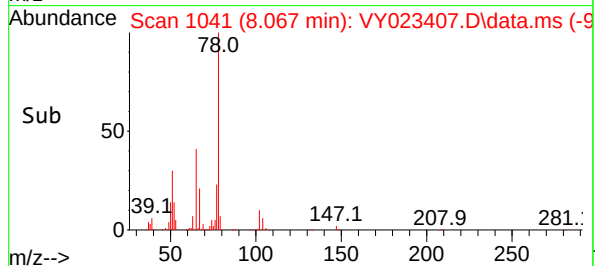
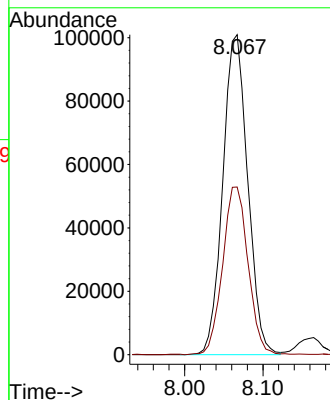
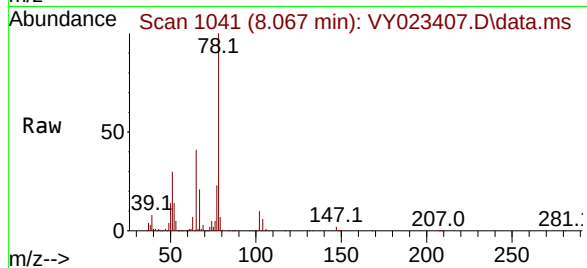
67 53.6 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

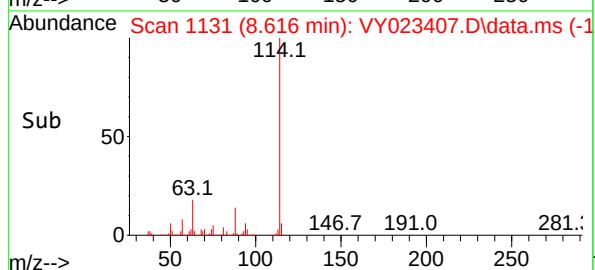
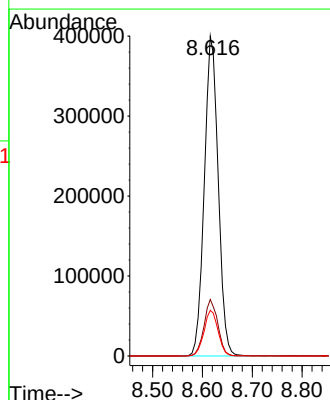
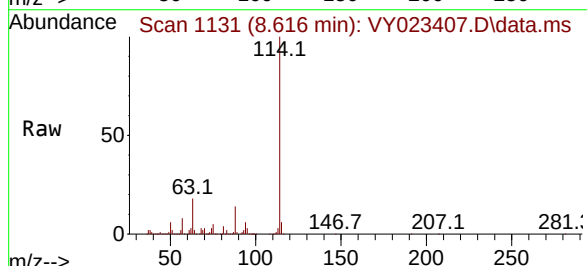
Tgt Ion:114 Resp: 774126

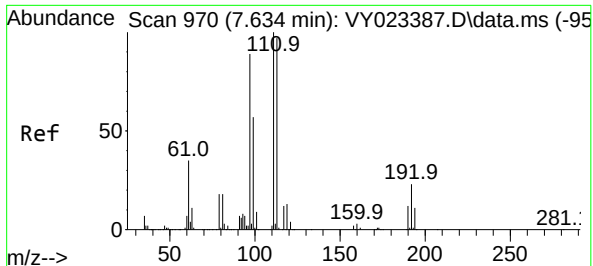
Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 14.3 0.0 28.4





#35

Dibromofluoromethane

Concen: 51.511 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 24502

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

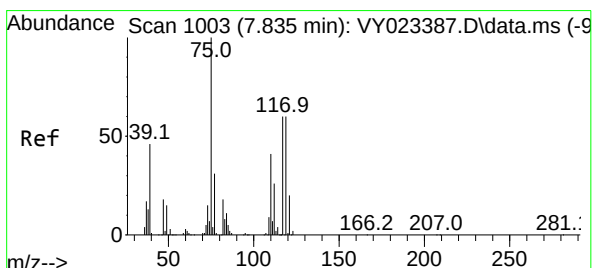
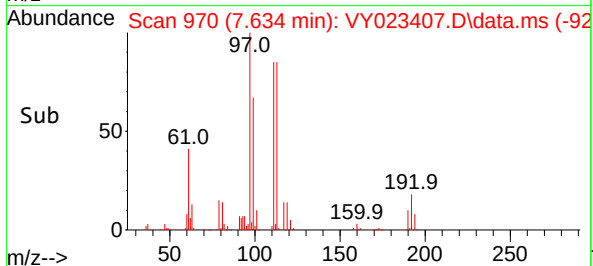
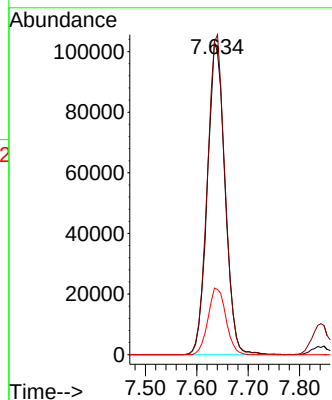
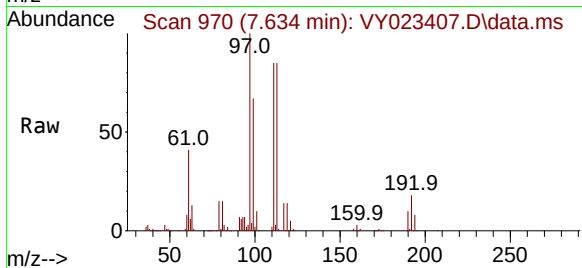
192 21.7 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#36

1,1-Dichloropropene

Concen: 52.425 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

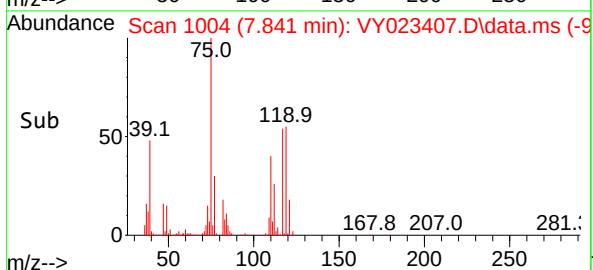
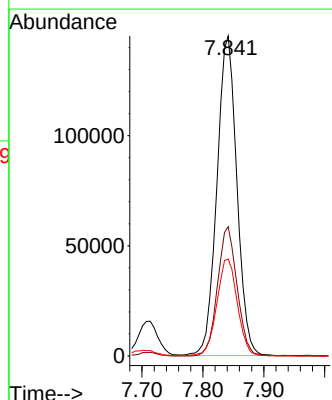
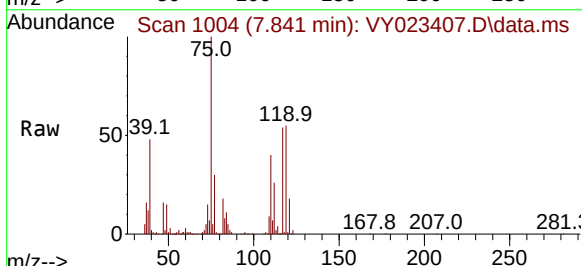
Tgt Ion: 75 Resp: 330135

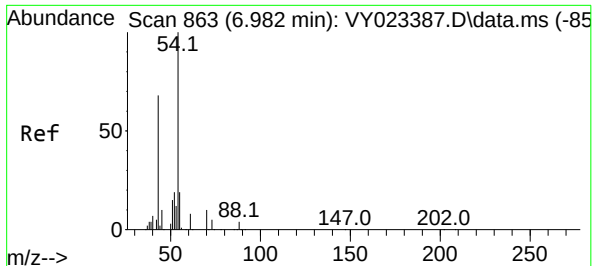
Ion Ratio Lower Upper

75 100

110 39.6 19.9 59.7

77 31.3 25.0 37.6





#37

Ethyl Acetate

Concen: 51.143 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 127592

Ion Ratio Lower Upper

43 100

61 15.0 11.8 17.8

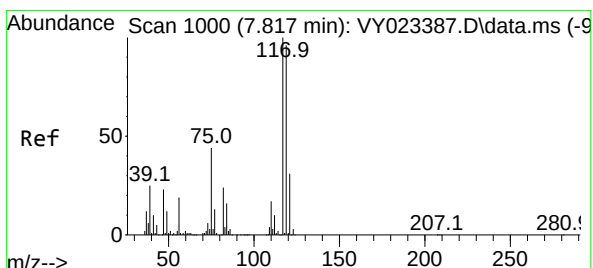
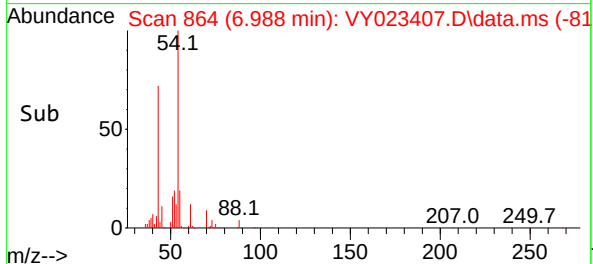
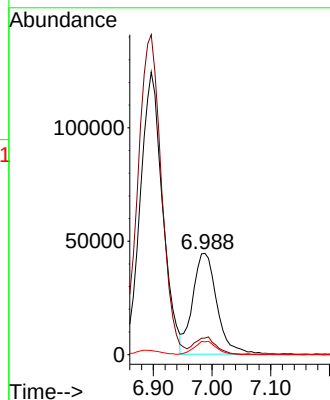
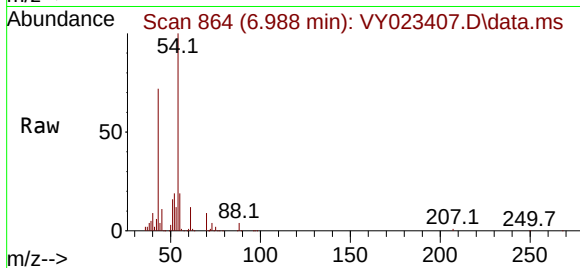
70 11.9 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#38

Carbon Tetrachloride

Concen: 52.336 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

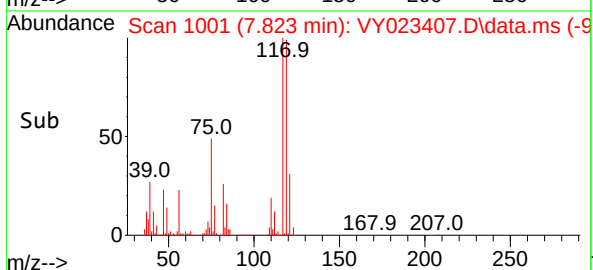
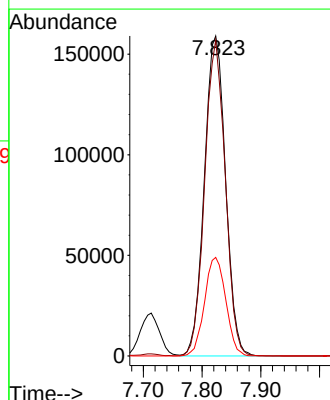
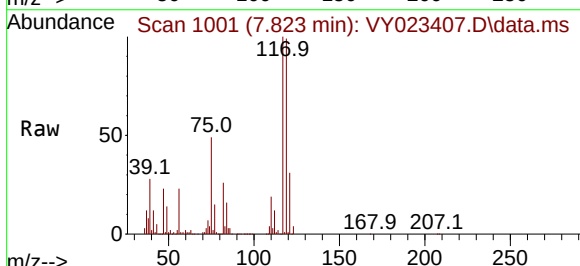
Tgt Ion:117 Resp: 399630

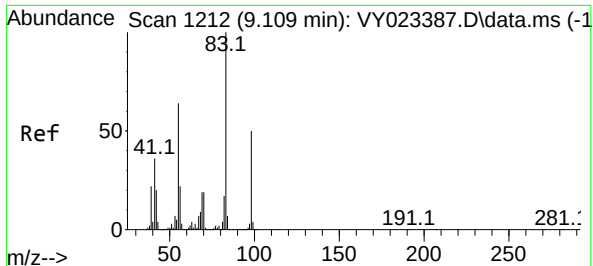
Ion Ratio Lower Upper

117 100

119 98.7 76.8 115.2

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 51.695 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 423860

Ion Ratio Lower Upper

83 100

55 65.8 51.4 77.2

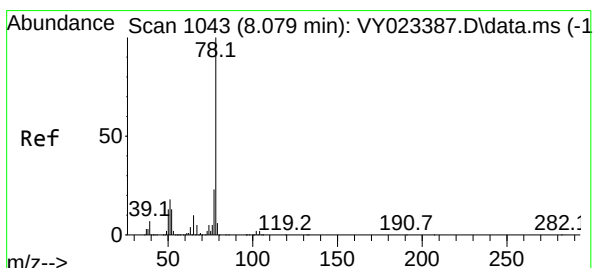
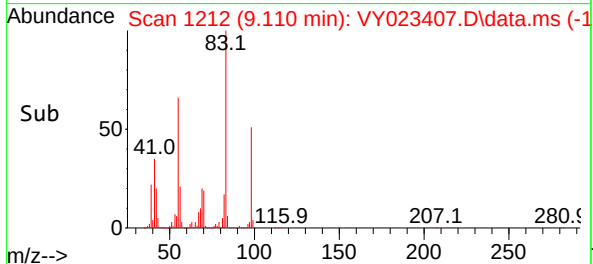
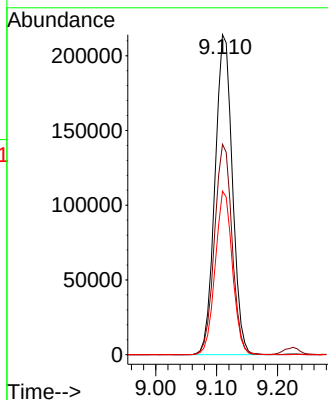
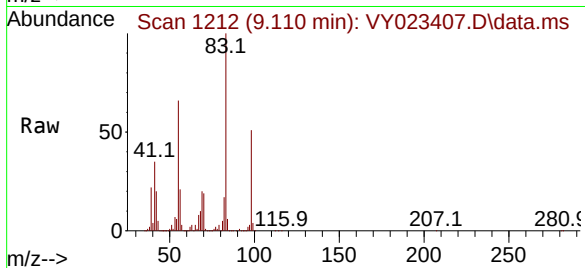
98 51.1 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#40

Benzene

Concen: 52.081 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023407.D

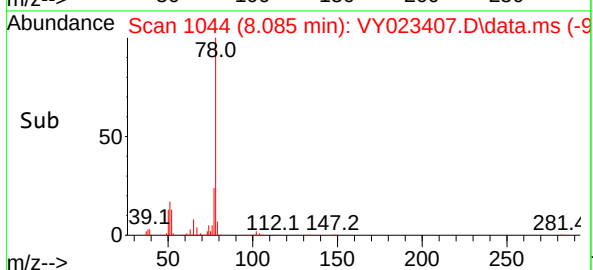
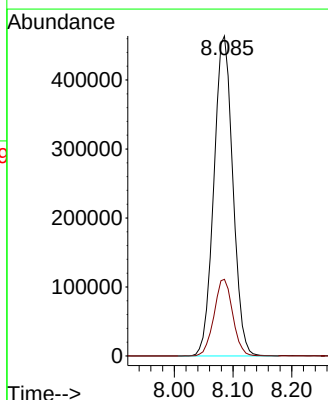
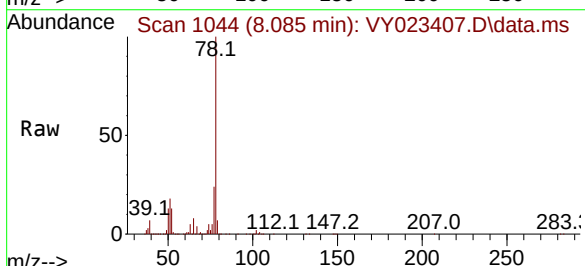
Acq: 09 Oct 2025 08:47

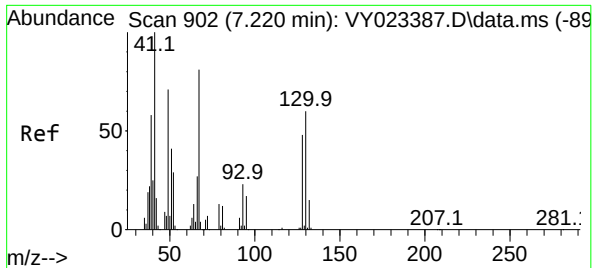
Tgt Ion: 78 Resp: 1038659

Ion Ratio Lower Upper

78 100

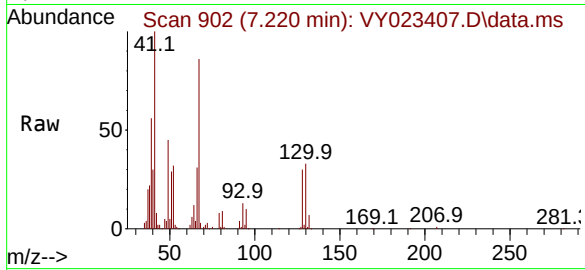
77 23.9 18.3 27.5





#41
Methacrylonitrile
Concen: 52.260 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

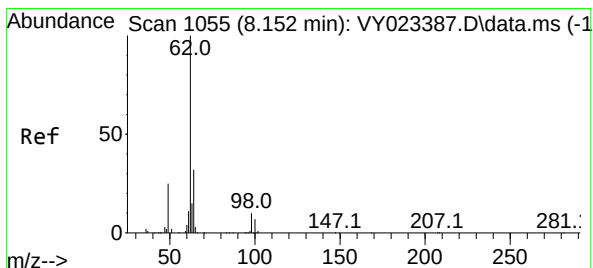
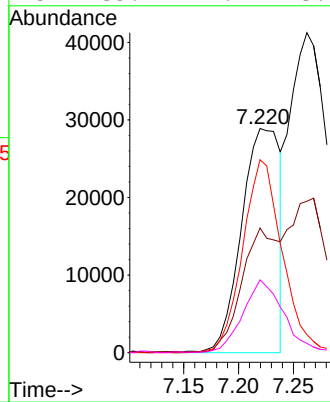
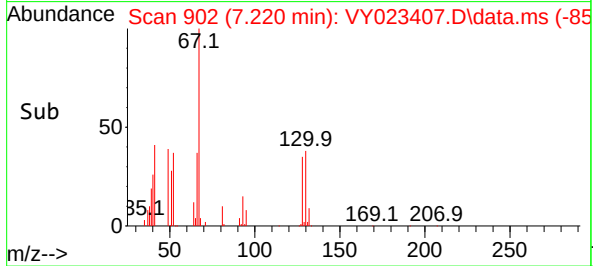
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



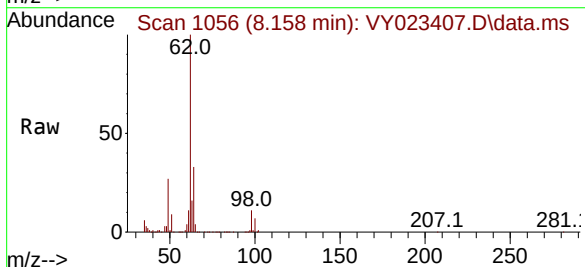
Tgt Ion: 41 Resp: 70514
Ion Ratio Lower Upper
41 100
39 53.3 52.2 78.4
67 89.2 74.9 112.3
52 35.2 29.2 43.8

Manual Integrations
APPROVED

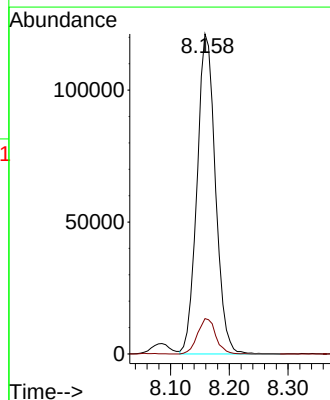
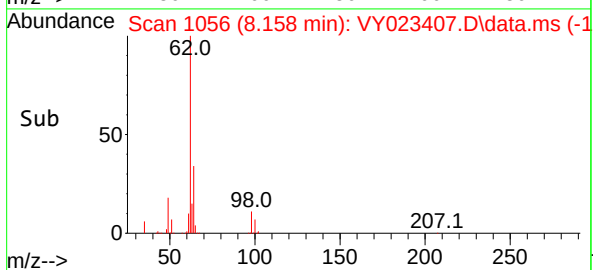
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

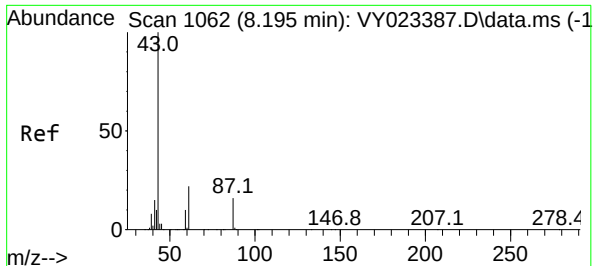


#42
1,2-Dichloroethane
Concen: 51.228 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



Tgt Ion: 62 Resp: 263484
Ion Ratio Lower Upper
62 100
98 11.0 0.0 21.6





#43

Isopropyl Acetate

Concen: 49.451 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 246000

Ion Ratio Lower Upper

43 100

61 33.4 18.1 27.1

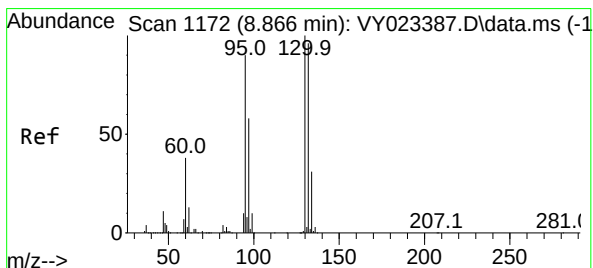
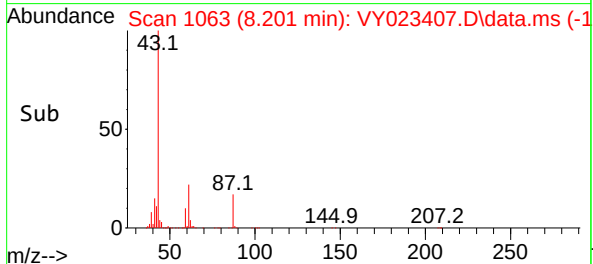
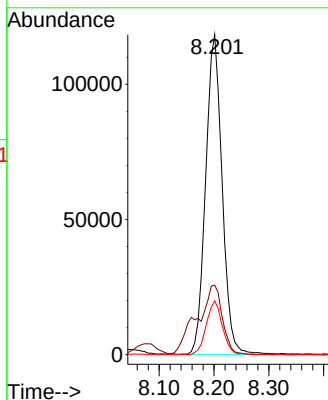
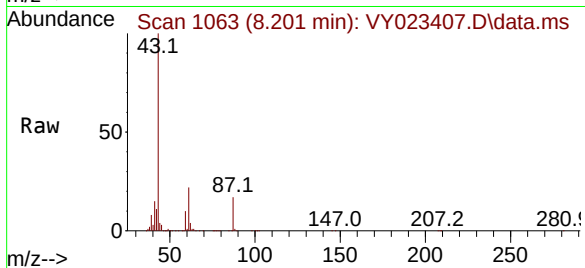
87 16.5 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#44

Trichloroethene

Concen: 51.229 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023407.D

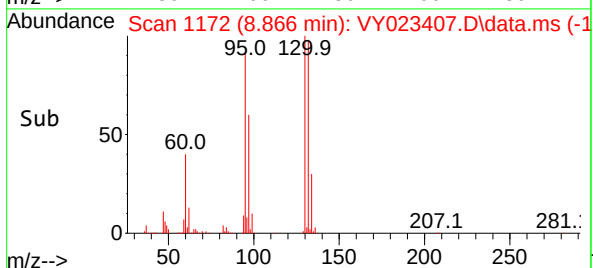
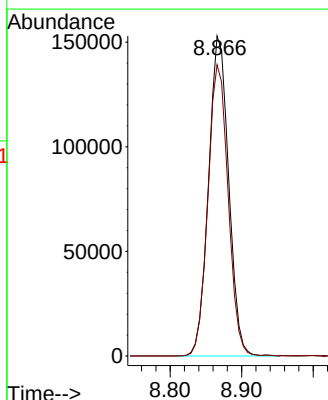
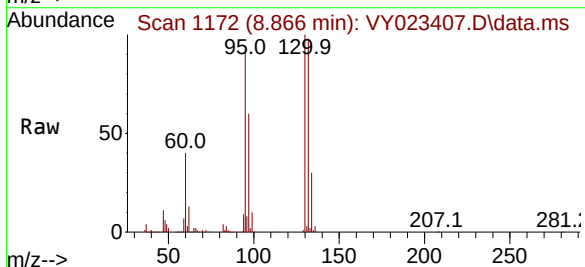
Acq: 09 Oct 2025 08:47

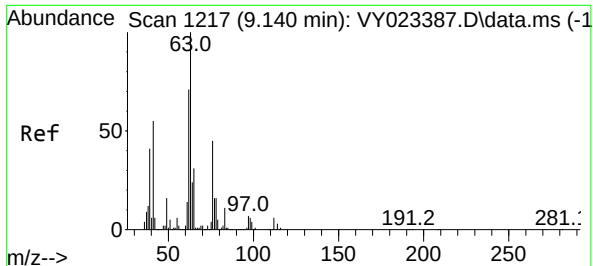
Tgt Ion:130 Resp: 299026

Ion Ratio Lower Upper

130 100

95 91.0 0.0 180.6





#45

1,2-Dichloropropane

Concen: 52.011 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 229100

Ion Ratio Lower Upper

63 100

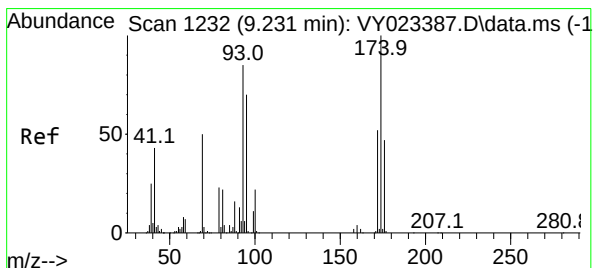
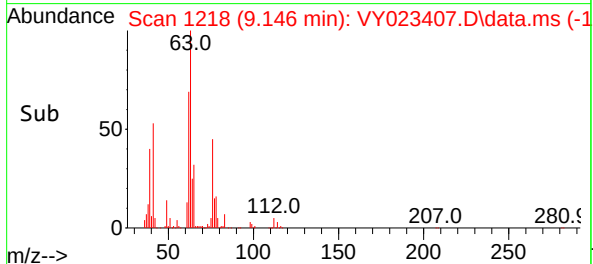
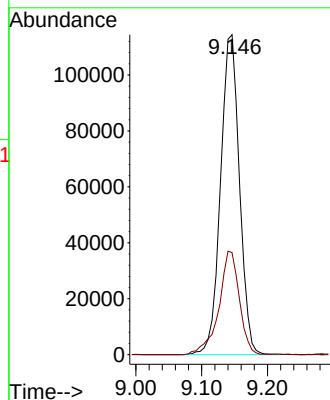
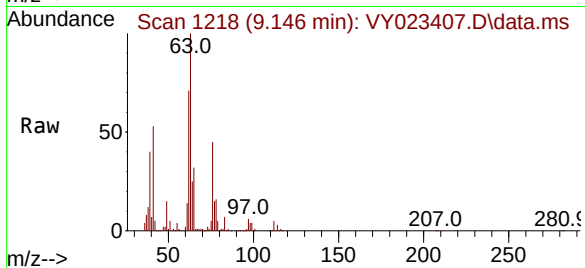
65 31.9 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#46

Dibromomethane

Concen: 53.275 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

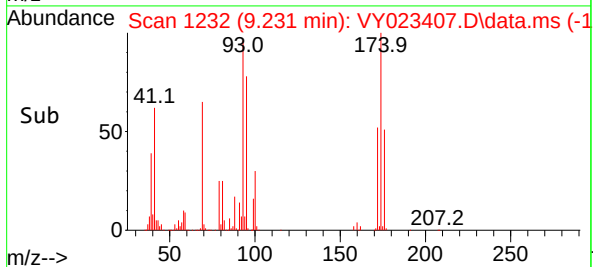
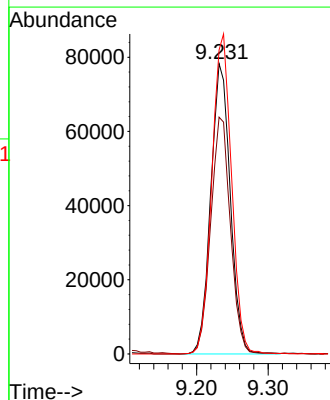
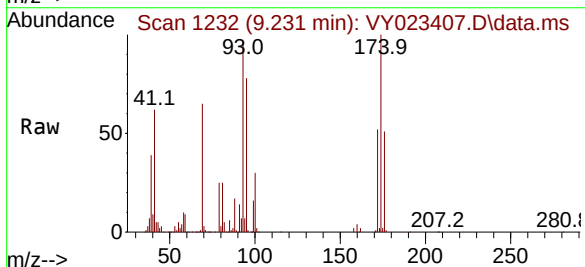
Tgt Ion: 93 Resp: 148392

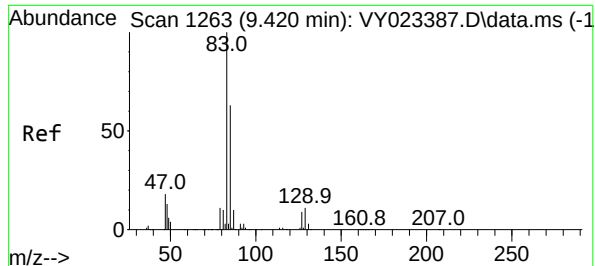
Ion Ratio Lower Upper

93 100

95 82.5 65.4 98.0

174 111.0 92.9 139.3





#47

Bromodichloromethane

Concen: 52.430 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 83 Resp: 367798

Ion Ratio Lower Upper

83 100

85 62.4 50.8 76.2

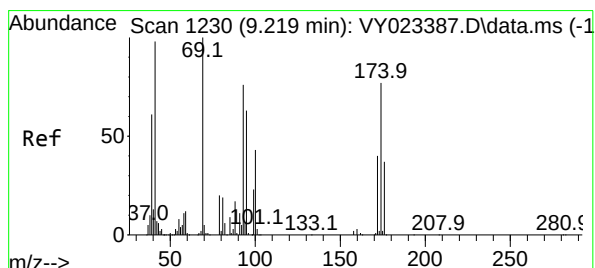
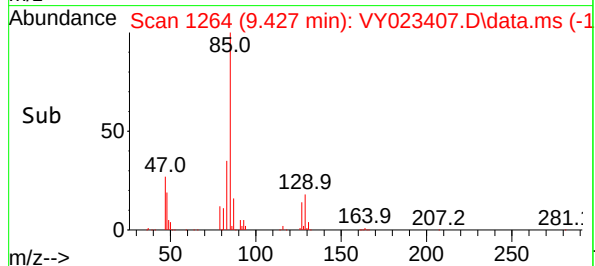
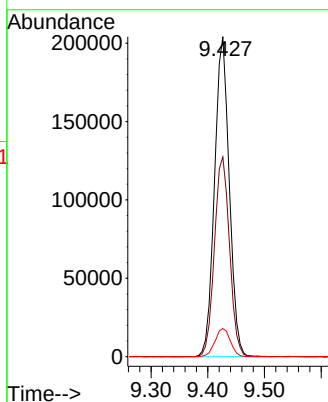
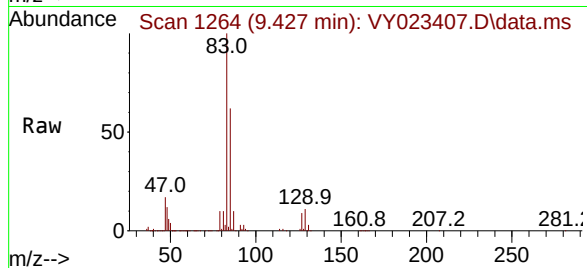
127 8.8 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#48

Methyl methacrylate

Concen: 50.315 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

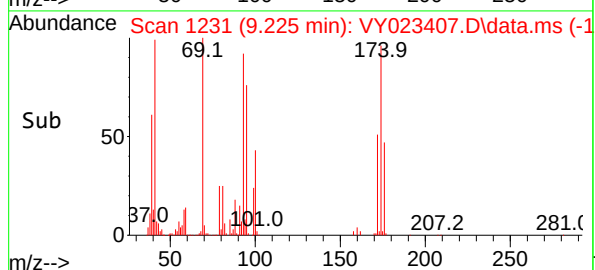
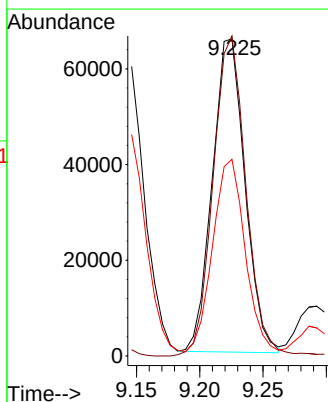
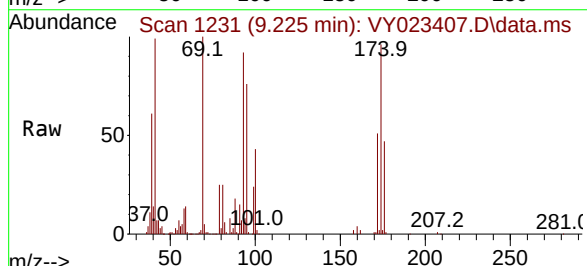
Tgt Ion: 41 Resp: 117590

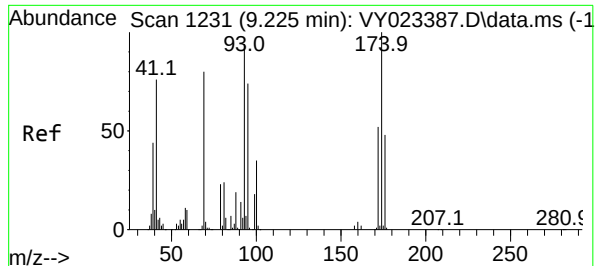
Ion Ratio Lower Upper

41 100

69 103.1 81.0 121.4

39 60.8 48.2 72.4





#49

1,4-Dioxane

Concen: 903.627 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 2918

Ion Ratio Lower Upper

88 100

43 28.0 21.8 32.8

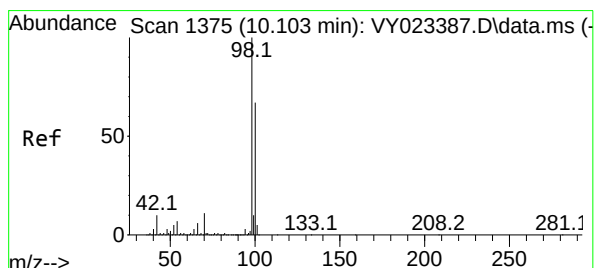
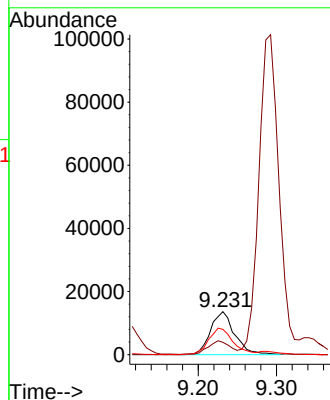
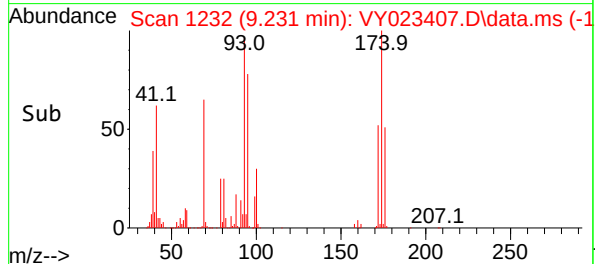
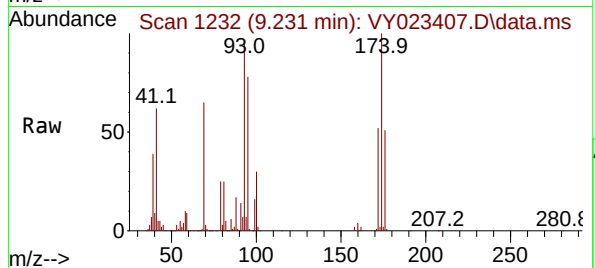
58 62.4 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#50

Toluene-d8

Concen: 52.497 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023407.D

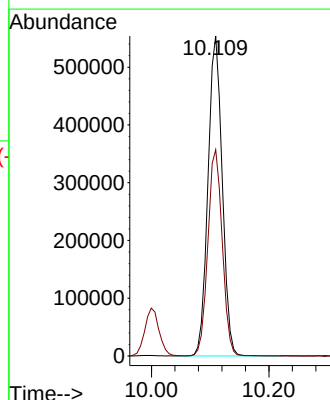
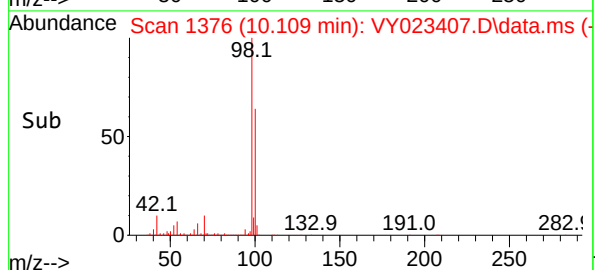
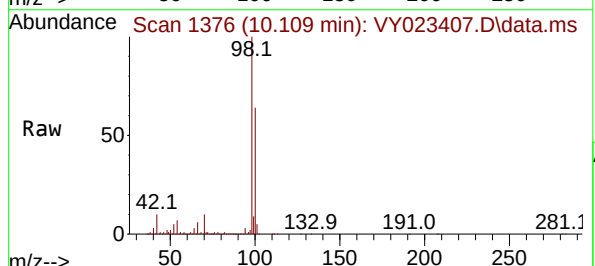
Acq: 09 Oct 2025 08:47

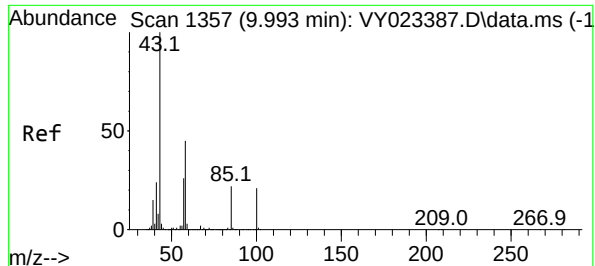
Tgt Ion: 98 Resp: 929940

Ion Ratio Lower Upper

98 100

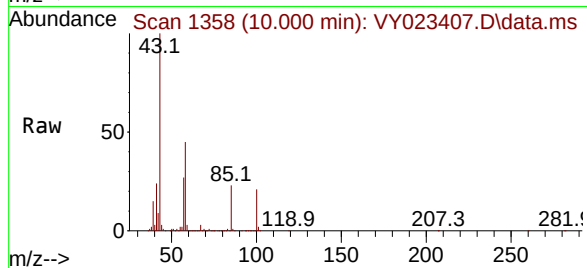
100 65.1 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 261.942 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

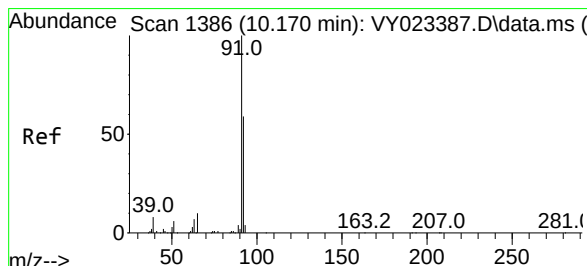
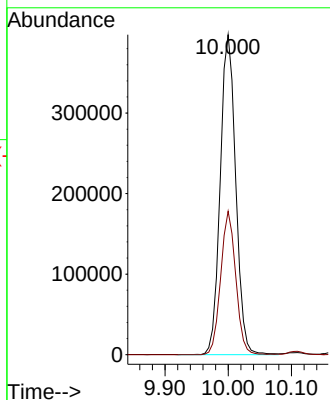
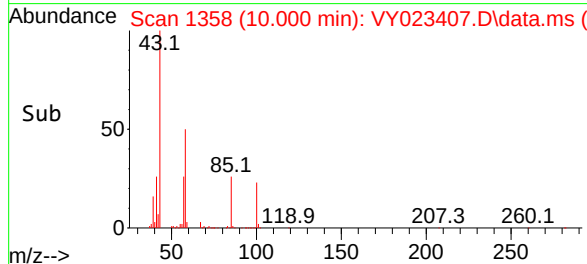
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 673260
Ion Ratio Lower Upper
43 100
58 43.4 35.3 52.9

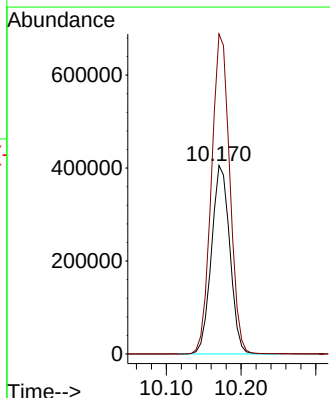
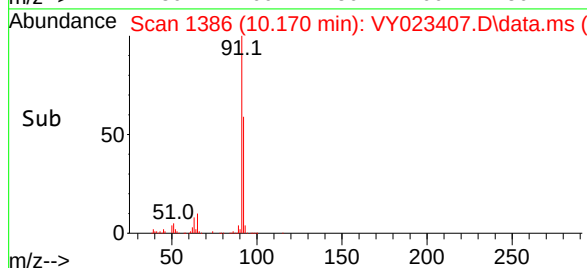
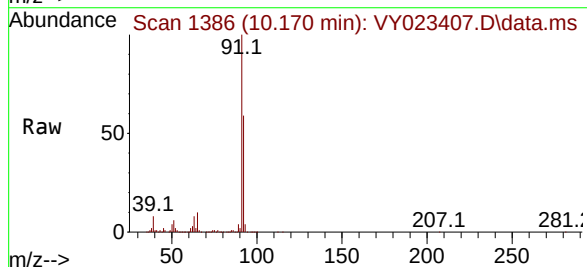
Manual Integrations
APPROVED

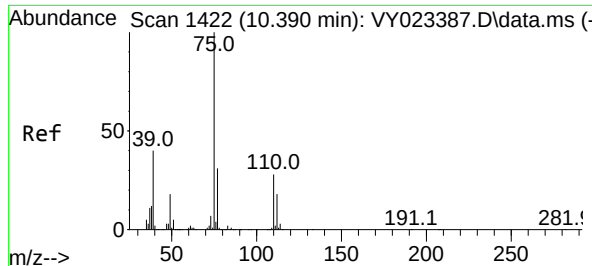
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#52
Toluene
Concen: 53.439 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Tgt Ion: 92 Resp: 691962
Ion Ratio Lower Upper
92 100
91 169.9 136.4 204.6





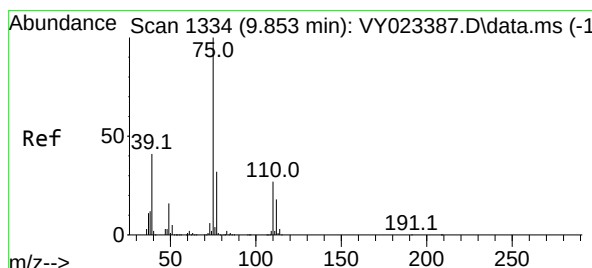
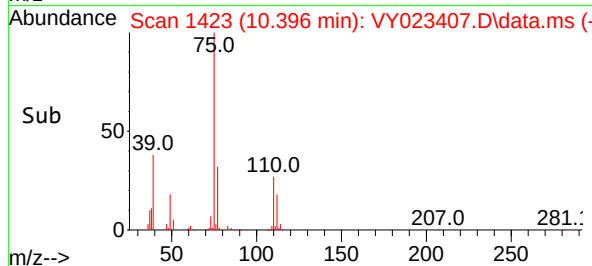
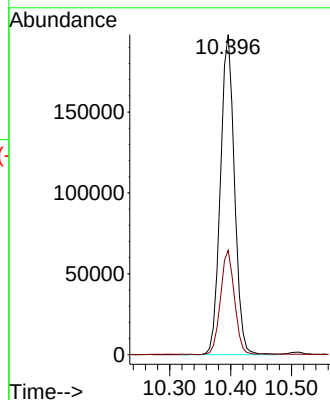
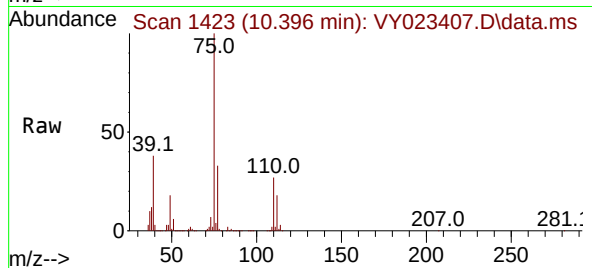
#53
t-1,3-Dichloropropene
Concen: 52.141 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 31804
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7

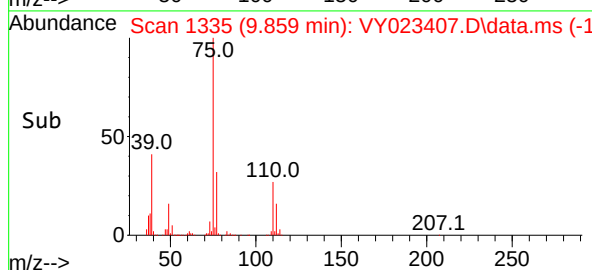
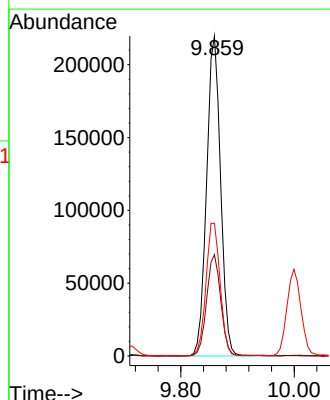
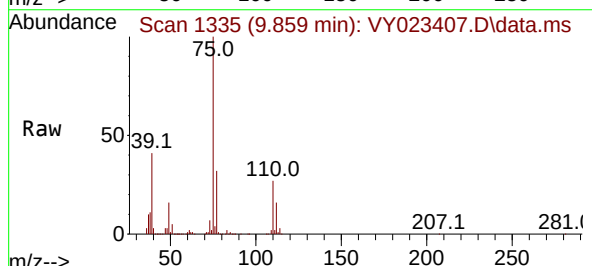
Manual Integrations
APPROVED

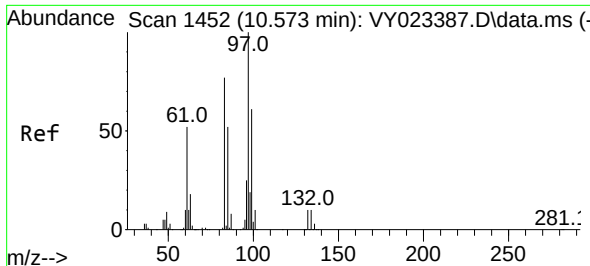
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 52.320 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

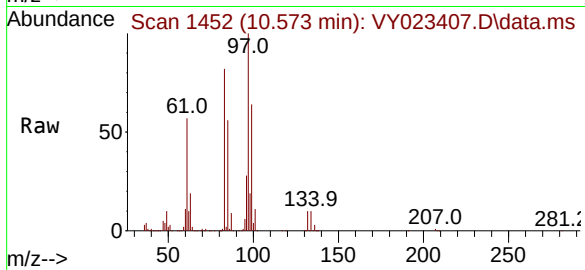
Tgt Ion: 75 Resp: 376659
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 41.4 32.8 49.2





#55
1,1,2-Trichloroethane
Concen: 52.802 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

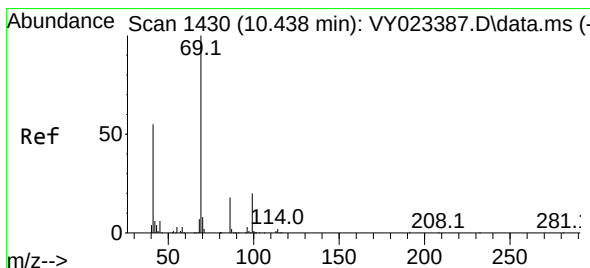
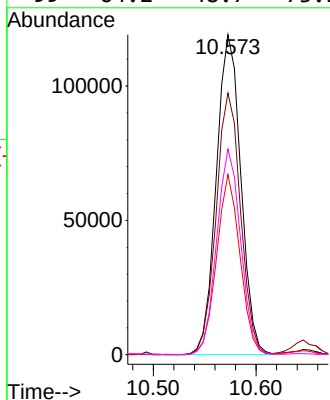
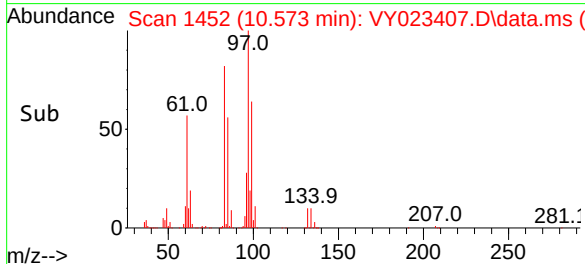
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



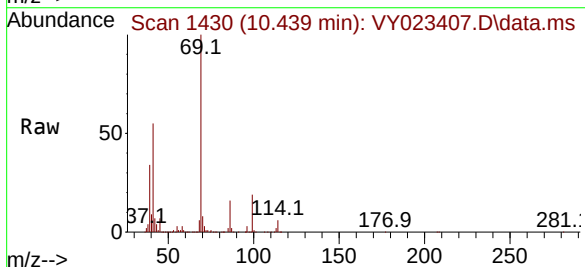
Tgt Ion: 97 Resp: 197777
Ion Ratio Lower Upper
97 100
83 81.8 61.8 92.6
85 56.2 41.3 61.9
99 64.2 48.7 73.1

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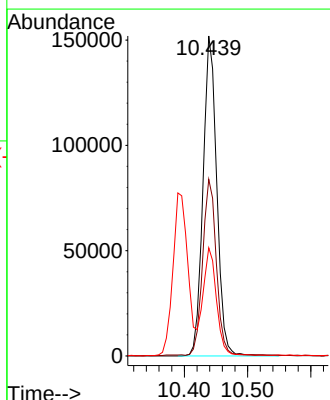
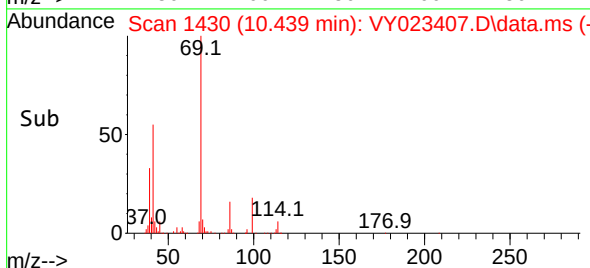
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

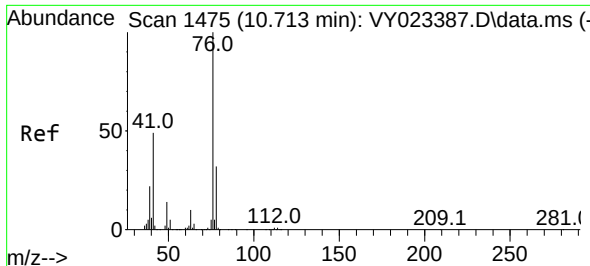


#56
Ethyl methacrylate
Concen: 53.280 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



Tgt Ion: 69 Resp: 230201
Ion Ratio Lower Upper
69 100
41 54.6 44.6 67.0
39 32.2 27.0 40.4





#57

1,3-Dichloropropane

Concen: 52.603 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 312218

Ion Ratio Lower Upper

76 100

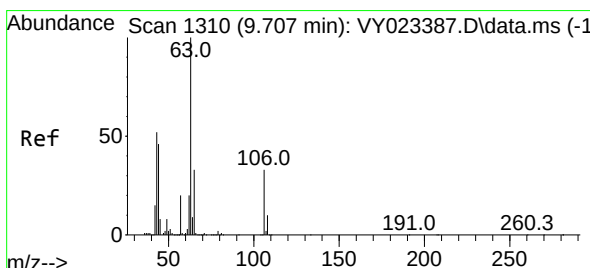
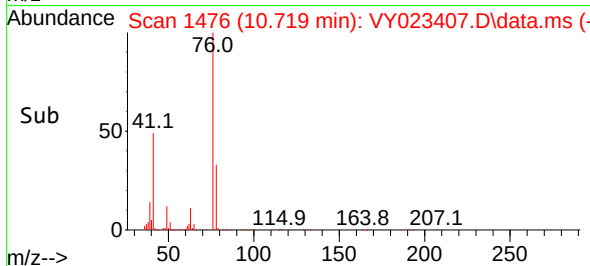
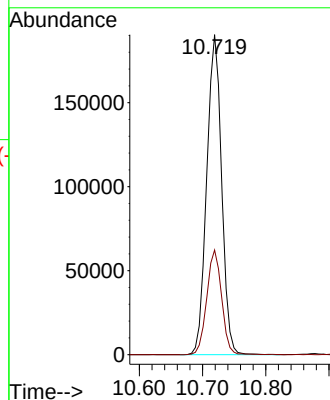
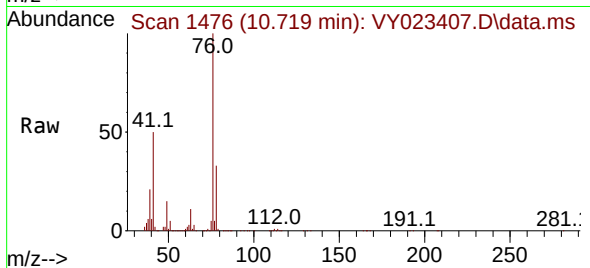
78 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 263.940 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023407.D

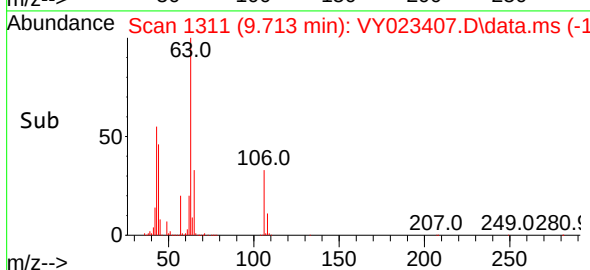
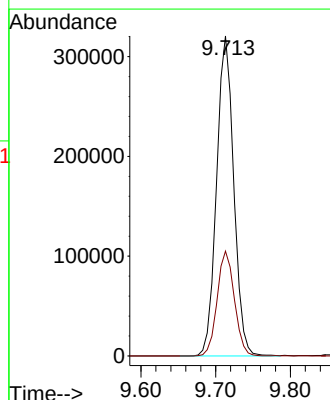
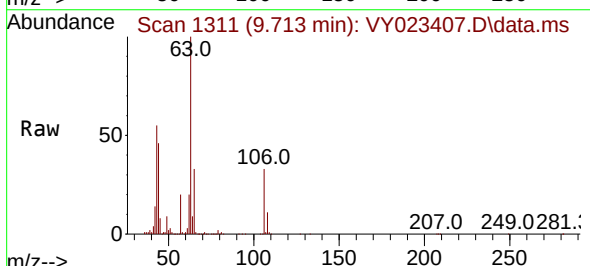
Acq: 09 Oct 2025 08:47

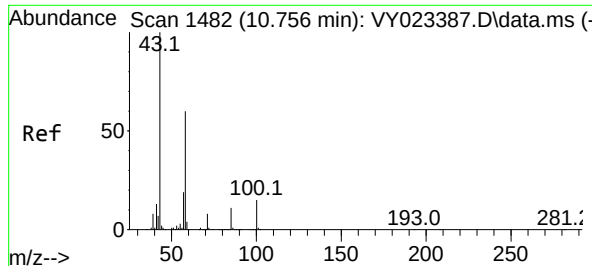
Tgt Ion: 63 Resp: 510862

Ion Ratio Lower Upper

63 100

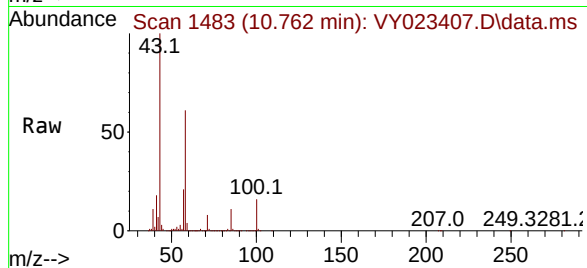
106 32.9 26.6 39.8





#59
2-Hexanone
Concen: 264.747 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

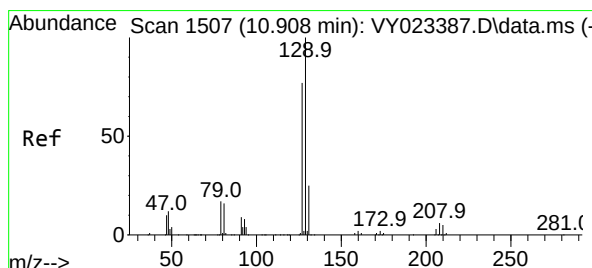
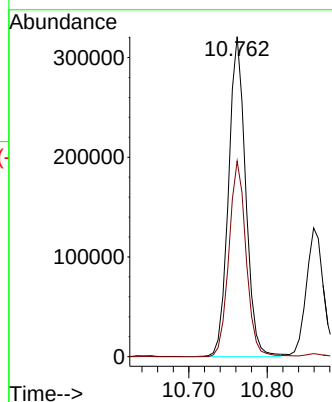
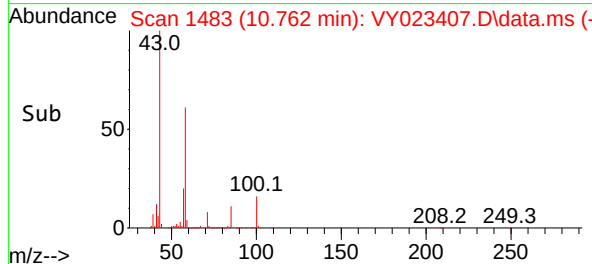
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 486294
Ion Ratio Lower Upper
43 100
58 61.5 30.5 91.5

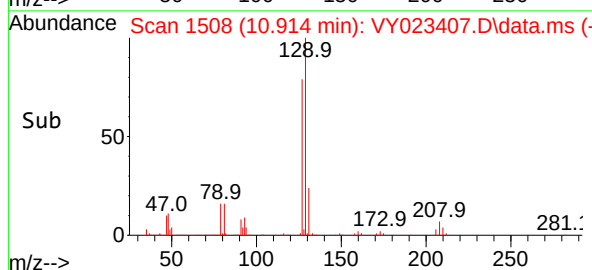
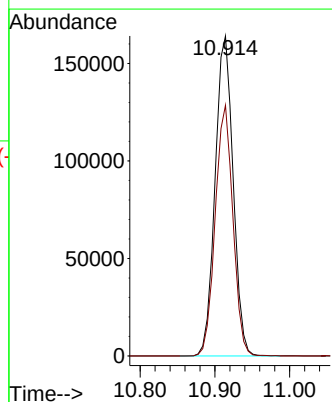
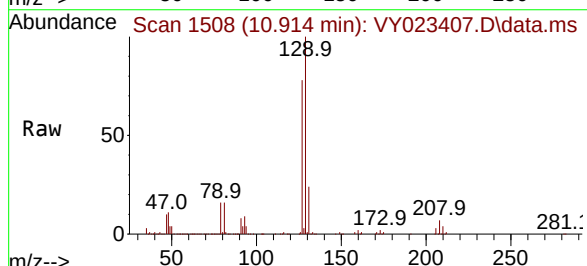
Manual Integrations
APPROVED

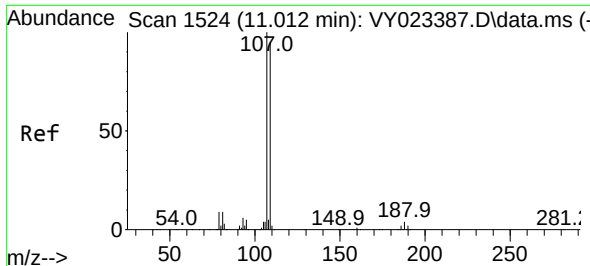
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#60
Dibromochloromethane
Concen: 52.392 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

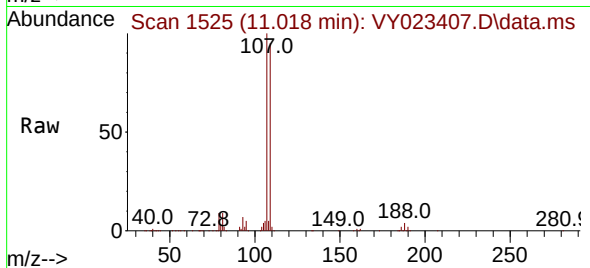
Tgt Ion:129 Resp: 275135
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61
1,2-Dibromoethane
Concen: 52.230 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

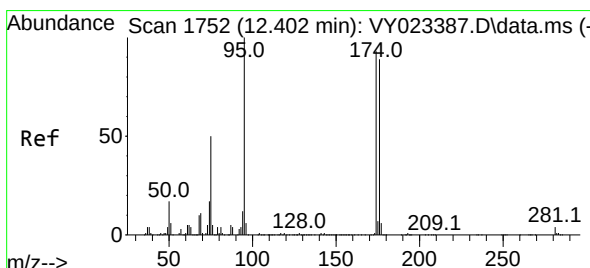
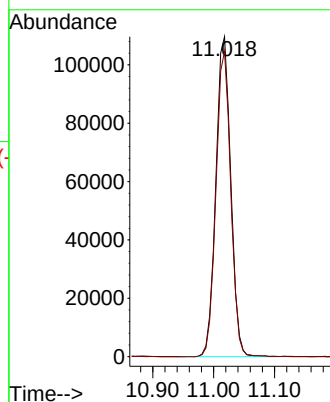
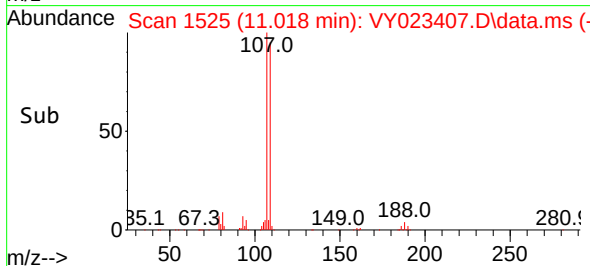
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



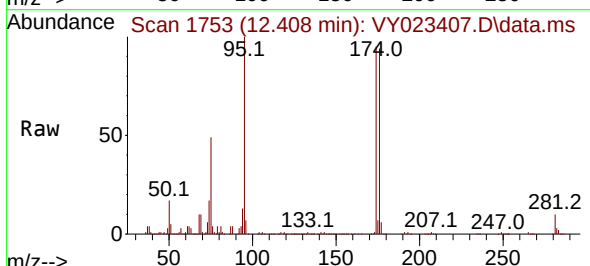
Tgt Ion:107 Resp: 186579
Ion Ratio Lower Upper
107 100
109 94.4 76.1 114.1

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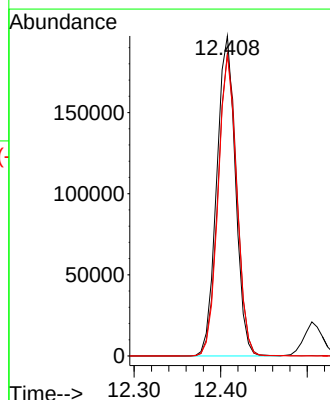
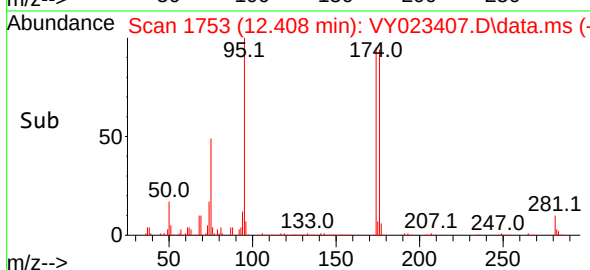
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

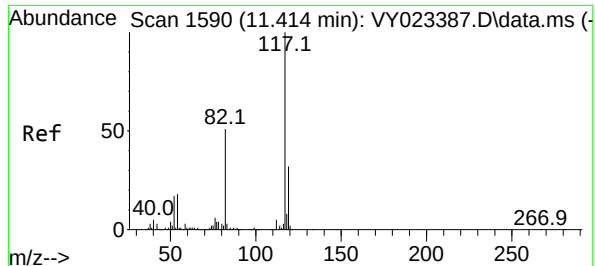


#62
4-Bromofluorobenzene
Concen: 50.706 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



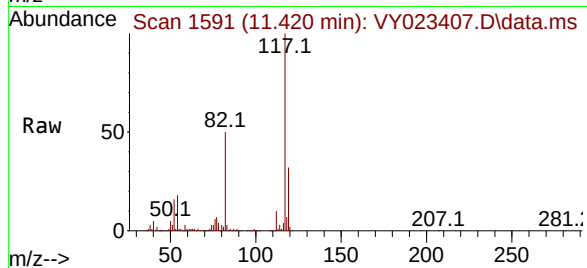
Tgt Ion: 95 Resp: 296545
Ion Ratio Lower Upper
95 100
174 95.7 0.0 192.8
176 93.0 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11591
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

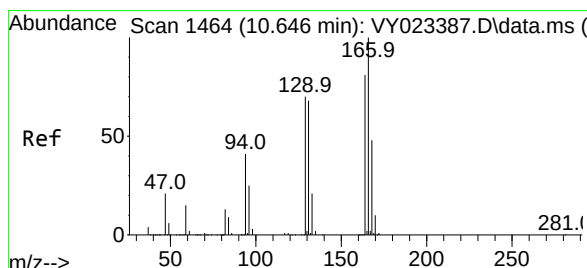
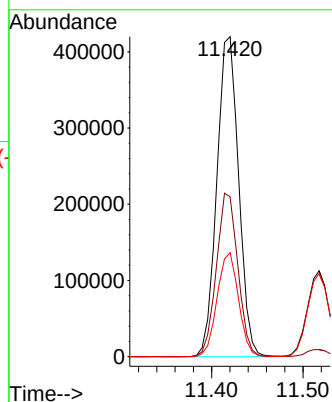
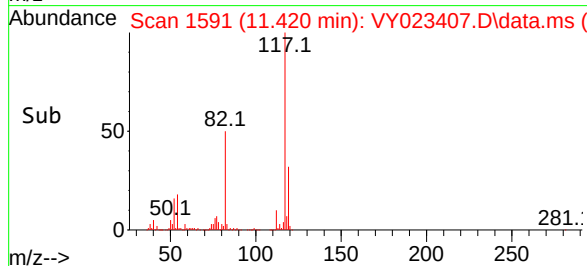
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



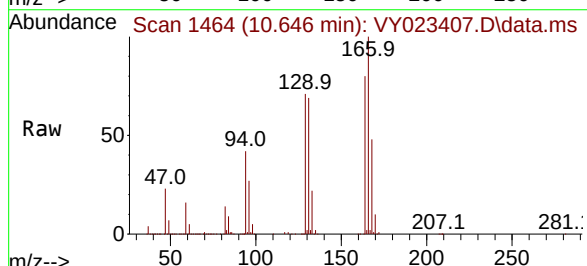
Tgt Ion:117 Resp: 69634
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.4
119 32.5 25.6 38.4

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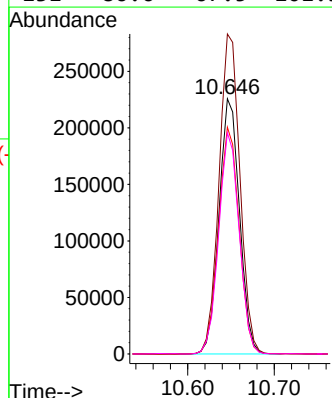
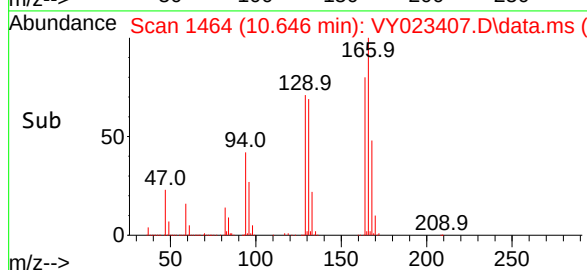
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

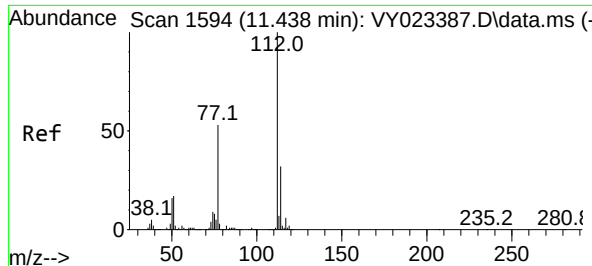


#64
Tetrachloroethene
Concen: 51.752 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



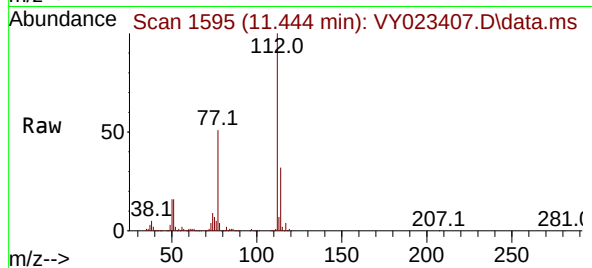
Tgt Ion:164 Resp: 372099
Ion Ratio Lower Upper
164 100
166 125.4 99.4 149.0
129 88.9 69.4 104.2
131 86.6 67.5 101.3





#65
Chlorobenzene
Concen: 50.723 ug/l
RT: 11.444 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

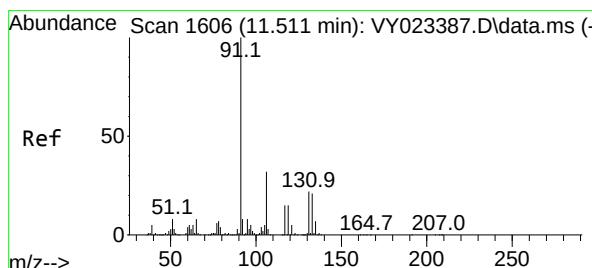
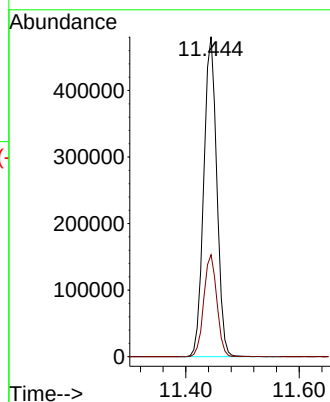
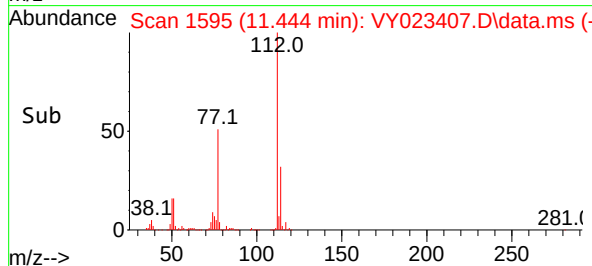
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 768208
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

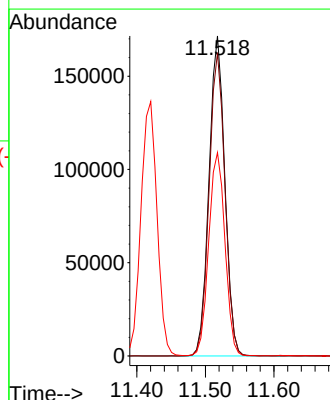
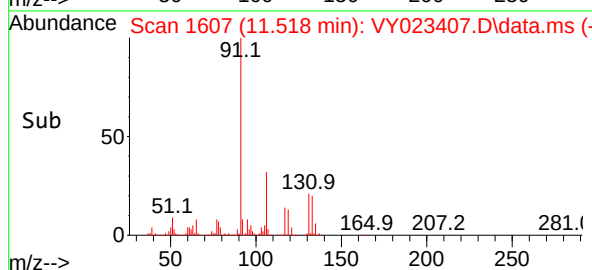
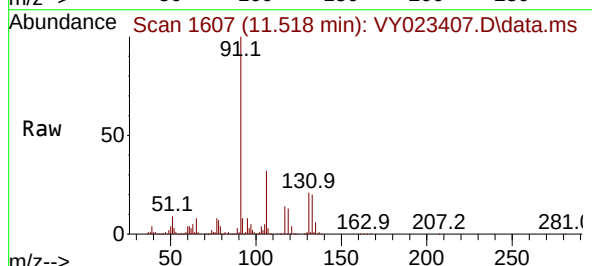
Manual Integrations
APPROVED

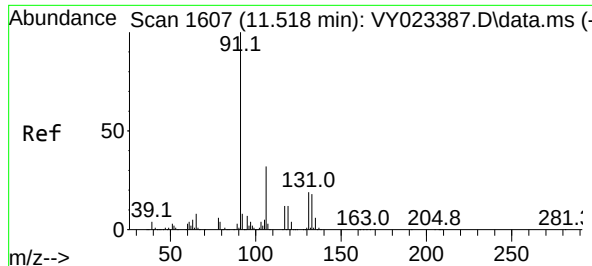
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.134 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Tgt Ion:131 Resp: 275973
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 65.2 32.4 97.2





#67

Ethyl Benzene

Concen: 52.144 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 127831

Ion Ratio Lower Upper

91 100

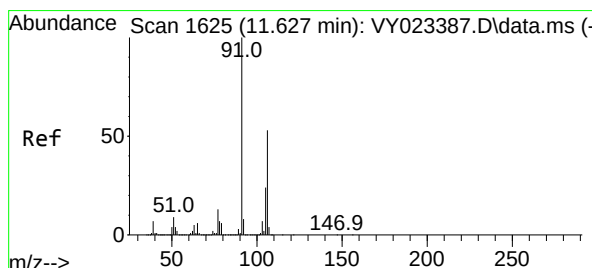
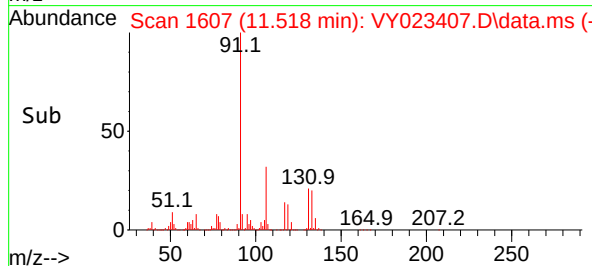
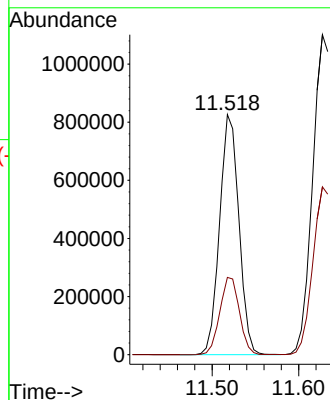
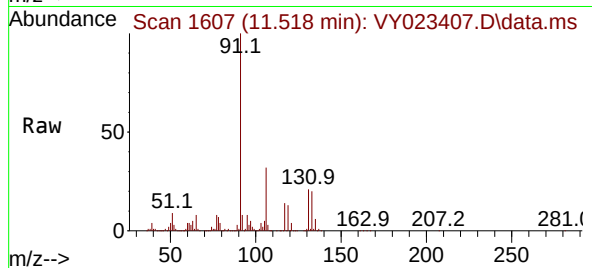
106 32.2 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#68

m/p-Xylenes

Concen: 105.533 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023407.D

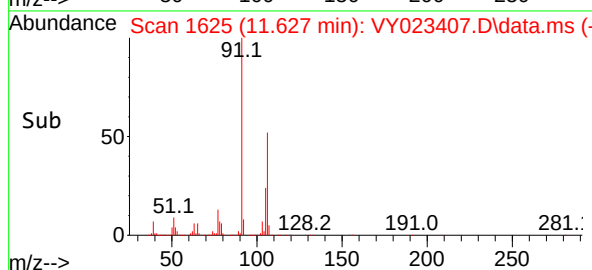
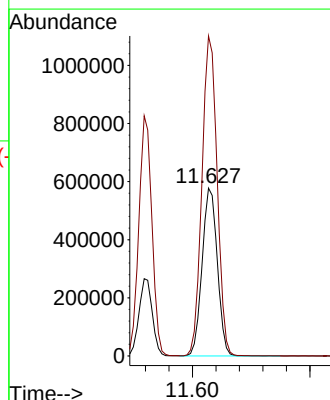
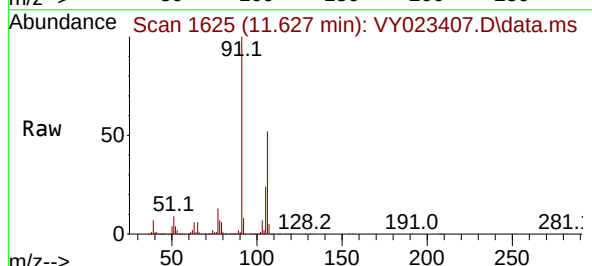
Acq: 09 Oct 2025 08:47

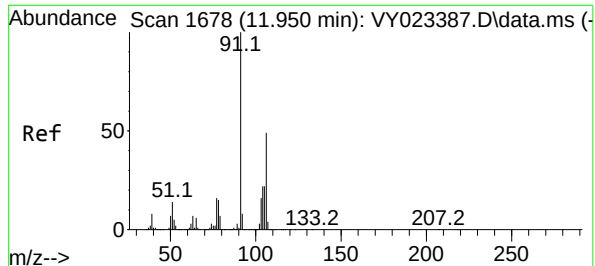
Tgt Ion:106 Resp: 1037707

Ion Ratio Lower Upper

106 100

91 190.7 152.6 229.0





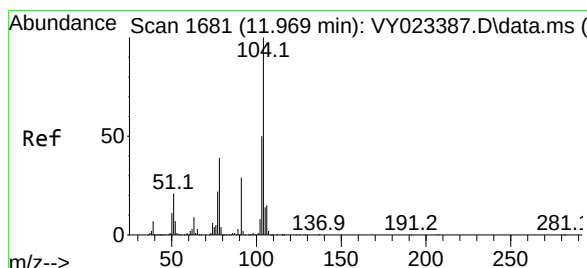
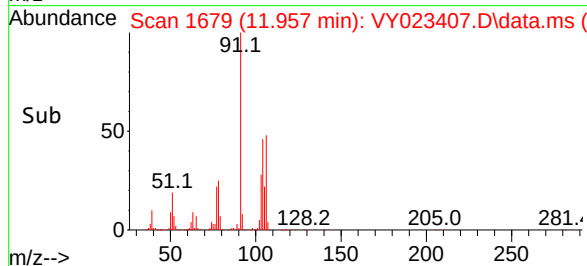
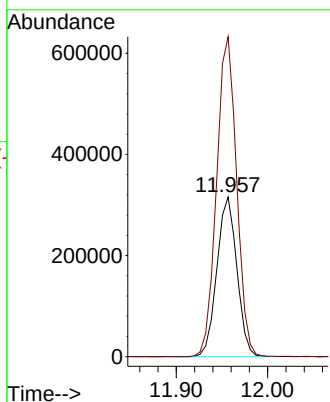
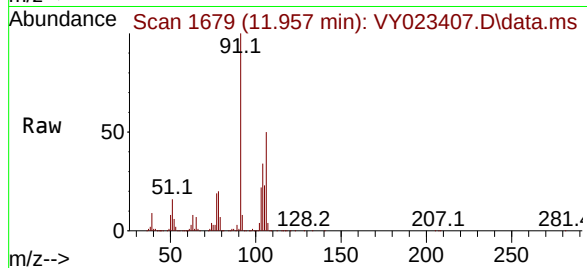
#69
o-Xylene
Concen: 52.013 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 47971
Ion Ratio Lower Upper
106 100
91 201.2 101.4 304.1

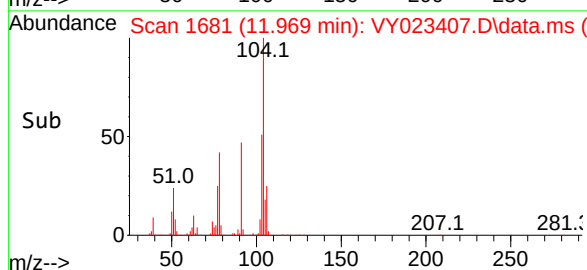
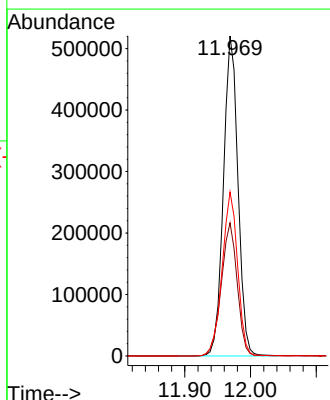
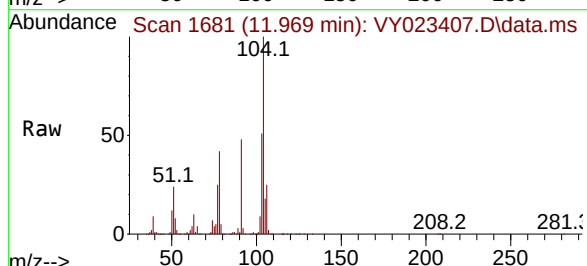
Manual Integrations
APPROVED

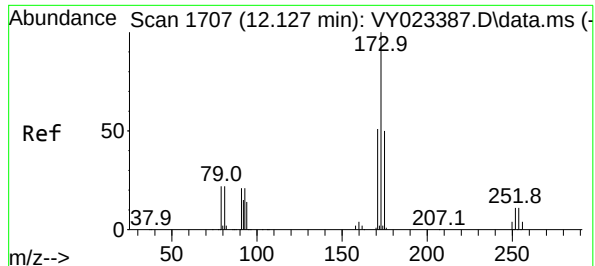
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#70
Styrene
Concen: 52.844 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

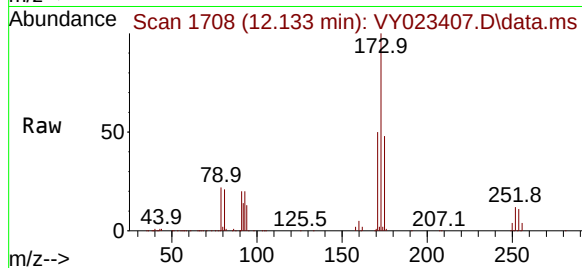
Tgt Ion:104 Resp: 801488
Ion Ratio Lower Upper
104 100
78 45.5 36.1 54.1
103 54.5 43.2 64.8





#71
Bromoform
Concen: 50.460 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

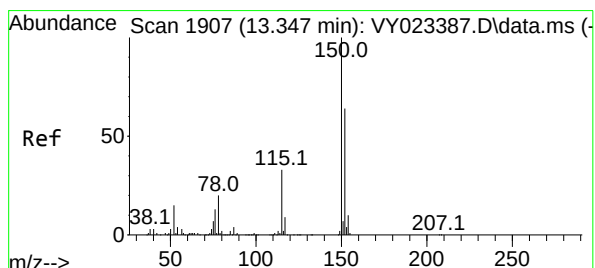
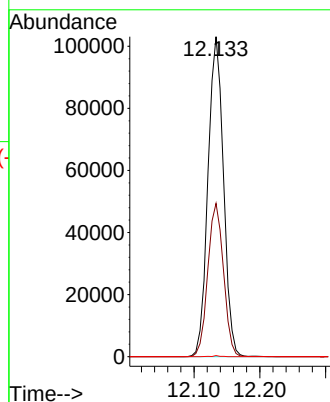
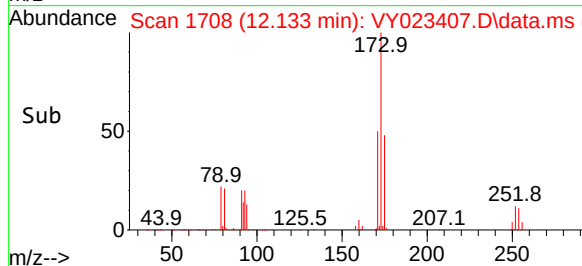
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



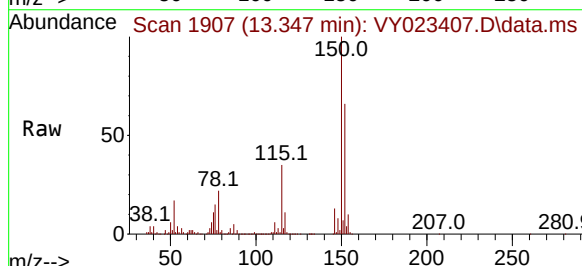
Tgt Ion:173 Resp: 168928
Ion Ratio Lower Upper
173 100
175 48.4 24.8 74.3
254 0.2 0.1 0.1

Manual Integrations
APPROVED

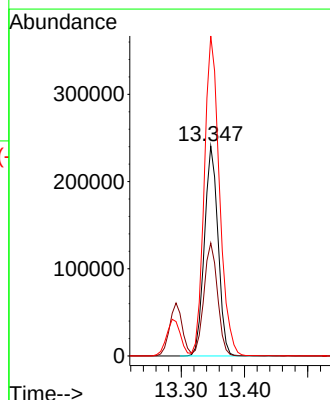
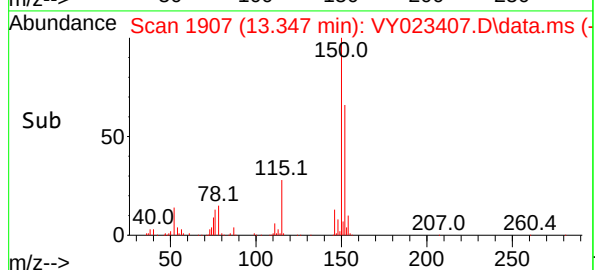
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

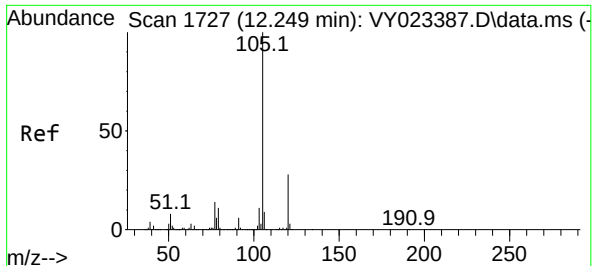


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47



Tgt Ion:152 Resp: 360790
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.2
150 170.0 0.0 347.4





#73

Isopropylbenzene

Concen: 52.380 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 124542

Ion Ratio Lower Upper

105 100

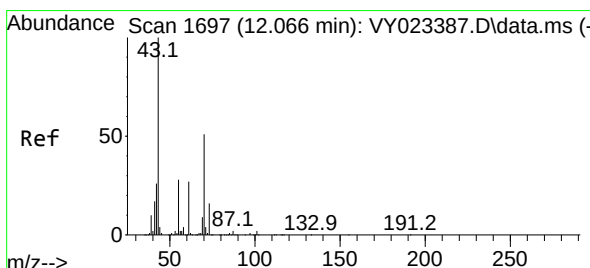
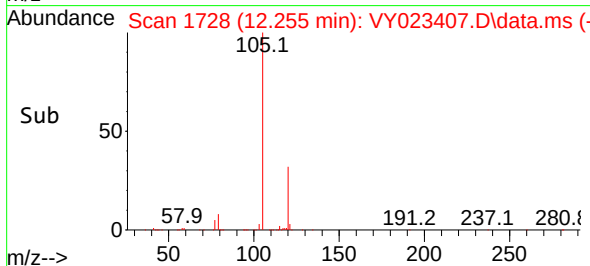
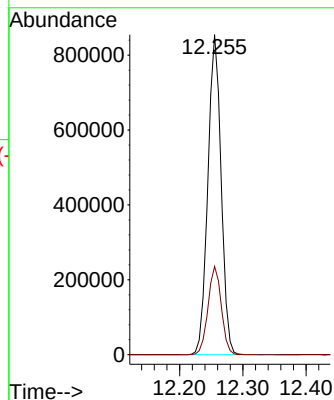
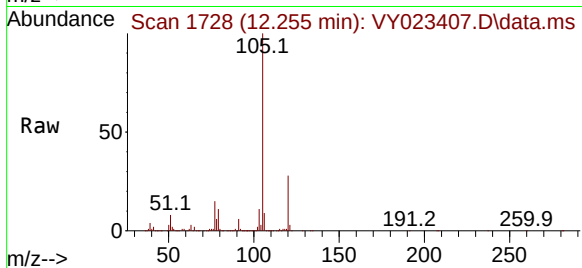
120 27.7 13.9 41.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#74

N-ethyl acetate

Concen: 49.925 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion: 43 Resp: 213212

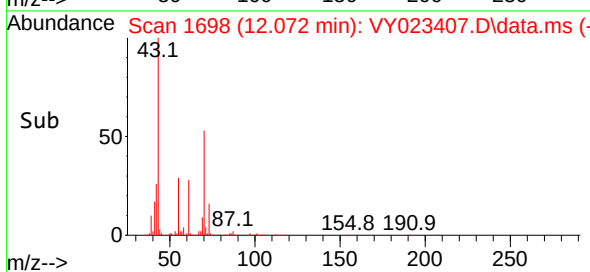
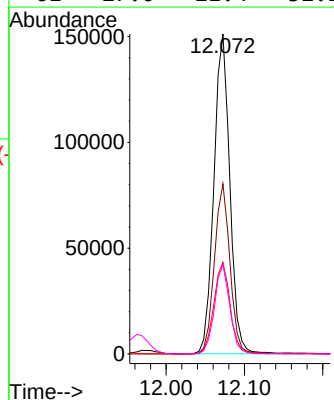
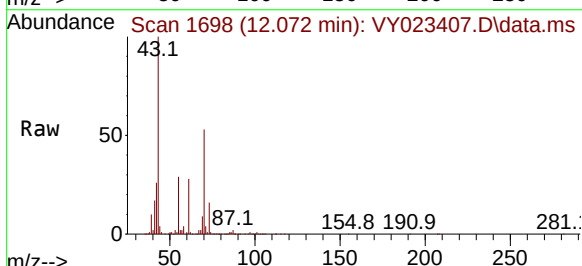
Ion Ratio Lower Upper

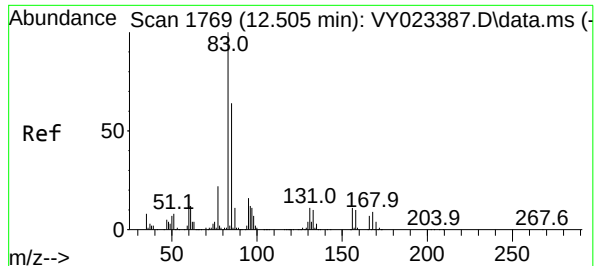
43 100

70 52.3 41.1 61.7

55 29.5 23.0 34.6

61 27.0 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.838 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 19381

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.6

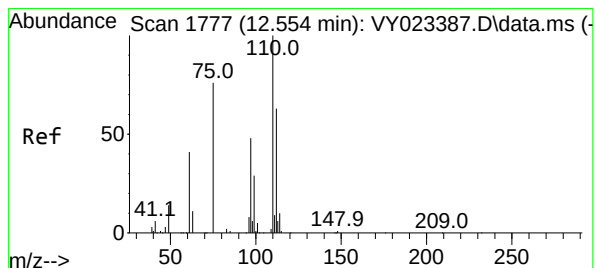
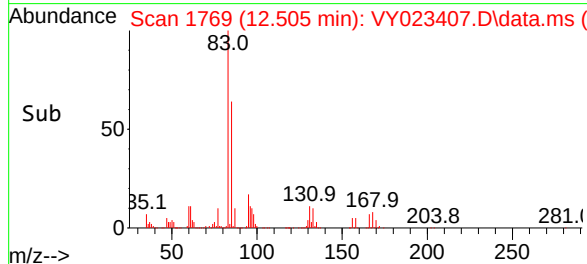
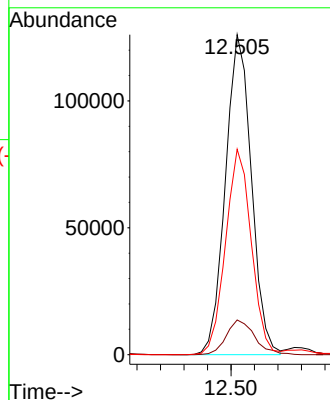
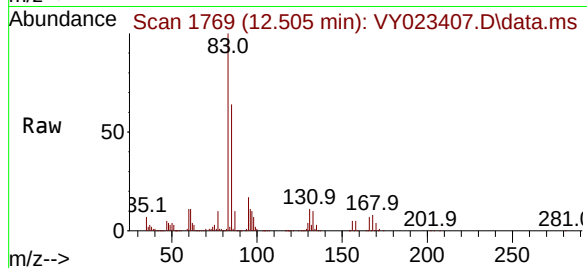
85 63.7 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#76

1,2,3-Trichloropropane

Concen: 47.221 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023407.D

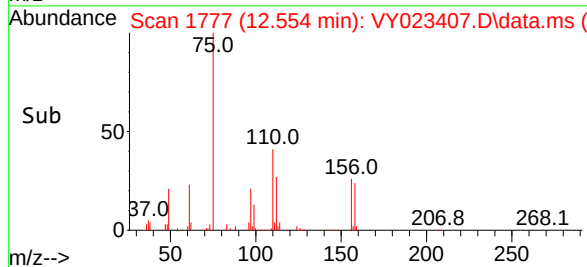
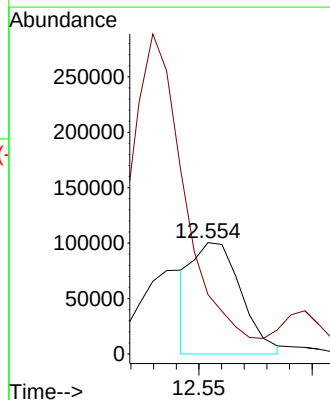
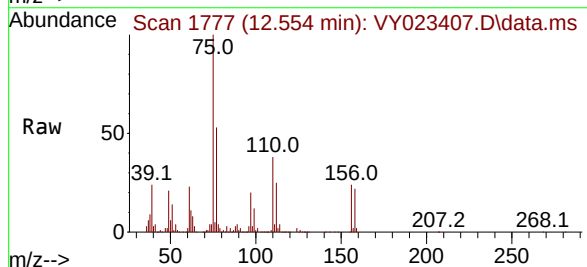
Acq: 09 Oct 2025 08:47

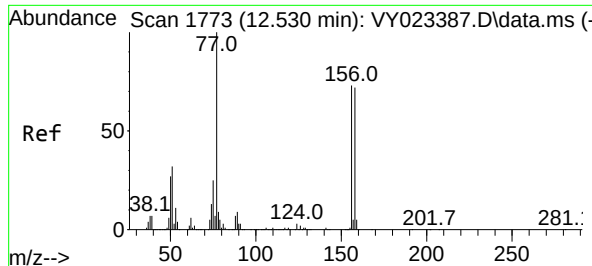
Tgt Ion: 75 Resp: 150310

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.268 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

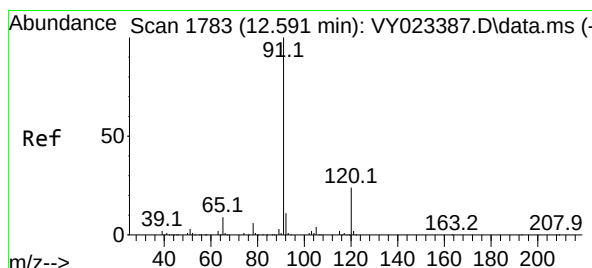
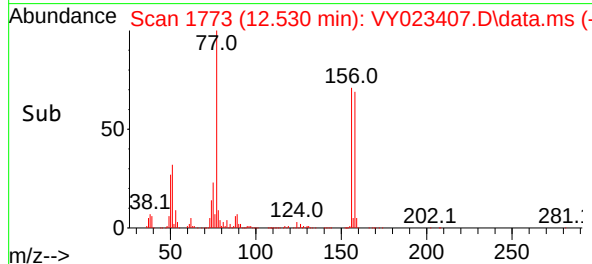
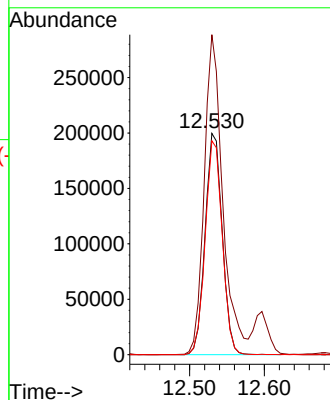
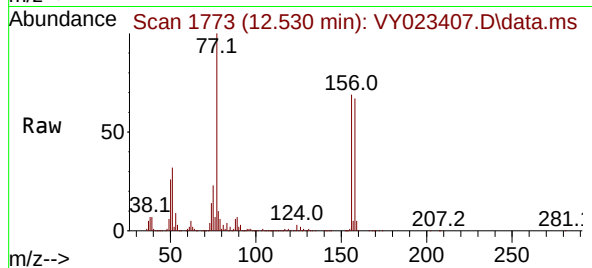
VSTDCCC050

Tgt Ion:	156	Resp:	31774
Ion Ratio	Lower	Upper	
156	100		
77	156.3	76.8	230.5
158	96.6	49.0	147.2

Manual Integrations

APPROVED

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



#78

n-propylbenzene

Concen: 53.022 ug/l

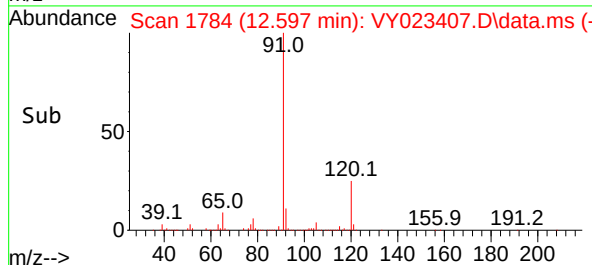
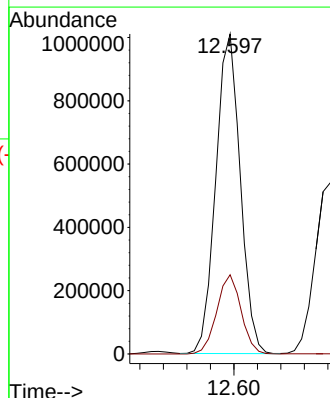
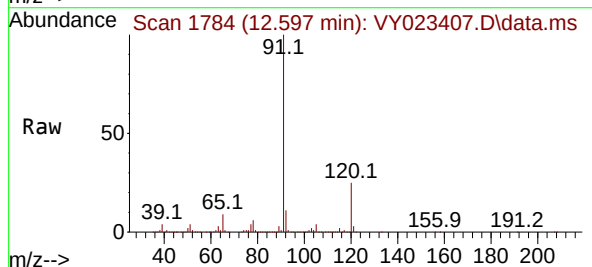
RT: 12.597 min Scan# 1784

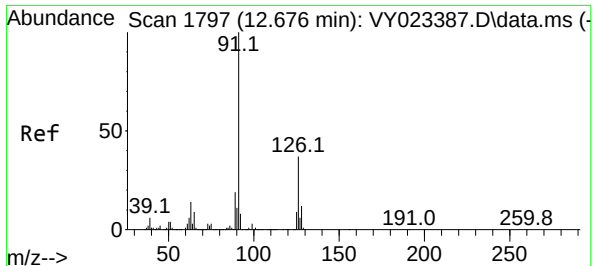
Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion:	91	Resp:	1458866
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.8





#79

2-Chlorotoluene

Concen: 51.650 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 832200

Ion Ratio Lower Upper

91 100

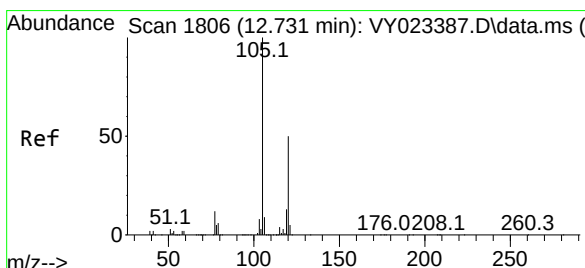
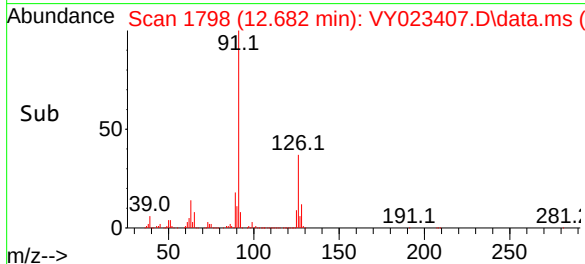
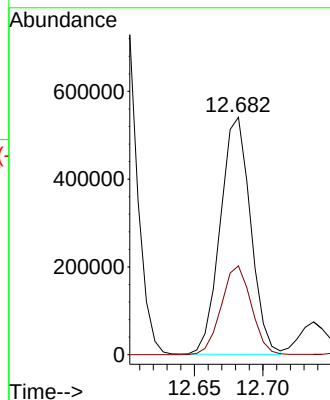
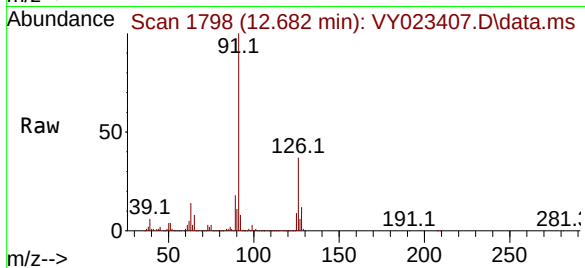
126 37.2 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.093 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023407.D

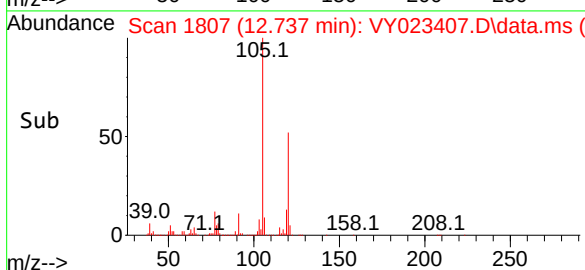
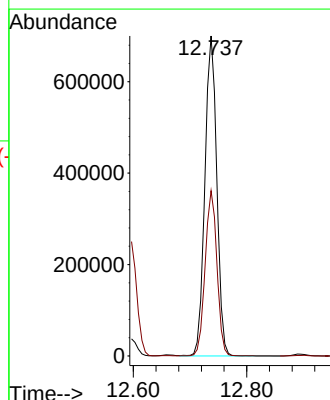
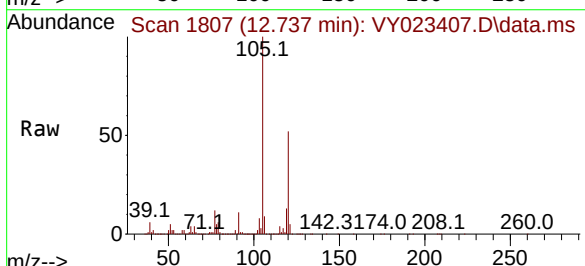
Acq: 09 Oct 2025 08:47

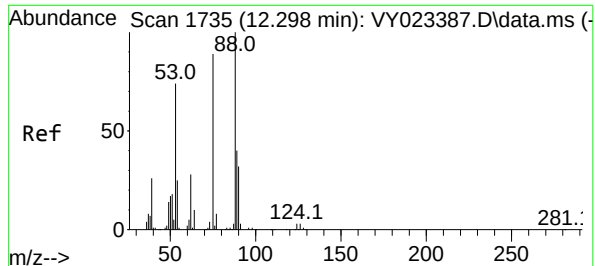
Tgt Ion:105 Resp: 1020091

Ion Ratio Lower Upper

105 100

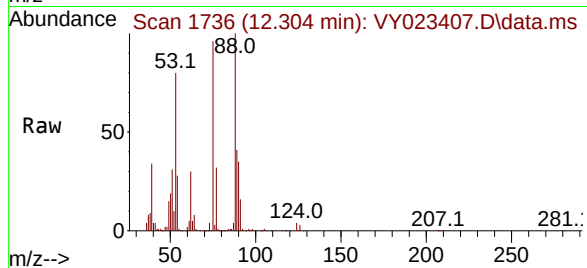
120 51.1 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 49.916 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

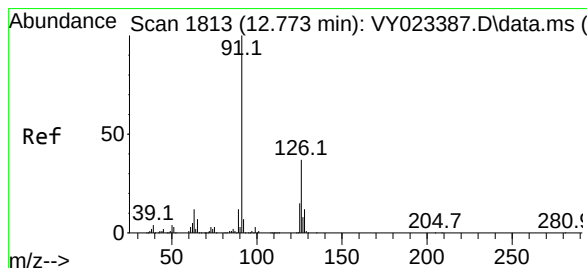
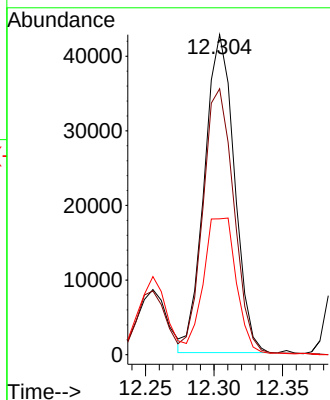
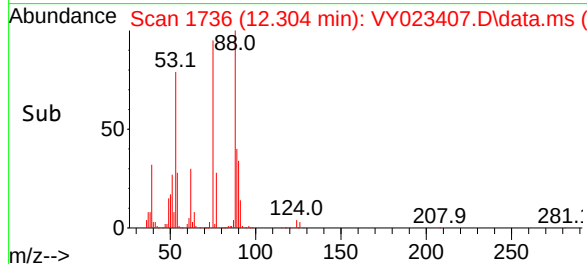
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 6479
Ion Ratio Lower Upper
75 100
53 87.4 68.6 102.8
89 47.5 39.0 58.4

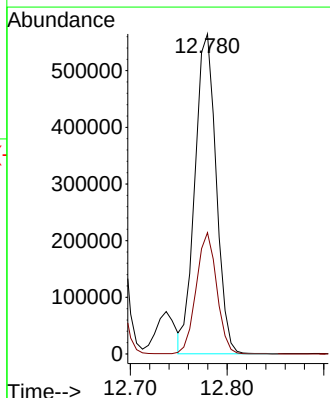
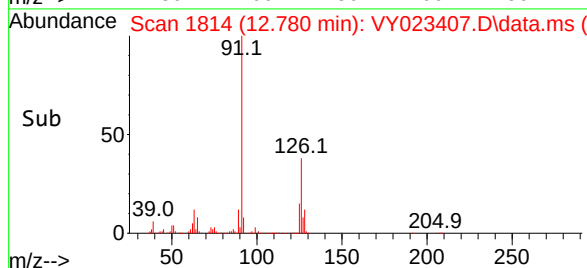
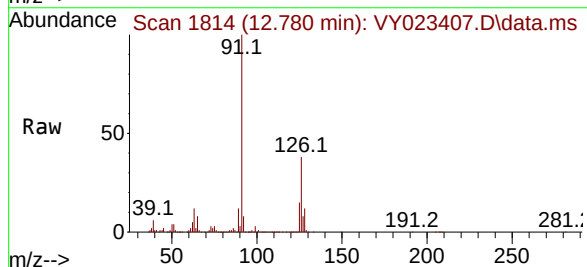
Manual Integrations
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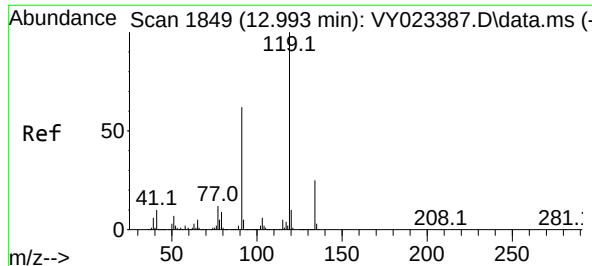
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#82
4-Chlorotoluene
Concen: 51.889 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023407.D
Acq: 09 Oct 2025 08:47

Tgt Ion: 91 Resp: 861031
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.4





#83

tert-Butylbenzene

Concen: 52.071 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 92373

Ion Ratio Lower Upper

119 100

91 59.9 29.9 89.8

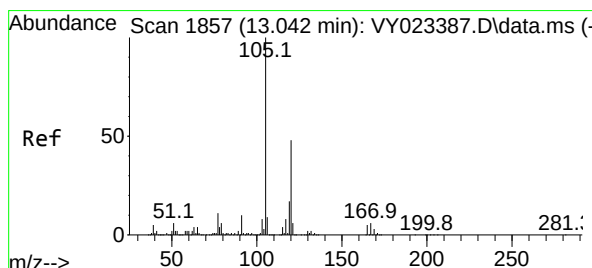
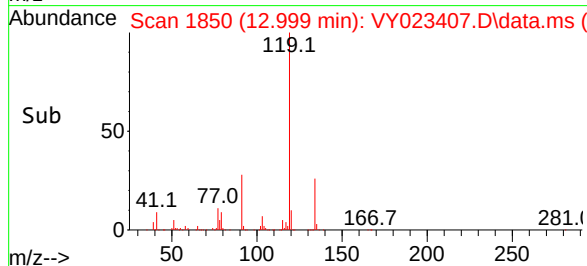
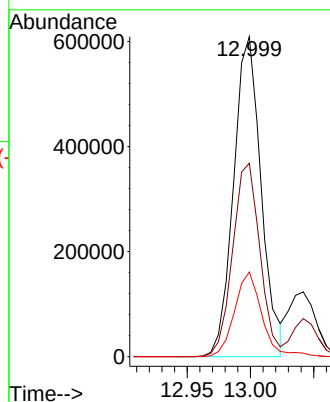
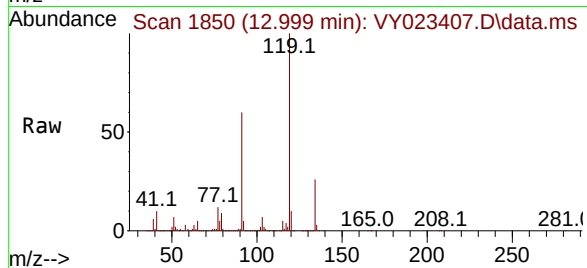
134 26.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.908 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023407.D

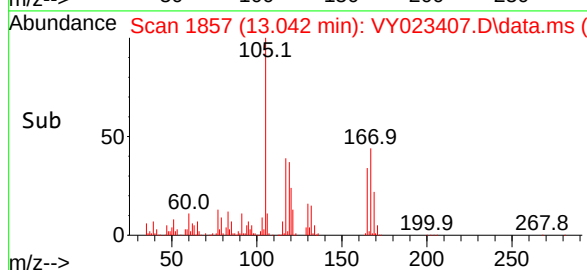
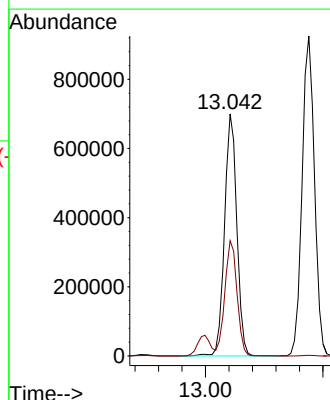
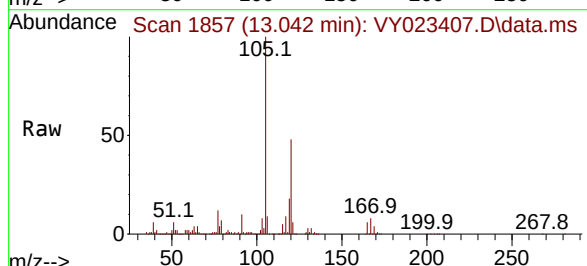
Acq: 09 Oct 2025 08:47

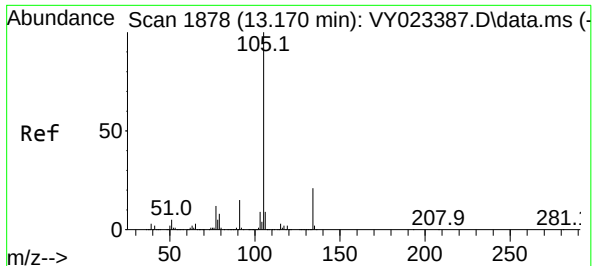
Tgt Ion:105 Resp: 1014495

Ion Ratio Lower Upper

105 100

120 47.1 23.8 71.2





#85

sec-Butylbenzene

Concen: 52.950 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1347428

Ion Ratio Lower Upper

105 100

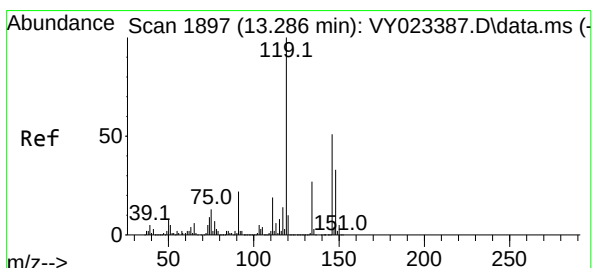
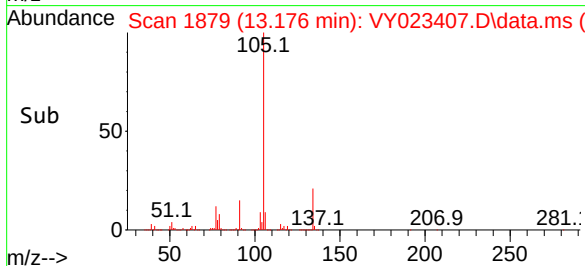
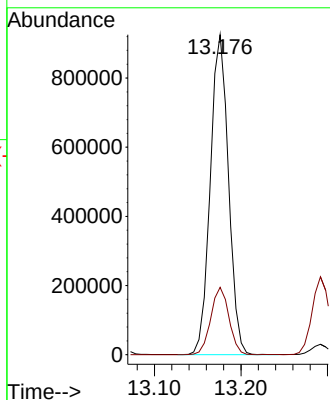
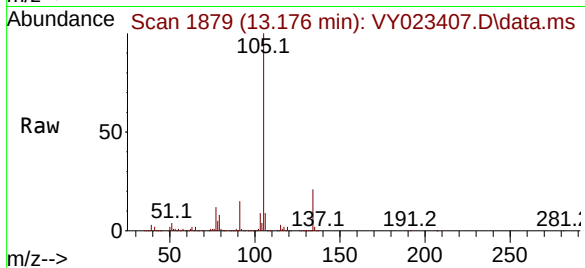
134 21.0 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#86

p-Isopropyltoluene

Concen: 53.120 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

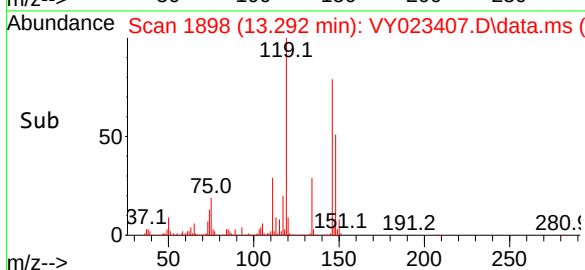
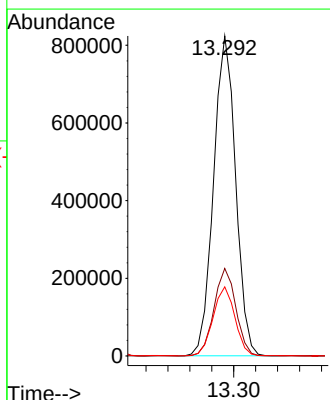
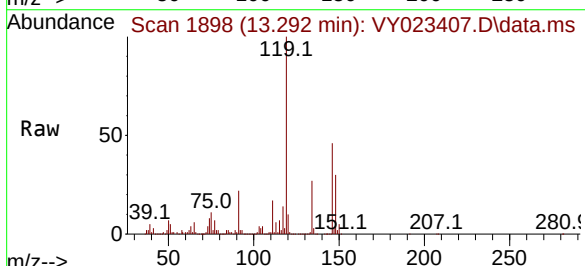
Tgt Ion:119 Resp: 1150927

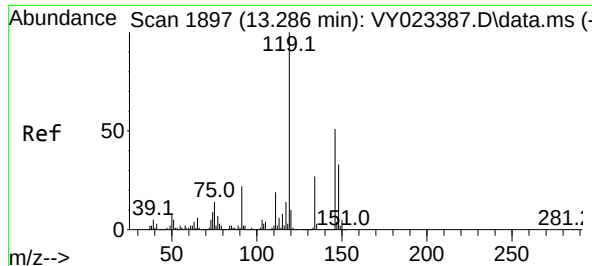
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 21.4 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 50.135 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 617114

Ion Ratio Lower Upper

146 100

111 37.8 18.7 56.1

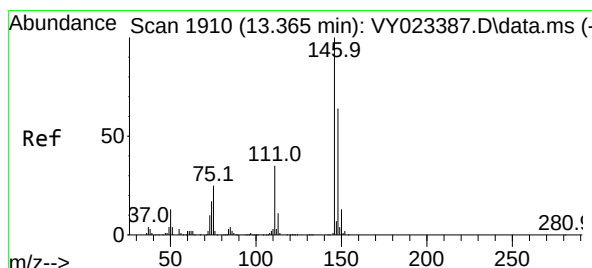
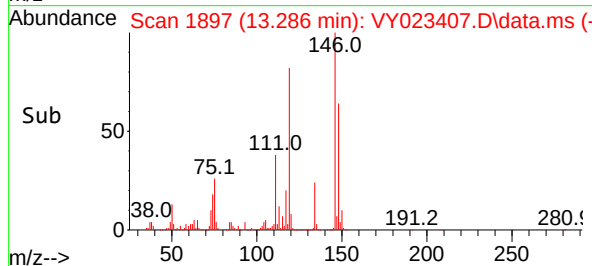
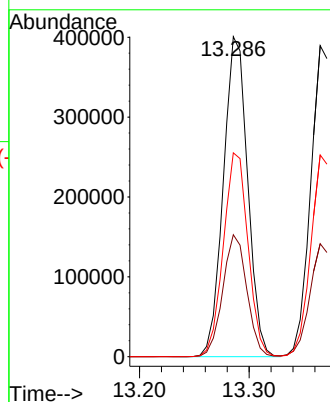
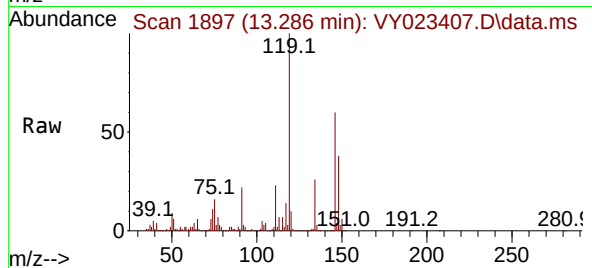
148 64.6 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 49.641 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

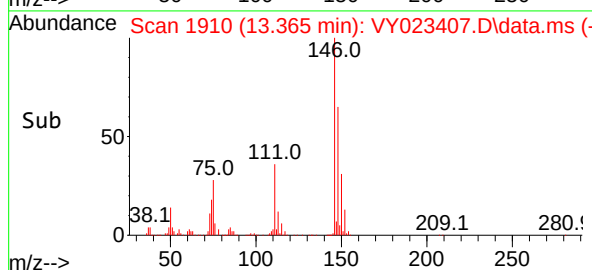
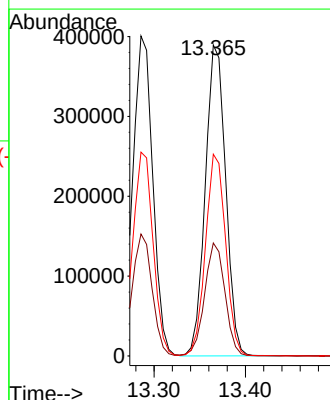
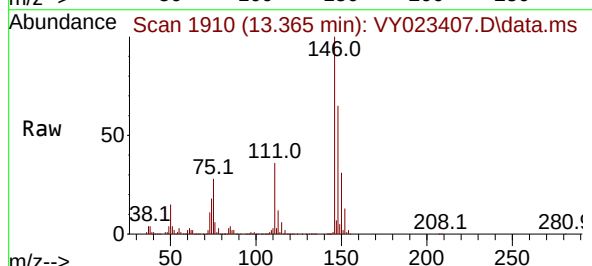
Tgt Ion:146 Resp: 603476

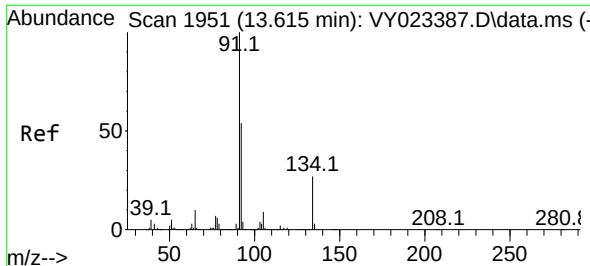
Ion Ratio Lower Upper

146 100

111 36.3 18.0 54.0

148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 52.515 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

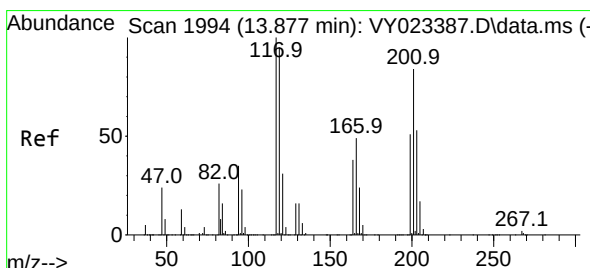
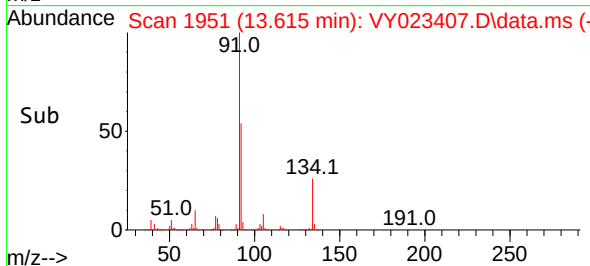
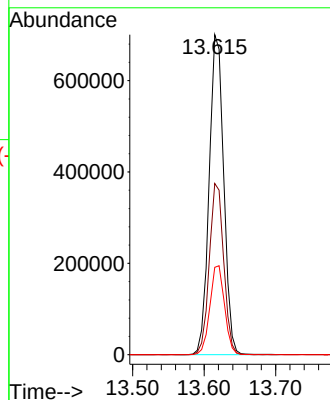
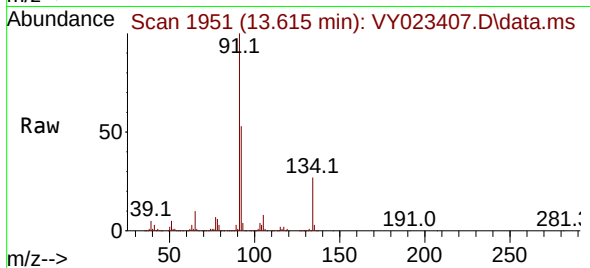
VSTDCCC050

Tgt Ion:	91	Resp:	991424
Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	28.0	14.1	42.2

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 50.206 ug/l

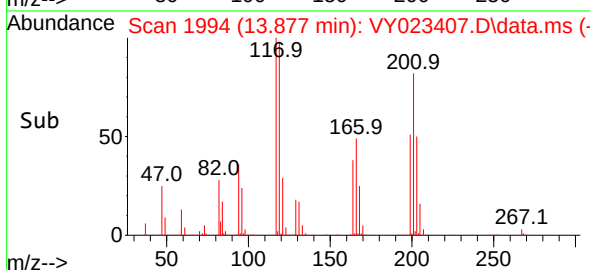
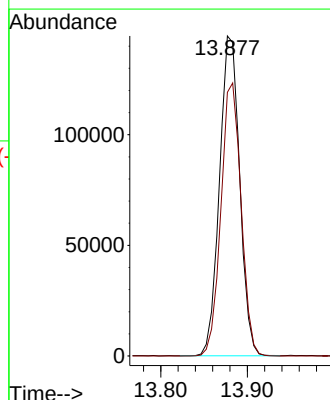
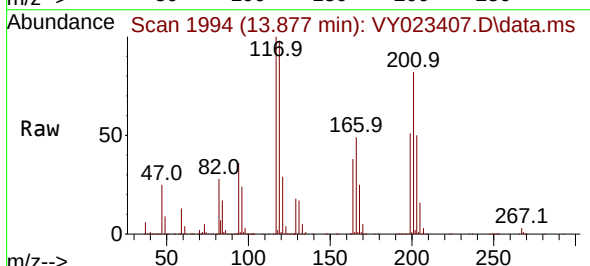
RT: 13.877 min Scan# 1994

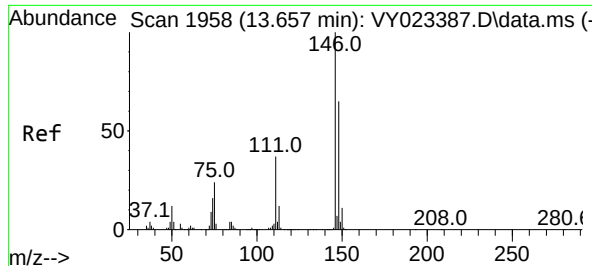
Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion:	117	Resp:	233963
Ion	Ratio	Lower	Upper
117	100		
201	85.0	43.8	131.4





#91

1,2-Dichlorobenzene

Concen: 50.554 ug/l

RT: 13.658 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 54556

Ion Ratio Lower Upper

146 100

111 38.5 19.0 57.0

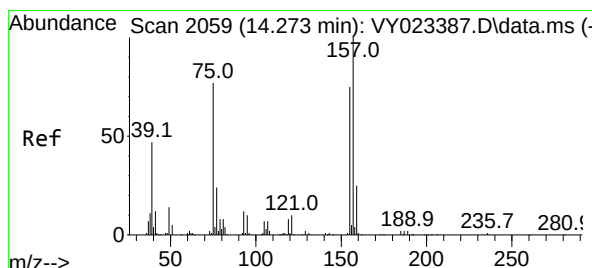
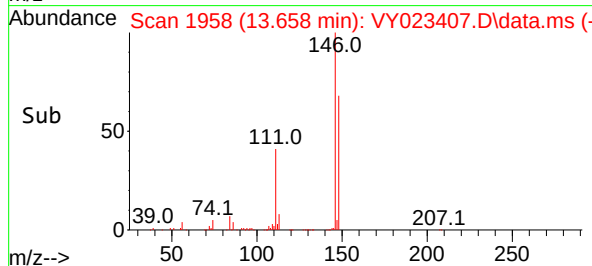
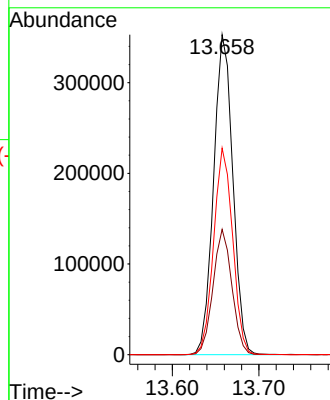
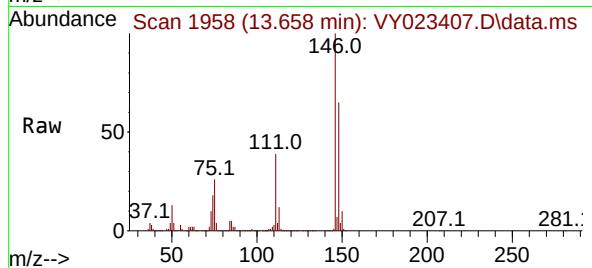
148 63.8 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.006 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

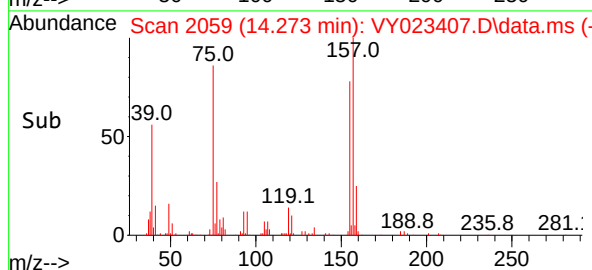
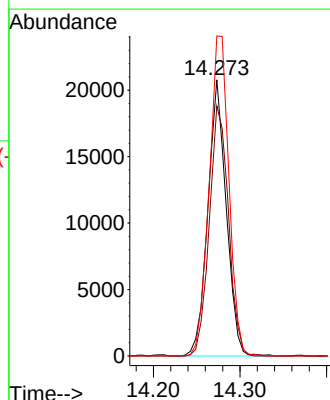
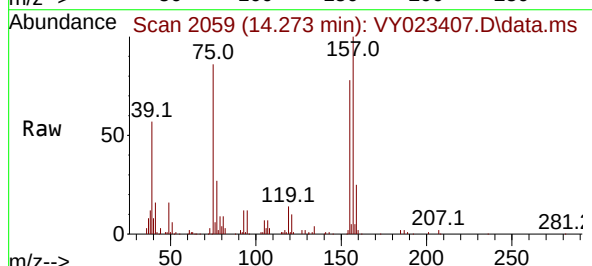
Tgt Ion: 75 Resp: 30632

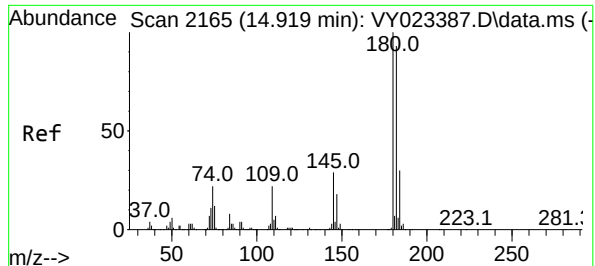
Ion Ratio Lower Upper

75 100

155 94.0 50.0 150.0

157 124.8 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 47.003 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

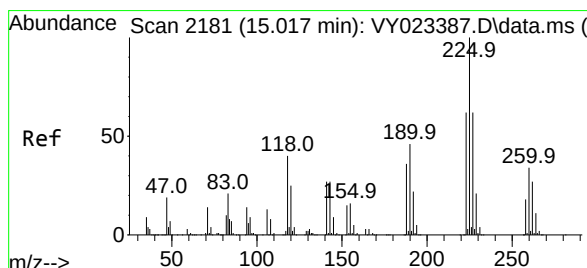
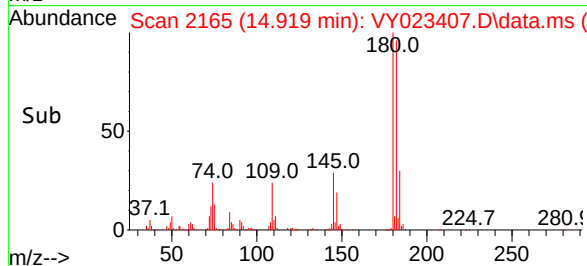
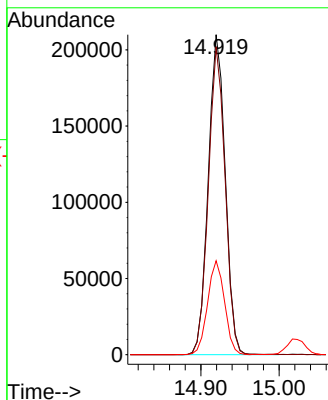
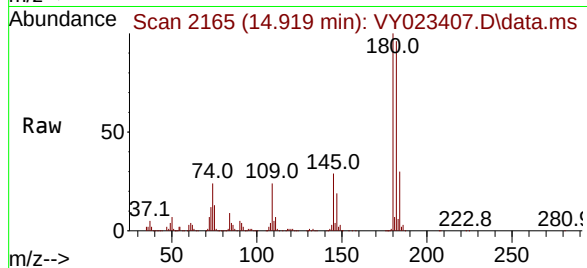
VSTDCCC050

Tgt Ion:180	Resp:	31622
Ion Ratio	Lower	Upper
180	100	
182	95.1	47.9 143.6
145	29.3	14.7 44.1

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

Concen: 47.679 ug/l

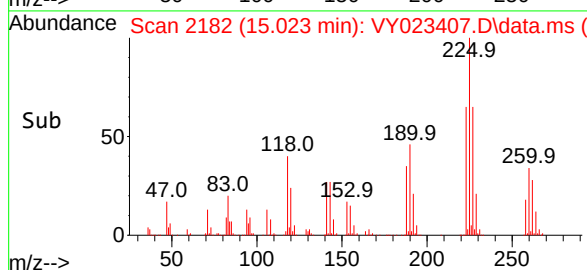
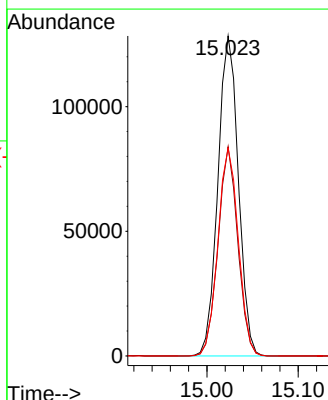
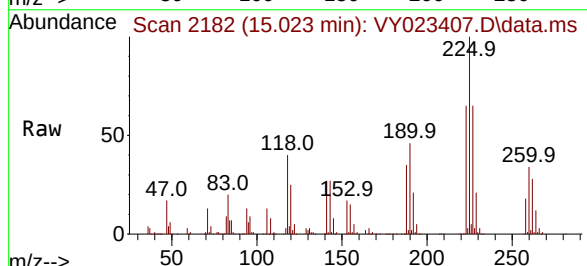
RT: 15.023 min Scan# 2182

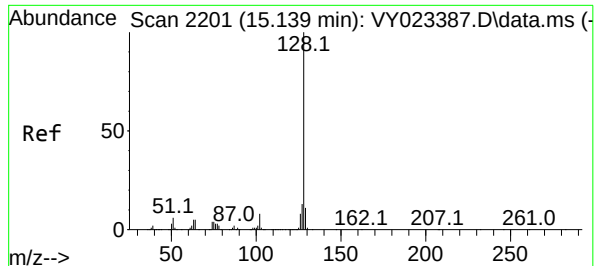
Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion:225	Resp:	199957
Ion Ratio	Lower	Upper
225	100	
223	63.0	30.8 92.3
227	65.1	31.9 95.7





#95

Naphthalene

Concen: 46.618 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Instrument :

MSVOA_Y

ClientSampleId :

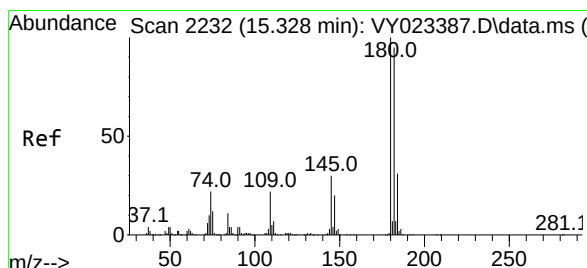
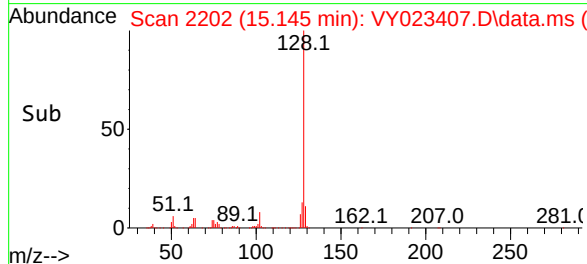
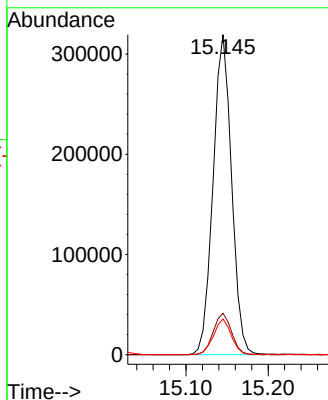
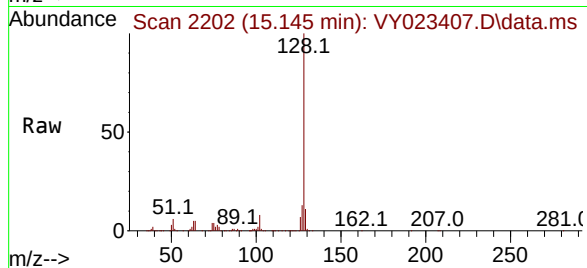
VSTDCCC050

Tgt Ion:	128	Resp:	49942
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations

APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 46.727 ug/l

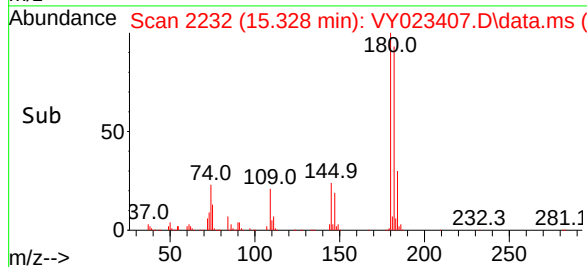
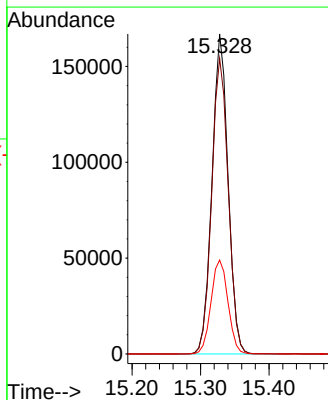
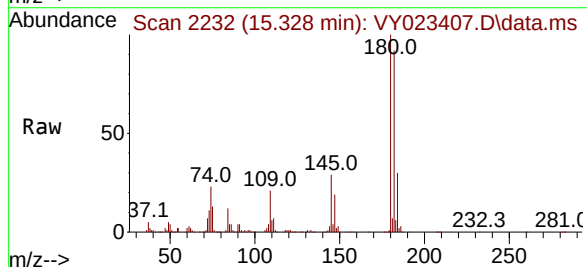
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023407.D

Acq: 09 Oct 2025 08:47

Tgt Ion:	180	Resp:	272296
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.8
145	30.9	15.3	45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	0.360	0.325	9.7	93	0.00
3 P	Chloromethane	0.490	0.457	6.7	93	0.00
4 C	Vinyl Chloride	0.639	0.603	5.6#	92	0.00
5 T	Bromomethane	0.536	0.486	9.3	95	0.00
6 T	Chloroethane	0.435	0.429	1.4	95	0.00
7 T	Trichlorofluoromethane	0.887	0.840	5.3	91	0.00
8 T	Diethyl Ether	0.232	0.222	4.3	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.460	0.464	-0.9	97	0.00
10 T	Methyl Iodide	0.512	0.560	-9.4	95	0.00
11 T	Tert butyl alcohol	0.031	0.027	12.9	98	0.00
12 CM	1,1-Dichloroethene	0.446	0.439	1.6#	94	0.00
13 T	Acrolein	0.044	0.035	20.5	76	0.00
14 T	Allyl chloride	0.544	0.536	1.5	93	0.00
15 T	Acrylonitrile	0.089	0.087	2.2	98	0.00
16 T	Acetone	0.100	0.108	-8.0	119	0.00
17 T	Carbon Disulfide	1.277	1.281	-0.3	96	0.00
18 T	Methyl Acetate	0.261	0.259	0.8	97	0.00
19 T	Methyl tert-butyl Ether	1.072	1.059	1.2	95	0.00
20 T	Methylene Chloride	0.538	0.497	7.6	99	0.00
21 T	trans-1,2-Dichloroethene	0.491	0.501	-2.0	98	0.01
22 T	Diisopropyl ether	1.202	1.224	-1.8	96	0.00
23 T	Vinyl Acetate	0.651	0.657	-0.9	96	0.00
24 P	1,1-Dichloroethane	0.796	0.803	-0.9	97	0.00
25 T	2-Butanone	0.122	0.121	0.8	105	0.00
26 T	2,2-Dichloropropane	0.731	0.746	-2.1	97	0.00
27 T	cis-1,2-Dichloroethene	0.567	0.579	-2.1	98	0.00
28 T	Bromochloromethane	0.297	0.276	7.1	95	0.00
29 T	Tetrahydrofuran	0.069	0.067	2.9	97	0.00
30 C	Chloroform	0.875	0.894	-2.2#	98	0.00
31 T	Cyclohexane	0.696	0.654	6.0	93	0.00
32 T	1,1,1-Trichloroethane	0.795	0.802	-0.9	96	0.00
33 S	1,2-Dichloroethane-d4	0.418	0.413	1.2	97	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.307	0.317	-3.3	96	0.00
36 T	1,1-Dichloropropene	0.407	0.426	-4.7	97	0.00
37 T	Ethyl Acetate	0.161	0.165	-2.5	99	0.00
38 T	Carbon Tetrachloride	0.493	0.516	-4.7	97	0.00
39 T	Methylcyclohexane	0.530	0.548	-3.4	94	0.00
40 TM	Benzene	1.288	1.342	-4.2	96	0.00
41 T	Methacrylonitrile	0.087	0.091	-4.6	103	0.00
42 TM	1,2-Dichloroethane	0.332	0.340	-2.4	97	0.00
43 T	Isopropyl Acetate	0.321	0.318	0.9	95	0.00
44 TM	Trichloroethene	0.377	0.386	-2.4	95	0.00
45 C	1,2-Dichloropropane	0.285	0.296	-3.9#	98	0.00
46 T	Dibromomethane	0.180	0.192	-6.7	100	0.00
47 T	Bromodichloromethane	0.453	0.475	-4.9	98	0.00
48 T	Methyl methacrylate	0.151	0.152	-0.7	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	86	0.00
50 S	Toluene-d8	1.144	1.201	-5.0	96	0.00
51 T	4-Methyl-2-Pentanone	0.166	0.174	-4.8	99	0.00
52 CM	Toluene	0.836	0.894	-6.9#	97	0.00
53 T	t-1,3-Dichloropropene	0.394	0.411	-4.3	96	0.00
54 T	cis-1,3-Dichloropropene	0.465	0.487	-4.7	96	0.00
55 T	1,1,2-Trichloroethane	0.242	0.255	-5.4	100	0.00
56 T	Ethyl methacrylate	0.279	0.297	-6.5	96	0.00
57 T	1,3-Dichloropropane	0.383	0.403	-5.2	97	0.00
58 T	2-Chloroethyl Vinyl ether	0.125	0.132	-5.6	92	0.00
59 T	2-Hexanone	0.119	0.126	-5.9	101	0.00
60 T	Dibromochloromethane	0.339	0.355	-4.7	98	0.00
61 T	1,2-Dibromoethane	0.231	0.241	-4.3	98	0.00
62 S	4-Bromofluorobenzene	0.378	0.383	-1.3	95	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.516	0.534	-3.5	95	0.00
65 PM	Chlorobenzene	1.087	1.103	-1.5	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.388	0.396	-2.1	99	0.00
67 C	Ethyl Benzene	1.760	1.836	-4.3#	96	0.00
68 T	m/p-Xylenes	0.706	0.745	-5.5	96	0.00
69 T	o-Xylene	0.662	0.689	-4.1	95	0.00
70 T	Styrene	1.089	1.151	-5.7	96	0.00
71 P	Bromoform	0.240	0.243	-1.3	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73 T	Isopropylbenzene	3.295	3.452	-4.8	96	0.00
74 T	N-amyl acetate	0.592	0.591	0.2	94	0.00
75 P	1,1,2,2-Tetrachloroethane	0.539	0.537	0.4	99	0.00
76 T	1,2,3-Trichloropropane	0.441	0.417	5.4	89	0.00
77 T	Bromobenzene	0.876	0.881	-0.6	96	0.00
78 T	n-propylbenzene	3.813	4.044	-6.1	96	0.00
79 T	2-Chlorotoluene	2.233	2.307	-3.3	95	0.00
80 T	1,3,5-Trimethylbenzene	2.663	2.827	-6.2	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.180	0.180	0.0	98	0.00
82 T	4-Chlorotoluene	2.300	2.387	-3.8	96	0.00
83 T	tert-Butylbenzene	2.458	2.560	-4.1	93	0.00
84 T	1,2,4-Trimethylbenzene	2.657	2.812	-5.8	96	0.00
85 T	sec-Butylbenzene	3.527	3.735	-5.9	96	0.00
86 T	p-Isopropyltoluene	3.003	3.190	-6.2	95	0.00
87 T	1,3-Dichlorobenzene	1.706	1.710	-0.2	95	0.00
88 T	1,4-Dichlorobenzene	1.685	1.673	0.7	95	0.00
89 T	n-Butylbenzene	2.616	2.748	-5.0	94	0.00
90 T	Hexachloroethane	0.646	0.648	-0.3	95	0.00
91 T	1,2-Dichlorobenzene	1.496	1.512	-1.1	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.088	0.085	3.4	94	0.00
93 T	1,2,4-Trichlorobenzene	0.932	0.876	6.0	88	0.00
94 T	Hexachlorobutadiene	0.581	0.554	4.6	88	0.00
95 T	Naphthalene	1.485	1.384	6.8	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.808	0.755	6.6	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	50.000	45.165	9.7	93	0.00
3 P	Chloromethane	50.000	46.626	6.7	93	0.00
4 C	Vinyl Chloride	50.000	47.203	5.6#	92	0.00
5 T	Bromomethane	50.000	45.352	9.3	95	0.00
6 T	Chloroethane	50.000	49.279	1.4	95	0.00
7 T	Trichlorofluoromethane	50.000	47.366	5.3	91	0.00
8 T	Diethyl Ether	50.000	47.924	4.2	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.377	-0.8	97	0.00
10 T	Methyl Iodide	50.000	54.708	-9.4	95	0.00
11 T	Tert butyl alcohol	250.000	214.498	14.2	98	0.00
12 CM	1,1-Dichloroethene	50.000	49.265	1.5#	94	0.00
13 T	Acrolein	250.000	197.974	20.8	76	0.00
14 T	Allyl chloride	50.000	49.309	1.4	93	0.00
15 T	Acrylonitrile	250.000	245.521	1.8	98	0.00
16 T	Acetone	250.000	272.492	-9.0	119	0.00
17 T	Carbon Disulfide	50.000	50.177	-0.4	96	0.00
18 T	Methyl Acetate	50.000	49.553	0.9	97	0.00
19 T	Methyl tert-butyl Ether	50.000	49.411	1.2	95	0.00
20 T	Methylene Chloride	50.000	46.200	7.6	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.043	-2.1	98	0.01
22 T	Diisopropyl ether	50.000	50.913	-1.8	96	0.00
23 T	Vinyl Acetate	250.000	252.202	-0.9	96	0.00
24 P	1,1-Dichloroethane	50.000	50.397	-0.8	97	0.00
25 T	2-Butanone	250.000	249.190	0.3	105	0.00
26 T	2,2-Dichloropropane	50.000	51.041	-2.1	97	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.065	-2.1	98	0.00
28 T	Bromochloromethane	50.000	46.377	7.2	95	0.00
29 T	Tetrahydrofuran	250.000	243.679	2.5	97	0.00
30 C	Chloroform	50.000	51.069	-2.1#	98	0.00
31 T	Cyclohexane	50.000	47.019	6.0	93	0.00
32 T	1,1,1-Trichloroethane	50.000	50.415	-0.8	96	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.431	1.1	97	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	51.511	-3.0	96	0.00
36 T	1,1-Dichloropropene	50.000	52.425	-4.8	97	0.00
37 T	Ethyl Acetate	50.000	51.143	-2.3	99	0.00
38 T	Carbon Tetrachloride	50.000	52.336	-4.7	97	0.00
39 T	Methylcyclohexane	50.000	51.695	-3.4	94	0.00
40 TM	Benzene	50.000	52.081	-4.2	96	0.00
41 T	Methacrylonitrile	50.000	52.260	-4.5	103	0.00
42 TM	1,2-Dichloroethane	50.000	51.228	-2.5	97	0.00
43 T	Isopropyl Acetate	50.000	49.451	1.1	95	0.00
44 TM	Trichloroethene	50.000	51.229	-2.5	95	0.00
45 C	1,2-Dichloropropane	50.000	52.011	-4.0#	98	0.00
46 T	Dibromomethane	50.000	53.275	-6.5	100	0.00
47 T	Bromodichloromethane	50.000	52.430	-4.9	98	0.00
48 T	Methyl methacrylate	50.000	50.315	-0.6	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	903.627	9.6	86	0.00
50 S	Toluene-d8	50.000	52.497	-5.0	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	261.942	-4.8	99	0.00
52 CM	Toluene	50.000	53.439	-6.9#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	52.141	-4.3	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.320	-4.6	96	0.00
55 T	1,1,2-Trichloroethane	50.000	52.802	-5.6	100	0.00
56 T	Ethyl methacrylate	50.000	53.280	-6.6	96	0.00
57 T	1,3-Dichloropropane	50.000	52.603	-5.2	97	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	263.940	-5.6	92	0.00
59 T	2-Hexanone	250.000	264.747	-5.9	101	0.00
60 T	Dibromochloromethane	50.000	52.392	-4.8	98	0.00
61 T	1,2-Dibromoethane	50.000	52.230	-4.5	98	0.00
62 S	4-Bromofluorobenzene	50.000	50.706	-1.4	95	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	51.752	-3.5	95	0.00
65 PM	Chlorobenzene	50.000	50.723	-1.4	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.134	-2.3	99	0.00
67 C	Ethyl Benzene	50.000	52.144	-4.3#	96	0.00
68 T	m/p-Xylenes	100.000	105.533	-5.5	96	0.00
69 T	o-Xylene	50.000	52.013	-4.0	95	0.00
70 T	Styrene	50.000	52.844	-5.7	96	0.00
71 P	Bromoform	50.000	50.460	-0.9	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73 T	Isopropylbenzene	50.000	52.380	-4.8	96	0.00
74 T	N-amyl acetate	50.000	49.925	0.2	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.838	0.3	99	0.00
76 T	1,2,3-Trichloropropane	50.000	47.221	5.6	89	0.00
77 T	Bromobenzene	50.000	50.268	-0.5	96	0.00
78 T	n-propylbenzene	50.000	53.022	-6.0	96	0.00
79 T	2-Chlorotoluene	50.000	51.650	-3.3	95	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.093	-6.2	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.916	0.2	98	0.00
82 T	4-Chlorotoluene	50.000	51.889	-3.8	96	0.00
83 T	tert-Butylbenzene	50.000	52.071	-4.1	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.908	-5.8	96	0.00
85 T	sec-Butylbenzene	50.000	52.950	-5.9	96	0.00
86 T	p-Isopropyltoluene	50.000	53.120	-6.2	95	0.00
87 T	1,3-Dichlorobenzene	50.000	50.135	-0.3	95	0.00
88 T	1,4-Dichlorobenzene	50.000	49.641	0.7	95	0.00
89 T	n-Butylbenzene	50.000	52.515	-5.0	94	0.00
90 T	Hexachloroethane	50.000	50.206	-0.4	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.554	-1.1	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.006	4.0	94	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.003	6.0	88	0.00
94 T	Hexachlorobutadiene	50.000	47.679	4.6	88	0.00
95 T	Naphthalene	50.000	46.618	6.8	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023407.D
Acq On : 09 Oct 2025 08:47
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: Oct 10 04:19:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.727	6.5	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

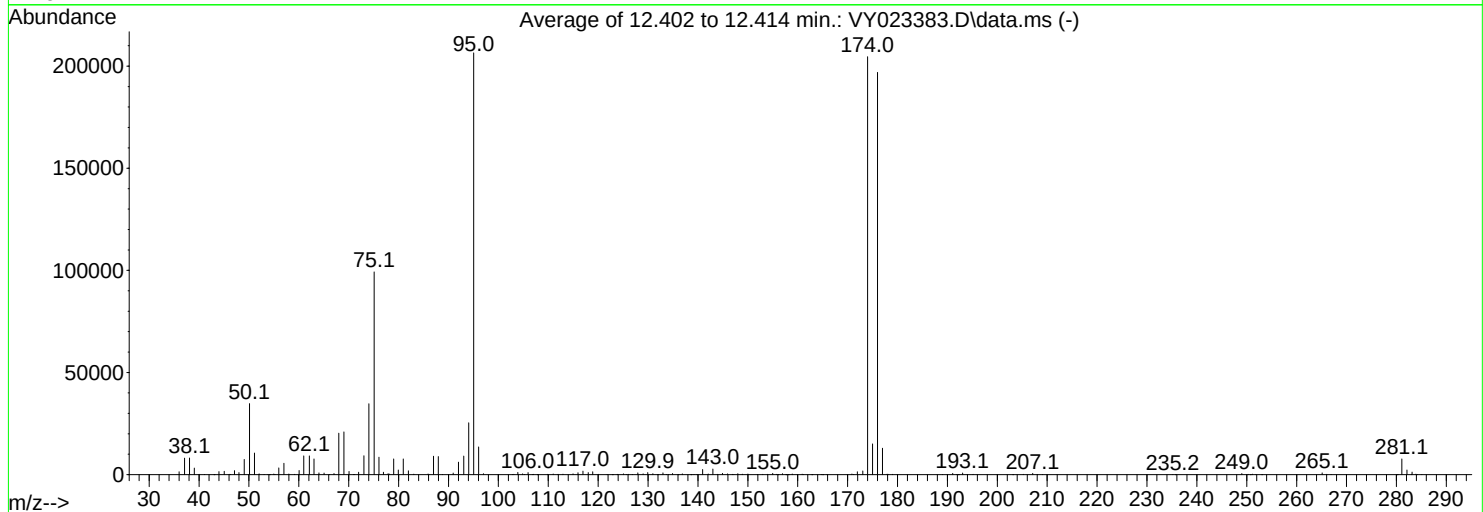
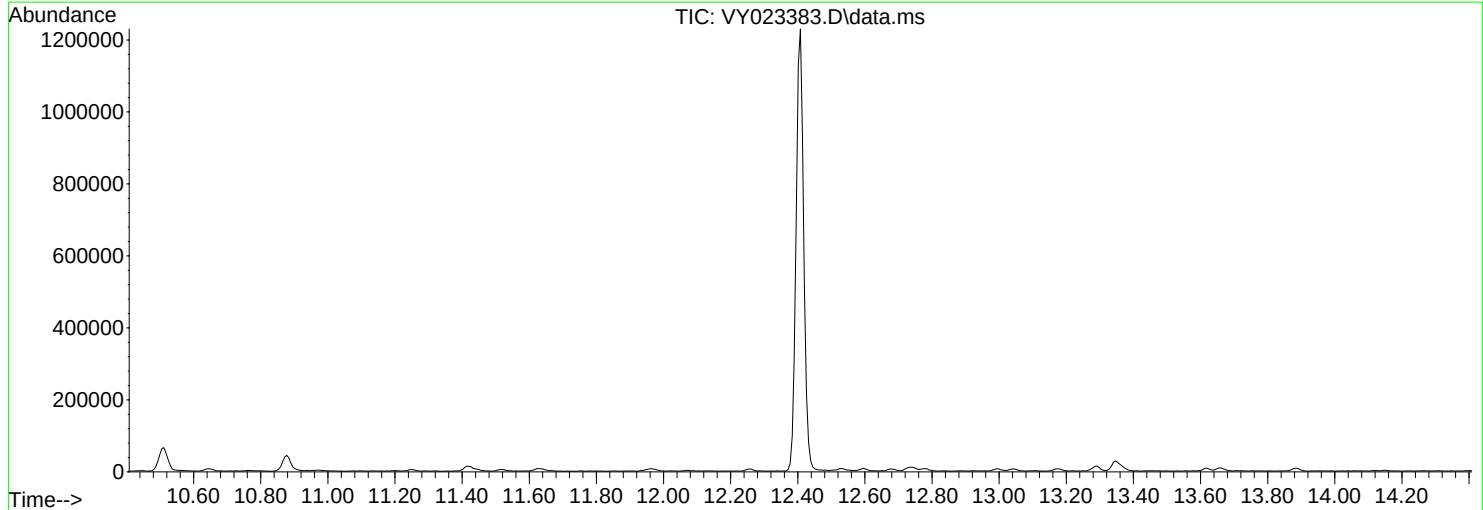
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023383.D
Acq On : 07 Oct 2025 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

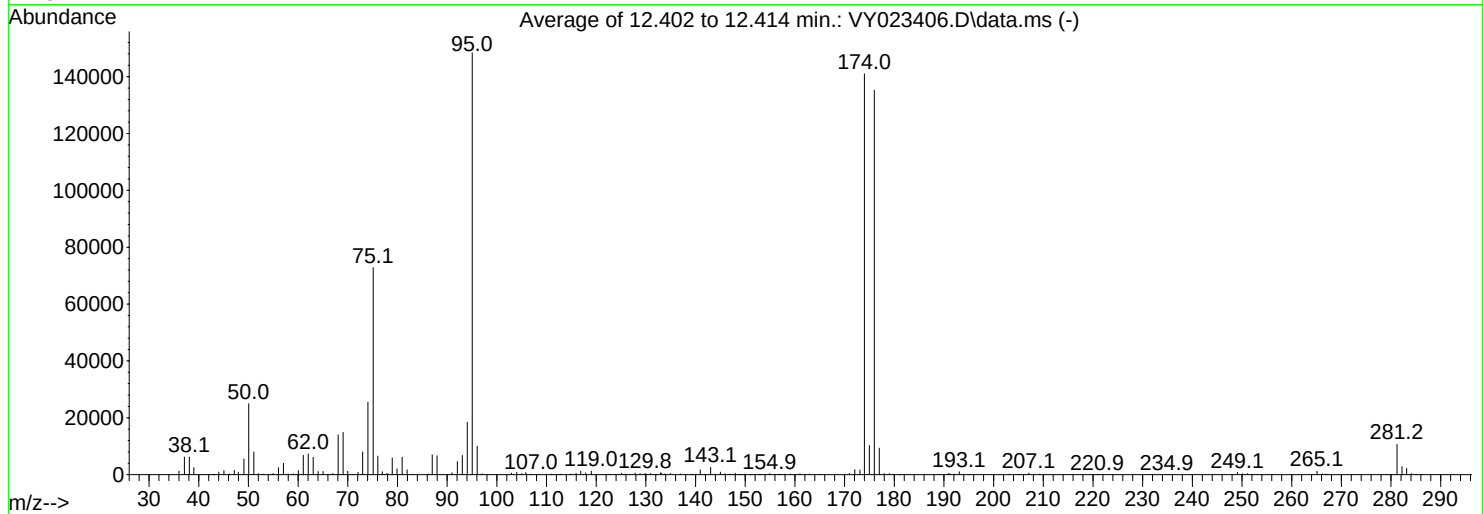
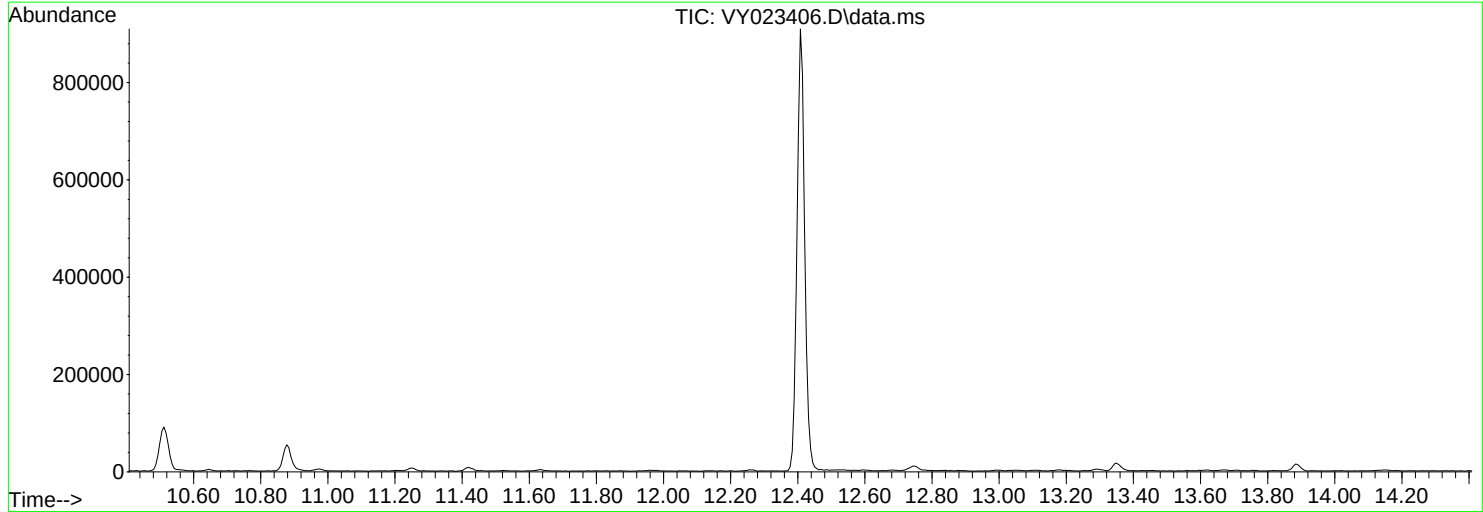
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	16.9	34816	PASS
75	95	30	60	48.1	99264	PASS
95	95	100	100	100.0	206507	PASS
96	95	5	9	6.6	13540	PASS
173	174	0.00	2	0.9	1817	PASS
174	95	50	100	99.1	204629	PASS
175	174	5	9	7.4	15059	PASS
176	174	95	101	96.2	196949	PASS
177	176	5	9	6.6	12912	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023406.D
Acq On : 09 Oct 2025 08:16
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	16.8	24923	PASS
75	95	30	60	49.1	72837	PASS
95	95	100	100	100.0	148373	PASS
96	95	5	9	6.8	10026	PASS
173	174	0.00	2	1.1	1617	PASS
174	95	50	100	95.0	141019	PASS
175	174	5	9	7.3	10229	PASS
176	174	95	101	95.9	135248	PASS
177	176	5	9	6.9	9326	PASS

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	VY1009SBL01	SDG No.:	Q3321
Lab Sample ID:	VY1009SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023408.D	1	10/09/25 09:16	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	VY1009SBL01	SDG No.:	Q3321
Lab Sample ID:	VY1009SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023408.D	1	10/09/25 09:16	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.4		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		70 - 134	109%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	587000	7.713			
540-36-3	1,4-Difluorobenzene	1150000	8.616			
3114-55-4	Chlorobenzene-d5	1110000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	467000	13.346			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	VY1009SBL01	SDG No.:	Q3321
Lab Sample ID:	VY1009SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023408.D	1	10/09/25 09:16	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Quant Time: Oct 10 04:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	586622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1154324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1109408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	466996	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311166	63.433	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.860%
35) Dibromofluoromethane	7.640	113	386252	54.457	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.920%
50) Toluene-d8	10.109	98	1375923	52.090	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.180%
62) 4-Bromofluorobenzene	12.408	95	434618	49.838	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.680%

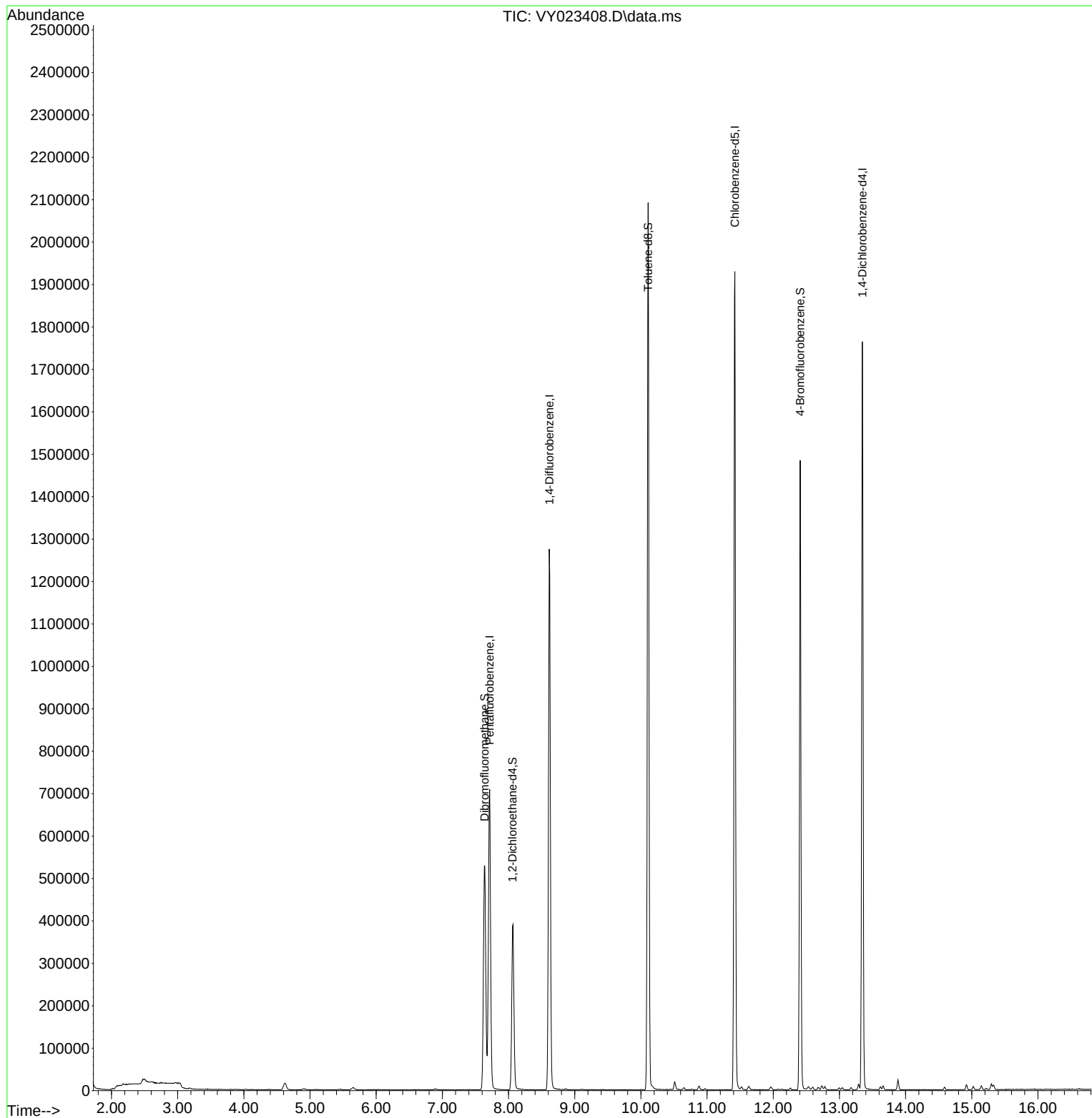
Target Compounds	Qvalue

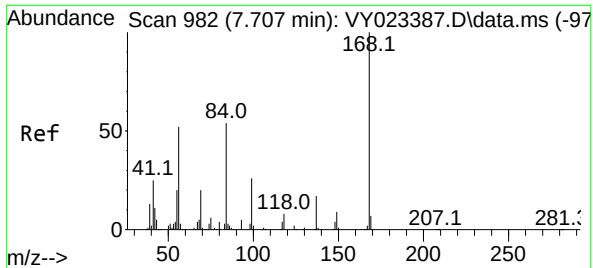
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Quant Time: Oct 10 04:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

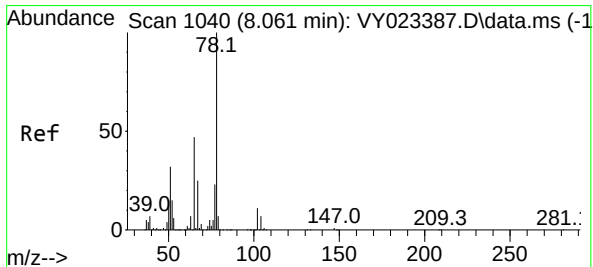
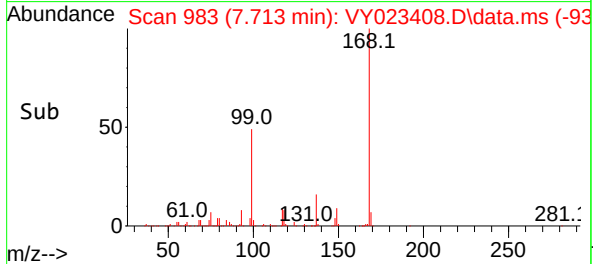
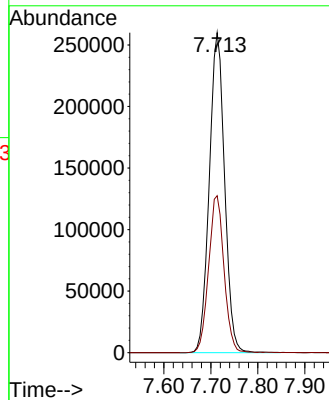
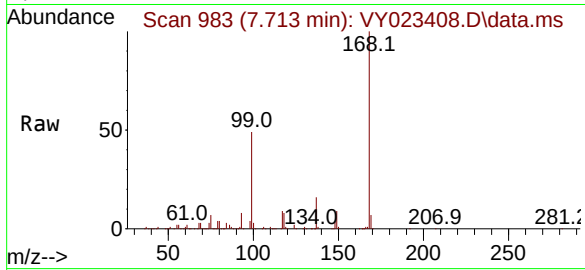




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

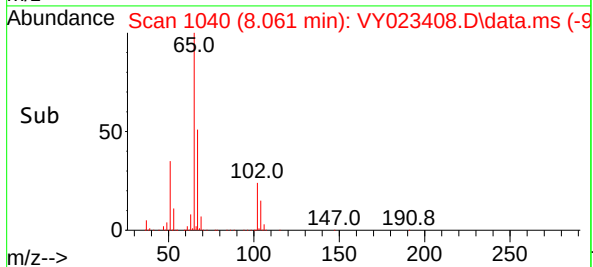
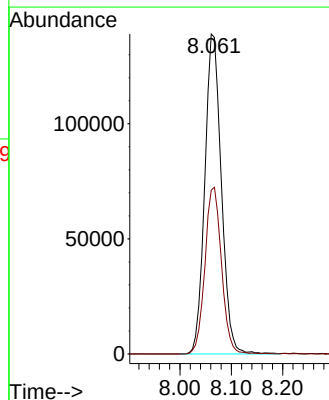
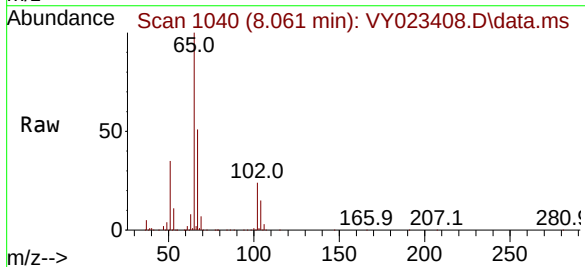
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

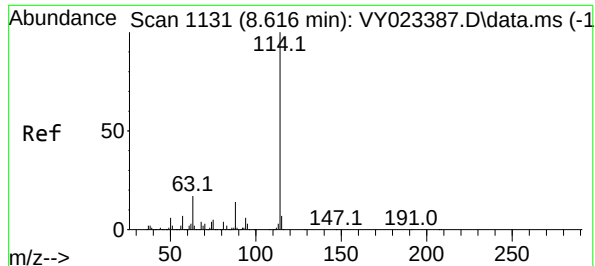
Tgt Ion:168 Resp: 586622
Ion Ratio Lower Upper
168 100
99 49.1 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 63.433 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023408.D
Acq: 09 Oct 2025 09:16

Tgt Ion: 65 Resp: 311166
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023408.D

Acq: 09 Oct 2025 09:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBL01

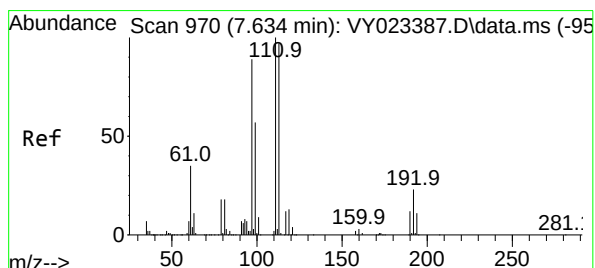
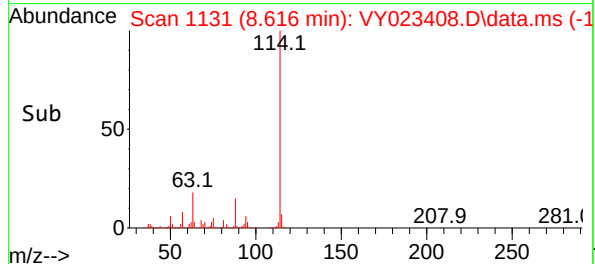
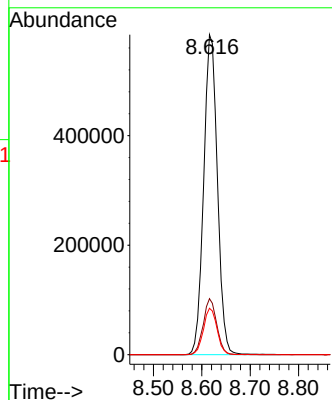
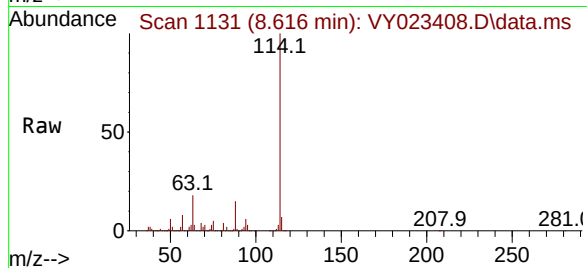
Tgt Ion:114 Resp: 1154324

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.5 0.0 28.4



#35

Dibromofluoromethane

Concen: 54.457 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023408.D

Acq: 09 Oct 2025 09:16

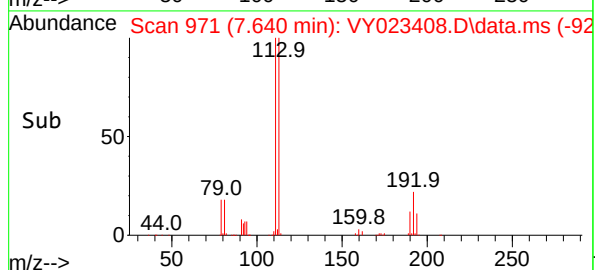
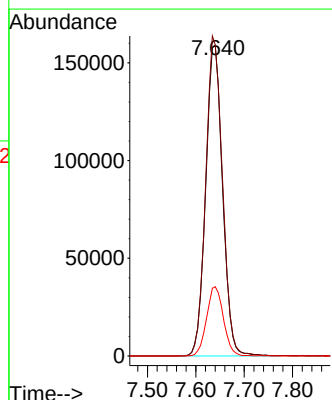
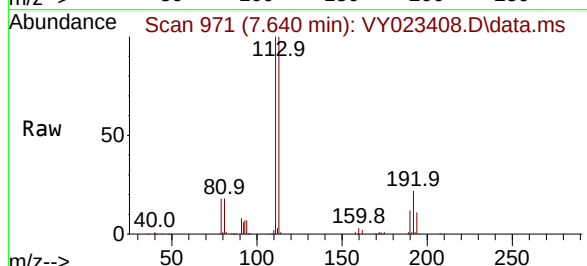
Tgt Ion:113 Resp: 386252

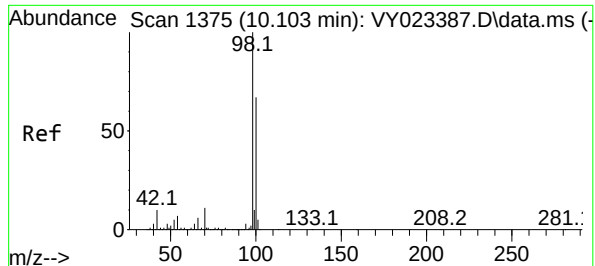
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

192 22.2 18.0 27.0





#50

Toluene-d8

Concen: 52.090 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023408.D

Acq: 09 Oct 2025 09:16

Instrument :

MSVOA_Y

ClientSampleId :

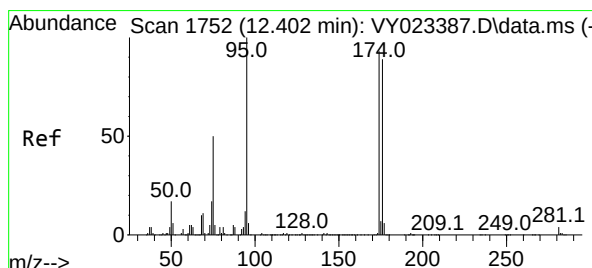
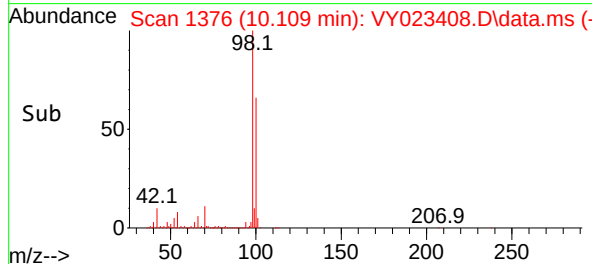
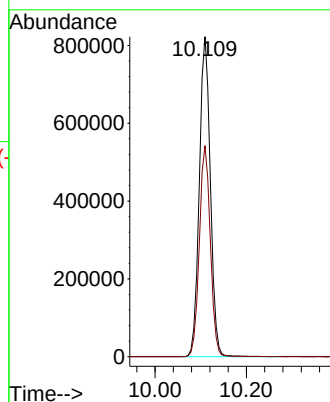
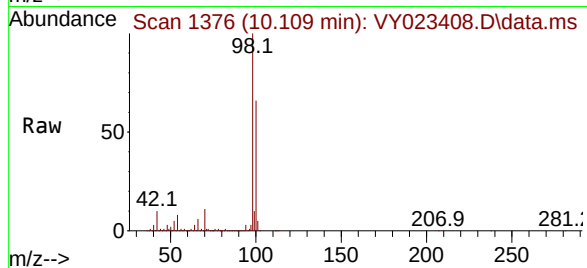
VY1009SBL01

Tgt Ion: 98 Resp: 1375923

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 49.838 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023408.D

Acq: 09 Oct 2025 09:16

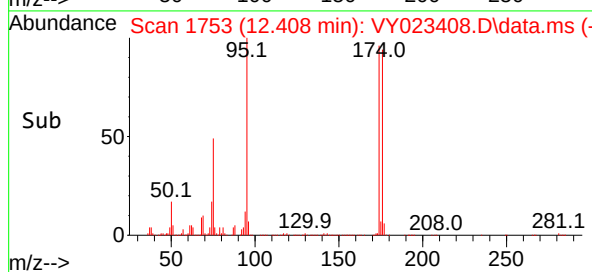
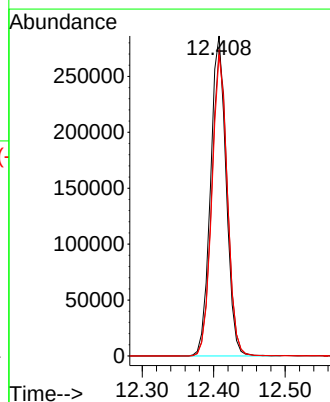
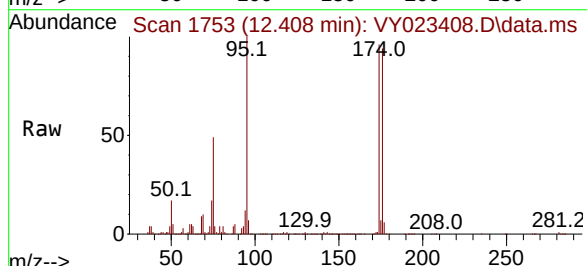
Tgt Ion: 95 Resp: 434618

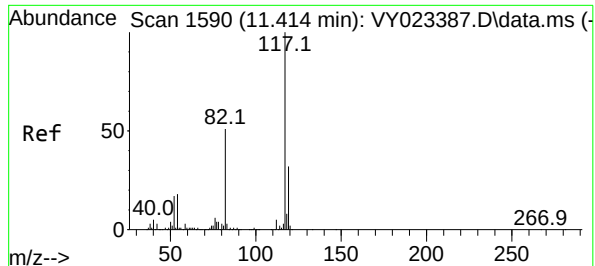
Ion Ratio Lower Upper

95 100

174 95.2 0.0 192.8

176 92.8 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023408.D

Acq: 09 Oct 2025 09:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBL01

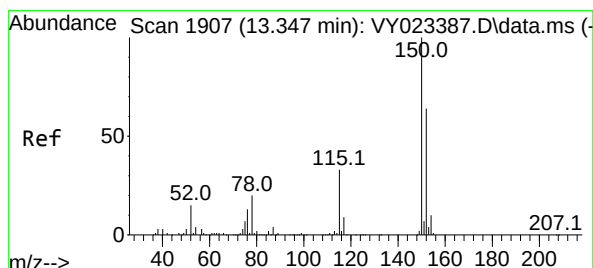
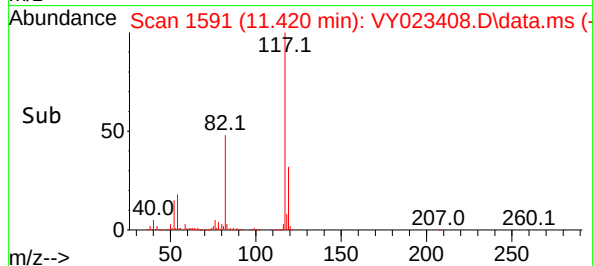
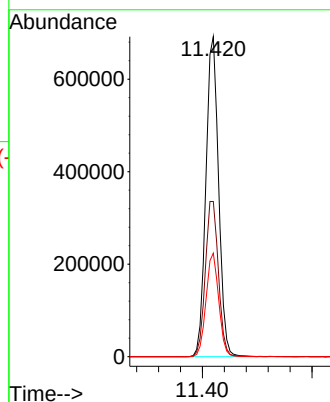
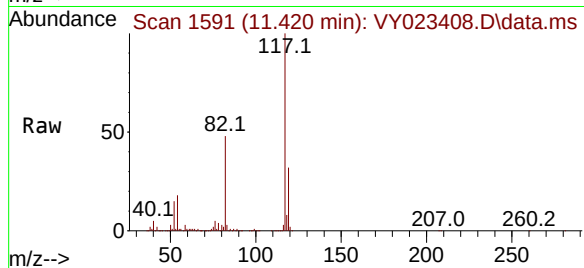
Tgt Ion:117 Resp: 1109408

Ion Ratio Lower Upper

117 100

82 48.5 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023408.D

Acq: 09 Oct 2025 09:16

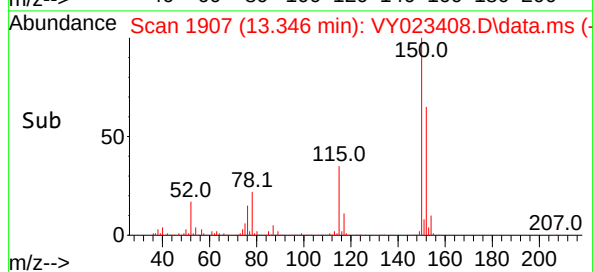
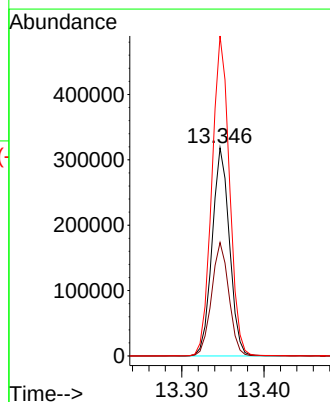
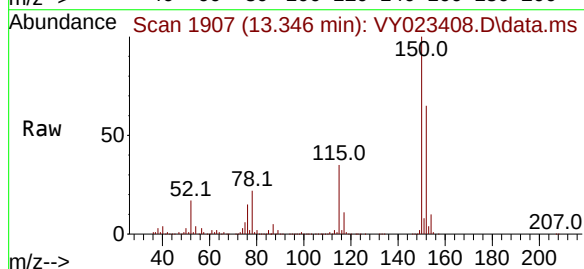
Tgt Ion:152 Resp: 466996

Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.2

150 156.1 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	490	rVB3	15461	51428	1.46%	0.286%
2	7.634	955	970	977	rBV	528154	1302968	36.92%	7.248%
3	7.713	977	983	999	rVB	706456	1591410	45.10%	8.852%
4	8.067	1029	1041	1052	rBV	389901	881664	24.98%	4.904%
5	8.616	1122	1131	1147	rBV	1274475	2509008	71.10%	13.957%
6	10.109	1368	1376	1398	rBV	2091329	3528850	100.00%	19.630%
7	11.420	1583	1591	1604	rBV	1928223	3164824	89.68%	17.605%
8	12.408	1745	1753	1766	rBV	1484344	2286890	64.81%	12.721%
9	13.346	1901	1907	1921	rVB	1762087	2623641	74.35%	14.594%
10	13.883	1988	1995	2001	rVB	23512	36456	1.03%	0.203%

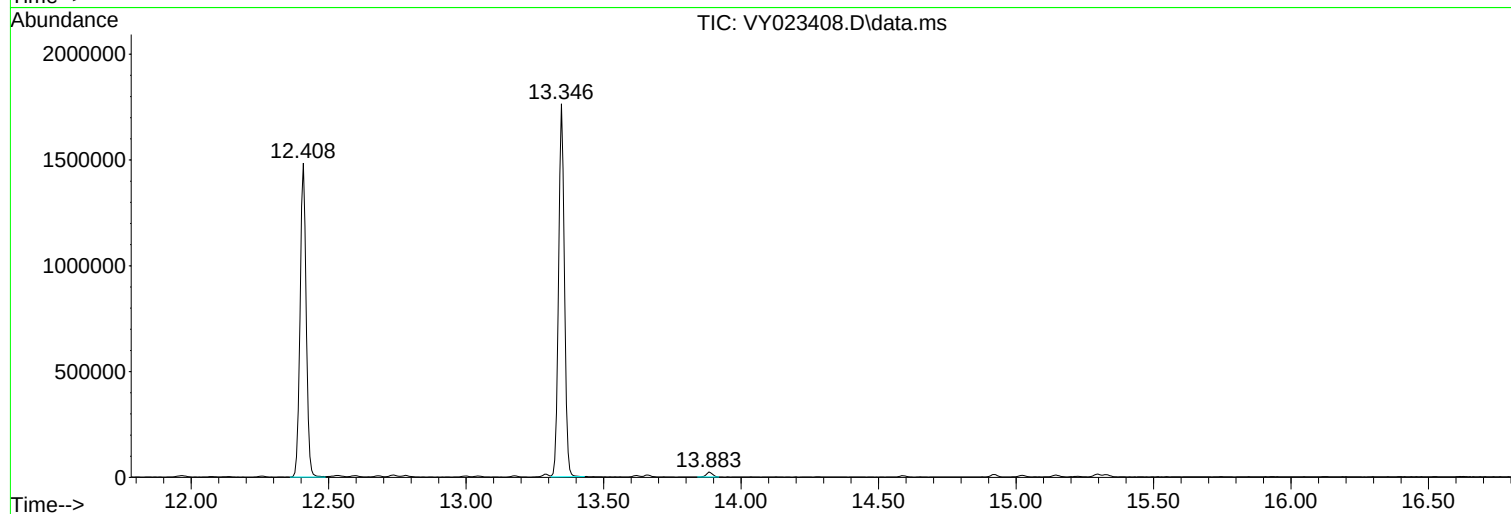
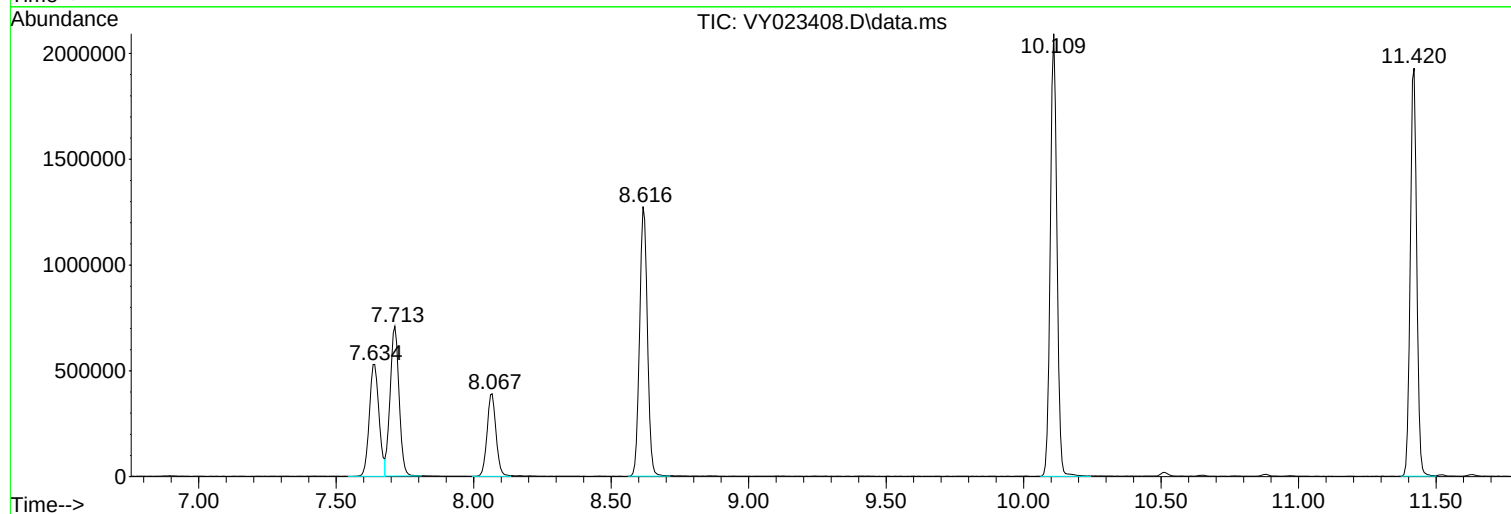
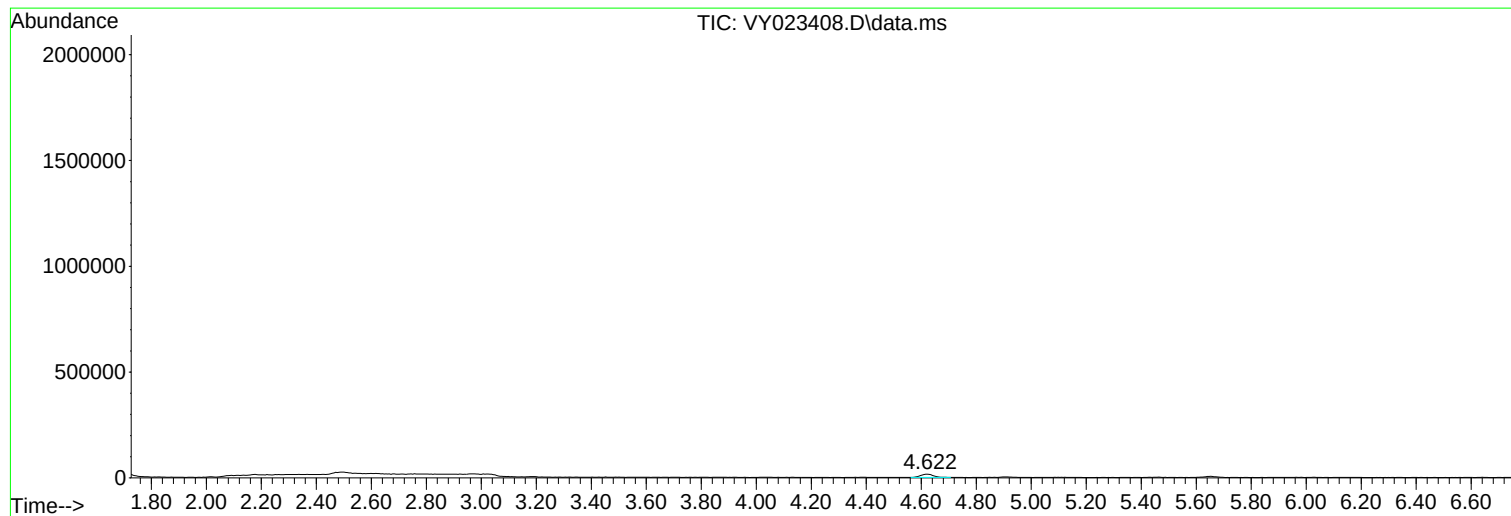
Sum of corrected areas: 17977139

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023408.D
Acq On : 09 Oct 2025 09:16
Operator : SY/MD
Sample : VY1009SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBL01

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

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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	VY1009SBS01		SDG No.:	Q3321
Lab Sample ID:	VY1009SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023409.D	1	10/09/25 09:45	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	91.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	VY1009SBS01		SDG No.:	Q3321
Lab Sample ID:	VY1009SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023409.D	1	10/09/25 09:45	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.6		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.1		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	564000	7.713			
540-36-3	1,4-Difluorobenzene	822000	8.616			
3114-55-4	Chlorobenzene-d5	728000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	377000	13.346			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	VY1009SBS01	SDG No.:	Q3321
Lab Sample ID:	VY1009SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023409.D	1	10/09/25 09:45	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023409.D
 Acq On : 09 Oct 2025 09:45
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations APPROVED

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

Quant Time: Oct 10 04:21:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	563762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	821828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	727518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215871	45.791	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.580%		
35) Dibromofluoromethane	7.640	113	241758	47.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.760%		
50) Toluene-d8	10.109	98	900230	47.870	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.740%		
62) 4-Bromofluorobenzene	12.408	95	285471	45.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85749	21.131	ug/l	97
3) Chloromethane	2.074	50	108685	19.661	ug/l	100
4) Vinyl Chloride	2.208	62	140110	19.459	ug/l	100
5) Bromomethane	2.598	94	122336	20.247	ug/l	98
6) Chloroethane	2.739	64	100330	20.442	ug/l	99
7) Trichlorofluoromethane	3.062	101	196750	19.681	ug/l	99
8) Diethyl Ether	3.458	74	49795	19.062	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	108261	20.869	ug/l	99
10) Methyl Iodide	4.007	142	113175	19.597	ug/l	99
11) Tert butyl alcohol	4.866	59	33665	95.990	ug/l	95
12) 1,1-Dichloroethene	3.793	96	99731	19.832	ug/l	94
13) Acrolein	3.653	56	40278	81.277	ug/l	99
14) Allyl chloride	4.391	41	116410	18.994	ug/l	98
15) Acrylonitrile	5.061	53	90136	90.162	ug/l	99
16) Acetone	3.873	43	137624	122.625	ug/l	99
17) Carbon Disulfide	4.110	76	294532	20.463	ug/l	99
18) Methyl Acetate	4.385	43	47012	15.968	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	224998	18.616	ug/l	99
20) Methylene Chloride	4.616	84	113968	18.779	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	112414	20.304	ug/l	97
22) Diisopropyl ether	6.025	45	265422	19.579	ug/l	96
23) Vinyl Acetate	5.964	43	699897	95.380	ug/l	100
24) 1,1-Dichloroethane	5.921	63	182155	20.284	ug/l	97
25) 2-Butanone	6.896	43	145773	106.390	ug/l	97
26) 2,2-Dichloropropane	6.890	77	172493	20.933	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	126574	19.791	ug/l	99
28) Bromochloromethane	7.250	49	67024	19.993	ug/l	98
29) Tetrahydrofuran	7.268	42	67835	87.306	ug/l	97
30) Chloroform	7.427	83	199370	20.207	ug/l	99
31) Cyclohexane	7.707	56	154146	19.656	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	180303	20.109	ug/l	98
36) 1,1-Dichloropropene	7.835	75	138589	20.730	ug/l	98
37) Ethyl Acetate	6.994	43	51391	19.403	ug/l	98
38) Carbon Tetrachloride	7.817	117	167157	20.621	ug/l	100
39) Methylcyclohexane	9.109	83	174614	20.060	ug/l	96
40) Benzene	8.085	78	439932	20.779	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023409.D
 Acq On : 09 Oct 2025 09:45
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 04:21:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	24922	17.398	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	108207	19.817	ug/l	99
43) Isopropyl Acetate	8.201	43	96508	18.274	ug/l	100
44) Trichloroethene	8.866	130	125009	20.173	ug/l	99
45) 1,2-Dichloropropane	9.146	63	96247	20.582	ug/l	99
46) Dibromomethane	9.231	93	58388	19.746	ug/l	98
47) Bromodichloromethane	9.426	83	149191	20.033	ug/l	99
48) Methyl methacrylate	9.219	41	42780	17.242	ug/l	95
49) 1,4-Dioxane	9.231	88	12246	357.190	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	250333	91.743	ug/l	98
52) Toluene	10.170	92	280105	20.376	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	122023	18.844	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	149849	19.607	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	77705	19.541	ug/l	95
56) Ethyl methacrylate	10.445	69	80772	17.609	ug/l	99
57) 1,3-Dichloropropane	10.719	76	123698	19.631	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	182196	88.669	ug/l	99
59) 2-Hexanone	10.762	43	197074	101.063	ug/l	99
60) Dibromochloromethane	10.914	129	111195	19.945	ug/l	99
61) 1,2-Dibromoethane	11.018	107	73429	19.363	ug/l	99
64) Tetrachloroethene	10.646	164	145594	19.382	ug/l	96
65) Chlorobenzene	11.444	112	314016	19.845	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	111165	19.715	ug/l	99
67) Ethyl Benzene	11.518	91	509085	19.876	ug/l	99
68) m/p-Xylenes	11.627	106	410062	39.916	ug/l	99
69) o-Xylene	11.956	106	188687	19.581	ug/l	99
70) Styrene	11.969	104	311804	19.677	ug/l	99
71) Bromoform	12.133	173	64321	18.390	ug/l #	100
73) Isopropylbenzene	12.255	105	493259	19.864	ug/l	100
74) N-amyl acetate	12.072	43	77131	17.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	78596	19.352	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	58029m	17.456	ug/l	
77) Bromobenzene	12.536	156	127908	19.376	ug/l	98
78) n-propylbenzene	12.597	91	580789	20.212	ug/l	100
79) 2-Chlorotoluene	12.682	91	335010	19.909	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	402952	20.082	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24605	18.150	ug/l	99
82) 4-Chlorotoluene	12.779	91	347982	20.080	ug/l	100
83) tert-Butylbenzene	12.999	119	362790	19.582	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	403304	20.139	ug/l	99
85) sec-Butylbenzene	13.176	105	536485	20.186	ug/l	100
86) p-Isopropyltoluene	13.292	119	455784	20.143	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	250678	19.500	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	248075	19.539	ug/l	99
89) n-Butylbenzene	13.615	91	386693	19.613	ug/l	99
90) Hexachloroethane	13.877	117	97445	20.022	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	217274	19.278	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11766	17.656	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	122058	17.372	ug/l	100
94) Hexachlorobutadiene	15.023	225	83673	19.104	ug/l	100
95) Naphthalene	15.145	128	169222	15.125	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	104325	17.142	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023409.D
Acq On : 09 Oct 2025 09:45
Operator : SY/MD
Sample : VY1009SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Manual Integrations
APPROVED

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

Quant Time: Oct 10 04:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

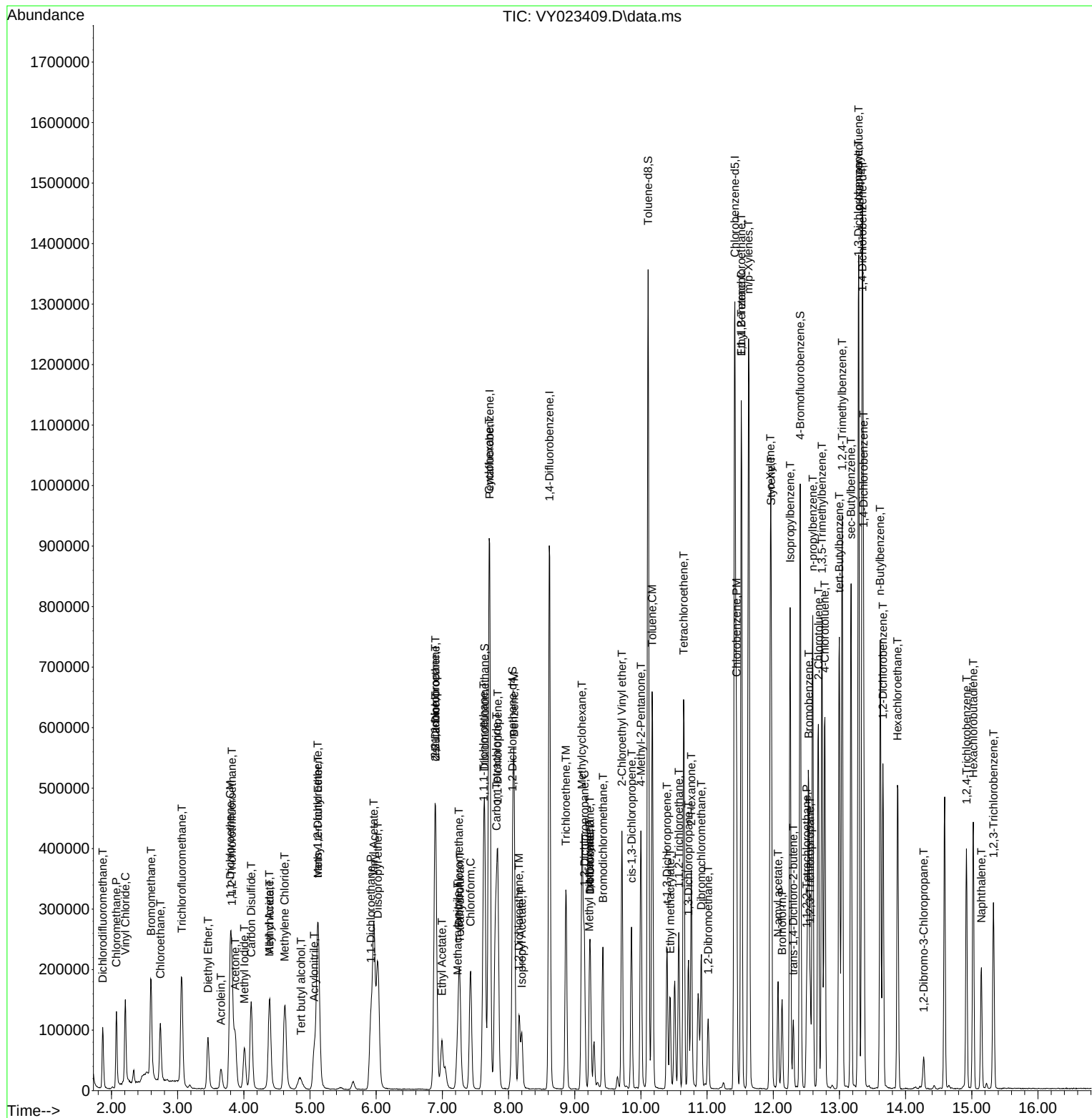
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 Data File : VY023409.D
 Acq On : 09 Oct 2025 09:45
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 4 Sample Multiplier: 1

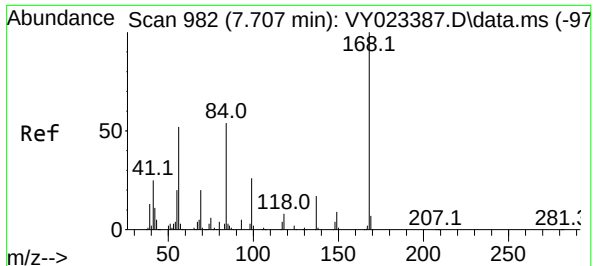
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations APPROVED

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

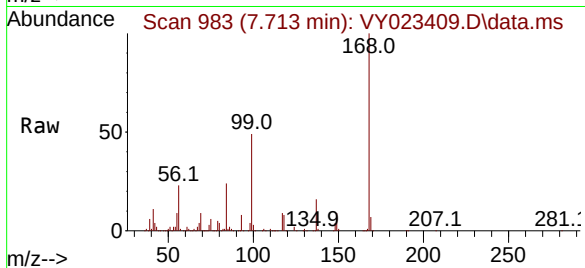
Quant Time: Oct 10 04:21:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

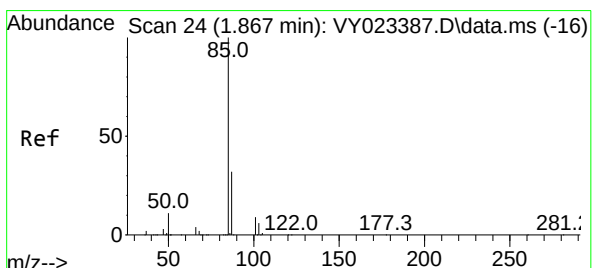
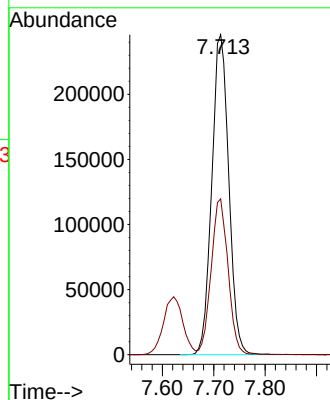
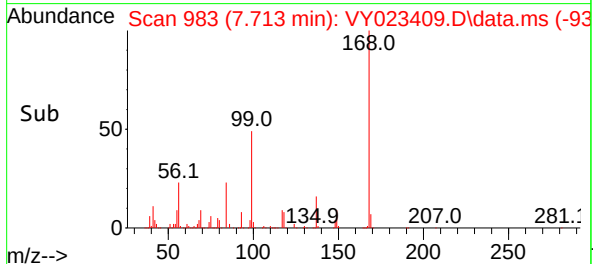
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion:168 Resp: 563762
Ion Ratio Lower Upper
168 100
99 48.6 39.7 59.5

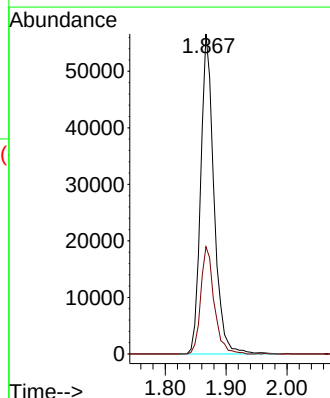
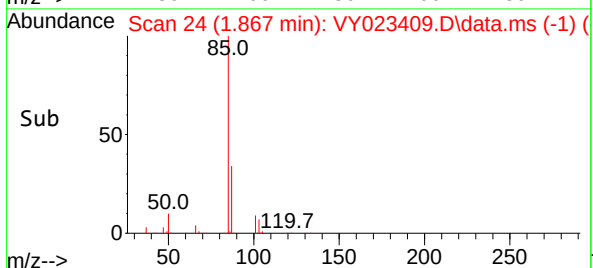
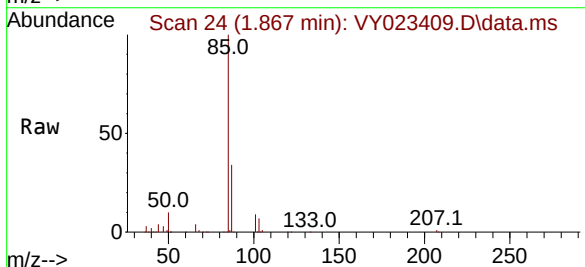
Manual Integrations
APPROVED

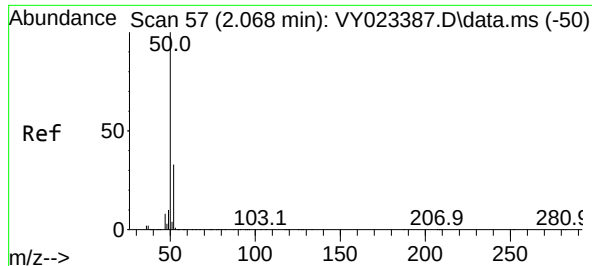
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#2
Dichlorodifluoromethane
Concen: 21.131 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Tgt Ion: 85 Resp: 85749
Ion Ratio Lower Upper
85 100
87 33.5 16.0 47.9





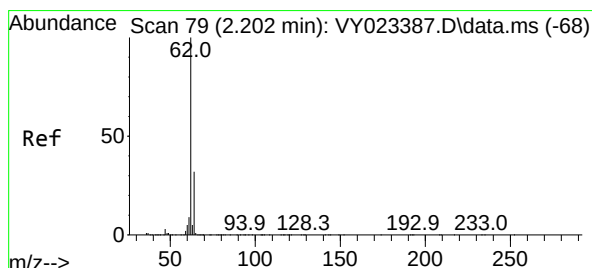
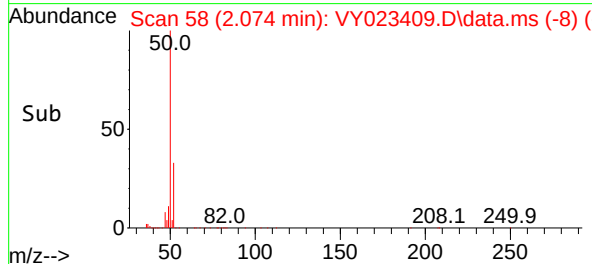
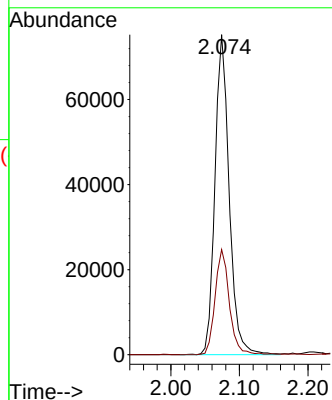
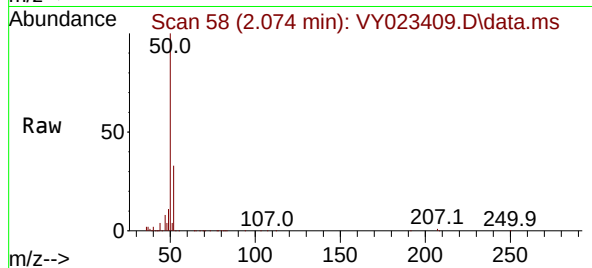
#3
Chloromethane
Concen: 19.661 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion: 50 Resp: 10868
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.2

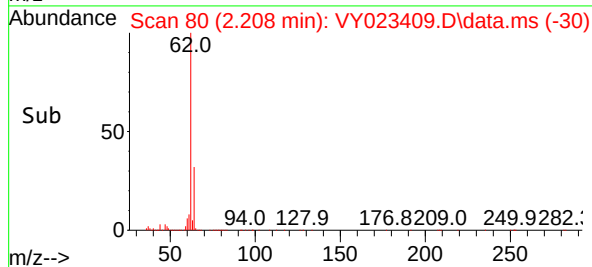
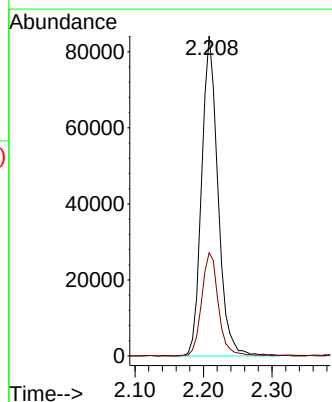
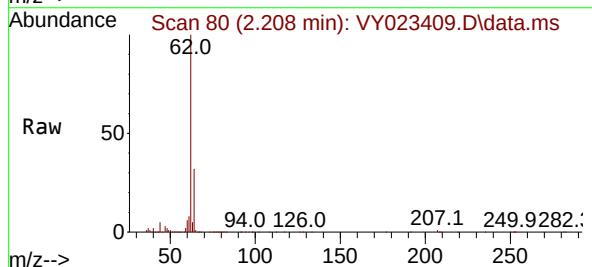
Manual Integrations
APPROVED

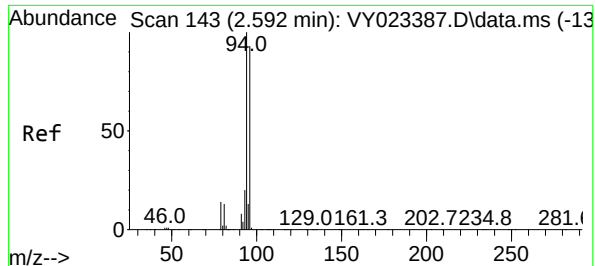
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#4
Vinyl Chloride
Concen: 19.459 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

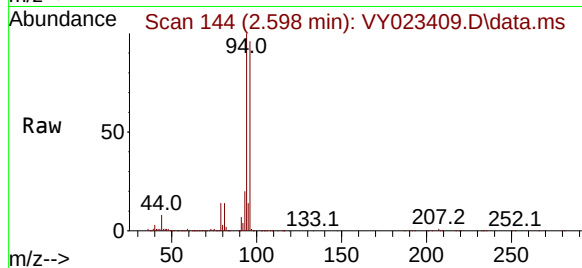
Tgt Ion: 62 Resp: 140110
Ion Ratio Lower Upper
62 100
64 32.1 25.8 38.8





#5
Bromomethane
Concen: 20.247 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

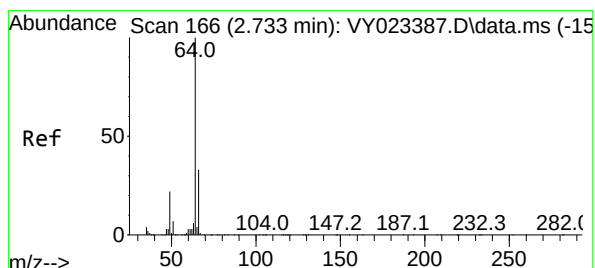
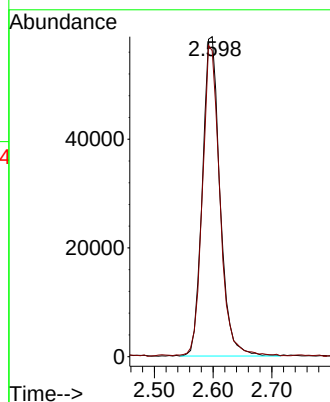
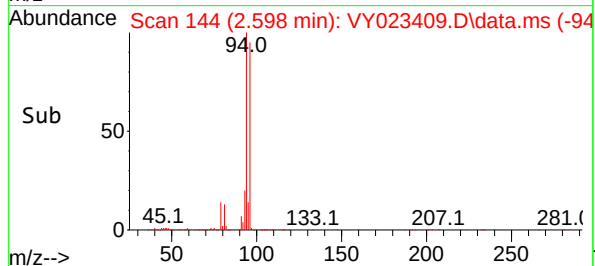
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



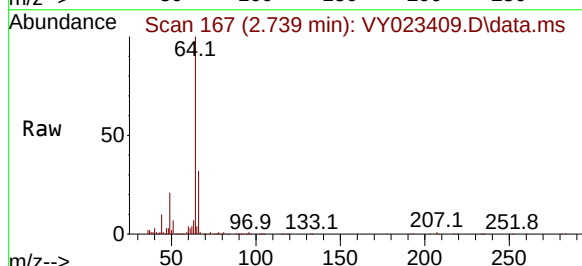
Tgt Ion: 94 Resp: 122330
Ion Ratio Lower Upper
94 100
96 95.5 74.5 111.7

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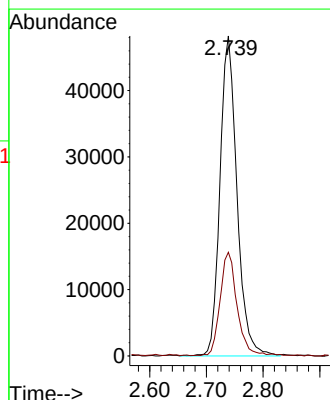
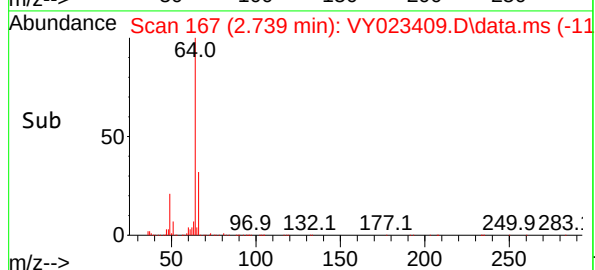
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

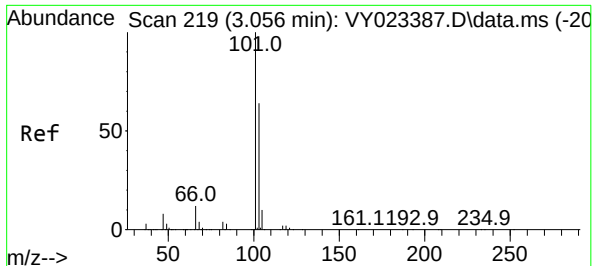


#6
Chloroethane
Concen: 20.442 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



Tgt Ion: 64 Resp: 100330
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





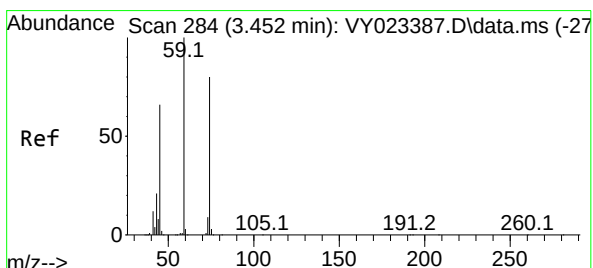
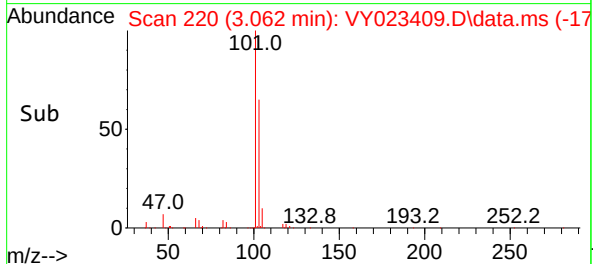
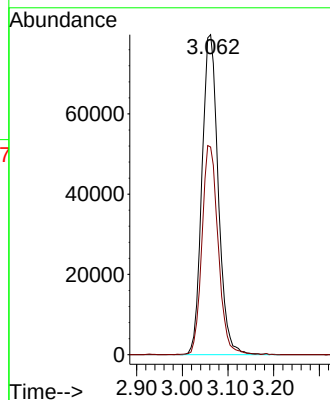
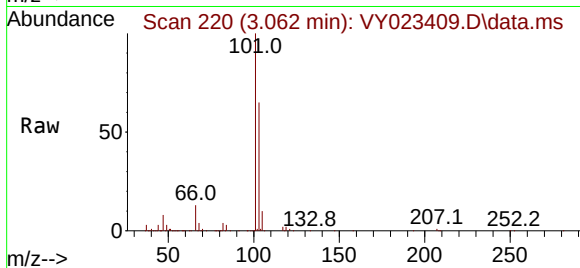
#7
Trichlorofluoromethane
Concen: 19.681 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion:101 Resp: 196750
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

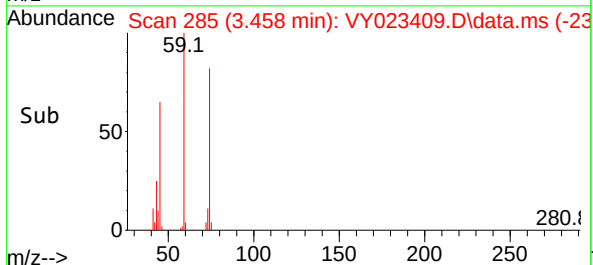
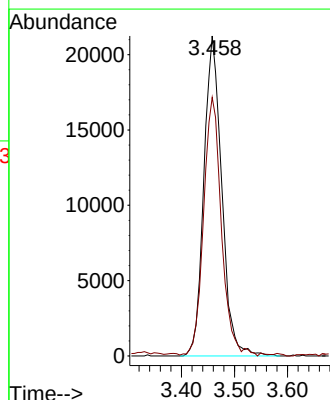
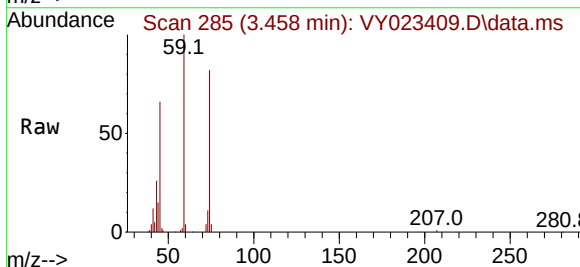
Manual Integrations
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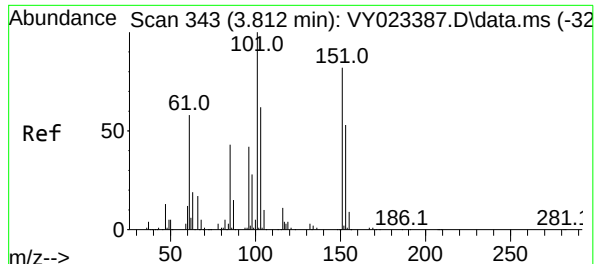
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#8
Diethyl Ether
Concen: 19.062 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Tgt Ion: 74 Resp: 49795
Ion Ratio Lower Upper
74 100
45 80.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.869 ug/l

RT: 3.818 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:101 Resp: 10826

Ion Ratio Lower Upper

101 100

85 44.0 34.6 51.8

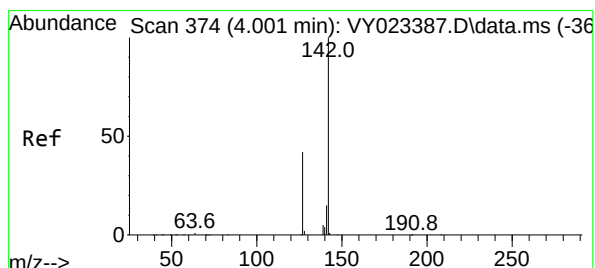
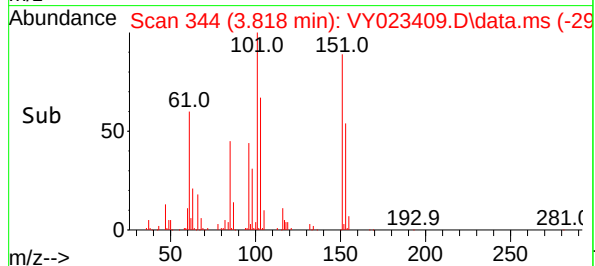
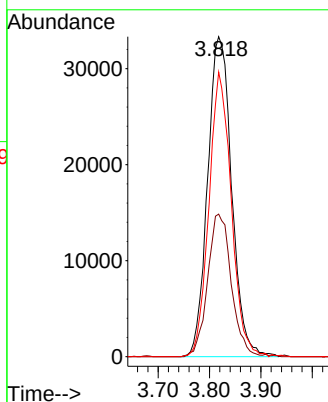
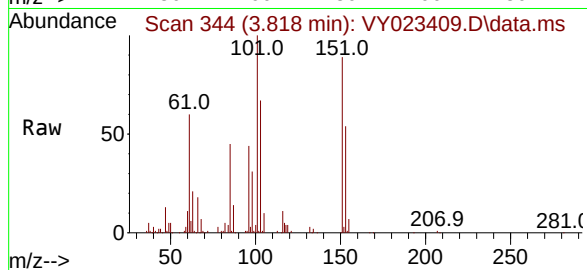
151 82.6 67.0 100.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#10

Methyl Iodide

Concen: 19.597 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

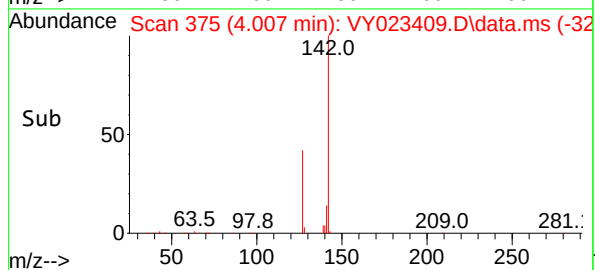
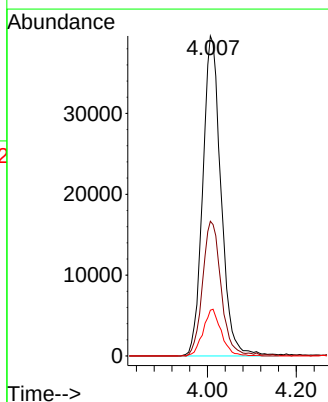
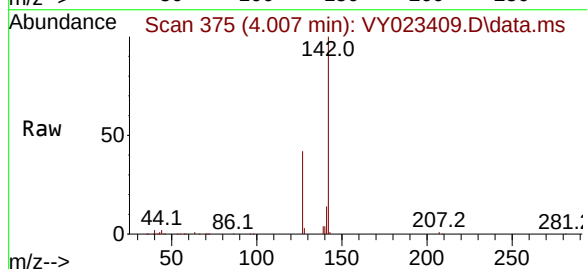
Tgt Ion:142 Resp: 113175

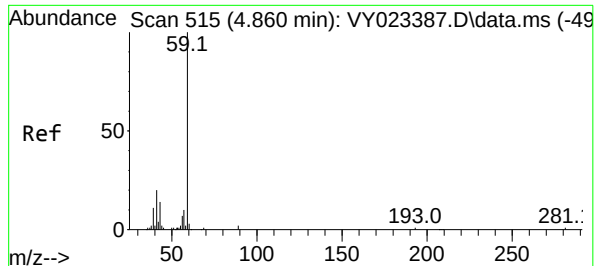
Ion Ratio Lower Upper

142 100

127 42.9 34.8 52.2

141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 95.990 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 59 Resp: 3366

Ion Ratio Lower Upper

59 100

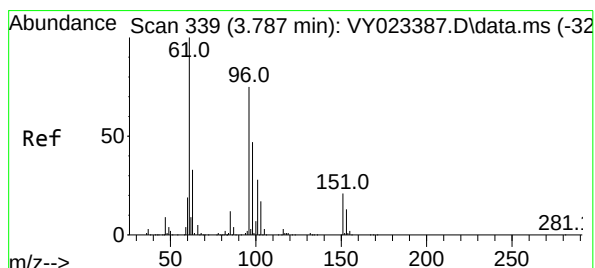
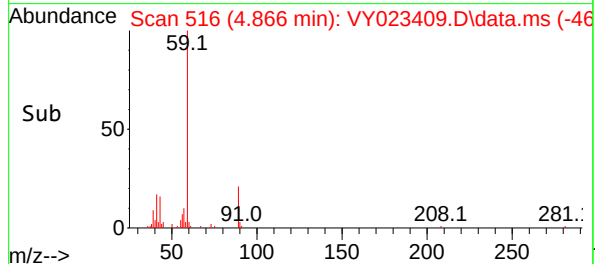
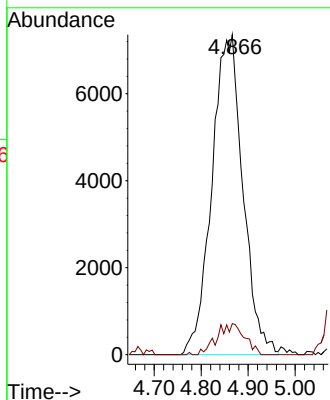
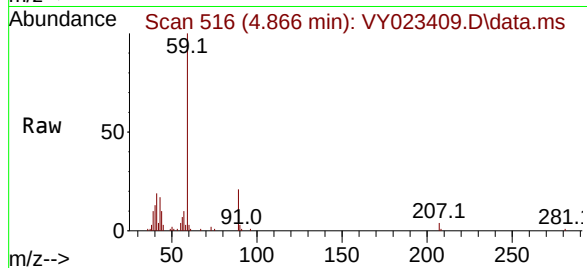
57 8.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#12

1,1-Dichloroethene

Concen: 19.832 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

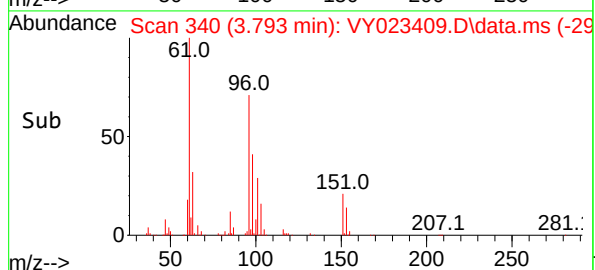
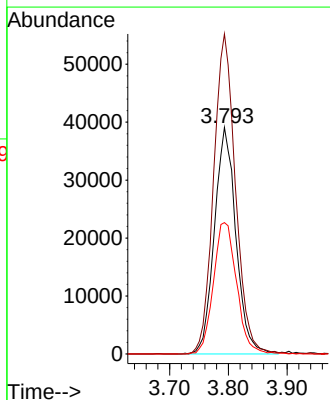
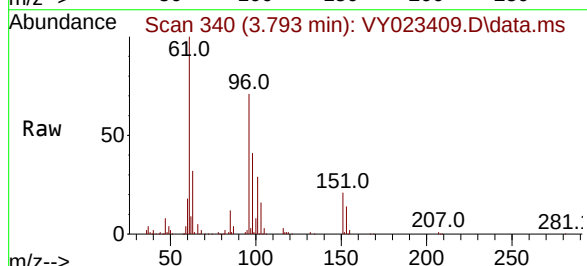
Tgt Ion: 96 Resp: 99731

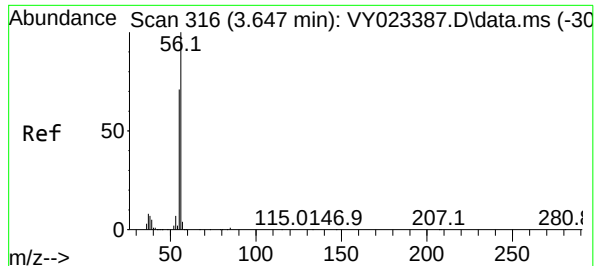
Ion Ratio Lower Upper

96 100

61 141.3 106.7 160.1

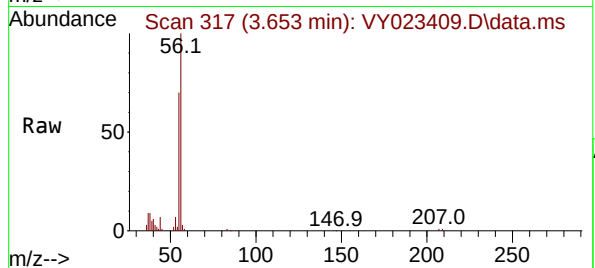
98 58.0 50.2 75.4





#13
Acrolein
Concen: 81.277 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

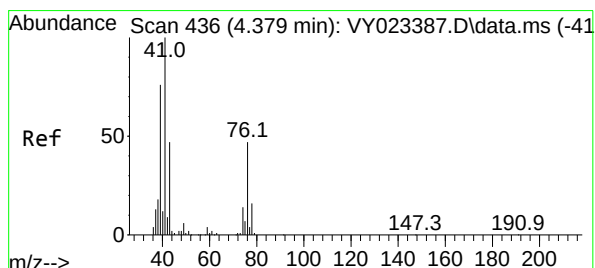
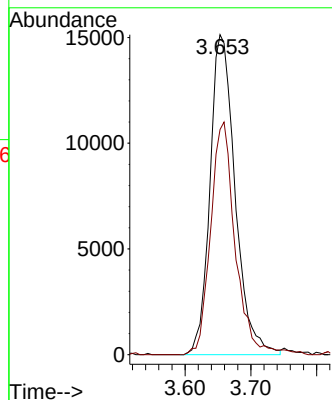
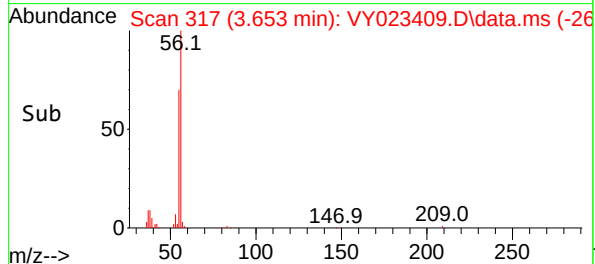
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



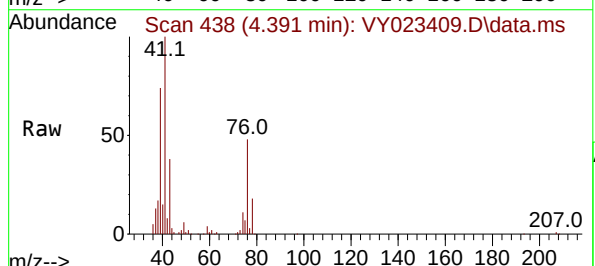
Tgt Ion: 56 Resp: 40278
Ion Ratio Lower Upper
56 100
55 71.3 56.1 84.1

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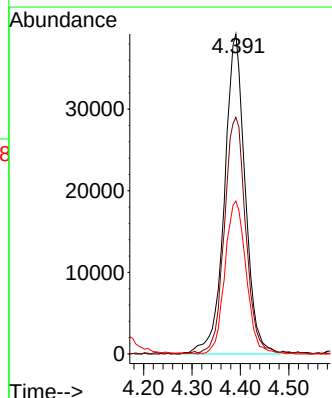
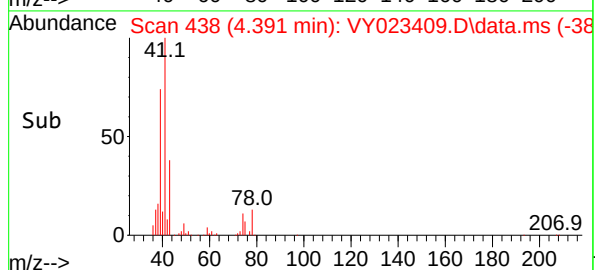
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

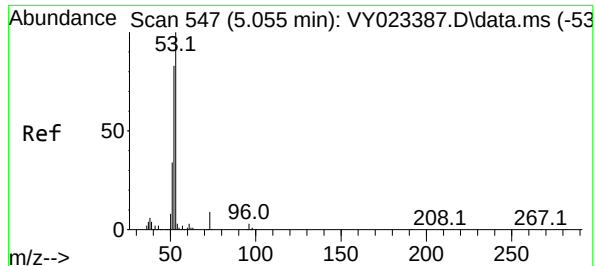


#14
Allyl chloride
Concen: 18.994 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



Tgt Ion: 41 Resp: 116410
Ion Ratio Lower Upper
41 100
39 76.8 59.9 89.9
76 49.1 38.0 57.0





#15

Acrylonitrile

Concen: 90.162 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 53 Resp: 90130

Ion Ratio Lower Upper

53 100

52 81.1 64.6 97.0

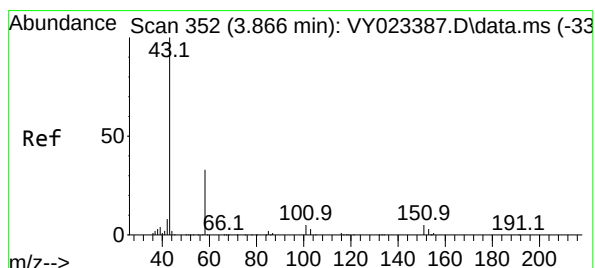
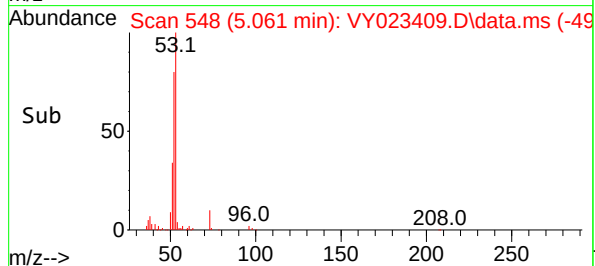
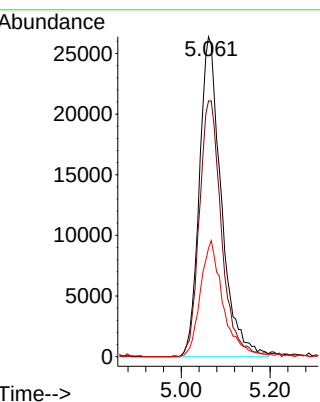
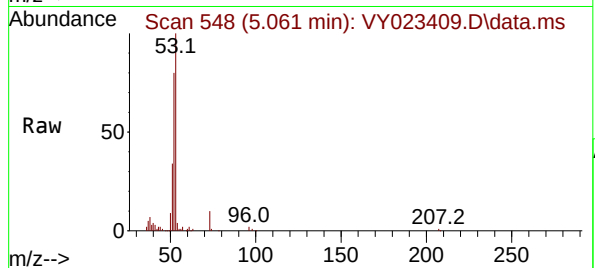
51 37.7 29.5 44.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#16

Acetone

Concen: 122.625 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.006 min

Lab File: VY023409.D

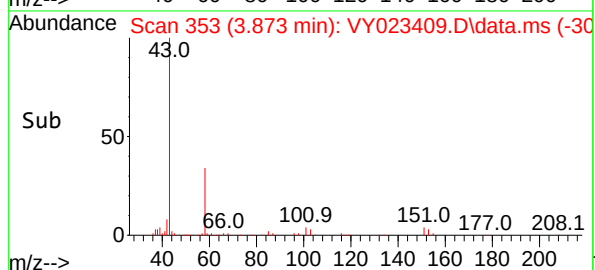
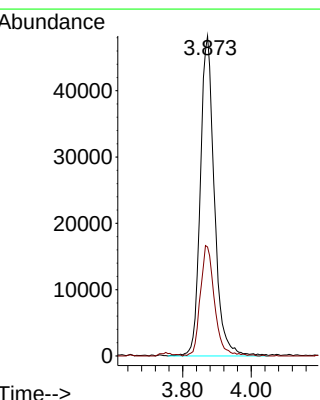
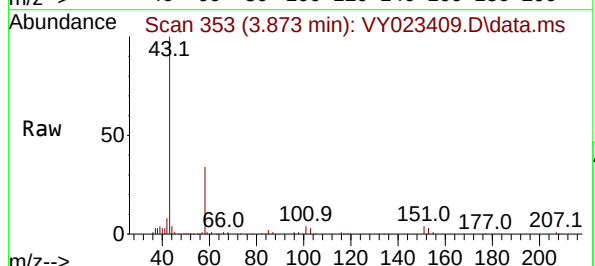
Acq: 09 Oct 2025 09:45

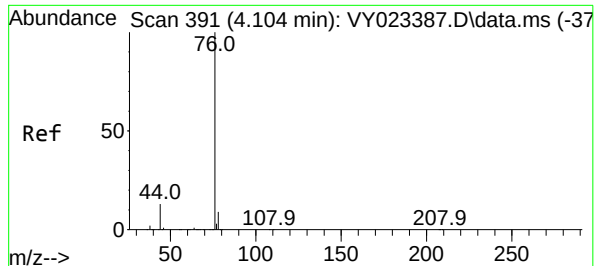
Tgt Ion: 43 Resp: 137624

Ion Ratio Lower Upper

43 100

58 34.1 27.7 41.5





#17

Carbon Disulfide

Concen: 20.463 ug/l

RT: 4.110 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 76 Resp: 29453

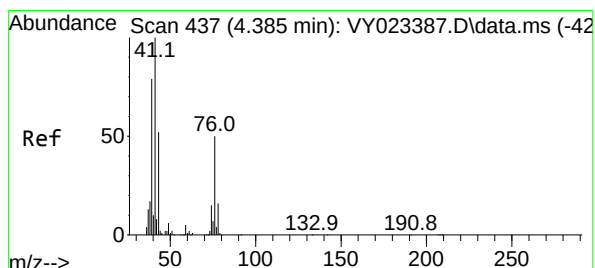
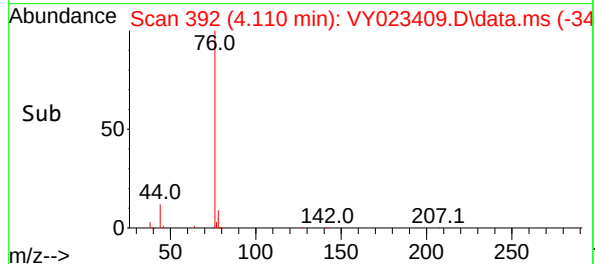
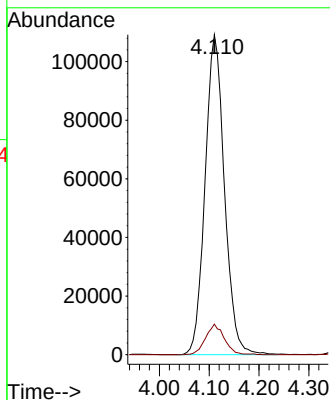
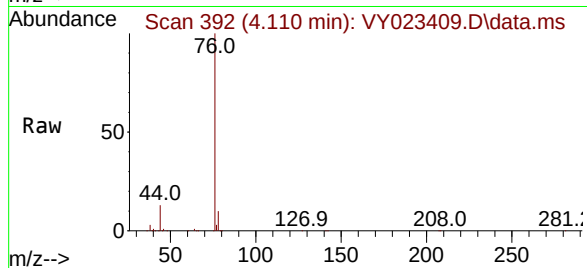
Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

Manual Integrations

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

#18

Methyl Acetate

Concen: 15.968 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY023409.D

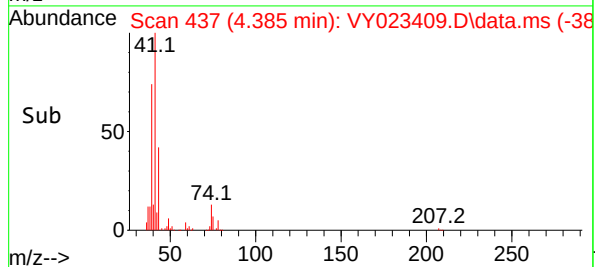
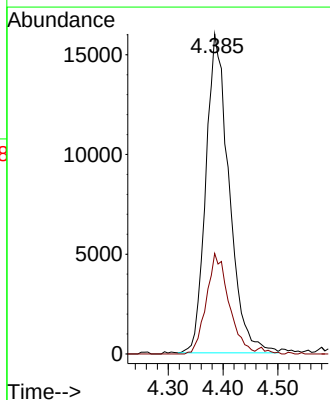
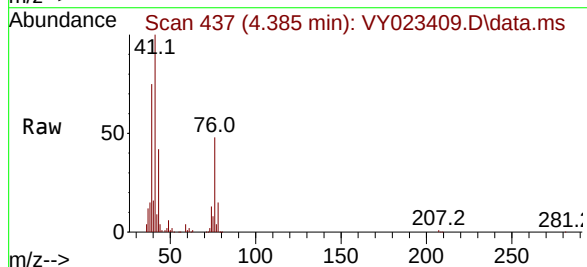
Acq: 09 Oct 2025 09:45

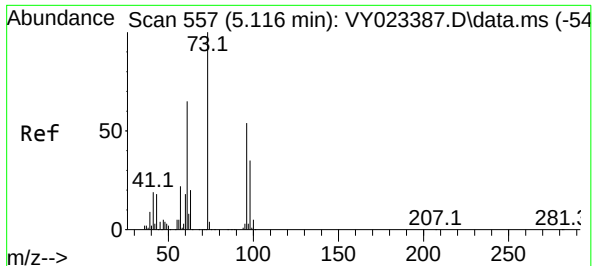
Tgt Ion: 43 Resp: 47012

Ion Ratio Lower Upper

43 100

74 30.6 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 18.616 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 73 Resp: 224998

Ion Ratio Lower Upper

73 100

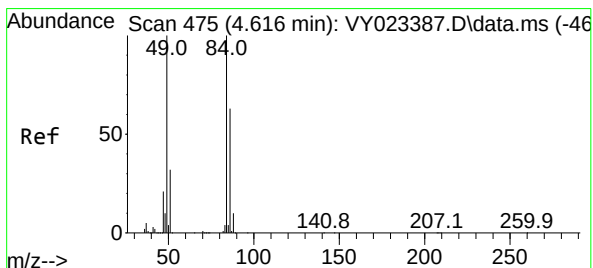
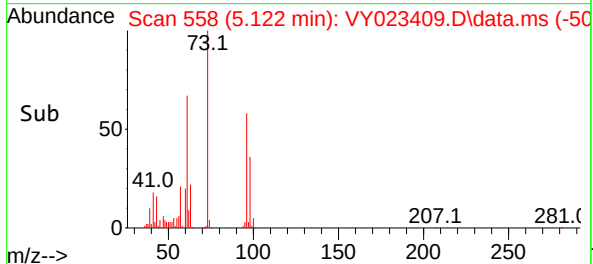
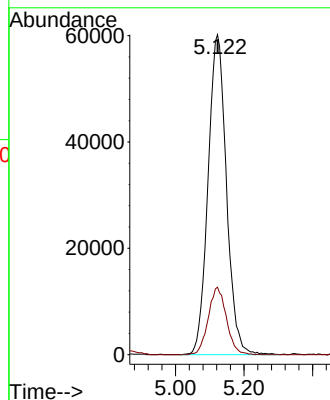
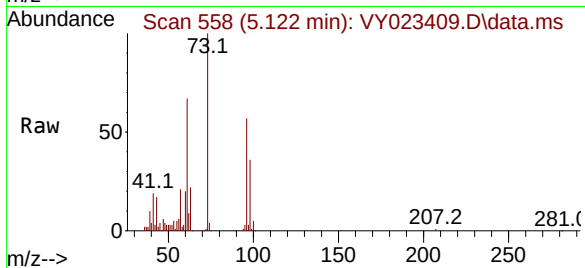
57 21.1 17.4 26.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#20

Methylene Chloride

Concen: 18.779 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Tgt Ion: 84 Resp: 113968

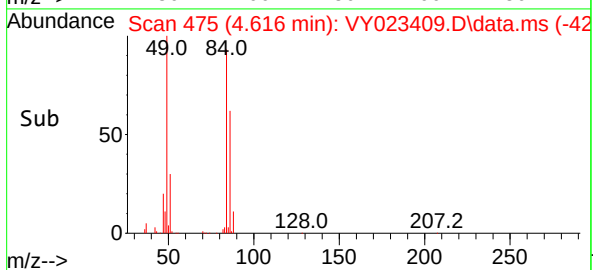
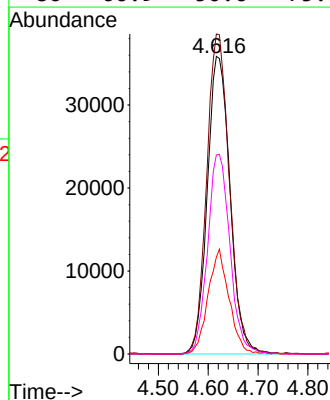
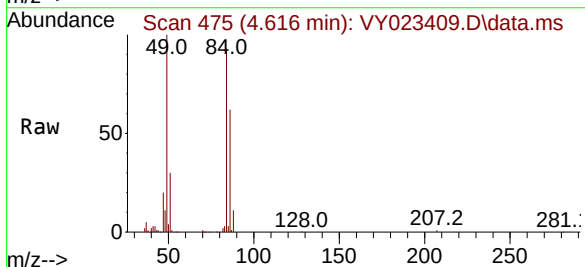
Ion Ratio Lower Upper

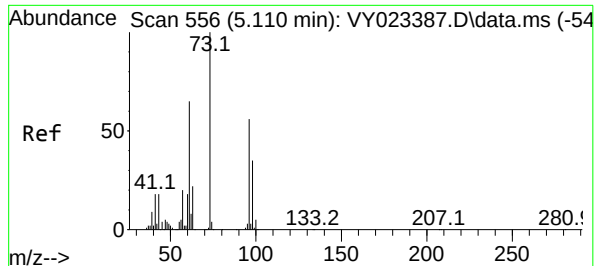
84 100

49 107.5 80.2 120.4

51 32.6 25.9 38.9

86 66.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.304 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 96 Resp: 112414

Ion Ratio Lower Upper

96 100

61 120.3 92.7 139.1

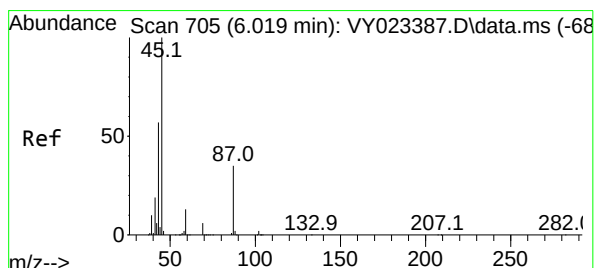
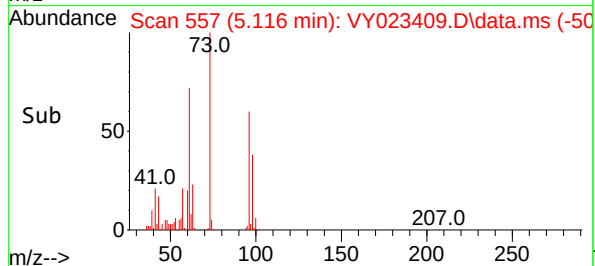
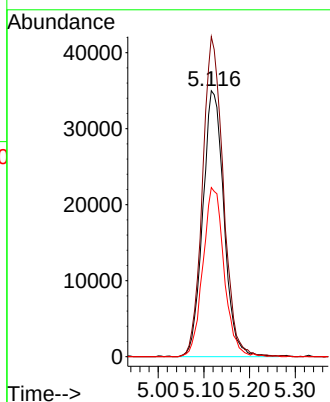
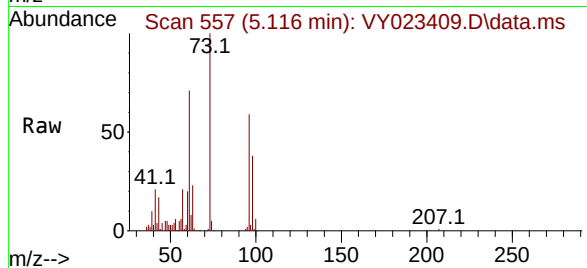
98 63.6 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#22

Diisopropyl ether

Concen: 19.579 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Tgt Ion: 45 Resp: 265422

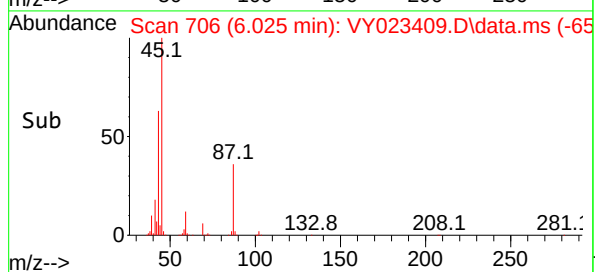
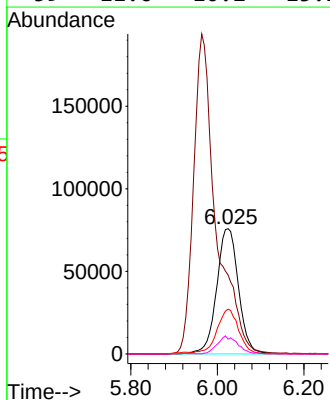
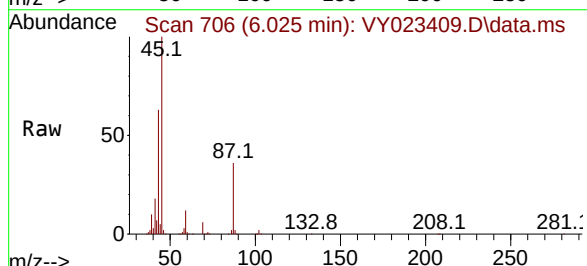
Ion Ratio Lower Upper

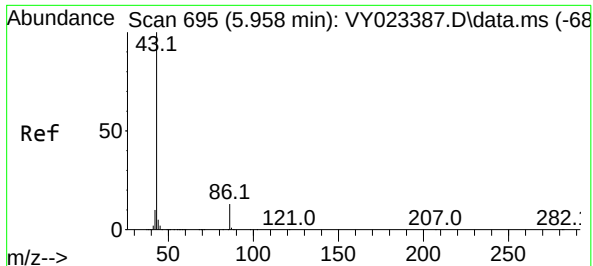
45 100

43 62.1 45.6 68.4

87 35.6 28.1 42.1

59 11.6 10.2 15.2





#23

Vinyl Acetate

Concen: 95.380 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 43 Resp: 69989

Ion Ratio Lower Upper

43

100

86

13.2

10.6

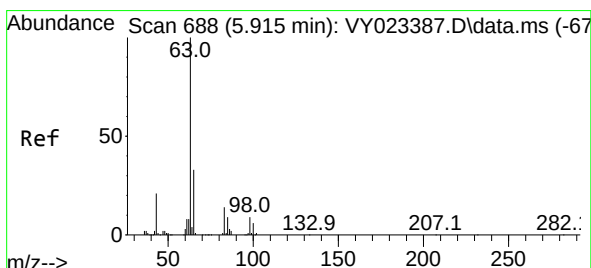
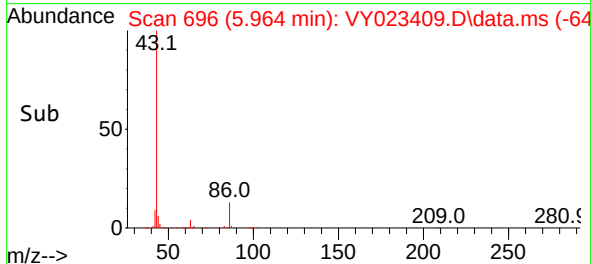
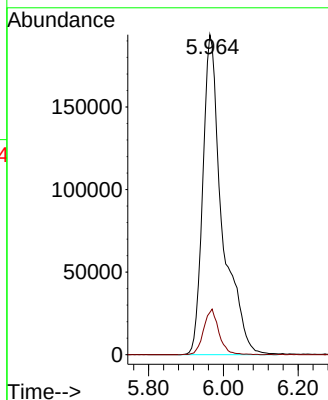
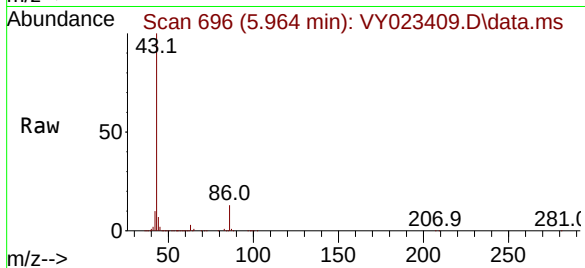
15.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#24

1,1-Dichloroethane

Concen: 20.284 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Tgt Ion: 63 Resp: 182155

Ion Ratio Lower Upper

63

100

98

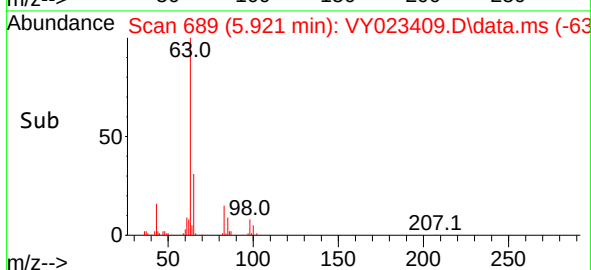
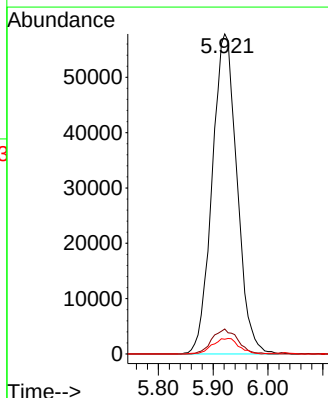
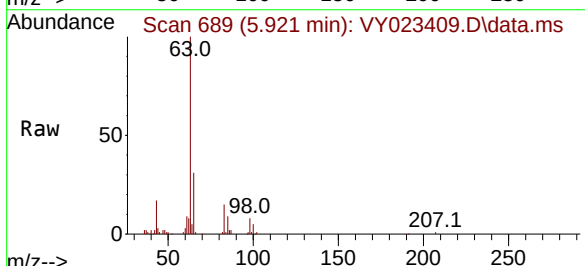
7.8

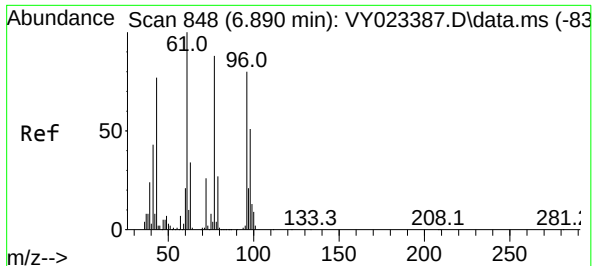
100

4.6

2.8

8.4





#25

2-Butanone

Concen: 106.390 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 43 Resp: 14577

Ion Ratio Lower Upper

43 100

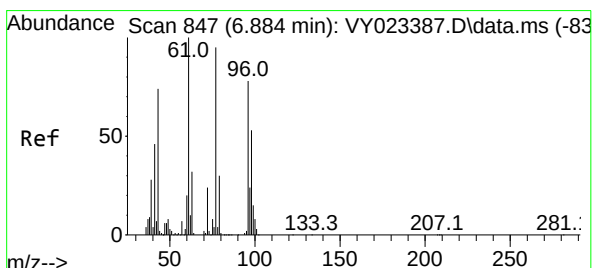
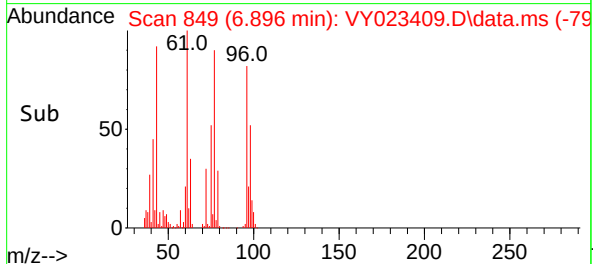
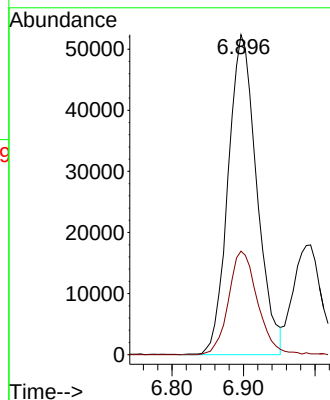
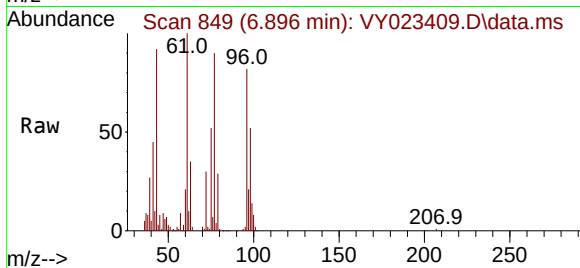
72 32.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#26

2,2-Dichloropropane

Concen: 20.933 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023409.D

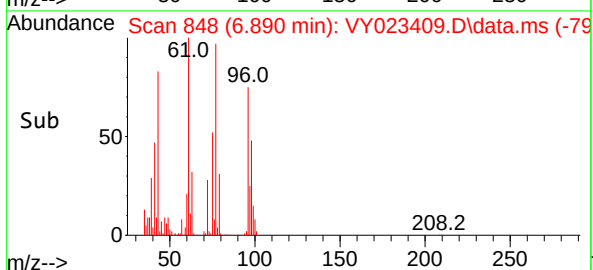
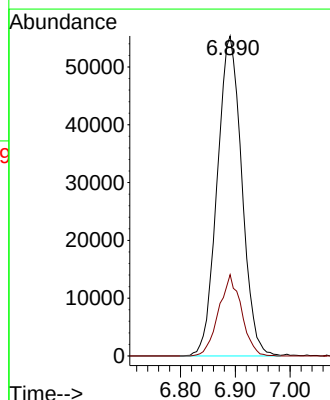
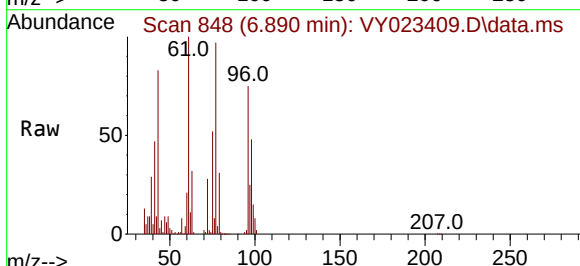
Acq: 09 Oct 2025 09:45

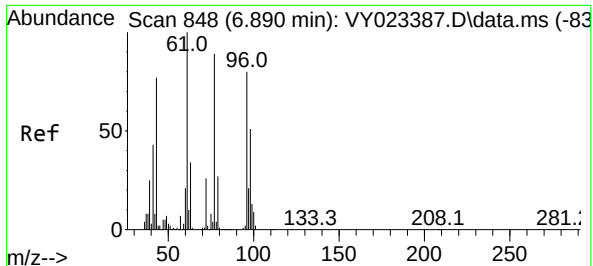
Tgt Ion: 77 Resp: 172493

Ion Ratio Lower Upper

77 100

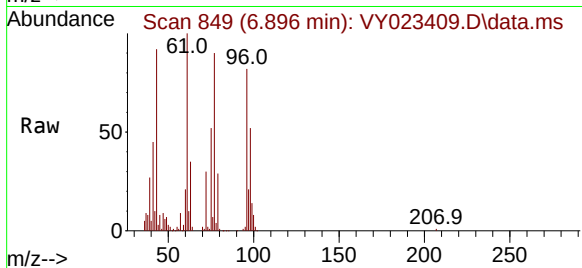
97 23.5 12.1 36.3





#27
 cis-1,2-Dichloroethene
 Concen: 19.791 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY023409.D
 Acq: 09 Oct 2025 09:45

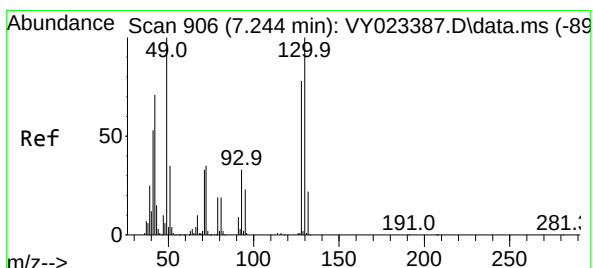
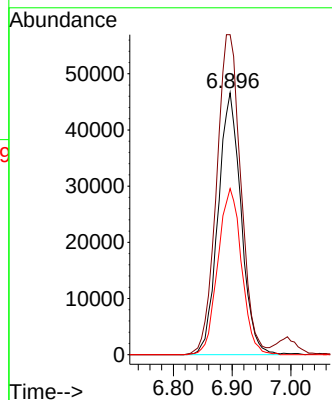
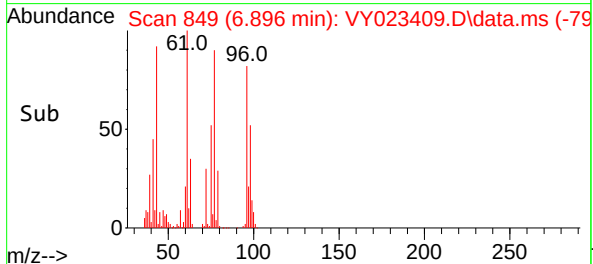
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01



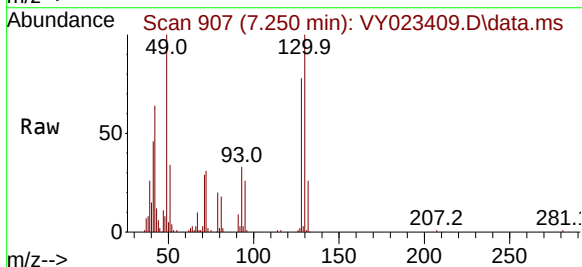
Tgt Ion: 96 Resp: 126574
 Ion Ratio Lower Upper
 96 100
 61 129.8 0.0 258.2
 98 65.3 0.0 132.0

Manual Integrations
 APPROVED

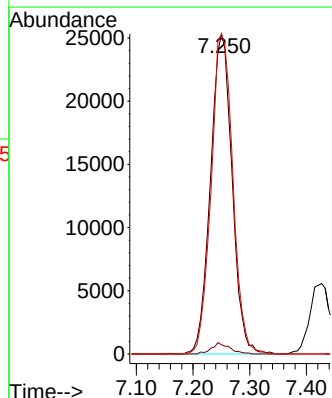
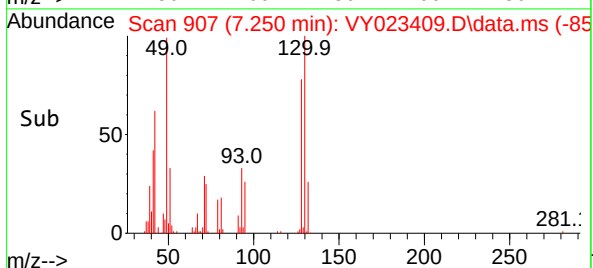
Reviewed By :Mahesh Dadoda 10/10/2025
 Supervised By :Semsettin Yesilyurt 10/10/2025

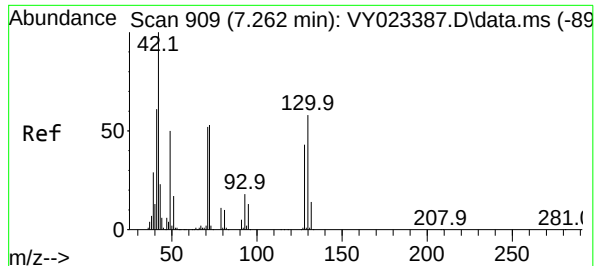


#28
 Bromochloromethane
 Concen: 19.993 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023409.D
 Acq: 09 Oct 2025 09:45



Tgt Ion: 49 Resp: 67024
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 5.6
 130 100.2 81.9 122.9





#29

Tetrahydrofuran

Concen: 87.306 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 42 Resp: 6783

Ion Ratio Lower Upper

42 100

72 50.7 43.0 64.6

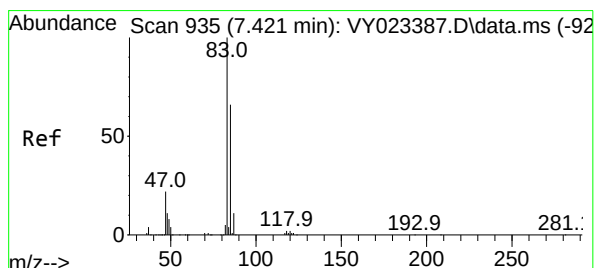
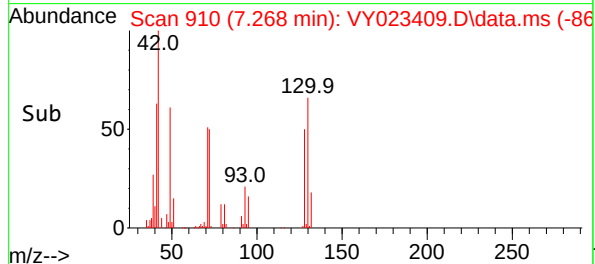
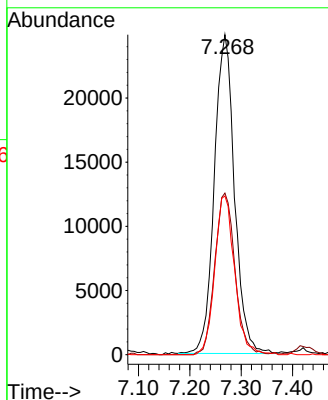
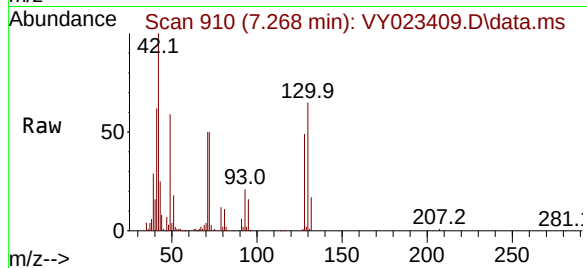
71 48.9 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#30

Chloroform

Concen: 20.207 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023409.D

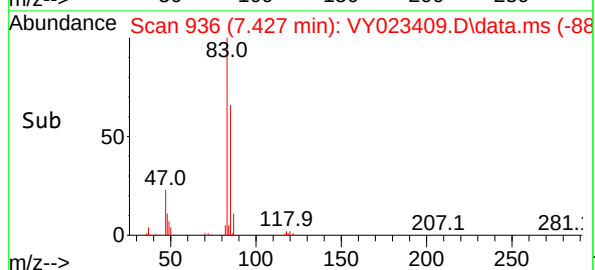
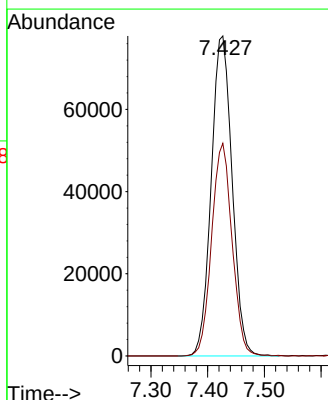
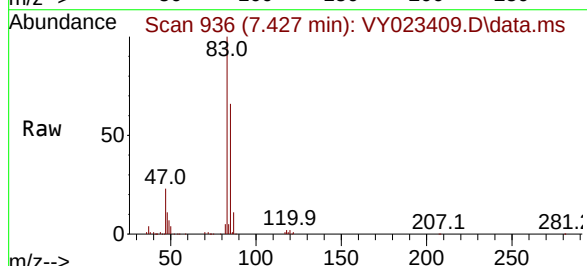
Acq: 09 Oct 2025 09:45

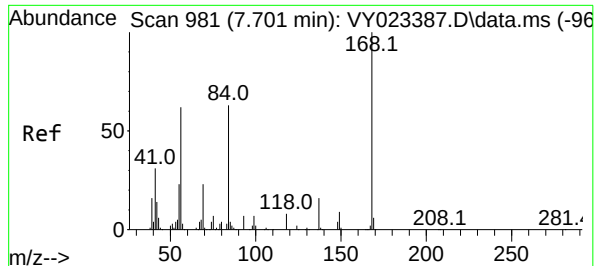
Tgt Ion: 83 Resp: 199370

Ion Ratio Lower Upper

83 100

85 66.5 52.5 78.7





#31

Cyclohexane

Concen: 19.656 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 56 Resp: 15414

Ion Ratio Lower Upper

56 100

69 42.8 30.0 45.0

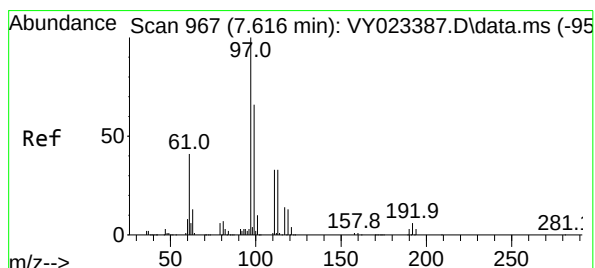
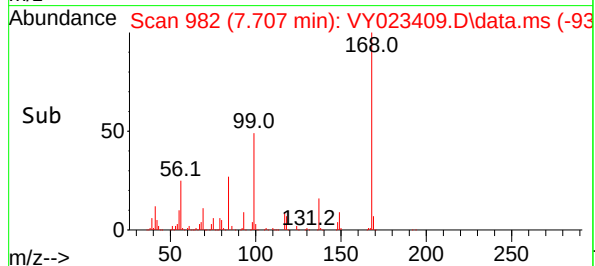
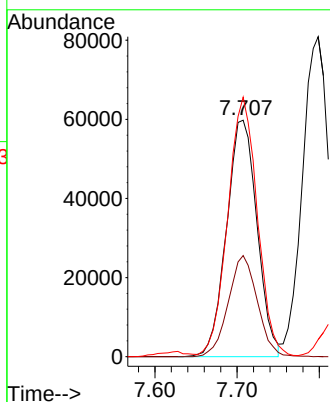
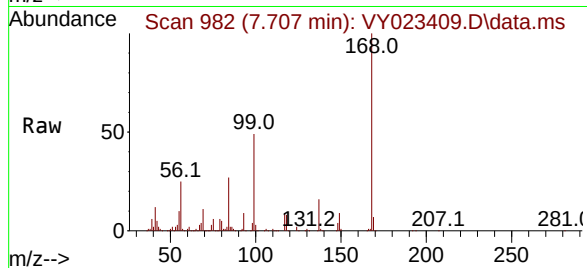
84 107.5 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 20.109 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

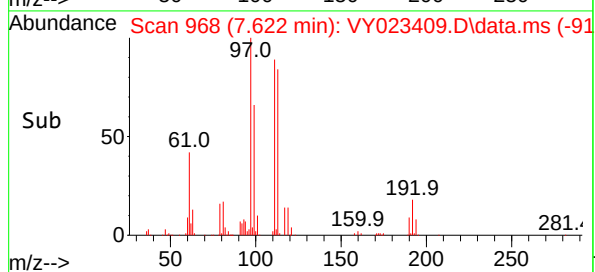
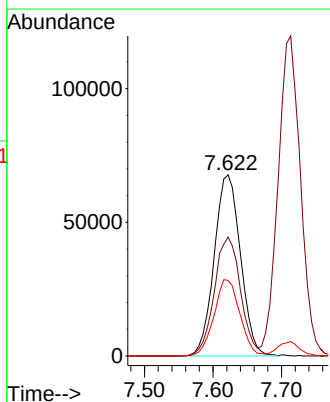
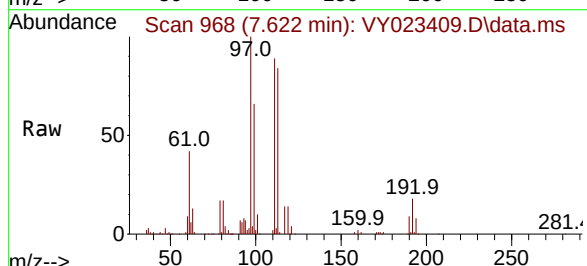
Tgt Ion: 97 Resp: 180303

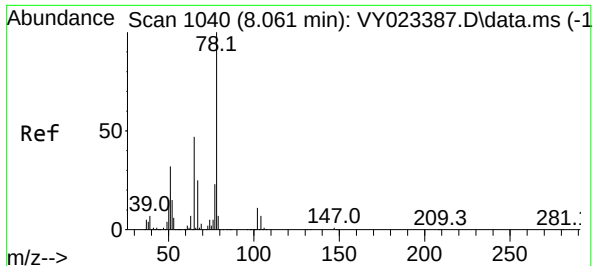
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.2

61 41.5 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 45.791 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 65 Resp: 21587

Ion Ratio Lower Upper

65 100

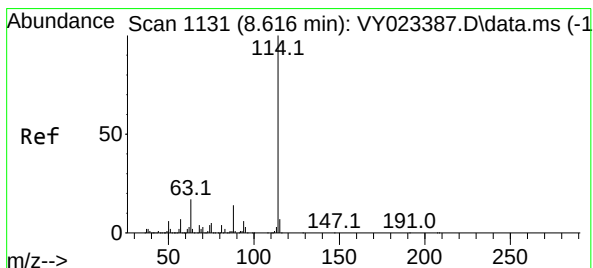
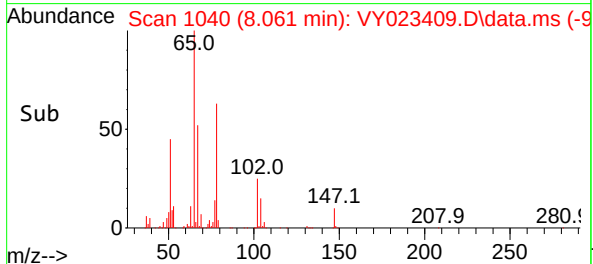
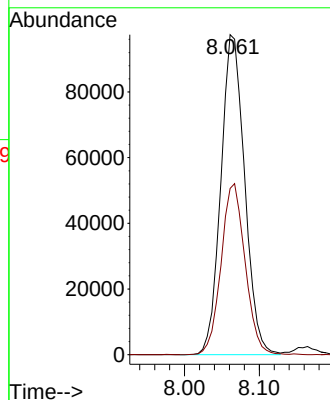
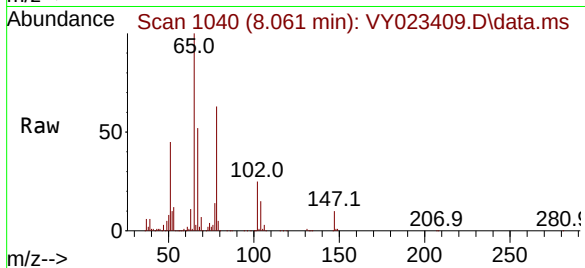
67 54.0 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

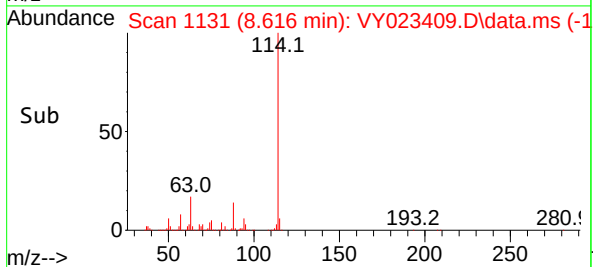
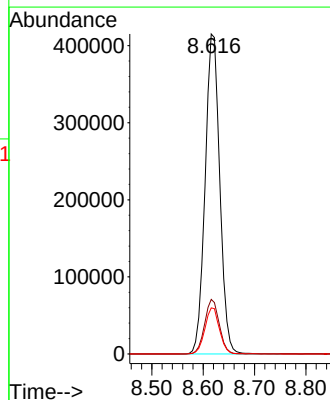
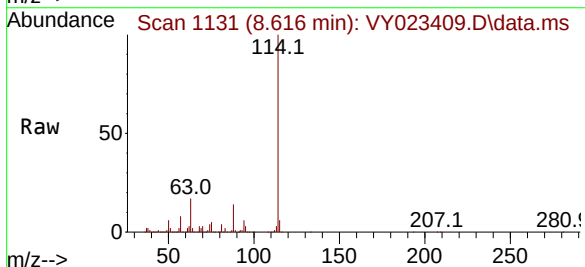
Tgt Ion:114 Resp: 821828

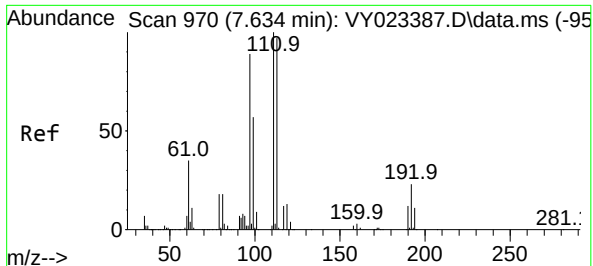
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.4 0.0 28.4





#35

Dibromofluoromethane

Concen: 47.875 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:113 Resp: 241758

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

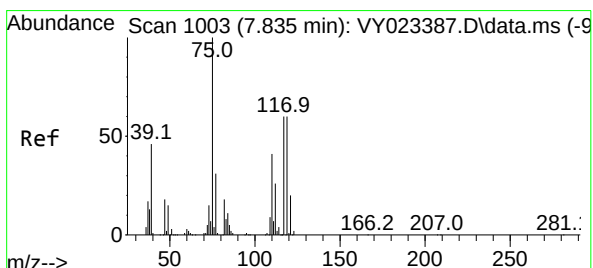
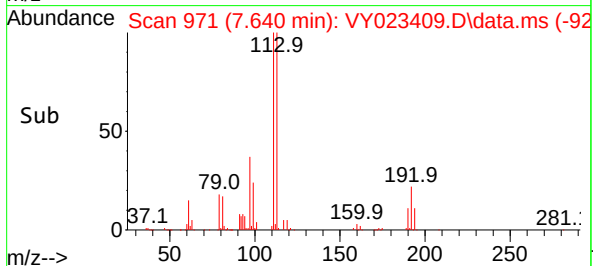
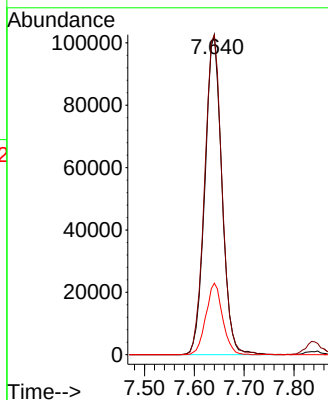
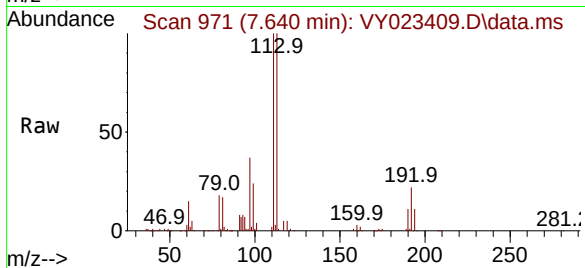
192 22.0 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#36

1,1-Dichloropropene

Concen: 20.730 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

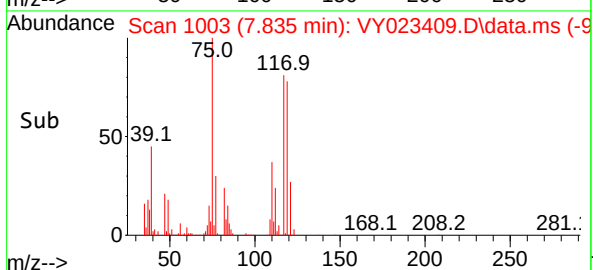
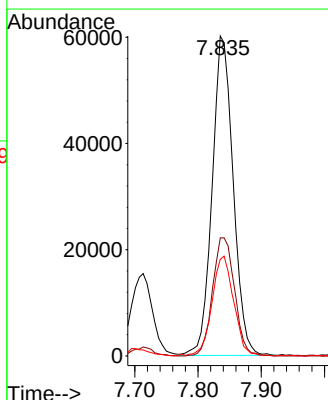
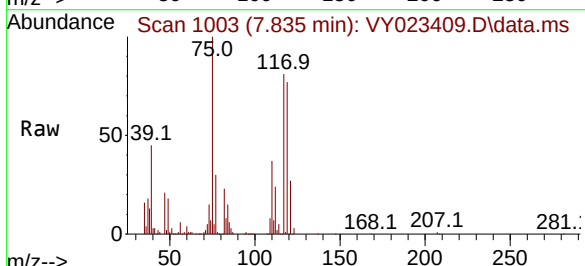
Tgt Ion: 75 Resp: 138589

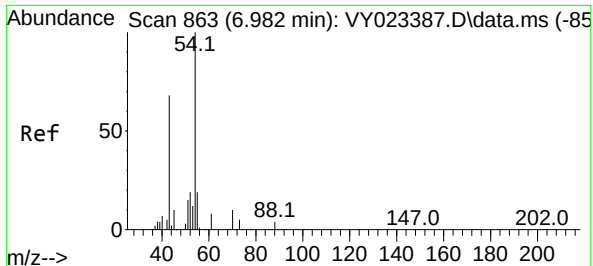
Ion Ratio Lower Upper

75 100

110 38.7 19.9 59.7

77 32.4 25.0 37.6





#37

Ethyl Acetate

Concen: 19.403 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 43 Resp: 5139

Ion Ratio Lower Upper

43 100

61 13.6 11.8 17.8

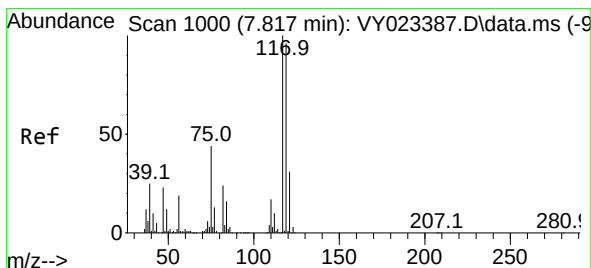
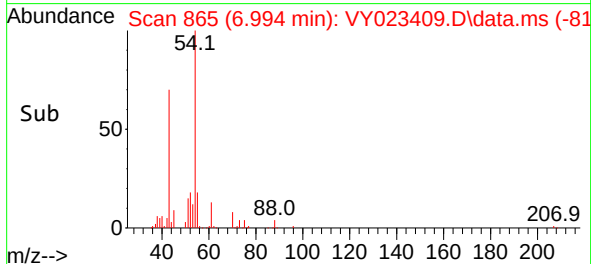
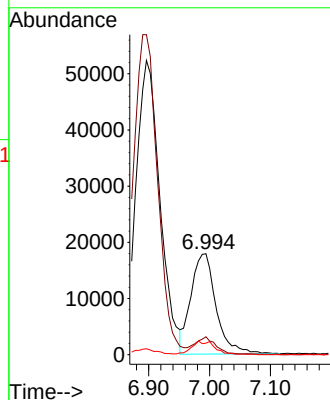
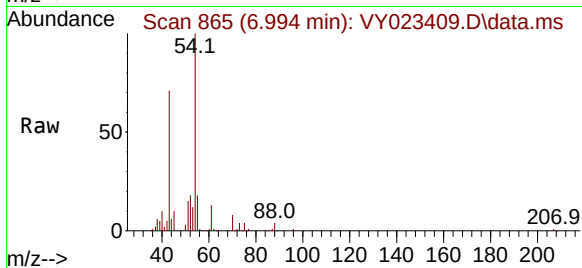
70 12.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#38

Carbon Tetrachloride

Concen: 20.621 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

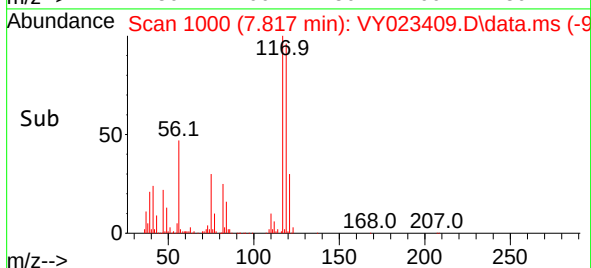
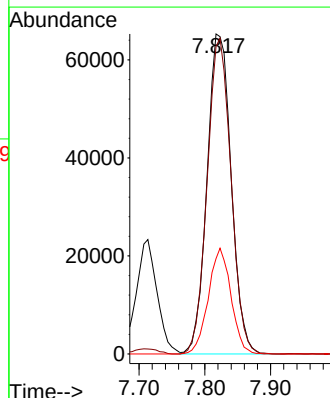
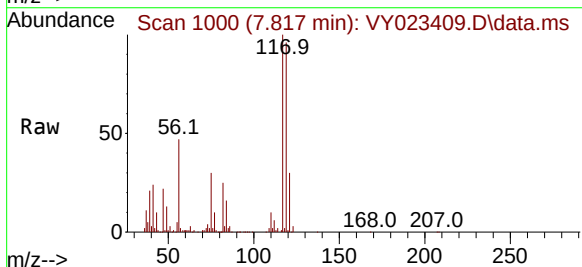
Tgt Ion:117 Resp: 167157

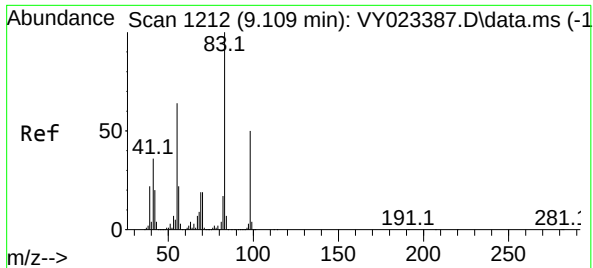
Ion Ratio Lower Upper

117 100

119 96.1 76.8 115.2

121 29.8 24.5 36.7





#39

Methylcyclohexane

Concen: 20.060 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 83 Resp: 174614

Ion Ratio Lower Upper

83 100

55 69.0 51.4 77.2

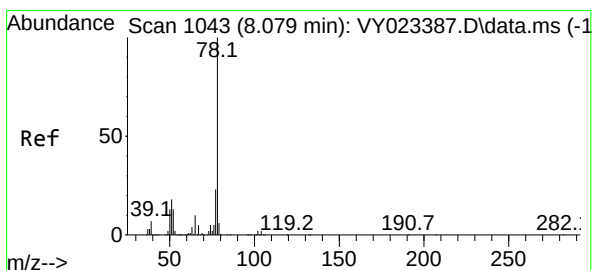
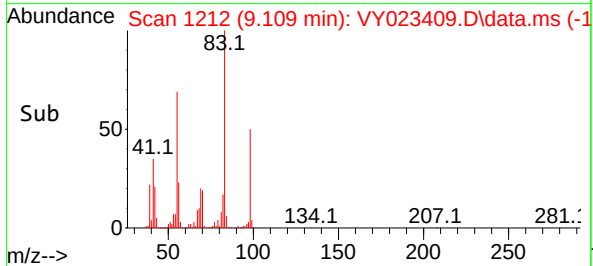
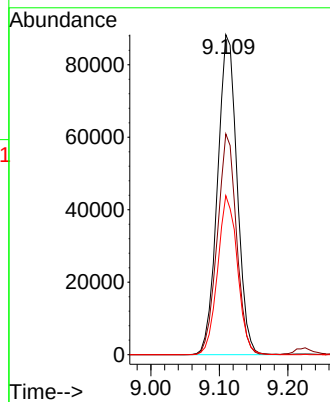
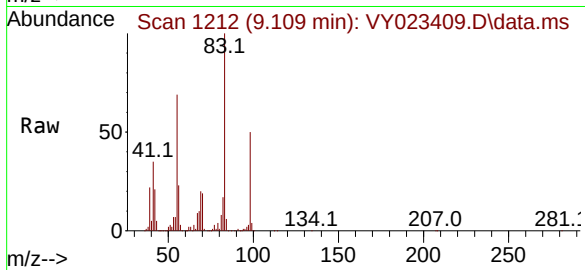
98 49.7 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#40

Benzene

Concen: 20.779 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023409.D

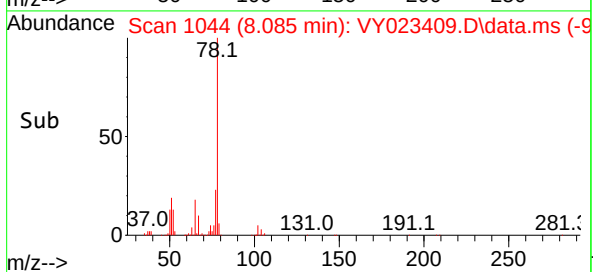
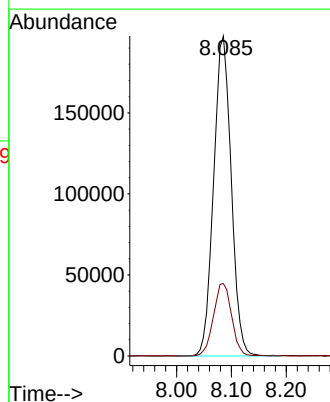
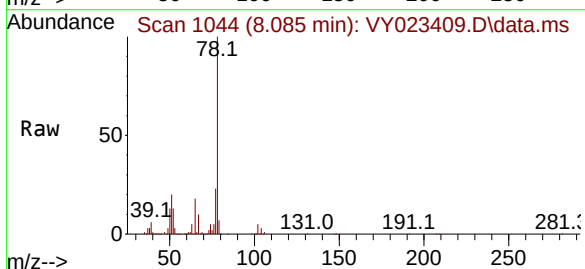
Acq: 09 Oct 2025 09:45

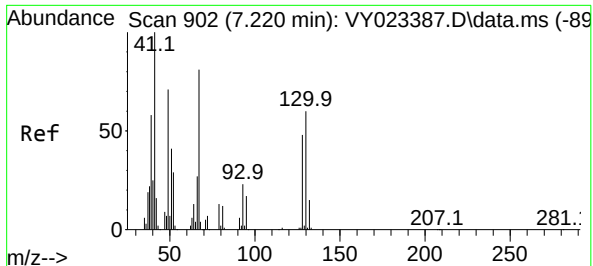
Tgt Ion: 78 Resp: 439932

Ion Ratio Lower Upper

78 100

77 22.6 18.3 27.5





#41

Methacrylonitrile

Concen: 17.398 ug/l

RT: 7.232 min Scan# 902

Delta R.T. 0.012 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 41 Resp: 2492

Ion Ratio Lower Upper

41 100

39 47.4 52.2 78.4

67 95.3 74.9 112.3

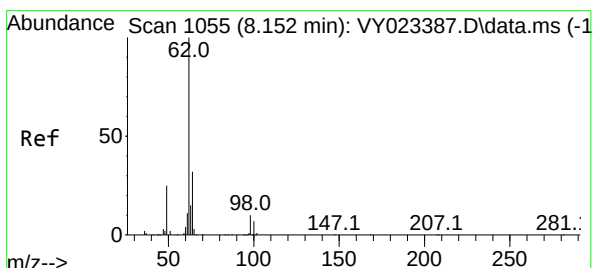
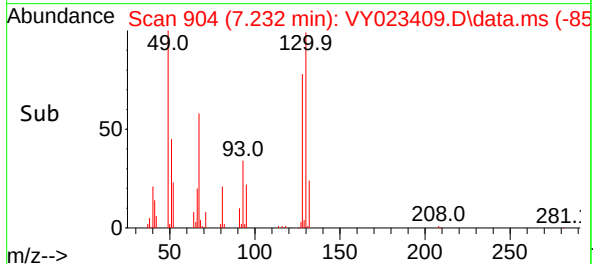
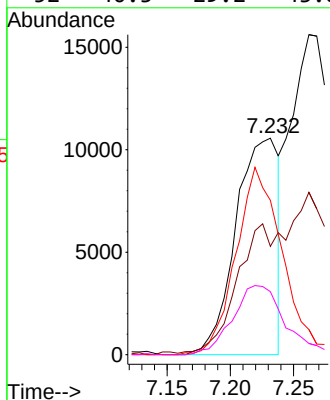
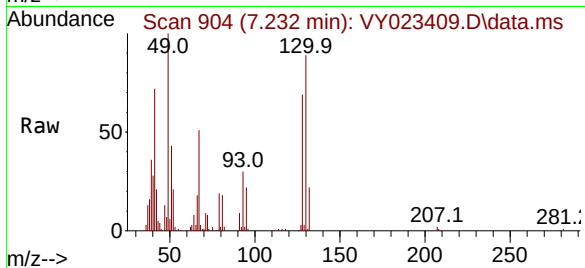
52 40.3 29.2 43.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#42

1,2-Dichloroethane

Concen: 19.817 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VY023409.D

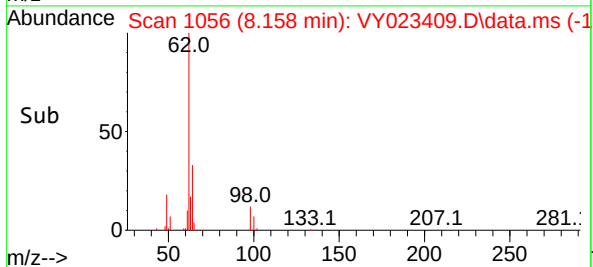
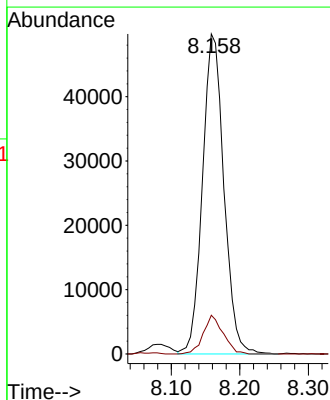
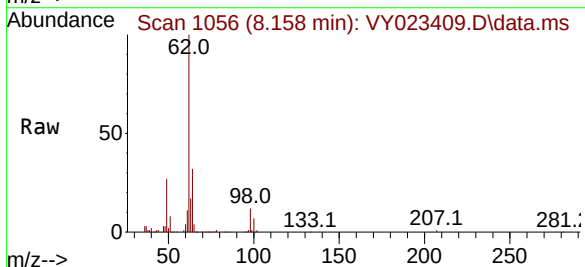
Acq: 09 Oct 2025 09:45

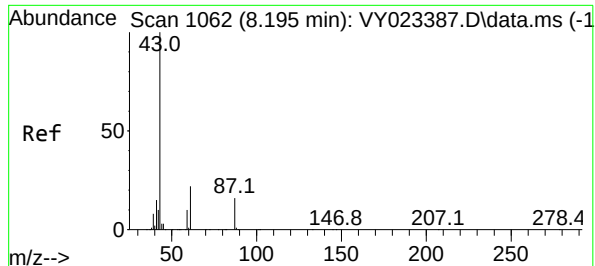
Tgt Ion: 62 Resp: 108207

Ion Ratio Lower Upper

62 100

98 11.2 0.0 21.6





#43

Isopropyl Acetate

Concen: 18.274 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

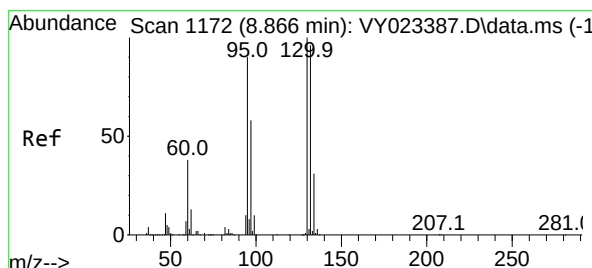
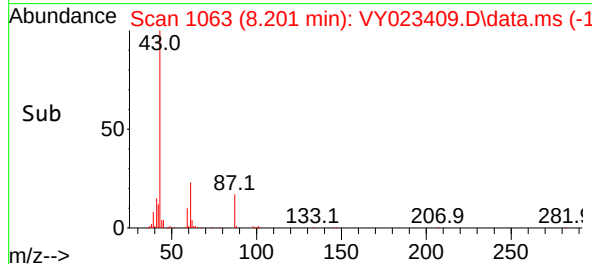
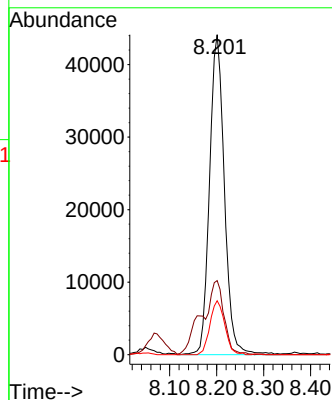
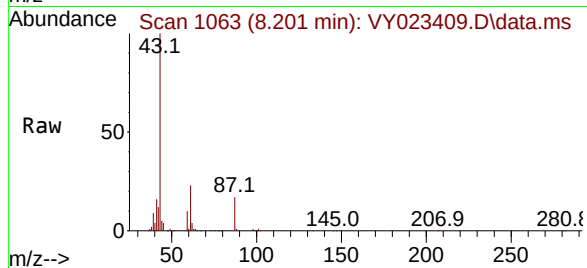
Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 43	Resp: 96508
Ion Ratio	Lower Upper
43 100	
61 22.3	18.1 27.1
87 16.8	13.5 20.3

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

#44

Trichloroethene

Concen: 20.173 ug/l

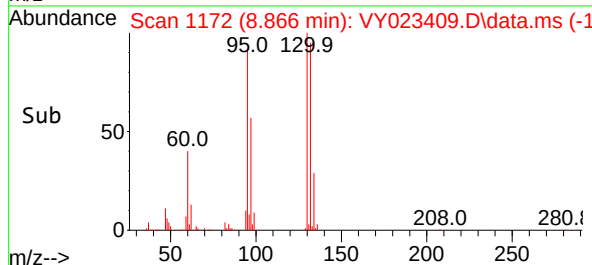
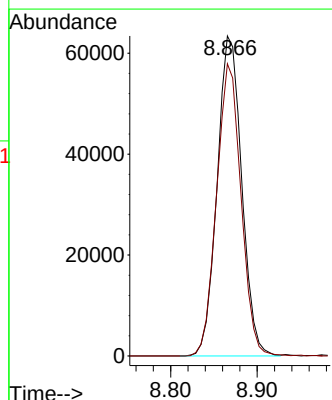
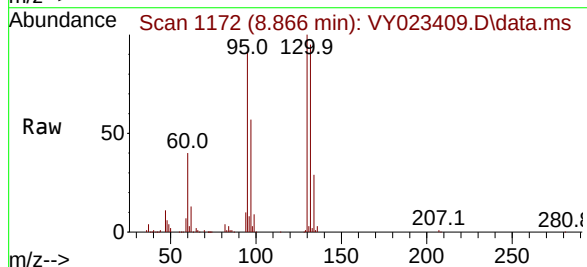
RT: 8.866 min Scan# 1172

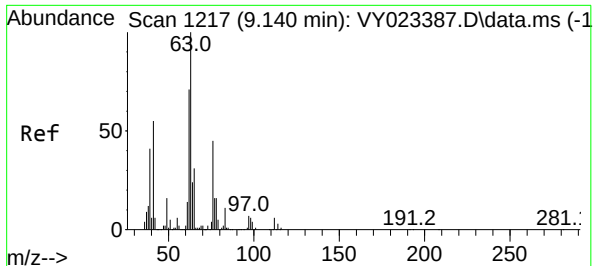
Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Tgt Ion:130	Resp: 125009
Ion Ratio	Lower Upper
130 100	
95 91.3	0.0 180.6





#45

1,2-Dichloropropane

Concen: 20.582 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 63 Resp: 9624

Ion Ratio Lower Upper

63 100

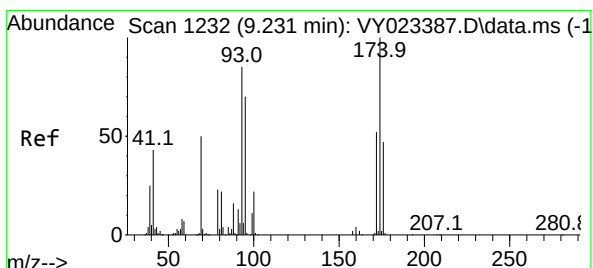
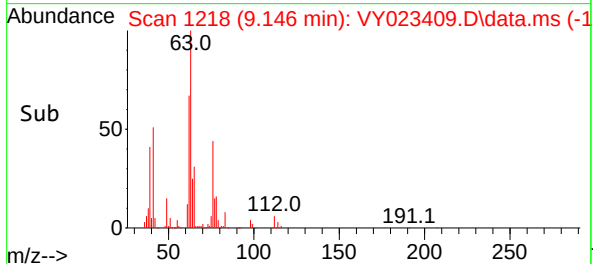
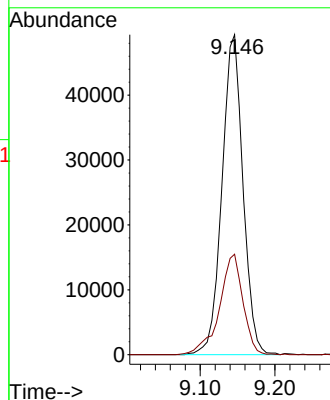
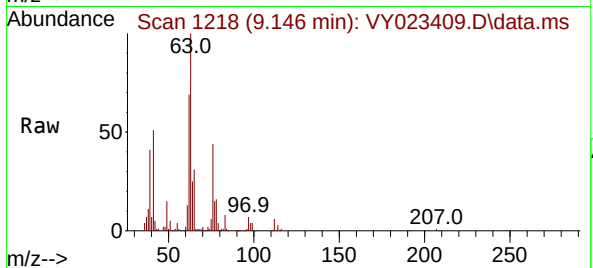
65 31.4 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#46

Dibromomethane

Concen: 19.746 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

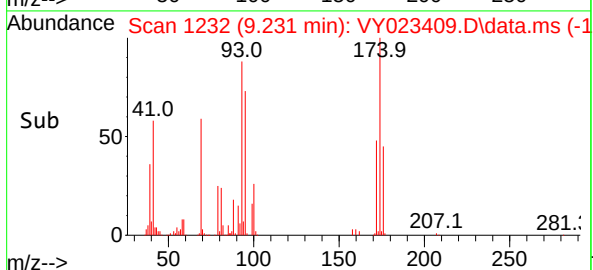
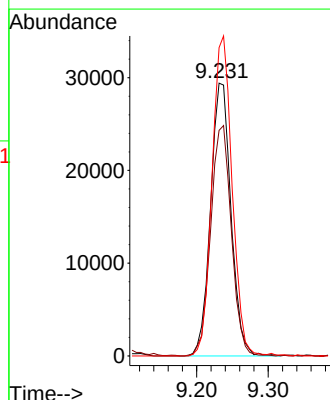
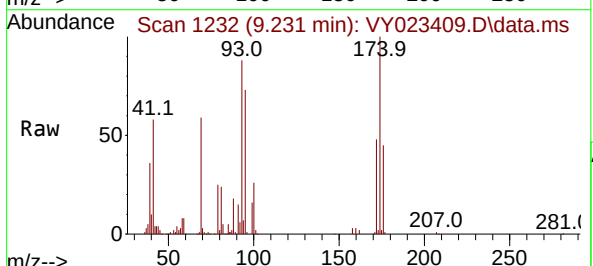
Tgt Ion: 93 Resp: 58388

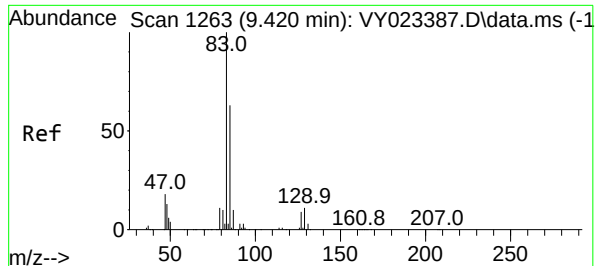
Ion Ratio Lower Upper

93 100

95 85.4 65.4 98.0

174 115.1 92.9 139.3





#47

Bromodichloromethane

Concen: 20.033 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

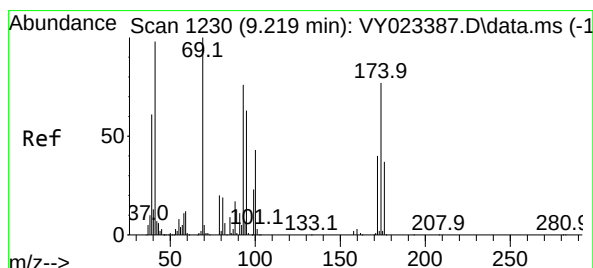
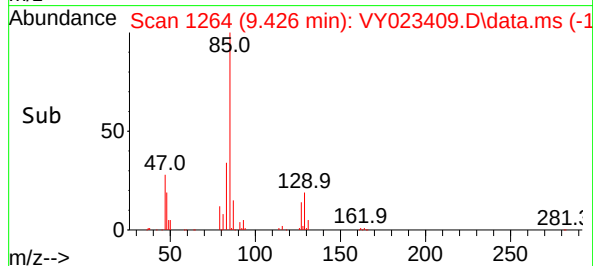
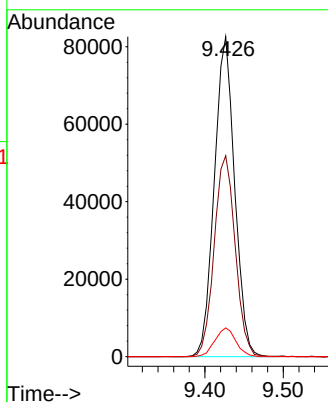
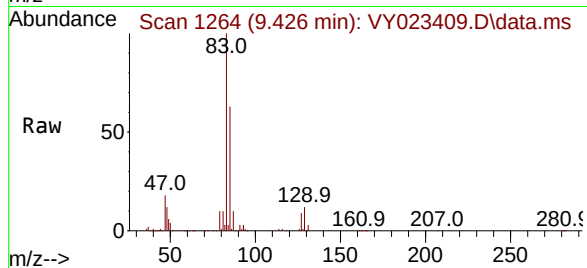
VY1009SBS01

Tgt Ion:	83	Resp:	14919
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.8	76.2
127	9.0	7.4	11.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

Concen: 17.242 ug/l

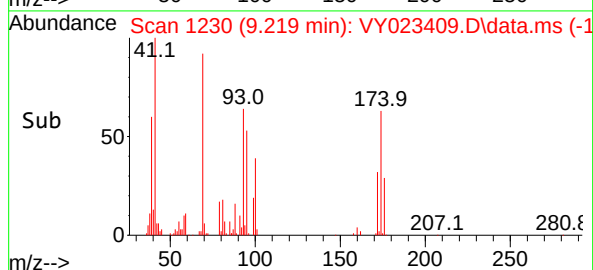
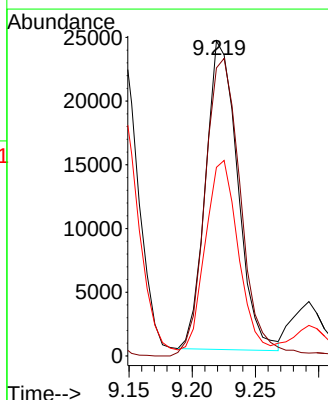
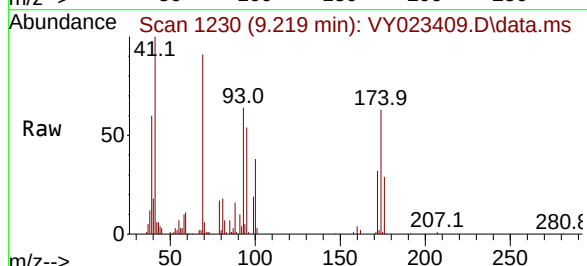
RT: 9.219 min Scan# 1230

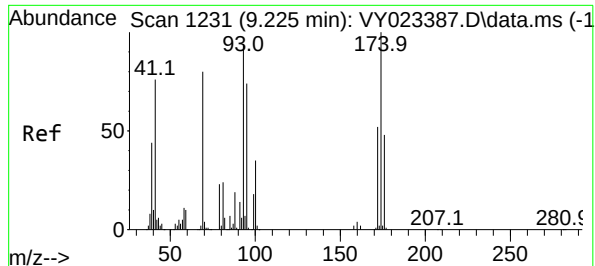
Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Tgt Ion:	41	Resp:	42780
Ion Ratio	Lower	Upper	
41	100		
69	107.7	81.0	121.4
39	62.4	48.2	72.4





#49

1,4-Dioxane

Concen: 357.190 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 88 Resp: 12240

Ion Ratio Lower Upper

88 100

43 28.8 21.8 32.8

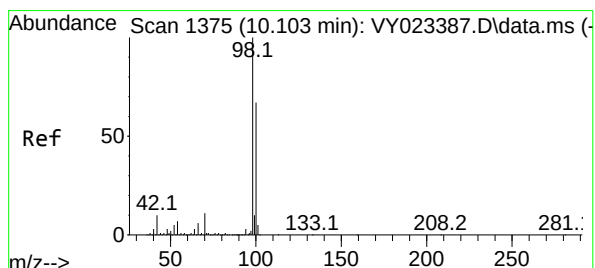
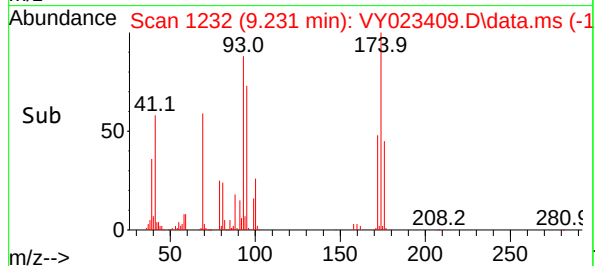
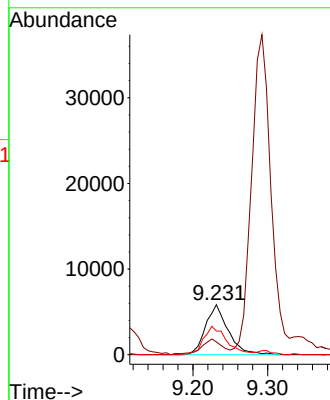
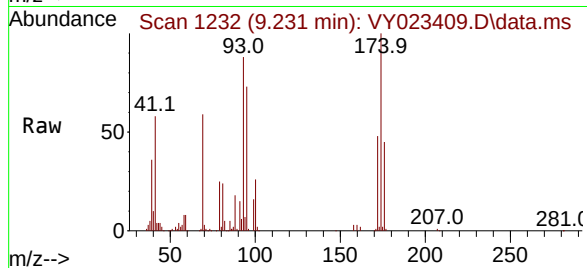
58 58.1 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#50

Toluene-d8

Concen: 47.870 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023409.D

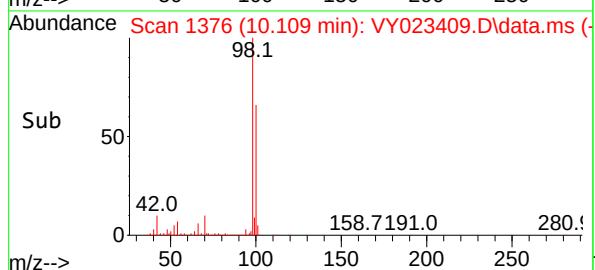
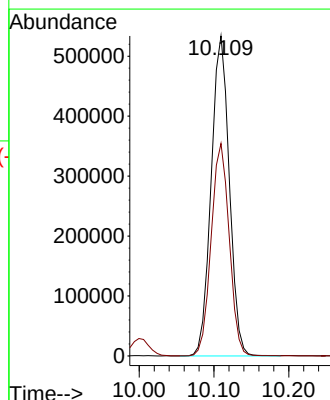
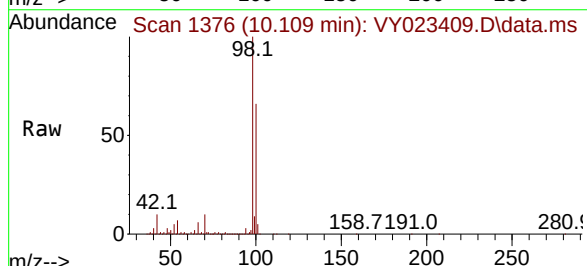
Acq: 09 Oct 2025 09:45

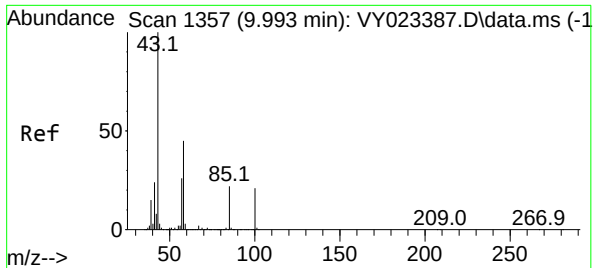
Tgt Ion: 98 Resp: 900230

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4





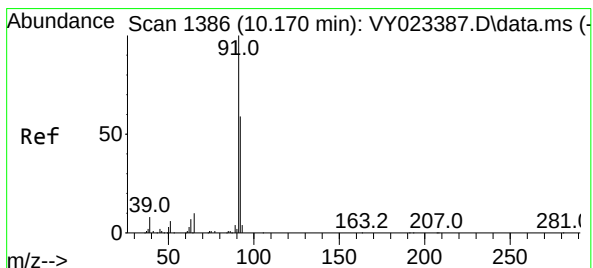
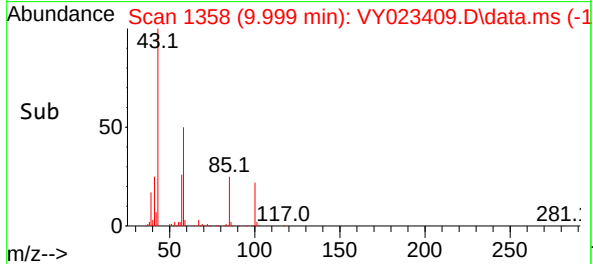
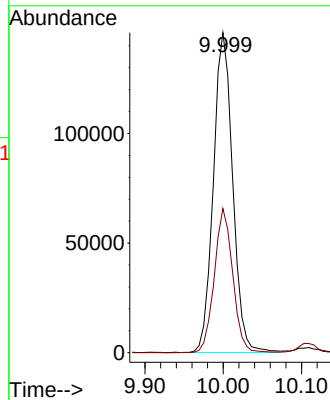
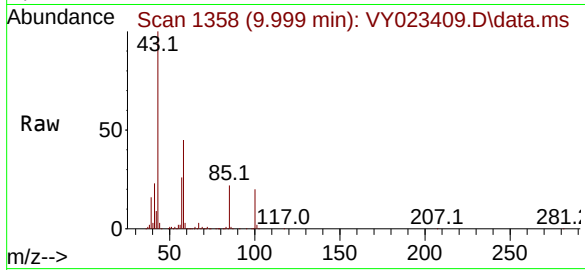
#51
4-Methyl-2-Pentanone
Concen: 91.743 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion: 43 Resp: 250333
Ion Ratio Lower Upper
43 100
58 43.1 35.3 52.9

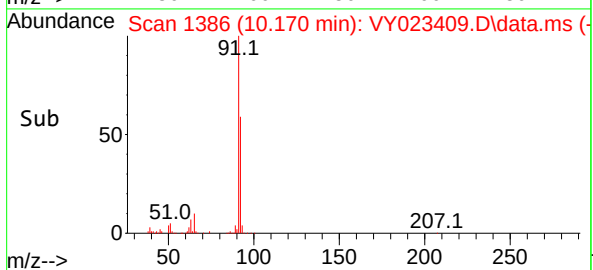
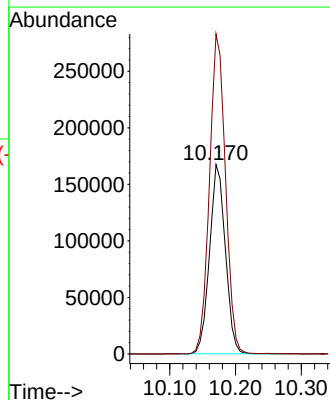
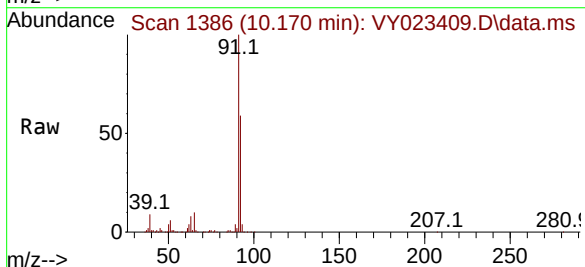
Manual Integrations
APPROVED

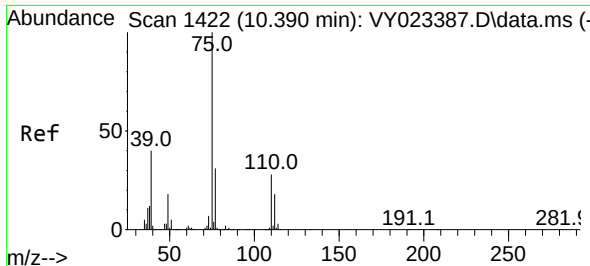
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#52
Toluene
Concen: 20.376 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Tgt Ion: 92 Resp: 280105
Ion Ratio Lower Upper
92 100
91 171.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.844 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 75 Resp: 12202

Ion Ratio Lower Upper

75 100

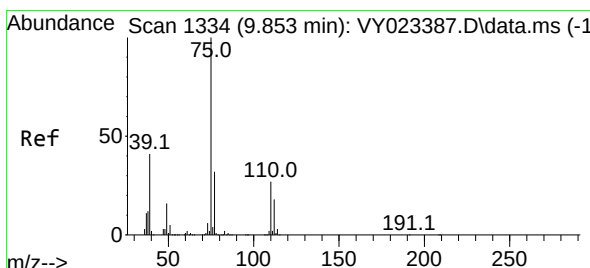
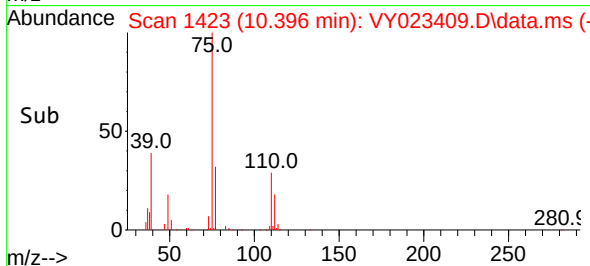
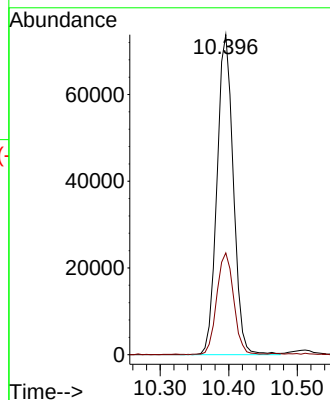
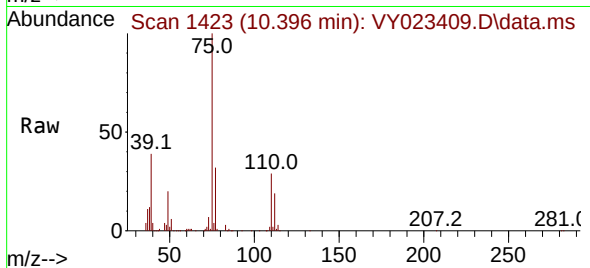
77 31.7 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#54

cis-1,3-Dichloropropene

Concen: 19.607 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

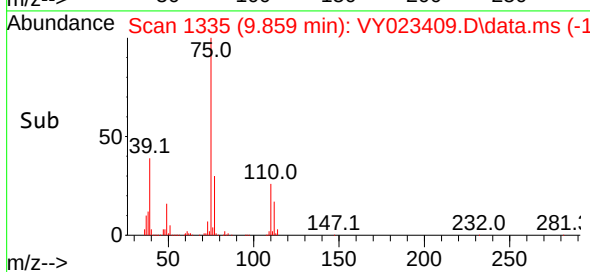
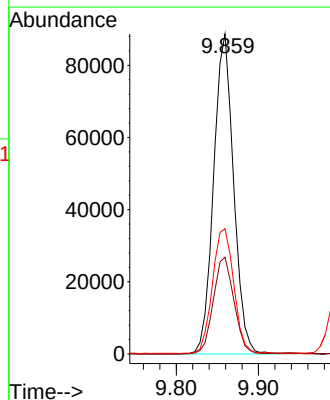
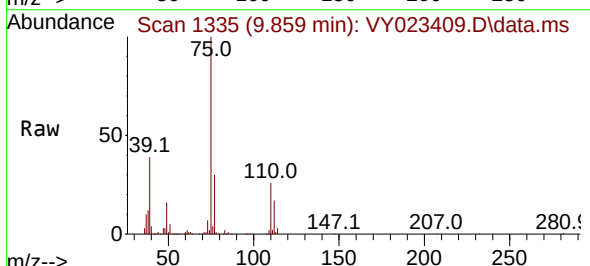
Tgt Ion: 75 Resp: 149849

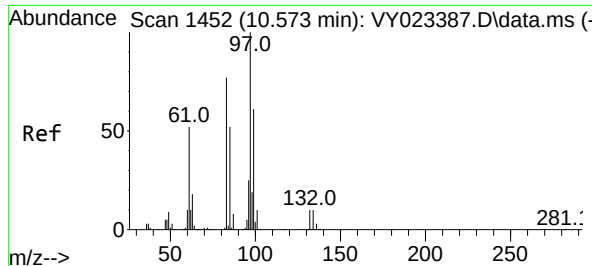
Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0

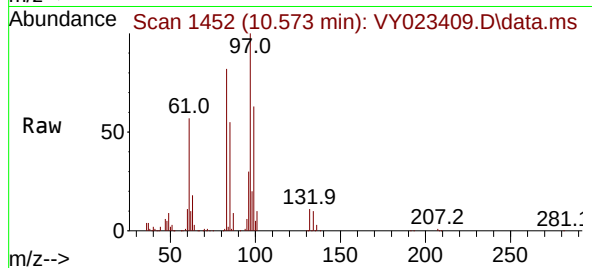
39 39.0 32.8 49.2





#55
1,1,2-Trichloroethane
Concen: 19.541 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

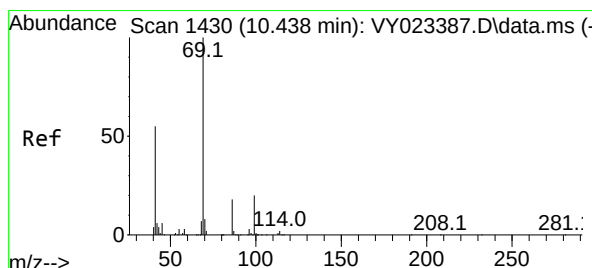
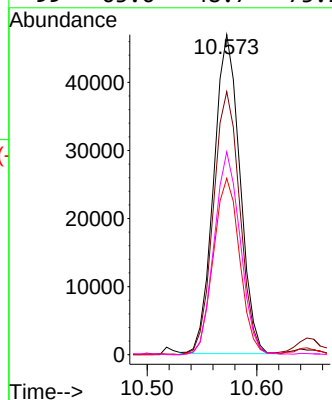
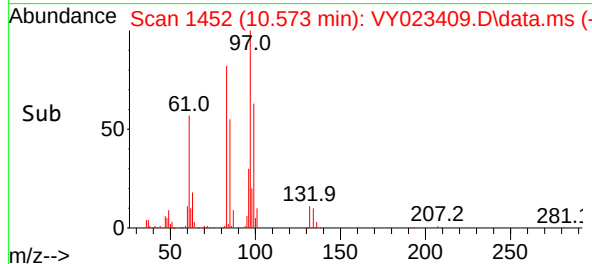
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	61.8	92.6
85	55.3	41.3	61.9
99	63.6	48.7	73.1

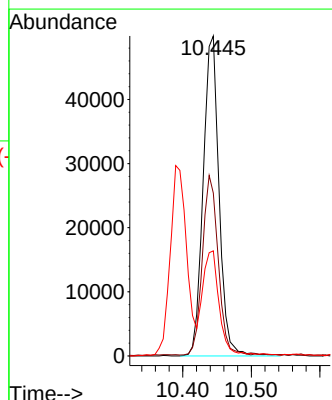
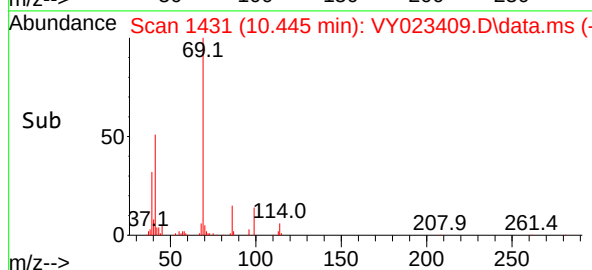
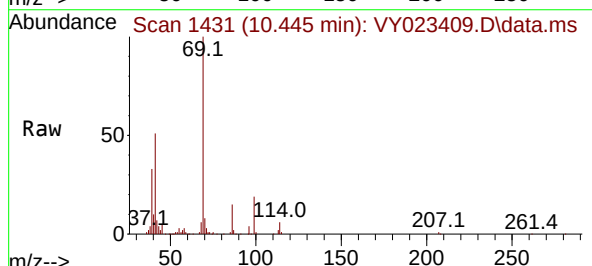
Manual Integrations
APPROVED

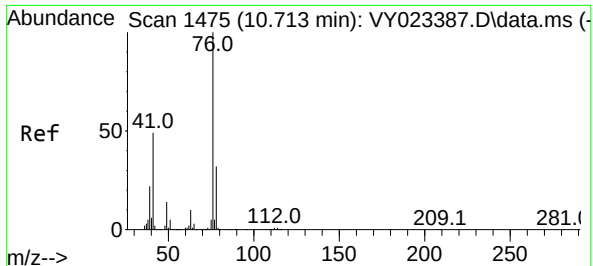
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#56
Ethyl methacrylate
Concen: 17.609 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	55.4	44.6	67.0
39	33.0	27.0	40.4





#57

1,3-Dichloropropane

Concen: 19.631 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 76 Resp: 123698

Ion Ratio Lower Upper

76 100

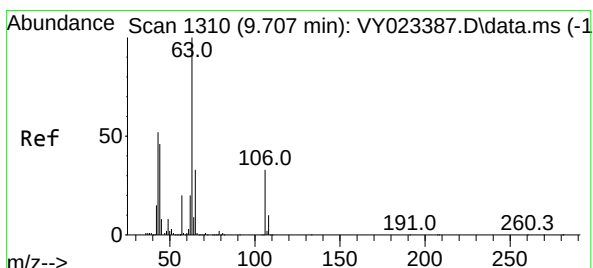
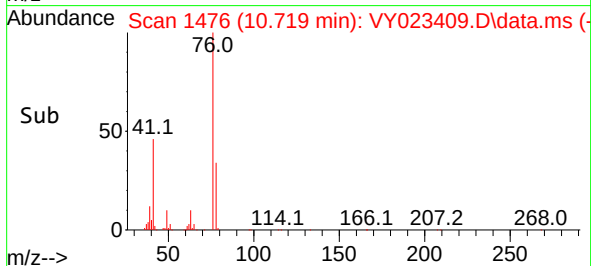
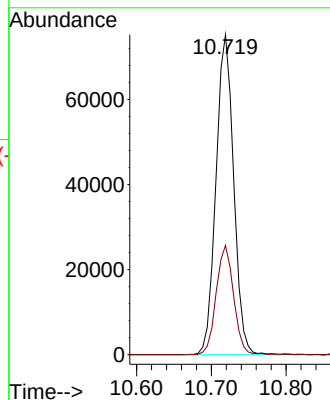
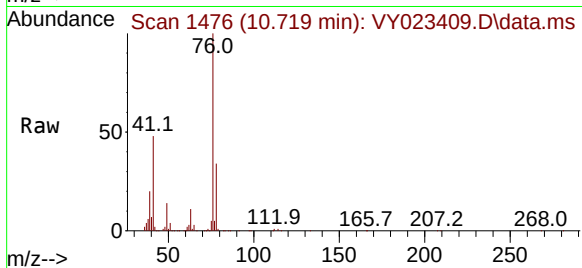
78 33.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#58

2-Chloroethyl Vinyl ether

Concen: 88.669 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023409.D

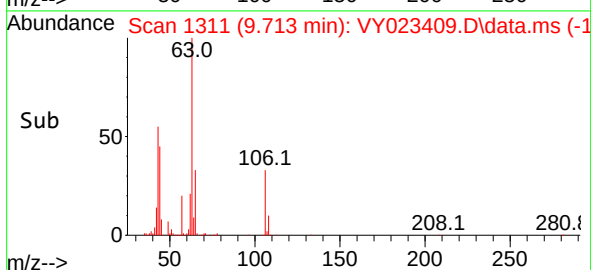
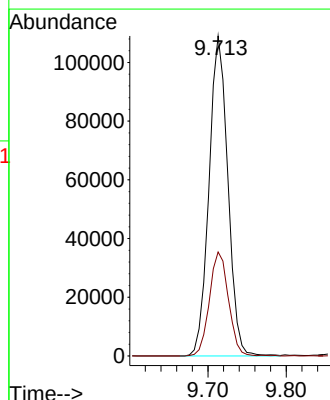
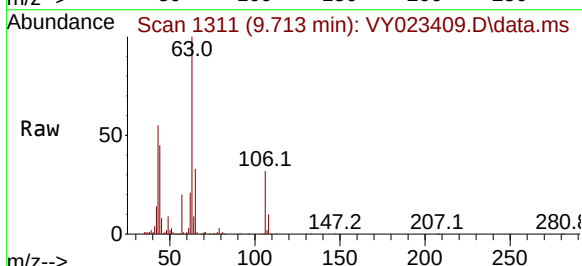
Acq: 09 Oct 2025 09:45

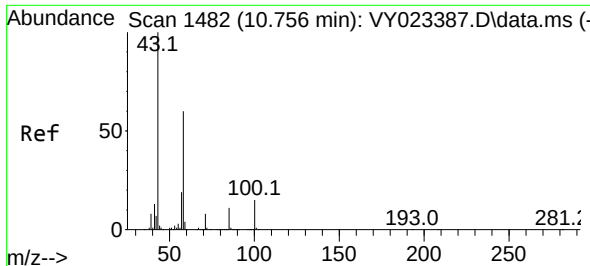
Tgt Ion: 63 Resp: 182196

Ion Ratio Lower Upper

63 100

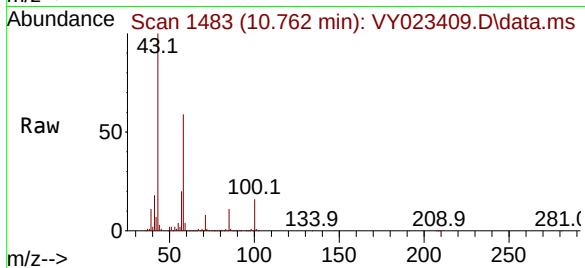
106 32.8 26.6 39.8





#59
2-Hexanone
Concen: 101.063 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

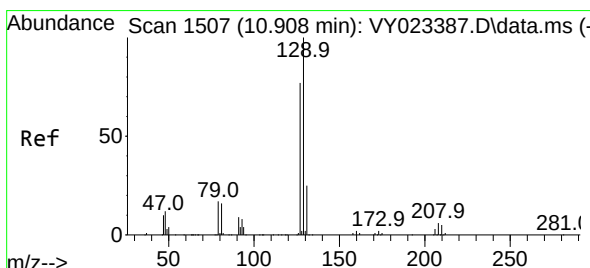
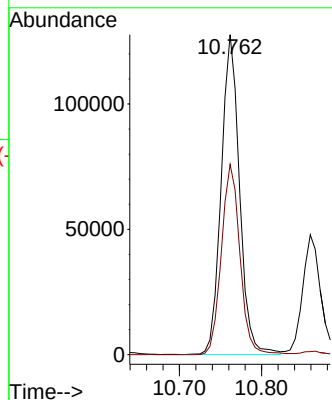
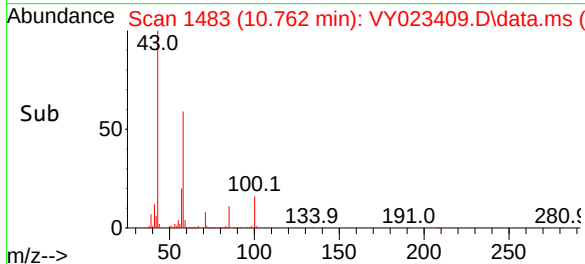
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



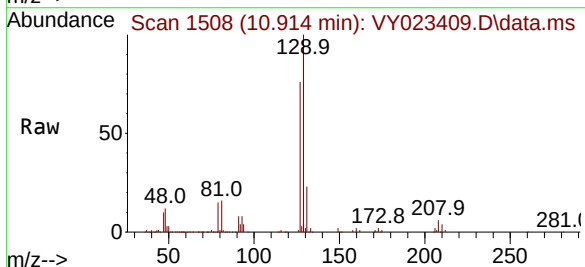
Tgt Ion: 43 Resp: 197074
Ion Ratio Lower Upper
43 100
58 60.5 30.5 91.5

Manual Integrations
APPROVED

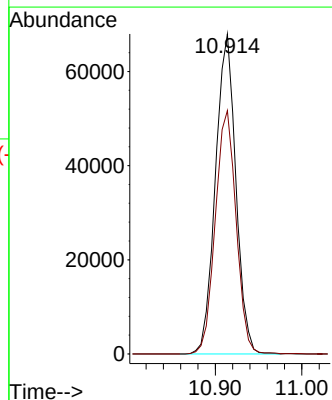
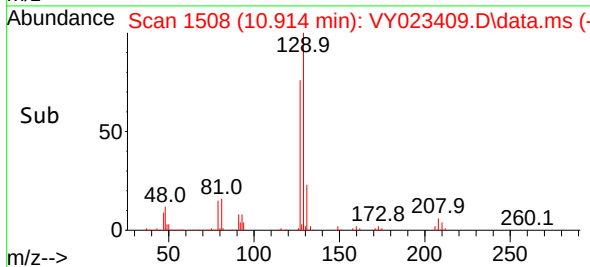
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

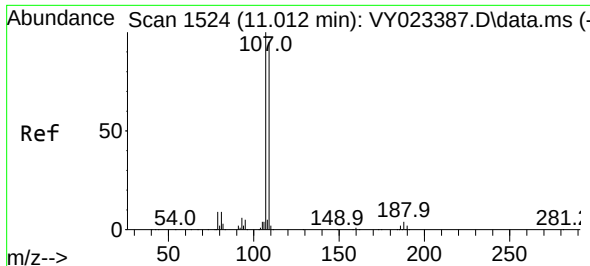


#60
Dibromochloromethane
Concen: 19.945 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



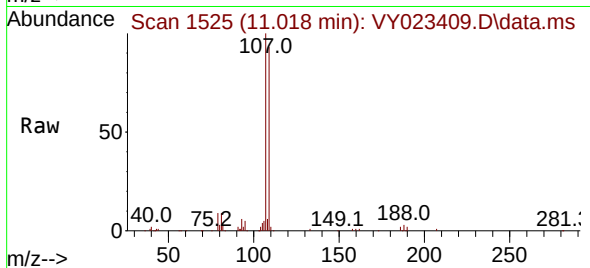
Tgt Ion:129 Resp: 111195
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.7





#61
1,2-Dibromoethane
Concen: 19.363 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

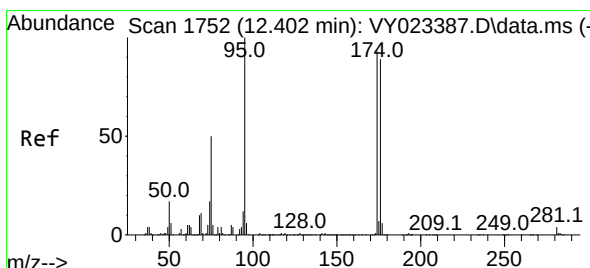
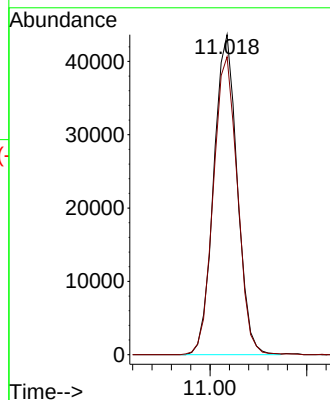
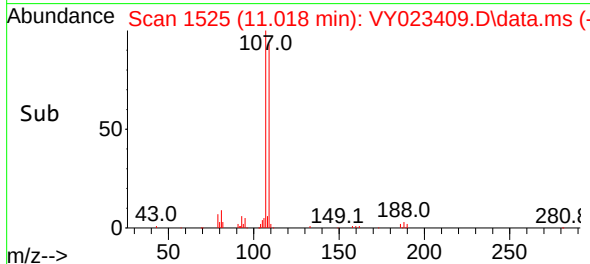
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion:107 Resp: 73429
Ion Ratio Lower Upper
107 100
109 95.6 76.1 114.1

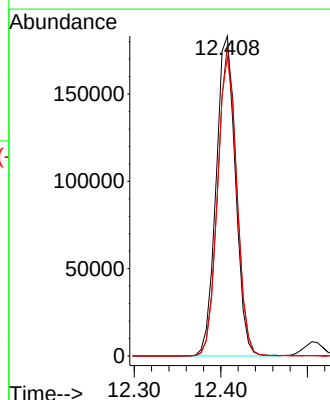
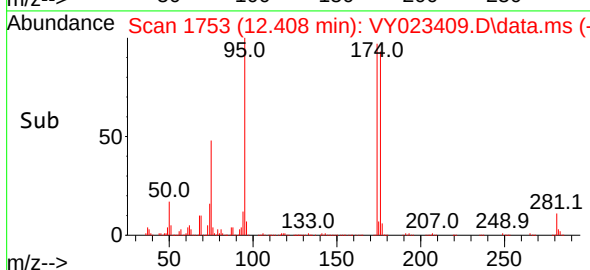
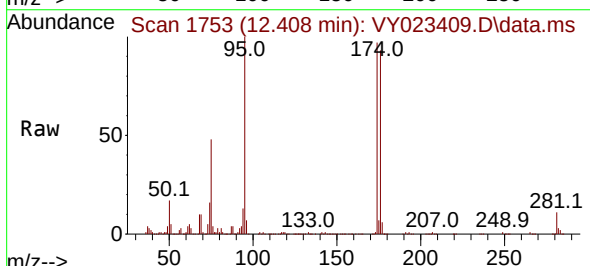
Manual Integrations
APPROVED

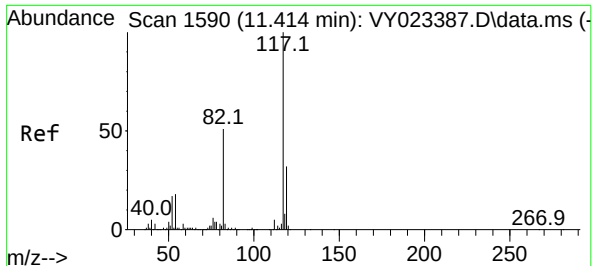
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#62
4-Bromofluorobenzene
Concen: 45.979 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

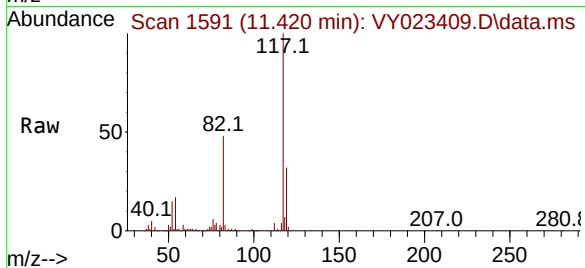
Tgt Ion: 95 Resp: 285471
Ion Ratio Lower Upper
95 100
174 95.1 0.0 192.8
176 92.8 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

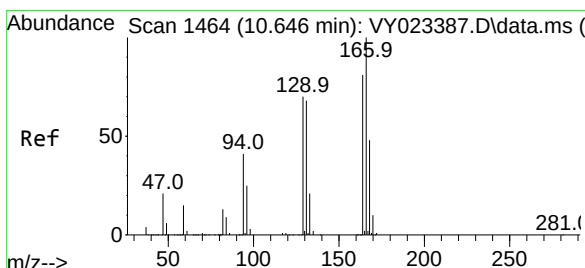
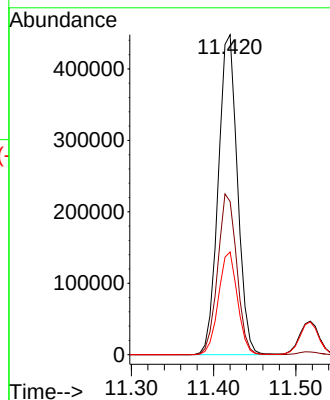
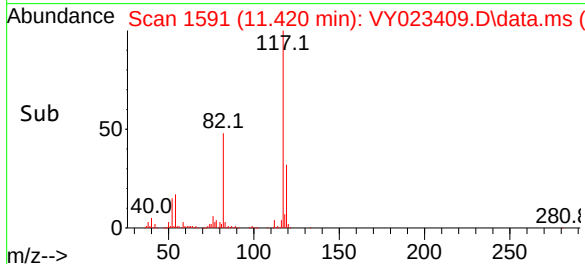
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



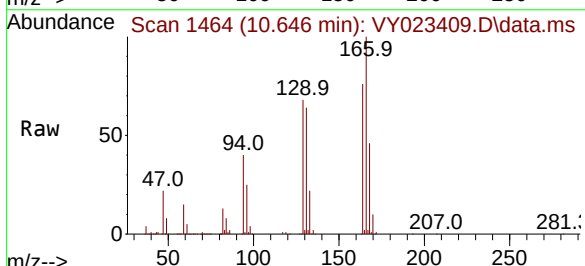
Tgt Ion:117 Resp: 727518
Ion Ratio Lower Upper
117 100
82 47.8 41.0 61.4
119 32.1 25.6 38.4

Manual Integrations
APPROVED

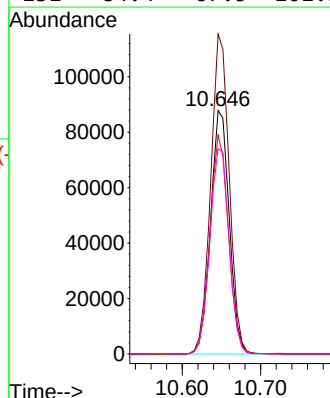
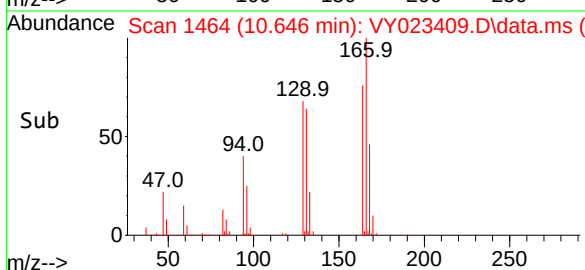
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

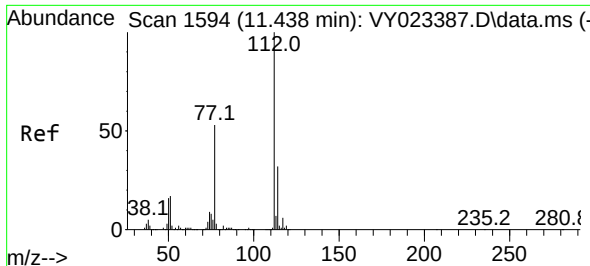


#64
Tetrachloroethene
Concen: 19.382 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



Tgt Ion:164 Resp: 145594
Ion Ratio Lower Upper
164 100
166 131.5 99.4 149.0
129 89.9 69.4 104.2
131 84.4 67.5 101.3





#65

Chlorobenzene

Concen: 19.845 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:112 Resp: 314010

Ion Ratio Lower Upper

112 100

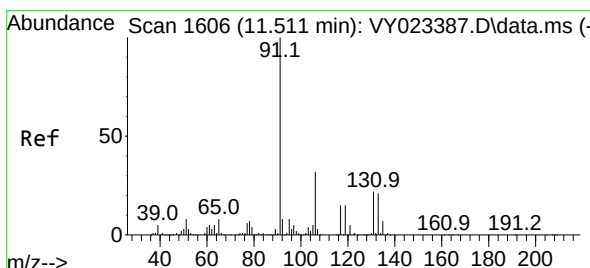
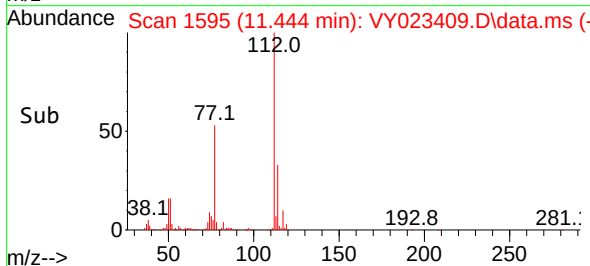
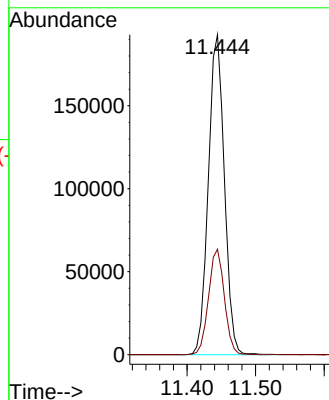
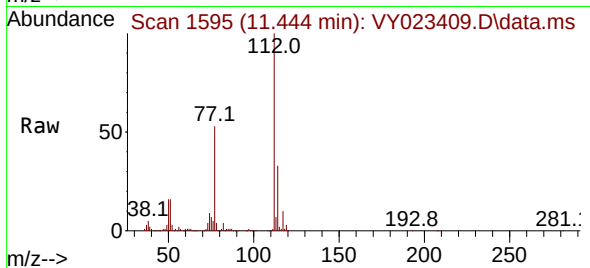
114 32.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.715 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

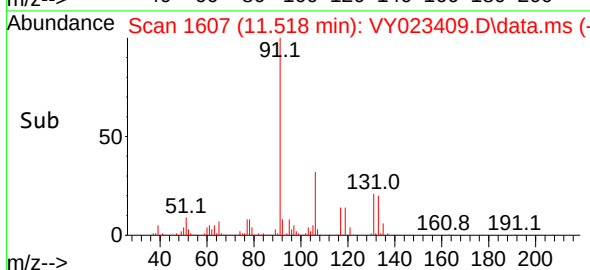
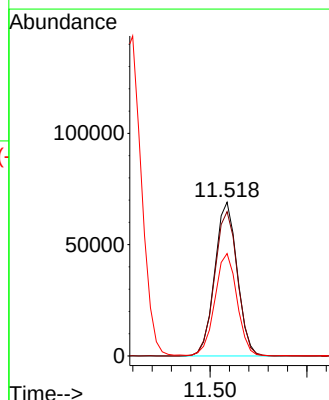
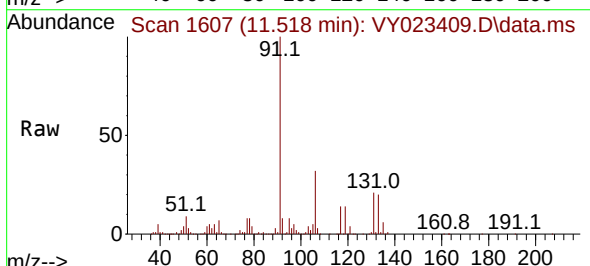
Tgt Ion:131 Resp: 111165

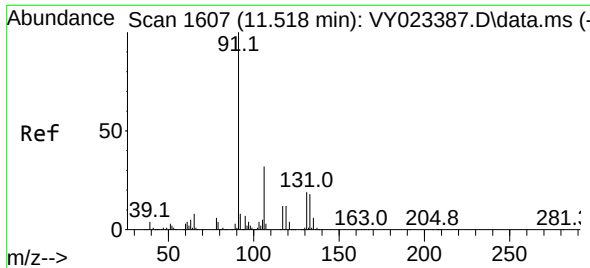
Ion Ratio Lower Upper

131 100

133 96.3 48.4 145.2

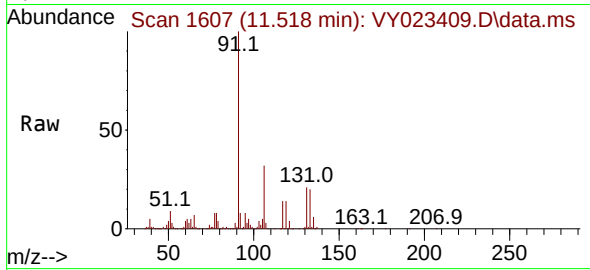
119 66.2 32.4 97.2





#67
Ethyl Benzene
Concen: 19.876 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

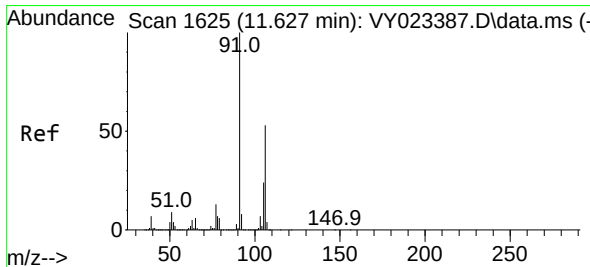
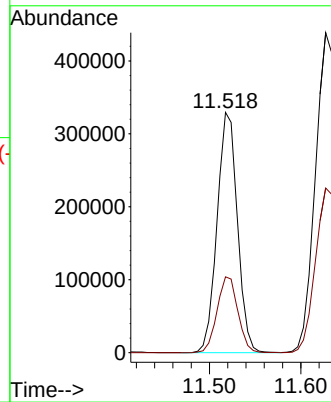
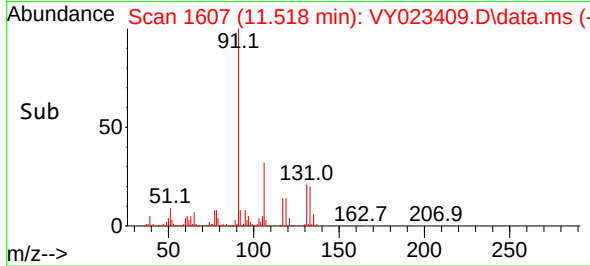
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



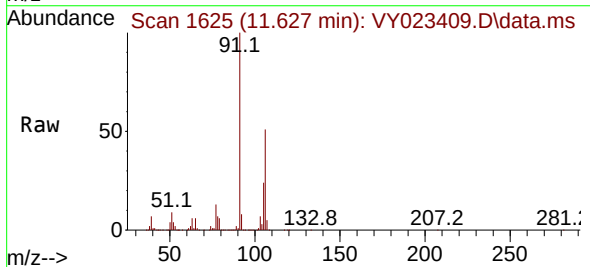
Tgt Ion: 91 Resp: 509085
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8

Manual Integrations
APPROVED

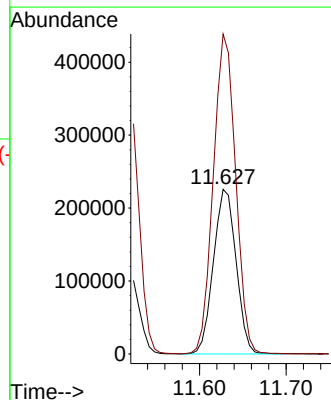
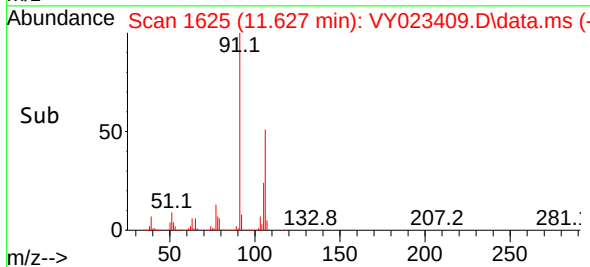
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

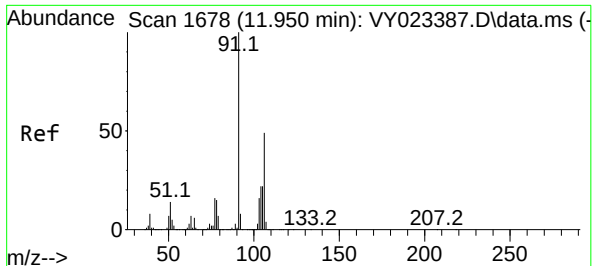


#68
m/p-Xylenes
Concen: 39.916 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



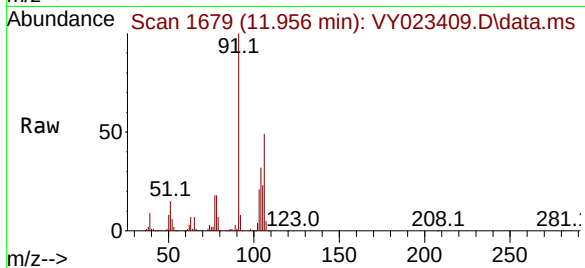
Tgt Ion:106 Resp: 410062
Ion Ratio Lower Upper
106 100
91 191.7 152.6 229.0





#69
o-Xylene
Concen: 19.581 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

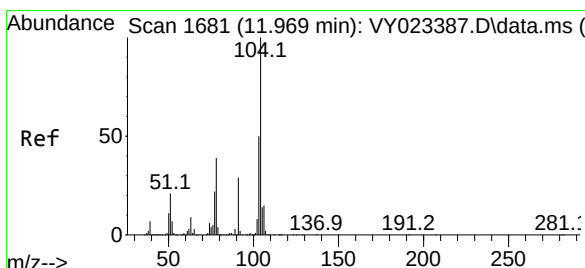
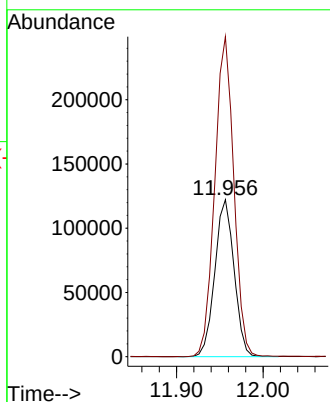
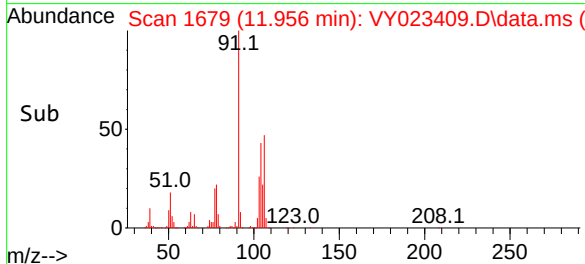
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion:106 Resp: 18868
Ion Ratio Lower Upper
106 100
91 201.8 101.4 304.1

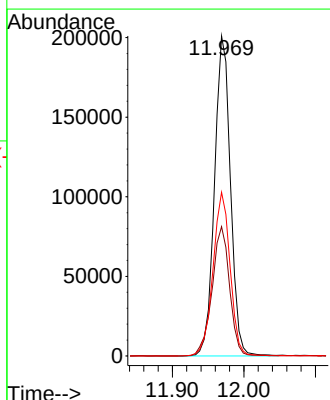
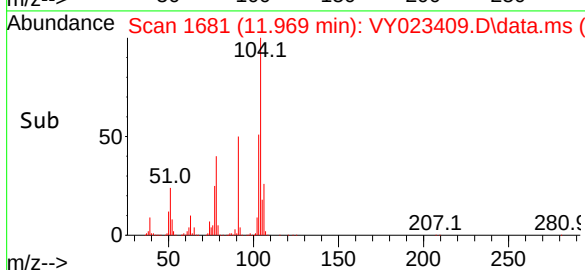
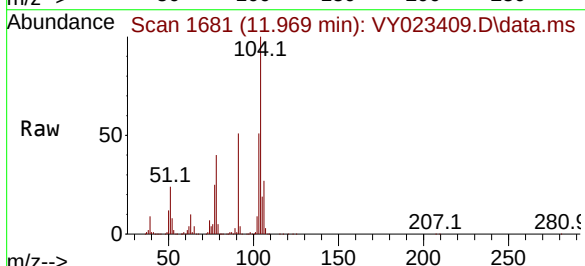
Manual Integrations
APPROVED

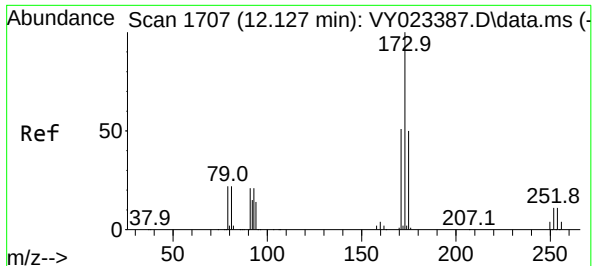
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#70
Styrene
Concen: 19.677 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

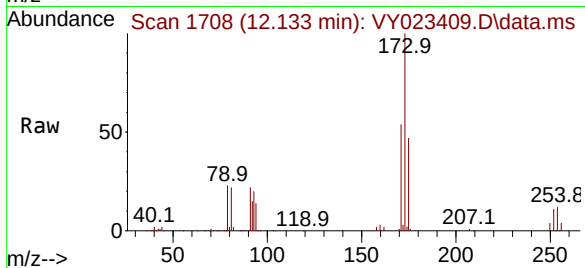
Tgt Ion:104 Resp: 311804
Ion Ratio Lower Upper
104 100
78 44.3 36.1 54.1
103 54.8 43.2 64.8





#71
Bromoform
Concen: 18.390 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

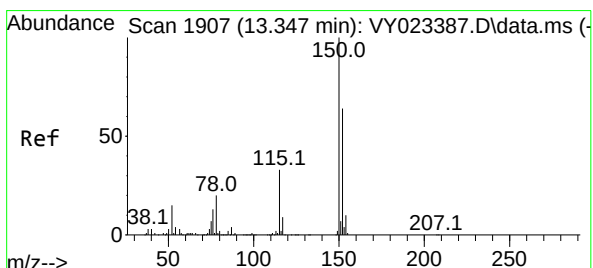
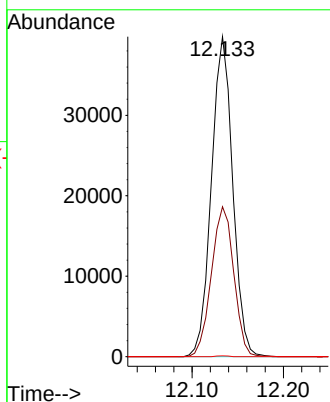
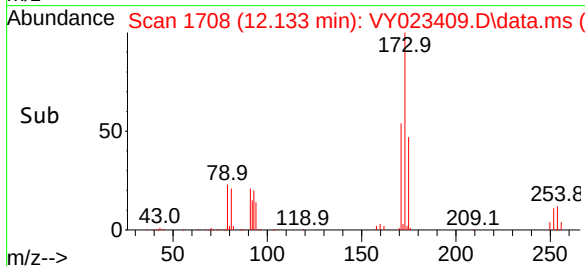
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



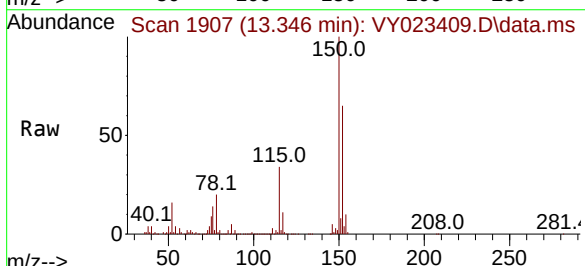
Tgt Ion:173 Resp: 6432
Ion Ratio Lower Upper
173 100
175 49.3 24.8 74.3
254 0.2 0.1 0.1

Manual Integrations
APPROVED

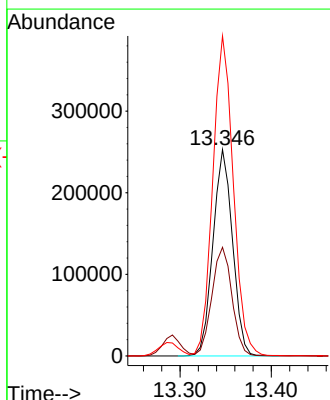
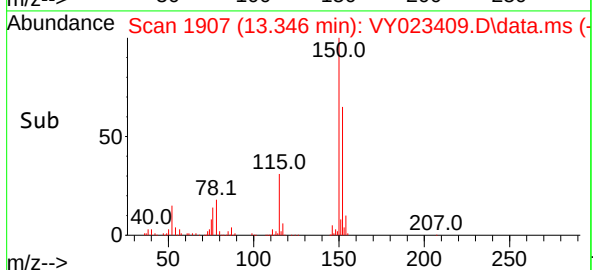
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

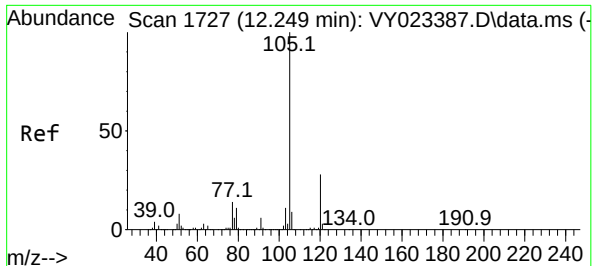


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



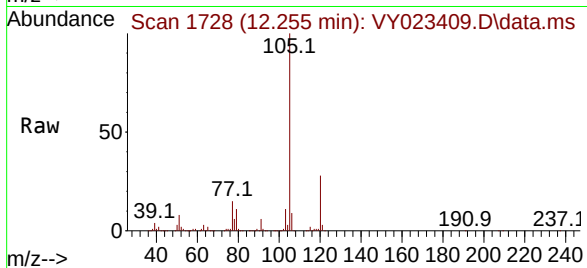
Tgt Ion:152 Resp: 376801
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.2
150 162.6 0.0 347.4





#73
Isopropylbenzene
Concen: 19.864 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

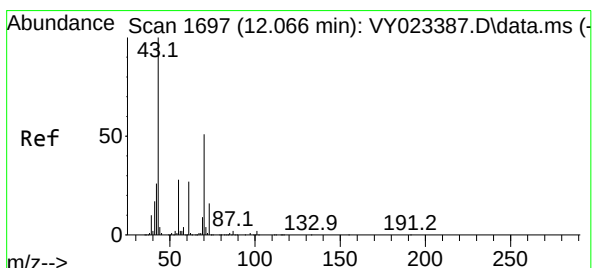
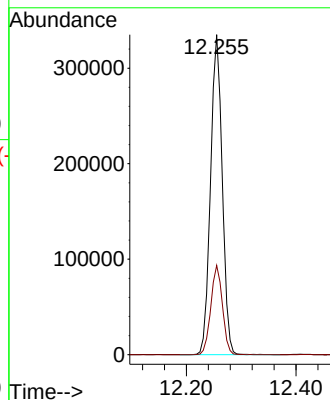
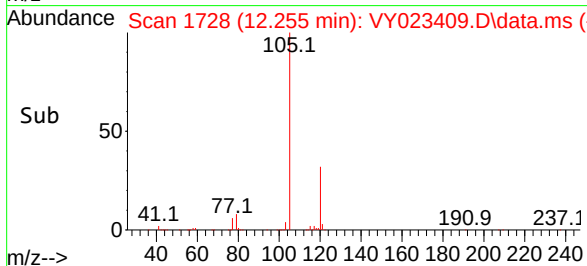
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



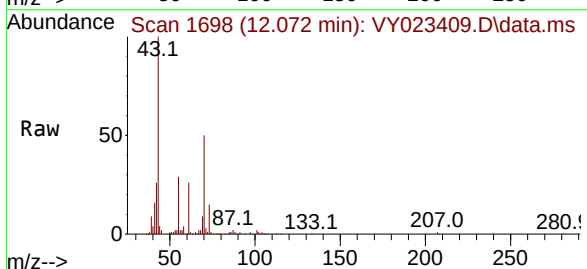
Tgt Ion:105 Resp: 493259
Ion Ratio Lower Upper
105 100
120 27.7 13.9 41.7

Manual Integrations
APPROVED

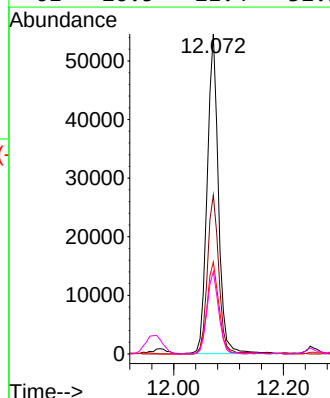
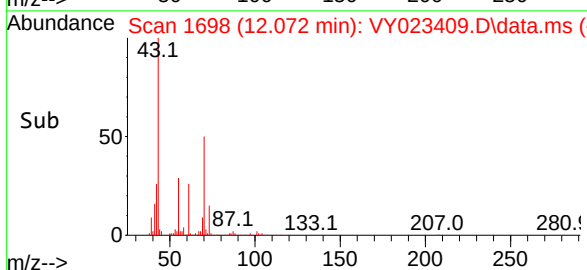
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

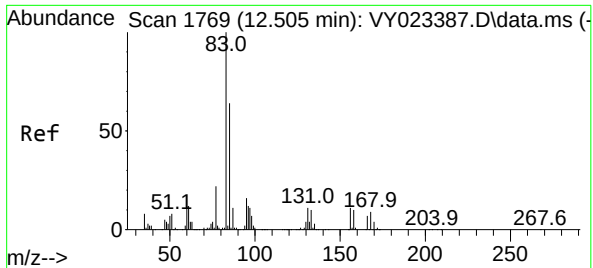


#74
N-ethyl acetate
Concen: 17.293 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



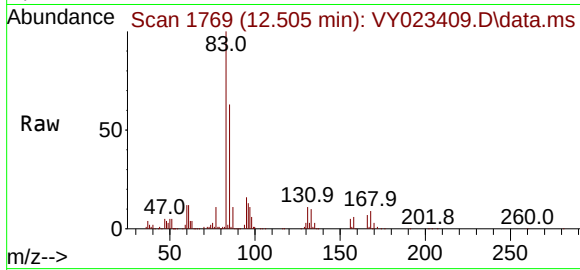
Tgt Ion: 43 Resp: 77131
Ion Ratio Lower Upper
43 100
70 50.2 41.1 61.7
55 30.3 23.0 34.6
61 26.5 21.4 32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.352 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

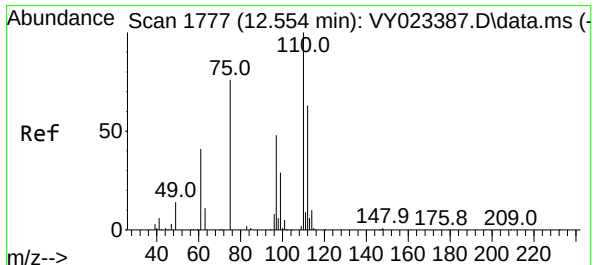
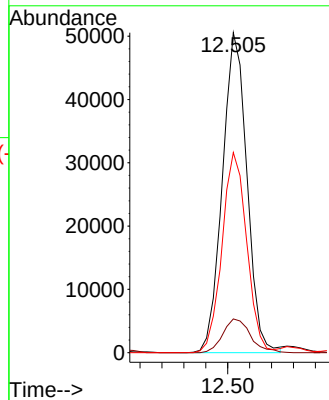
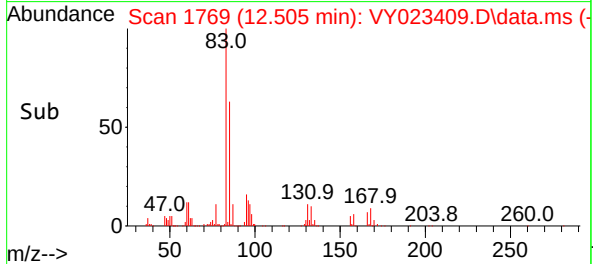
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



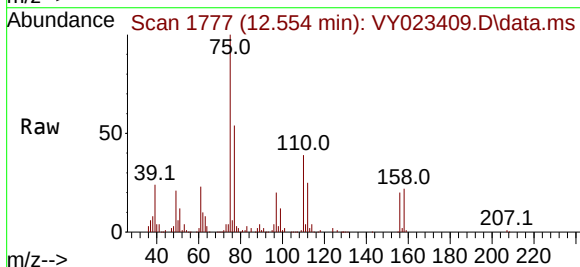
Tgt Ion: 83 Resp: 78590
Ion Ratio Lower Upper
83 100
131 11.8 5.9 17.6
85 62.8 31.8 95.3

Manual Integrations
APPROVED

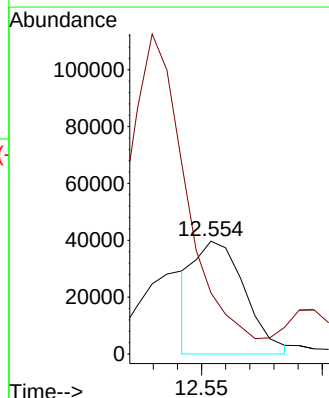
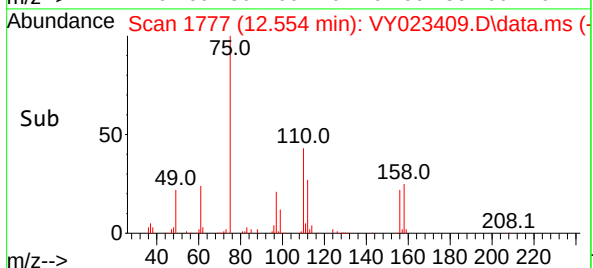
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

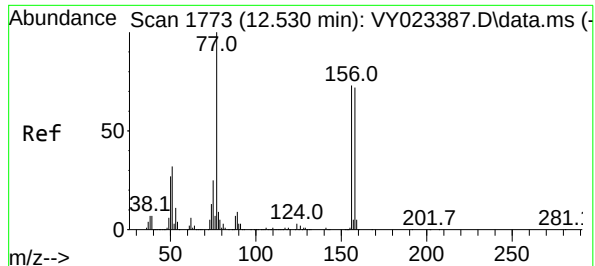


#76
1,2,3-Trichloropropane
Concen: 17.456 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



Tgt Ion: 75 Resp: 58029
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.376 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:156 Resp: 127908

Ion Ratio Lower Upper

156 100

77 151.3 76.8 230.5

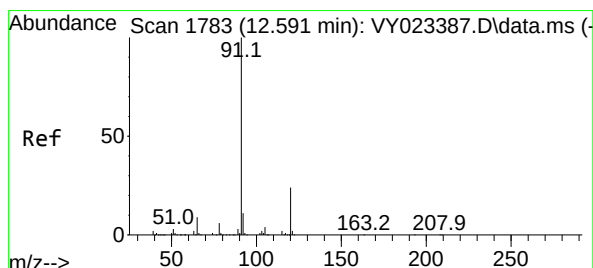
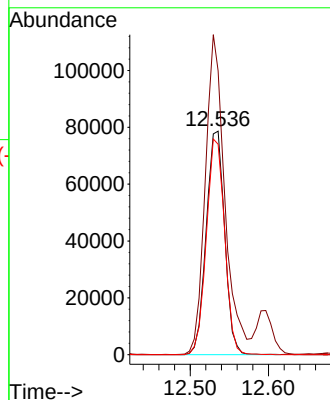
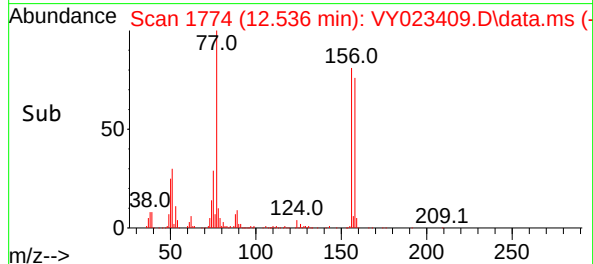
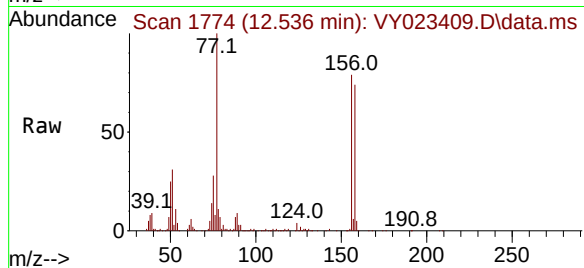
158 96.2 49.0 147.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#78

n-propylbenzene

Concen: 20.212 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023409.D

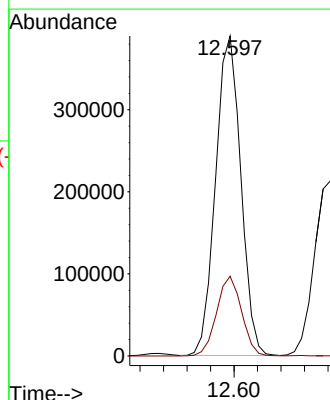
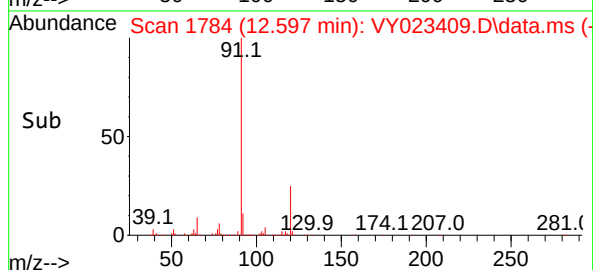
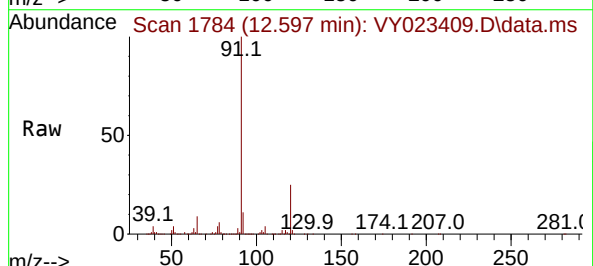
Acq: 09 Oct 2025 09:45

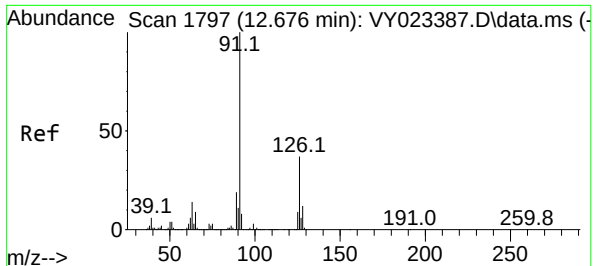
Tgt Ion: 91 Resp: 580789

Ion Ratio Lower Upper

91 100

120 24.7 12.3 36.8





#79

2-Chlorotoluene

Concen: 19.909 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 91 Resp: 335010

Ion Ratio Lower Upper

91 100

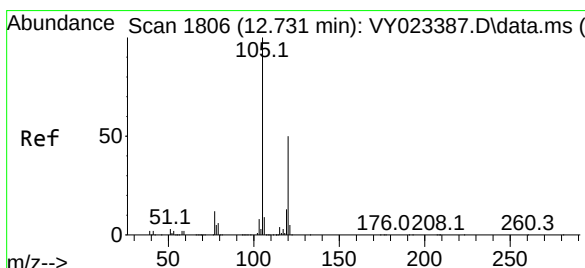
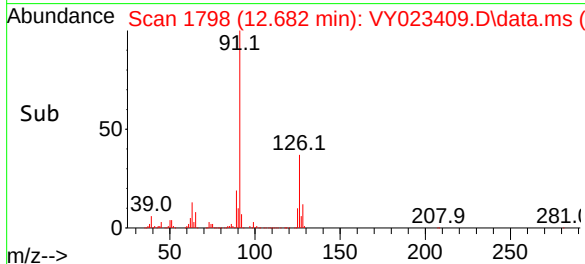
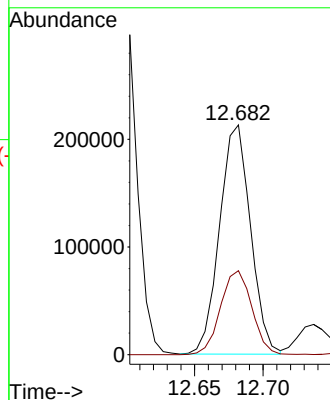
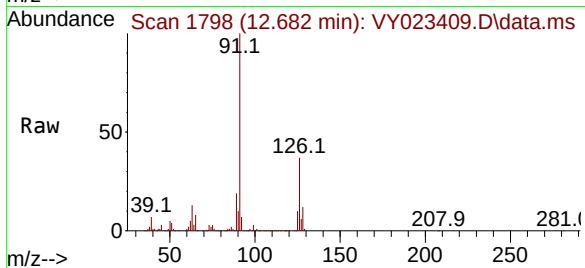
126 37.1 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.082 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023409.D

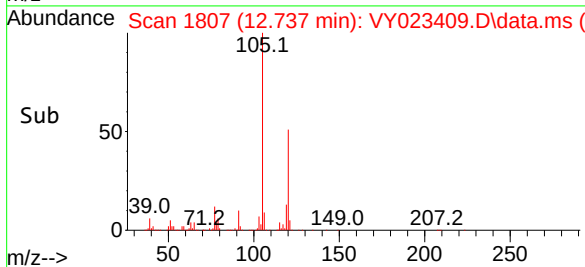
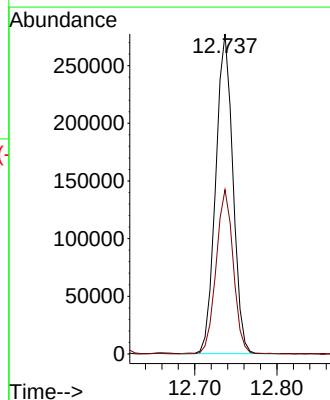
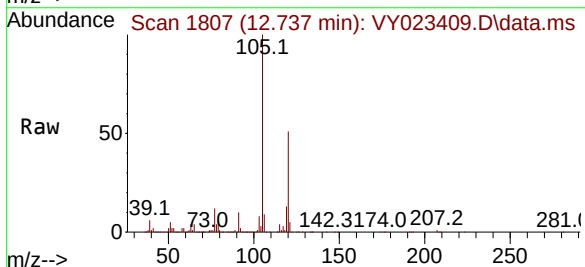
Acq: 09 Oct 2025 09:45

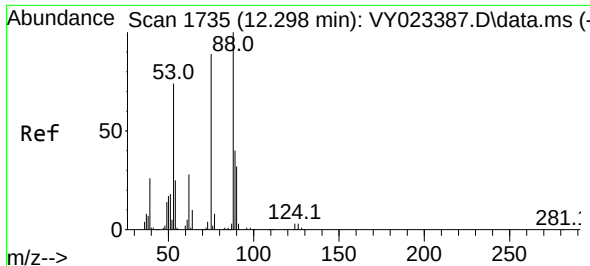
Tgt Ion:105 Resp: 402952

Ion Ratio Lower Upper

105 100

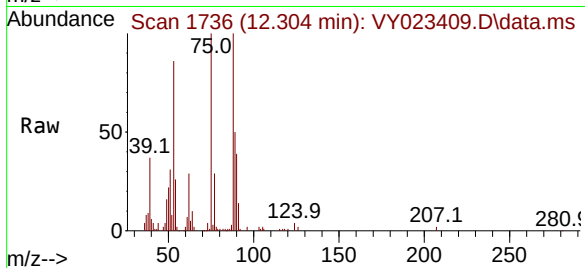
120 51.3 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.150 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

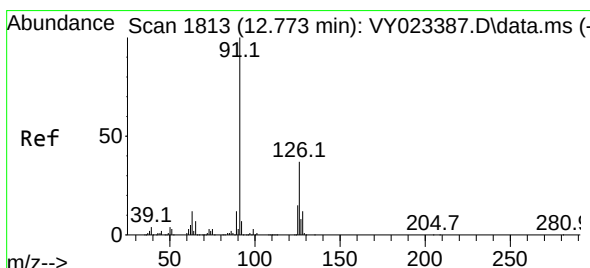
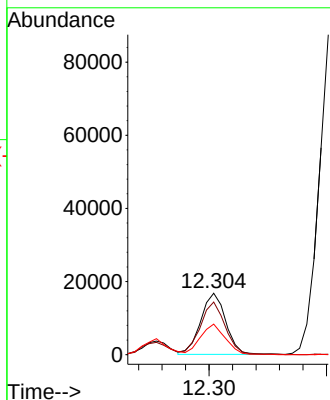
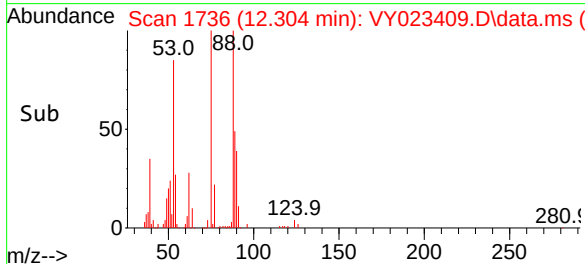
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion: 75 Resp: 2460
Ion Ratio Lower Upper
75 100
53 85.3 68.6 102.8
89 49.8 39.0 58.4

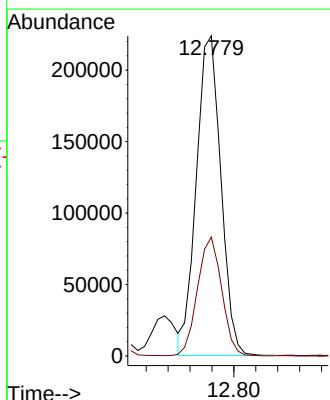
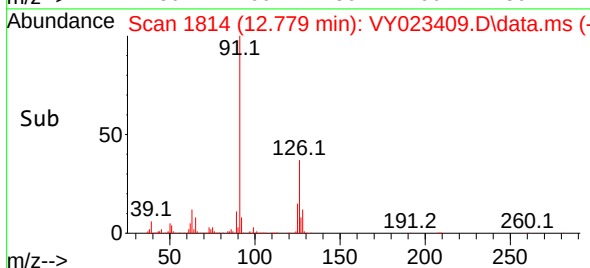
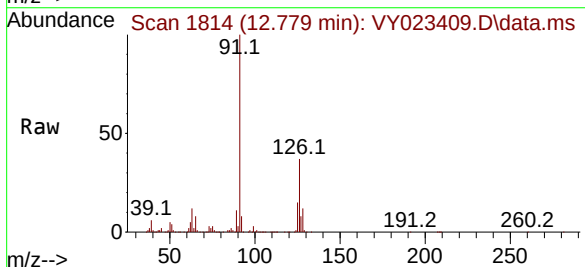
Manual Integrations
APPROVED

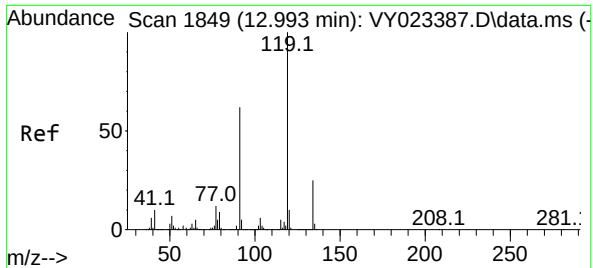
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#82
4-Chlorotoluene
Concen: 20.080 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

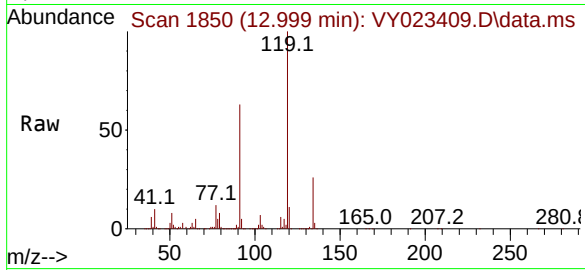
Tgt Ion: 91 Resp: 347982
Ion Ratio Lower Upper
91 100
126 36.6 18.4 55.4





#83
tert-Butylbenzene
Concen: 19.582 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

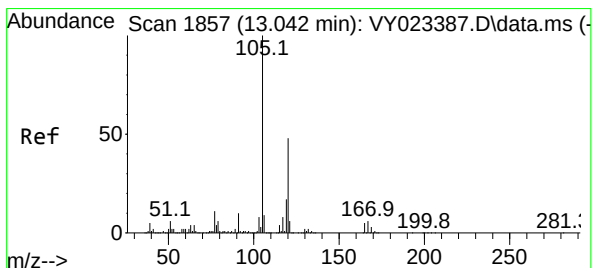
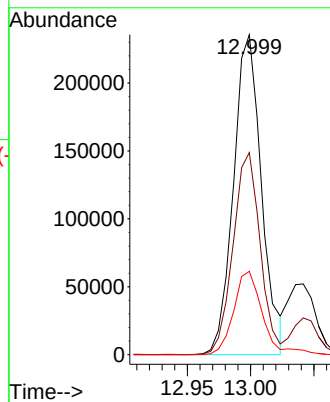
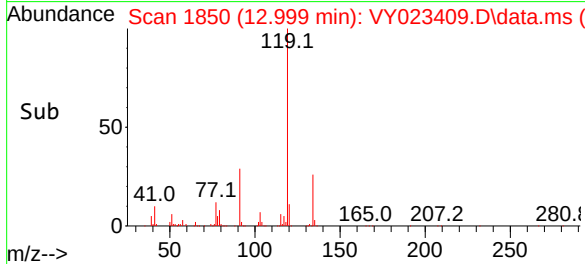
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion:119 Resp: 362790
Ion Ratio Lower Upper
119 100
91 61.1 29.9 89.8
134 26.9 12.9 38.7

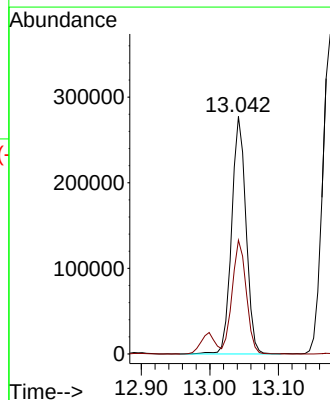
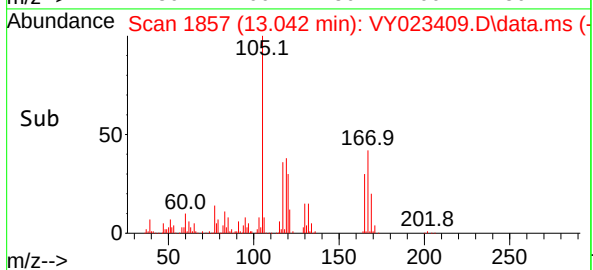
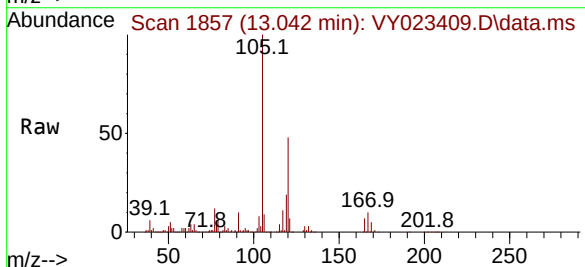
Manual Integrations
APPROVED

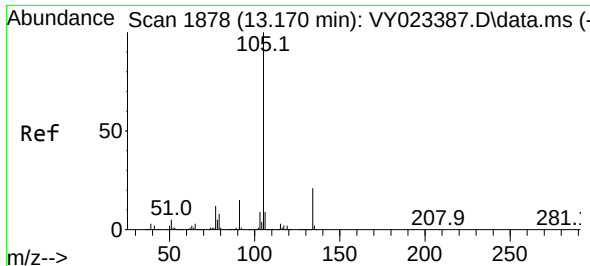
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.139 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

Tgt Ion:105 Resp: 403304
Ion Ratio Lower Upper
105 100
120 47.1 23.8 71.2





#85

sec-Butylbenzene

Concen: 20.186 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:105 Resp: 53648

Ion Ratio Lower Upper

105 100

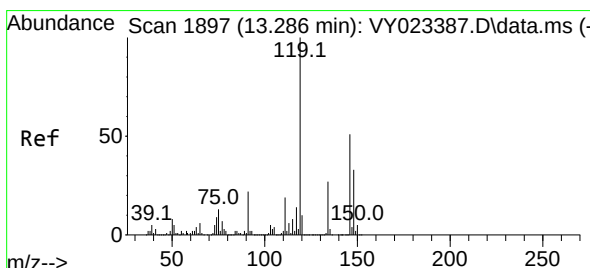
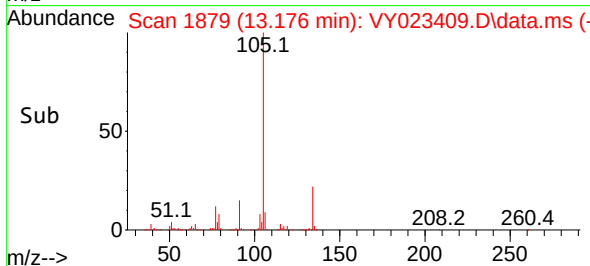
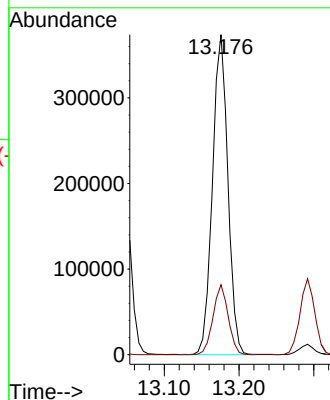
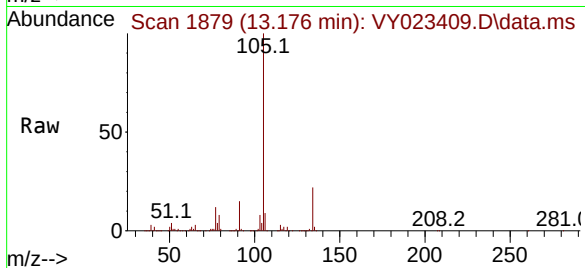
134 21.5 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#86

p-Isopropyltoluene

Concen: 20.143 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

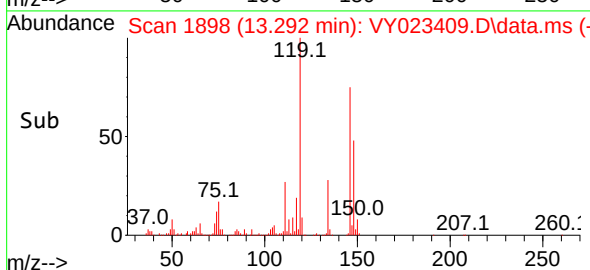
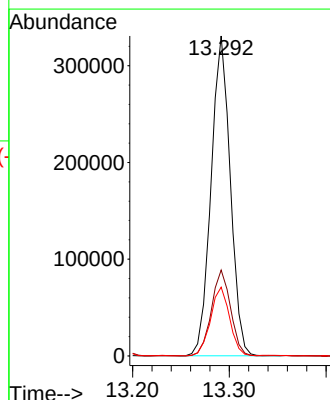
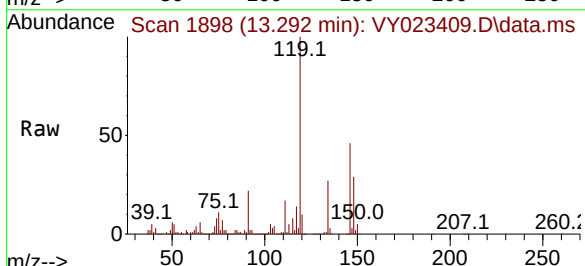
Tgt Ion:119 Resp: 455784

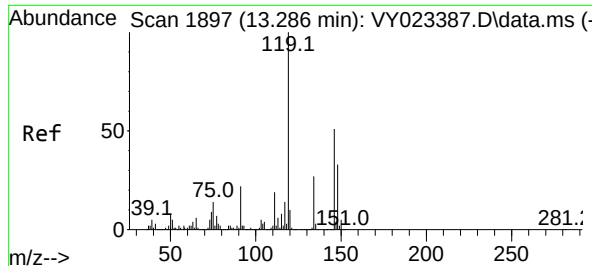
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 21.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 19.500 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:146 Resp: 250678

Ion Ratio Lower Upper

146 100

111 37.6 18.7 56.1

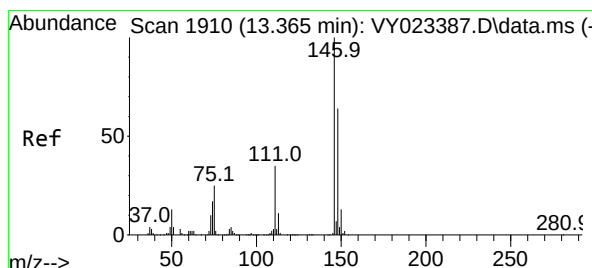
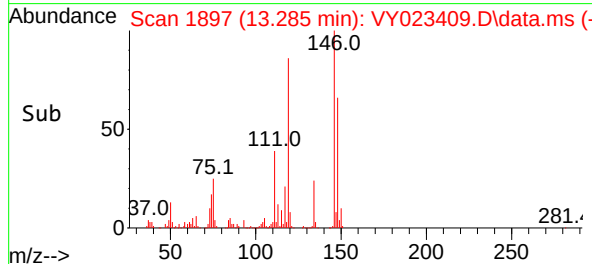
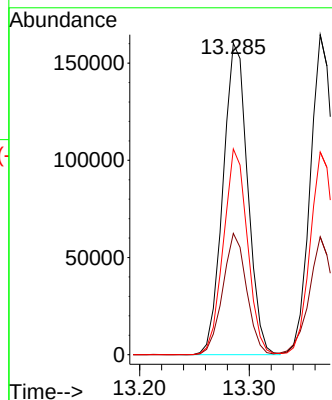
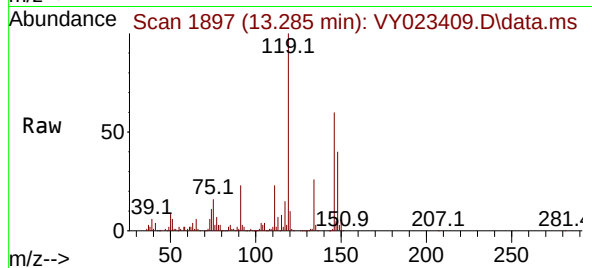
148 64.3 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#88

1,4-Dichlorobenzene

Concen: 19.539 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

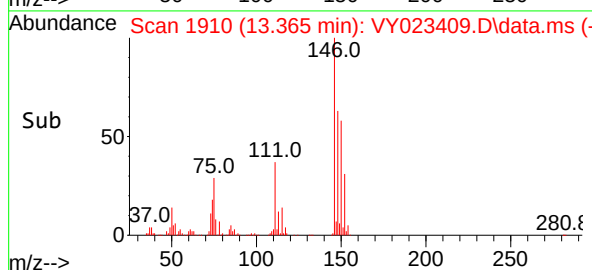
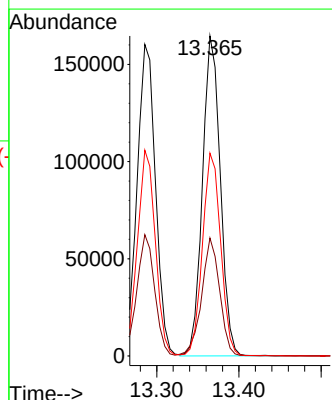
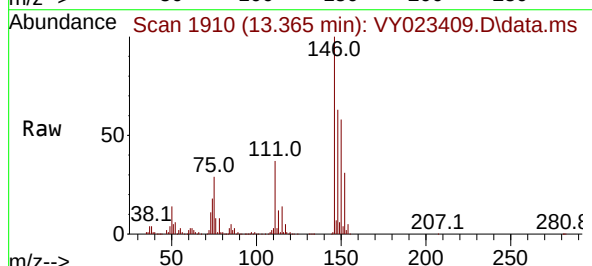
Tgt Ion:146 Resp: 248075

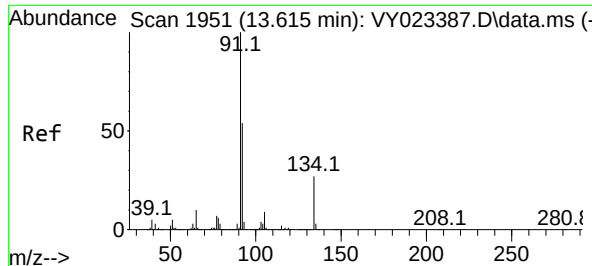
Ion Ratio Lower Upper

146 100

111 37.2 18.0 54.0

148 64.7 31.9 95.7





#89

n-Butylbenzene

Concen: 19.613 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

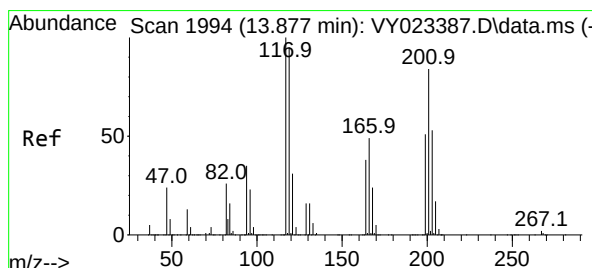
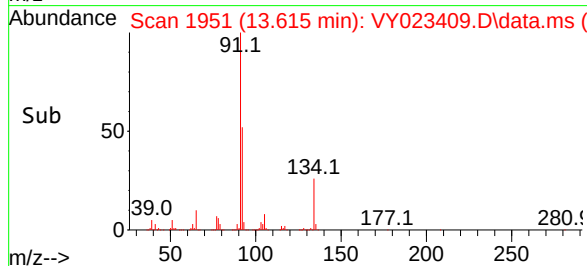
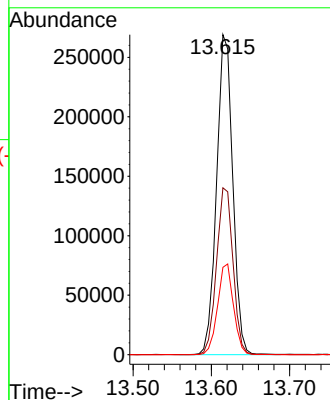
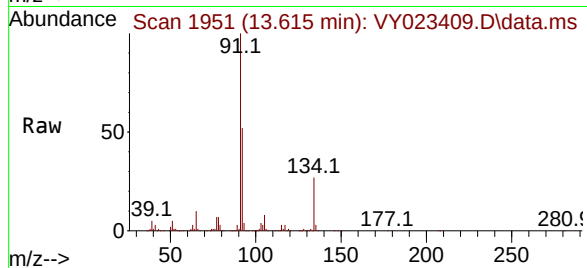
Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:	91	Resp:	38669
Ion Ratio	Lower	Upper	
91	100		
92	53.1	27.0	80.8
134	27.9	14.1	42.2

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

#90

Hexachloroethane

Concen: 20.022 ug/l

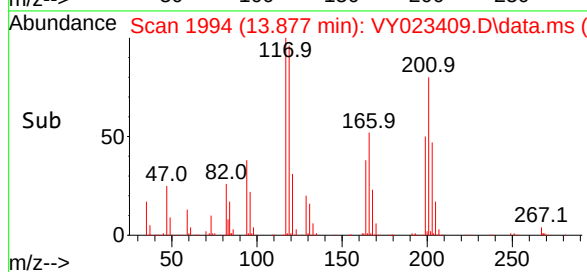
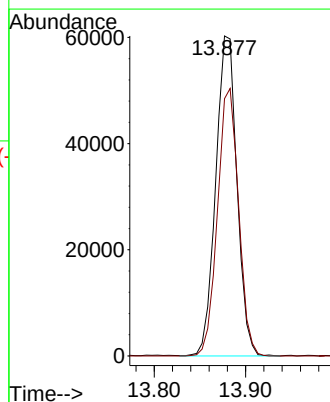
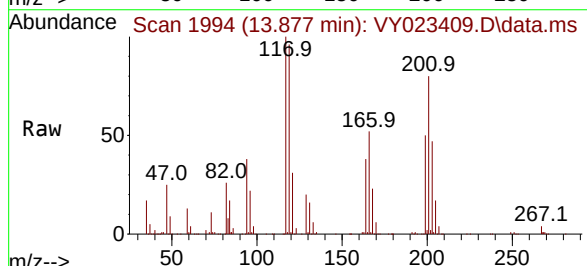
RT: 13.877 min Scan# 1994

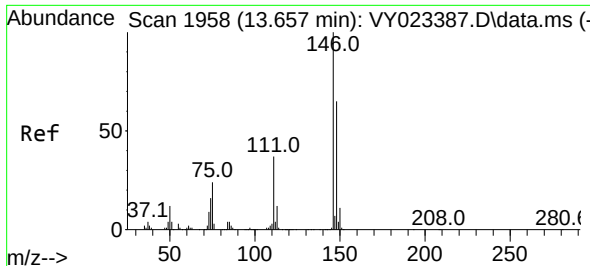
Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

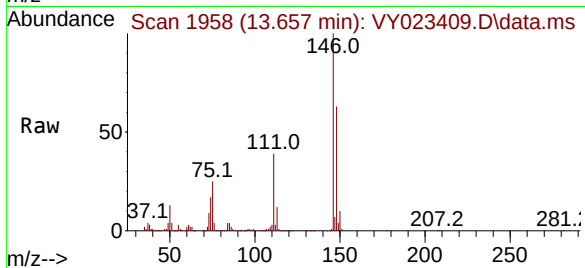
Tgt Ion:	117	Resp:	97445
Ion Ratio	Lower	Upper	
117	100		
201	82.9	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 19.278 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45

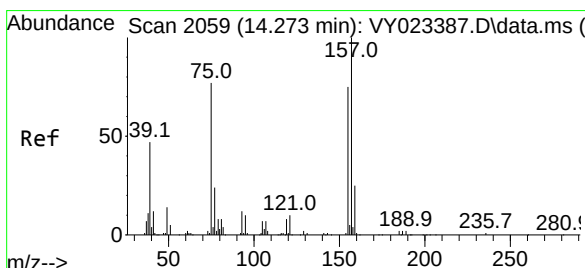
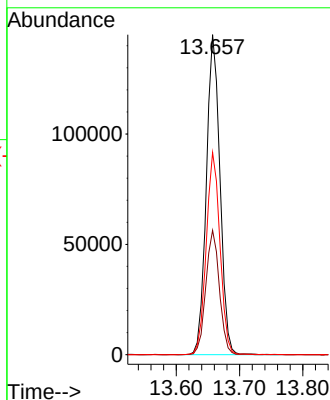
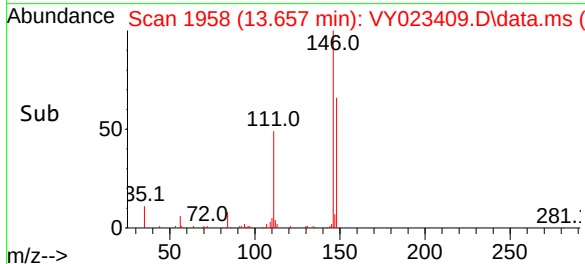
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



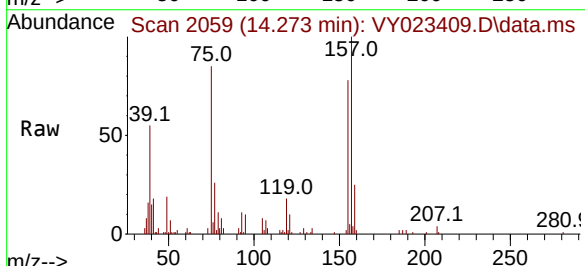
Tgt Ion:146 Resp: 217274
Ion Ratio Lower Upper
146 100
111 38.7 19.0 57.0
148 63.8 32.1 96.3

Manual Integrations
APPROVED

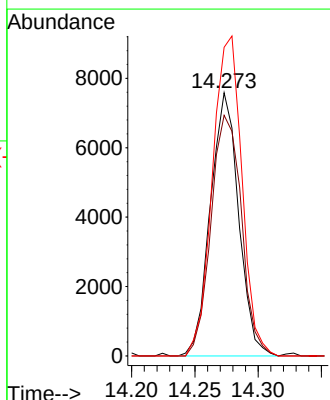
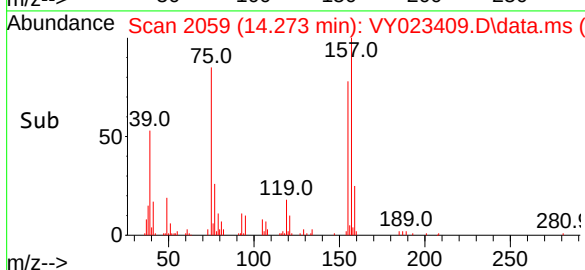
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

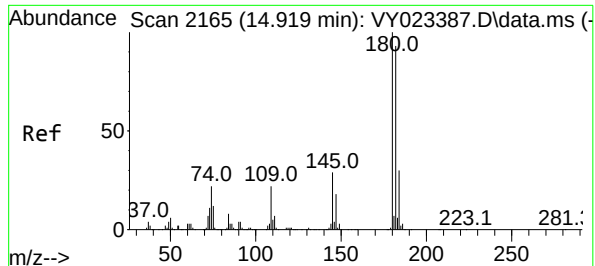


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.656 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023409.D
Acq: 09 Oct 2025 09:45



Tgt Ion: 75 Resp: 11766
Ion Ratio Lower Upper
75 100
155 98.3 50.0 150.0
157 126.7 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 17.372 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:180 Resp: 122058

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.6

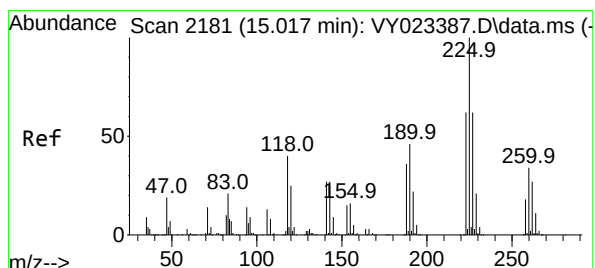
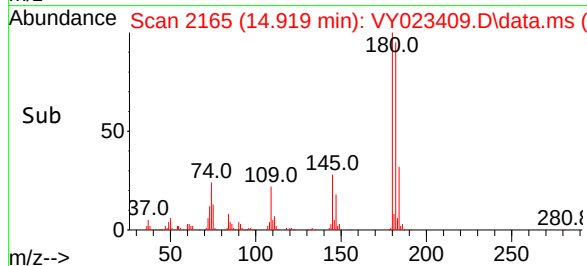
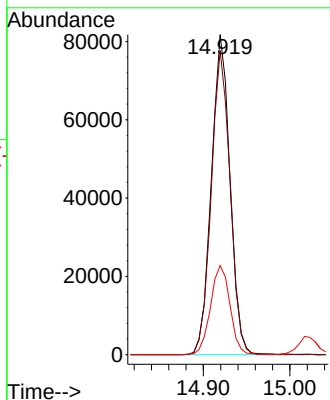
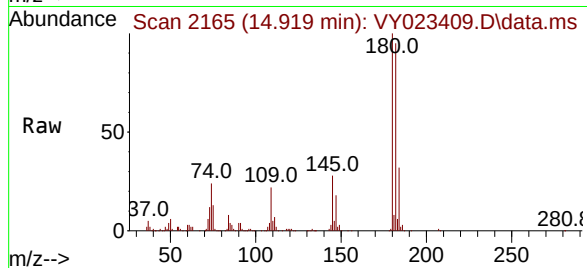
145 29.1 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#94

Hexachlorobutadiene

Concen: 19.104 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

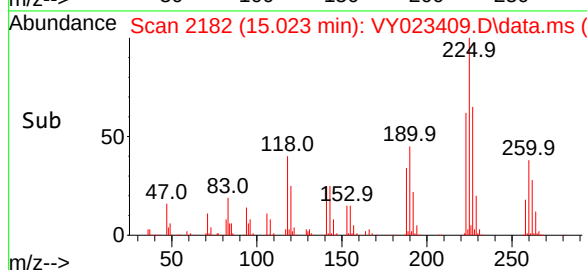
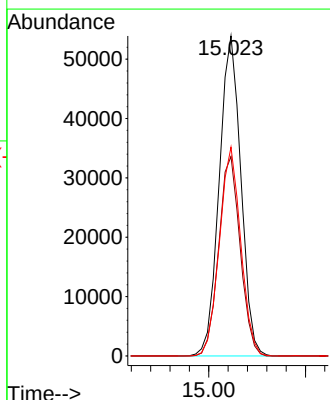
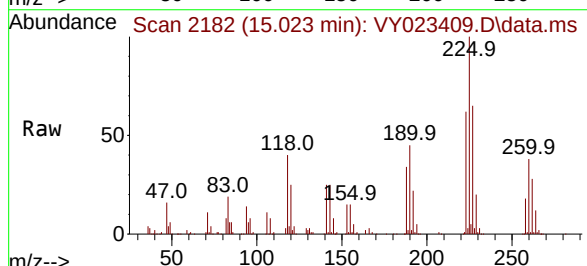
Tgt Ion:225 Resp: 83673

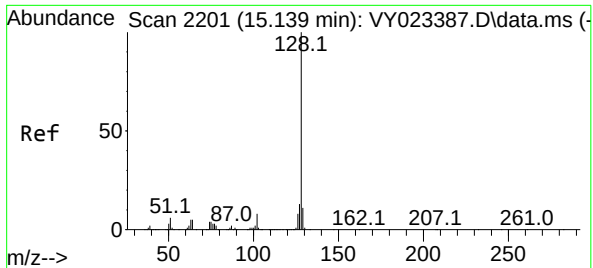
Ion Ratio Lower Upper

225 100

223 61.8 30.8 92.3

227 64.2 31.9 95.7





#95

Naphthalene

Concen: 15.125 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:128 Resp: 16922

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

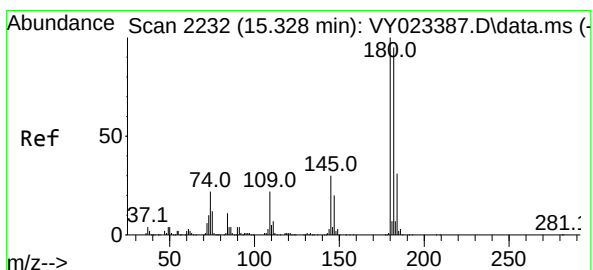
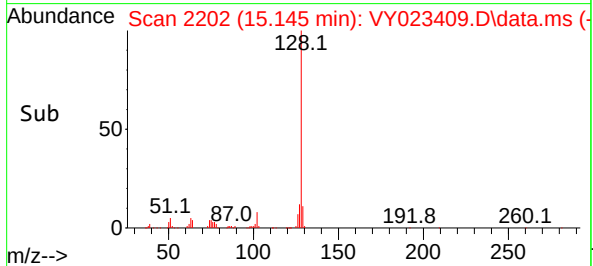
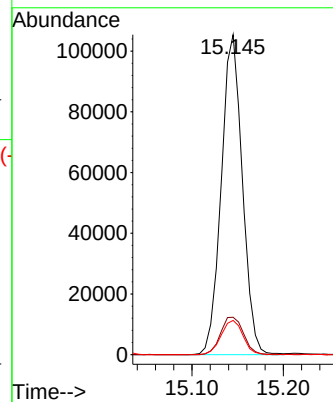
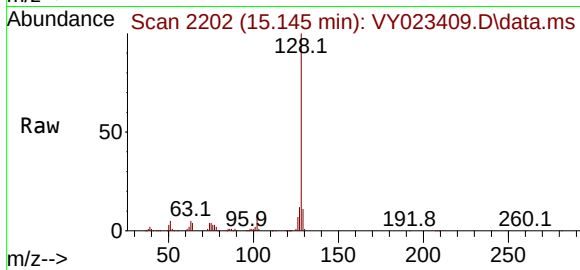
129 11.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 17.142 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023409.D

Acq: 09 Oct 2025 09:45

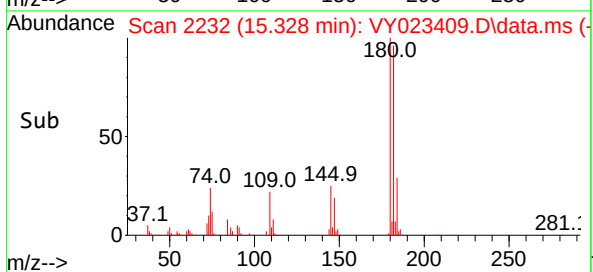
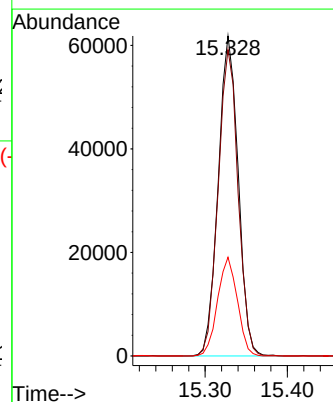
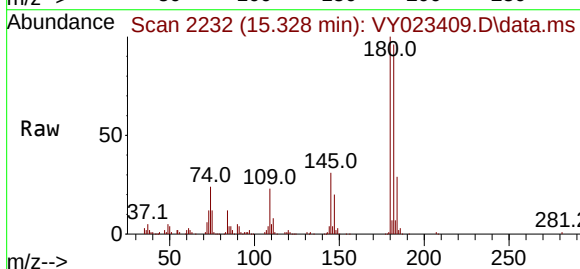
Tgt Ion:180 Resp: 104325

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.8

145 30.5 15.3 45.9



Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	VY1009SBSD01	SDG No.:	Q3321
Lab Sample ID:	VY1009SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023410.D	1	10/09/25 10:08	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.1		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.8		3.60	25.0	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	VY1009SBSD01		SDG No.:	Q3321
Lab Sample ID:	VY1009SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023410.D	1	10/09/25 10:08	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	548000	7.713			
540-36-3	1,4-Difluorobenzene	792000	8.615			
3114-55-4	Chlorobenzene-d5	697000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	360000	13.346			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 918	Date Received:	
Client Sample ID:	VY1009SBSD01	SDG No.:	Q3321
Lab Sample ID:	VY1009SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023410.D	1	10/09/25 10:08	VY100925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023410.D
 Acq On : 09 Oct 2025 10:08
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations APPROVED

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

Quant Time: Oct 10 04:22:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	547576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	791873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	696551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	359830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	215950	47.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.320%		
35) Dibromofluoromethane	7.640	113	240847	49.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.109	98	912325	50.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.700%		
62) 4-Bromofluorobenzene	12.407	95	285456	47.716	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	87549	22.213	ug/l	100
3) Chloromethane	2.074	50	110830	20.642	ug/l	100
4) Vinyl Chloride	2.208	62	142908	20.435	ug/l	99
5) Bromomethane	2.592	94	122755	20.917	ug/l	96
6) Chloroethane	2.738	64	100987	21.185	ug/l	100
7) Trichlorofluoromethane	3.062	101	198410	20.433	ug/l	97
8) Diethyl Ether	3.458	74	49360	19.454	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	107003	21.236	ug/l	99
10) Methyl Iodide	4.007	142	115949	20.670	ug/l	100
11) Tert butyl alcohol	4.860	59	34542	101.402	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	100792	20.635	ug/l	93
13) Acrolein	3.659	56	40485	84.109	ug/l	97
14) Allyl chloride	4.391	41	119653	20.100	ug/l	99
15) Acrylonitrile	5.061	53	91665	94.402	ug/l	100
16) Acetone	3.872	43	131313	120.460	ug/l	98
17) Carbon Disulfide	4.110	76	294633	21.075	ug/l	99
18) Methyl Acetate	4.397	43	46736	16.344	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	227743	19.400	ug/l	95
20) Methylene Chloride	4.622	84	113269	19.216	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	112932	21.000	ug/l	99
22) Diisopropyl ether	6.024	45	268741	20.409	ug/l	98
23) Vinyl Acetate	5.970	43	714408	100.236	ug/l	100
24) 1,1-Dichloroethane	5.921	63	181268	20.782	ug/l	98
25) 2-Butanone	6.896	43	142358	106.969	ug/l	98
26) 2,2-Dichloropropane	6.890	77	169519	21.181	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	128941	20.757	ug/l	98
28) Bromochloromethane	7.250	49	66685	20.480	ug/l	99
29) Tetrahydrofuran	7.268	42	70408	93.296	ug/l	98
30) Chloroform	7.427	83	200410	20.913	ug/l	95
31) Cyclohexane	7.707	56	154069	20.227	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	183274	21.045	ug/l	100
36) 1,1-Dichloropropene	7.835	75	138615	21.519	ug/l	99
37) Ethyl Acetate	6.982	43	51475	20.170	ug/l	98
38) Carbon Tetrachloride	7.823	117	166972	21.377	ug/l	99
39) Methylcyclohexane	9.109	83	177139	21.120	ug/l	96
40) Benzene	8.085	78	436426	21.393	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023410.D
 Acq On : 09 Oct 2025 10:08
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 04:22:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	25670	18.598	ug/l #	71
42) 1,2-Dichloroethane	8.164	62	109045	20.726	ug/l	99
43) Isopropyl Acetate	8.201	43	97524	19.165	ug/l #	85
44) Trichloroethene	8.865	130	126004	21.103	ug/l	98
45) 1,2-Dichloropropane	9.146	63	95951	21.294	ug/l	98
46) Dibromomethane	9.231	93	59353	20.831	ug/l	99
47) Bromodichloromethane	9.426	83	148955	20.758	ug/l	98
48) Methyl methacrylate	9.225	41	43089	18.024	ug/l	93
49) 1,4-Dioxane	9.231	88	12439	376.544	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	249347	94.838	ug/l	100
52) Toluene	10.170	92	284102	21.449	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	124152	19.898	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	153238	20.809	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	78245	20.422	ug/l	91
56) Ethyl methacrylate	10.438	69	83077	18.797	ug/l	99
57) 1,3-Dichloropropane	10.719	76	126624	20.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	185766	93.826	ug/l	99
59) 2-Hexanone	10.761	43	194921	103.740	ug/l	99
60) Dibromochloromethane	10.914	129	110073	20.491	ug/l	98
61) 1,2-Dibromoethane	11.017	107	73124	20.012	ug/l	98
64) Tetrachloroethene	10.646	164	156158	21.712	ug/l	99
65) Chlorobenzene	11.444	112	320704	21.169	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	112990	20.929	ug/l	98
67) Ethyl Benzene	11.517	91	511858	20.873	ug/l	100
68) m/p-Xylenes	11.627	106	416514	42.346	ug/l	98
69) o-Xylene	11.956	106	191098	20.713	ug/l	99
70) Styrene	11.969	104	314637	20.739	ug/l	99
71) Bromoform	12.133	173	65314	19.504	ug/l #	100
73) Isopropylbenzene	12.255	105	499324	21.057	ug/l	99
74) N-amyl acetate	12.072	43	77981	18.309	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76498	19.724	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	57851m	18.223	ug/l	
77) Bromobenzene	12.529	156	130681	20.729	ug/l	99
78) n-propylbenzene	12.596	91	590757	21.528	ug/l	100
79) 2-Chlorotoluene	12.676	91	336924	20.967	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	407825	21.283	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	24664	19.051	ug/l	98
82) 4-Chlorotoluene	12.779	91	350046	21.151	ug/l	99
83) tert-Butylbenzene	12.999	119	370714	20.953	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	407038	21.285	ug/l	99
85) sec-Butylbenzene	13.176	105	546067	21.516	ug/l	99
86) p-Isopropyltoluene	13.291	119	459158	21.249	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	255893	20.845	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	250747	20.681	ug/l	98
89) n-Butylbenzene	13.615	91	390969	20.765	ug/l	99
90) Hexachloroethane	13.877	117	98225	21.134	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	221929	20.620	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12135	19.069	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	125048	18.637	ug/l	99
94) Hexachlorobutadiene	15.023	225	85691	20.487	ug/l	98
95) Naphthalene	15.145	128	175290	16.406	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	105694	18.186	ug/l	99

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Data File : VY023410.D
Acq On : 09 Oct 2025 10:08
Operator : SY/MD
Sample : VY1009SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Manual Integrations
APPROVED

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

Quant Time: Oct 10 04:22:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

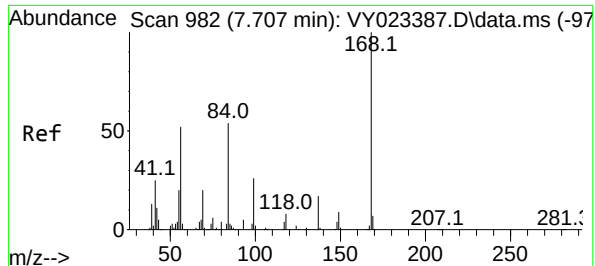
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Manual Integrations

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





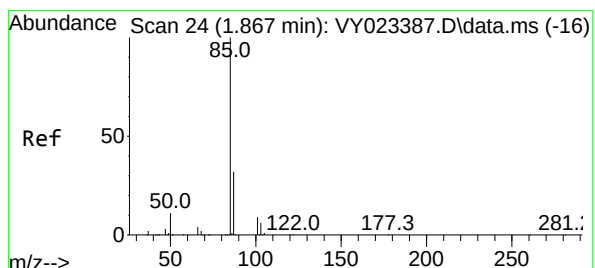
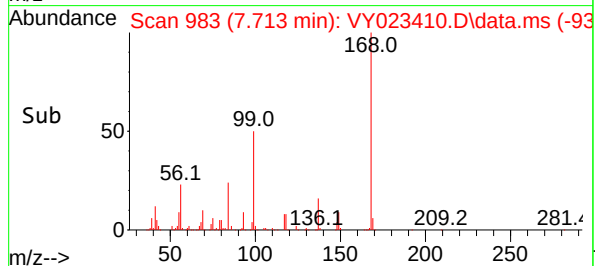
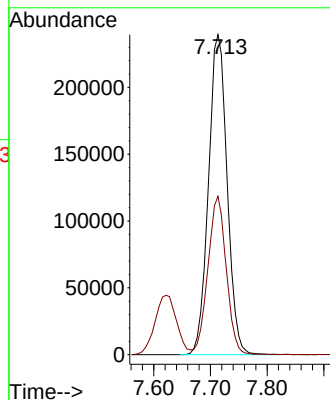
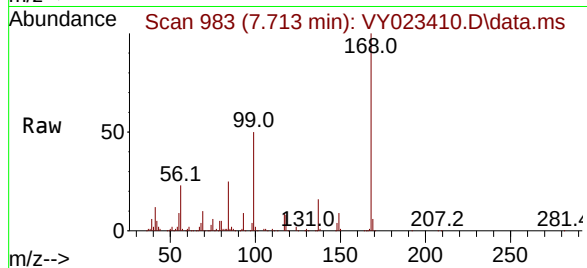
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Tgt Ion:168 Resp: 547570
Ion Ratio Lower Upper
168 100
99 49.5 39.7 59.5

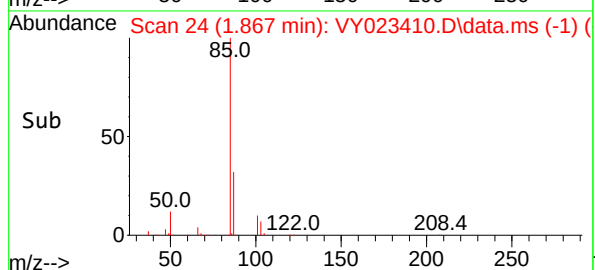
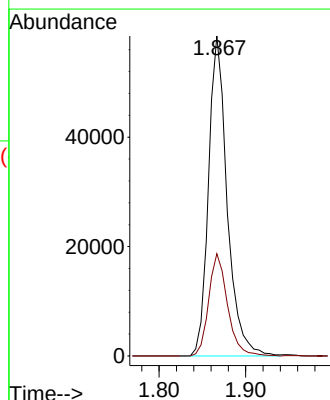
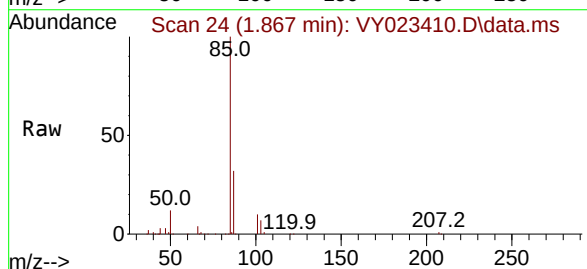
Manual Integrations
APPROVED

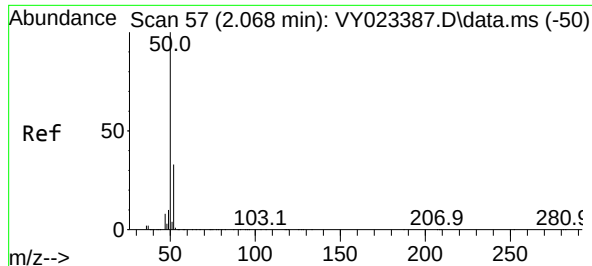
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#2
Dichlorodifluoromethane
Concen: 22.213 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 85 Resp: 87549
Ion Ratio Lower Upper
85 100
87 32.0 16.0 47.9





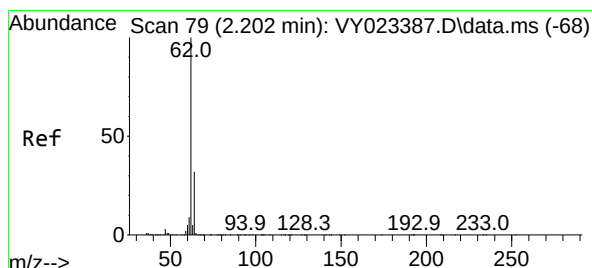
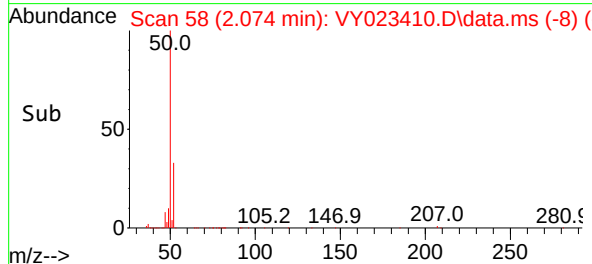
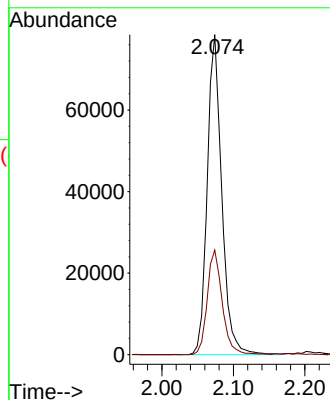
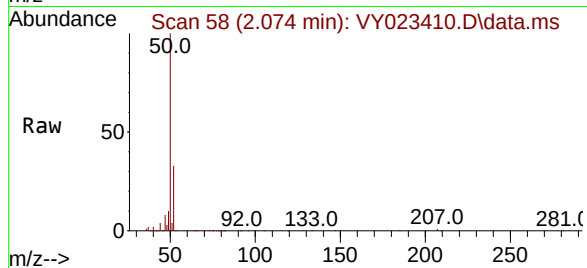
#3
Chloromethane
Concen: 20.642 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion: 50 Resp: 110830
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2

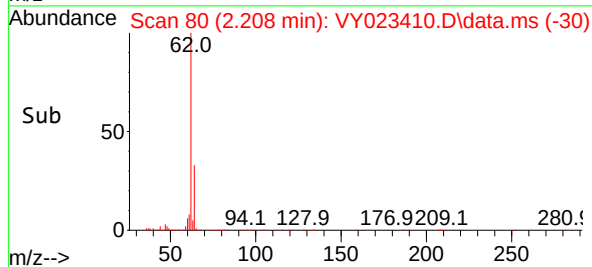
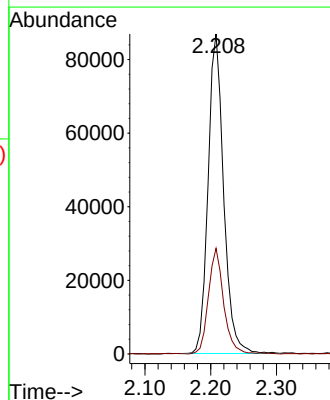
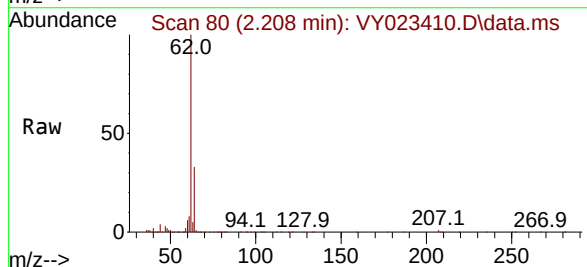
Manual Integrations
APPROVED

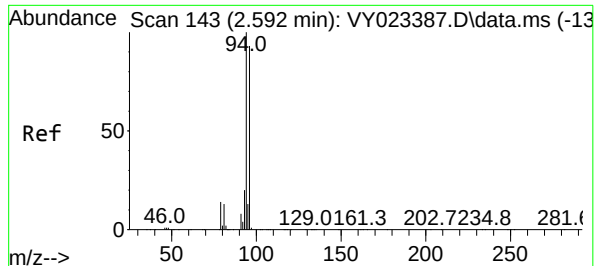
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#4
Vinyl Chloride
Concen: 20.435 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

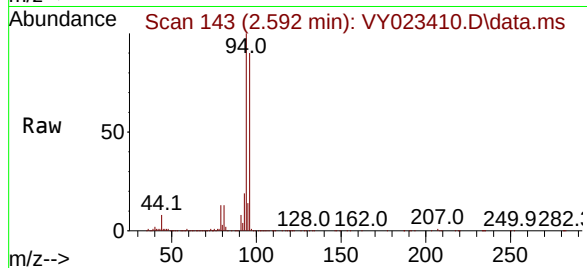
Tgt Ion: 62 Resp: 142908
Ion Ratio Lower Upper
62 100
64 33.1 25.8 38.8





#5
Bromomethane
Concen: 20.917 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

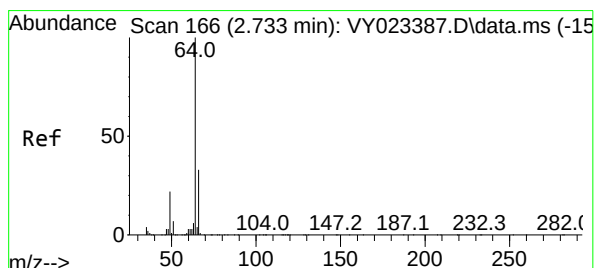
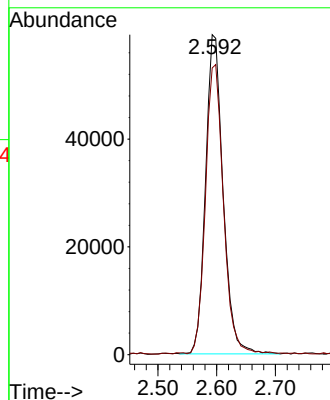
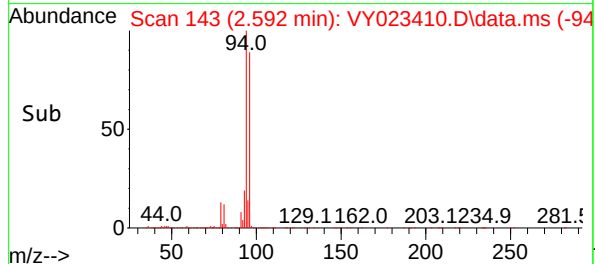
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



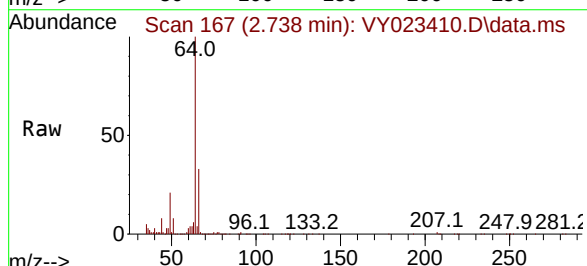
Tgt Ion: 94 Resp: 122758
Ion Ratio Lower Upper
94 100
96 89.3 74.5 111.7

Manual Integrations
APPROVED

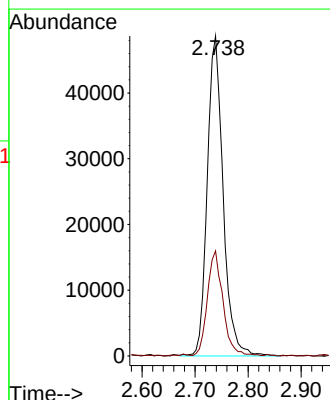
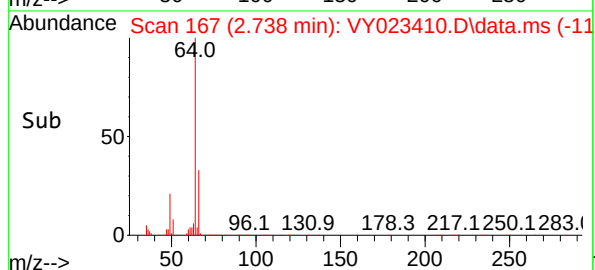
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

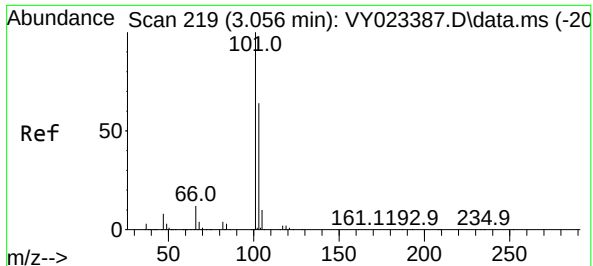


#6
Chloroethane
Concen: 21.185 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



Tgt Ion: 64 Resp: 100987
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





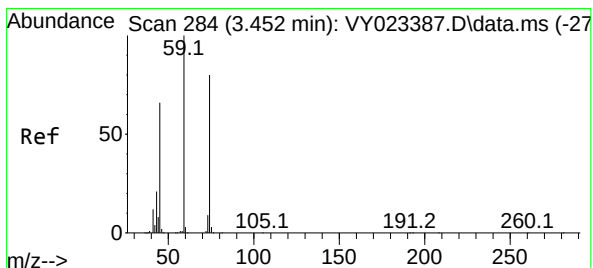
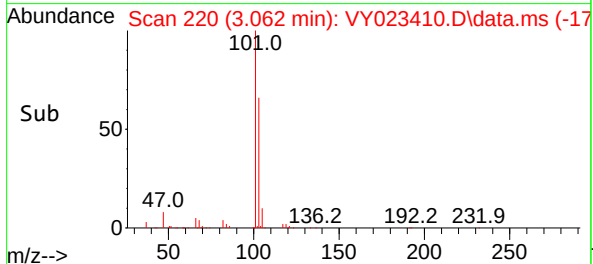
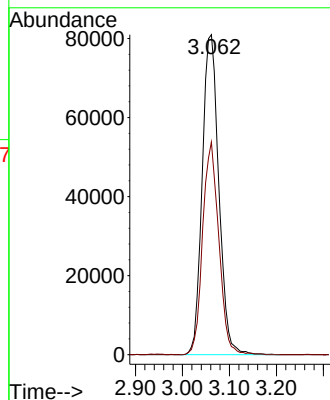
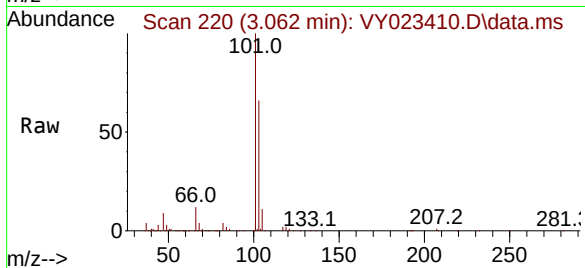
#7
Trichlorofluoromethane
Concen: 20.433 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion:101 Resp: 198410
Ion Ratio Lower Upper
101 100
103 66.4 51.3 76.9

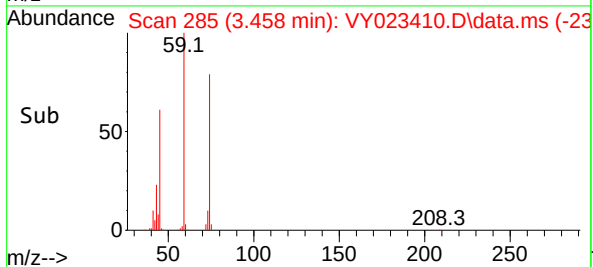
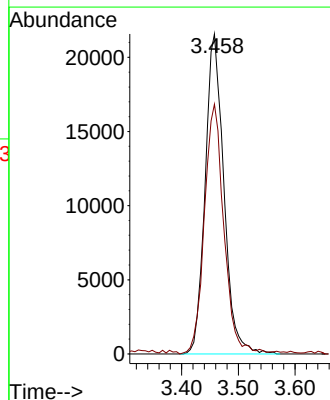
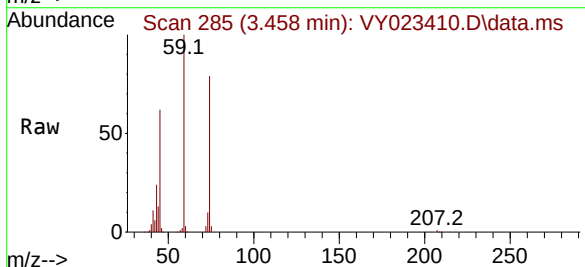
Manual Integrations
APPROVED

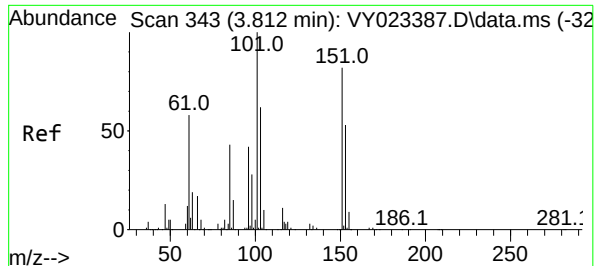
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#8
Diethyl Ether
Concen: 19.454 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 74 Resp: 49360
Ion Ratio Lower Upper
74 100
45 81.7 39.9 119.7





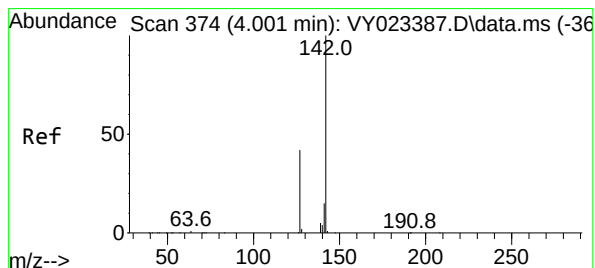
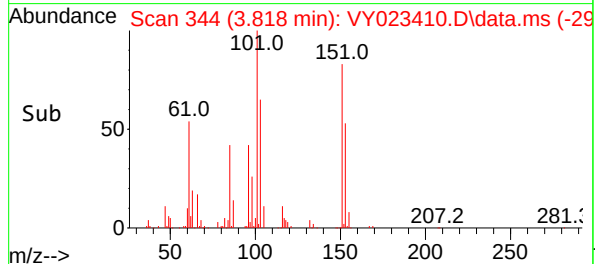
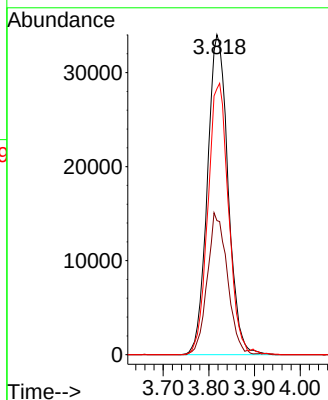
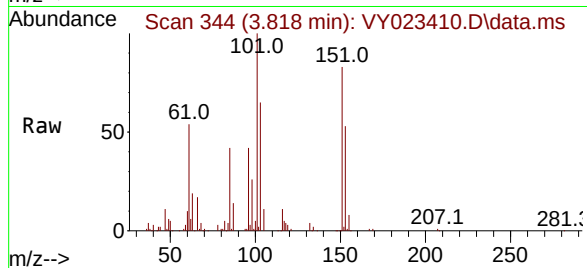
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.236 ug/l
RT: 3.818 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Tgt Ion:101 Resp: 107000
Ion Ratio Lower Upper
101 100
85 43.1 34.6 51.8
151 84.6 67.0 100.6

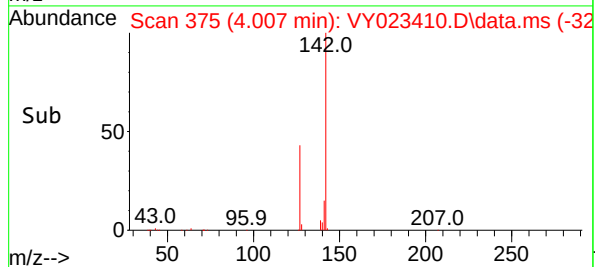
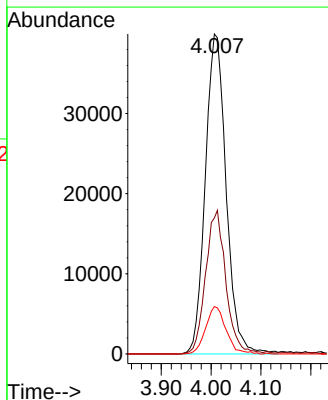
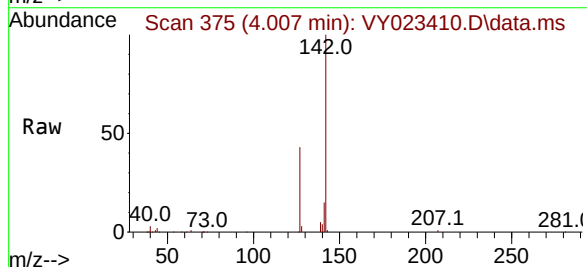
Manual Integrations
APPROVED

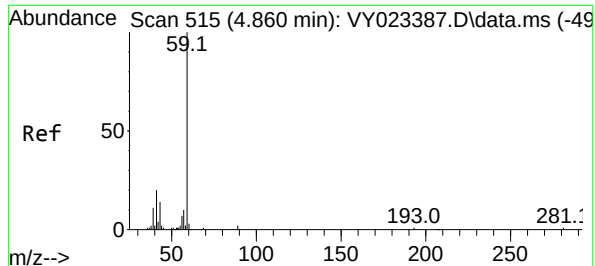
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#10
Methyl Iodide
Concen: 20.670 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion:142 Resp: 115949
Ion Ratio Lower Upper
142 100
127 43.6 34.8 52.2
141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 101.402 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 59 Resp: 3454

Ion Ratio Lower Upper

59 100

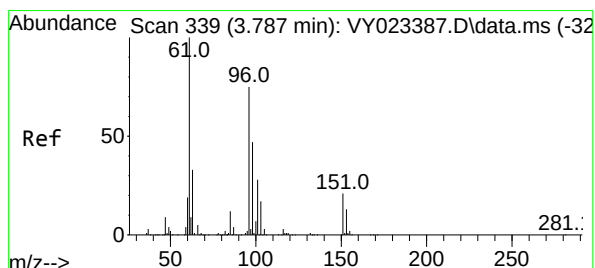
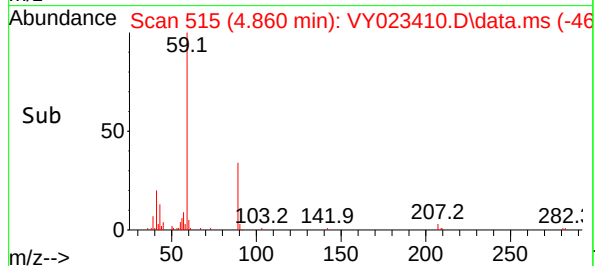
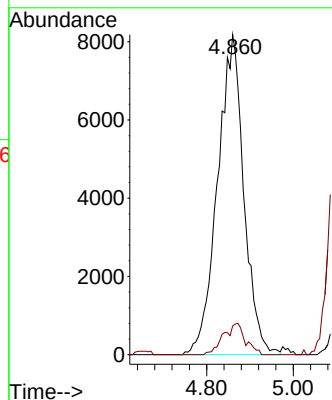
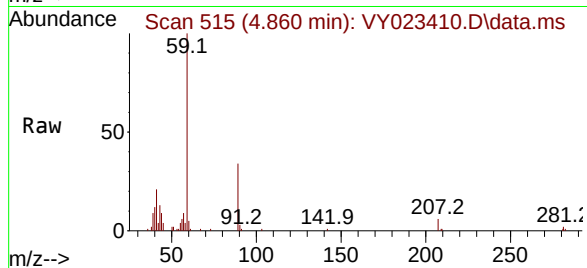
57 8.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#12

1,1-Dichloroethene

Concen: 20.635 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

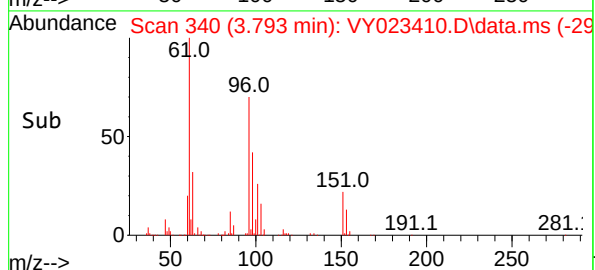
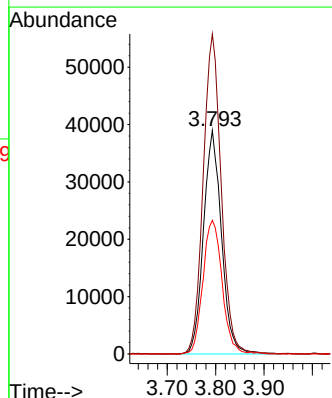
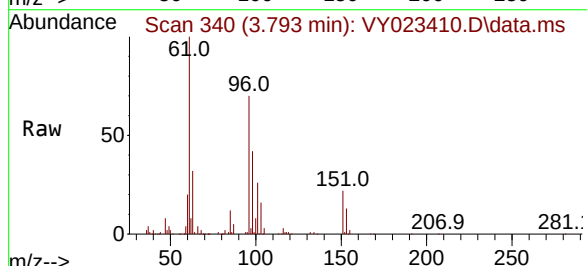
Tgt Ion: 96 Resp: 100792

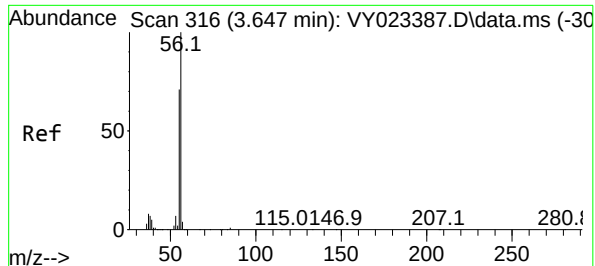
Ion Ratio Lower Upper

96 100

61 143.2 106.7 160.1

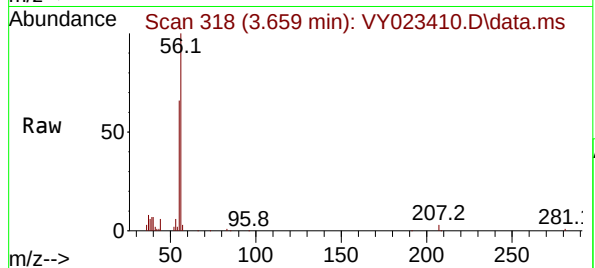
98 59.8 50.2 75.4





#13
Acrolein
Concen: 84.109 ug/l
RT: 3.659 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

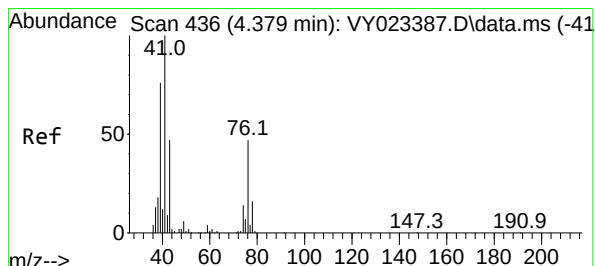
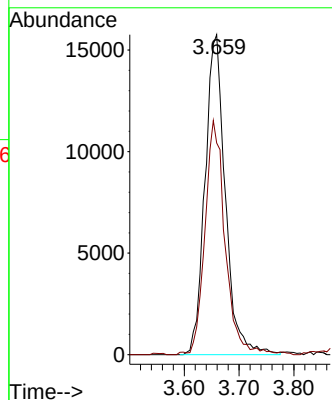
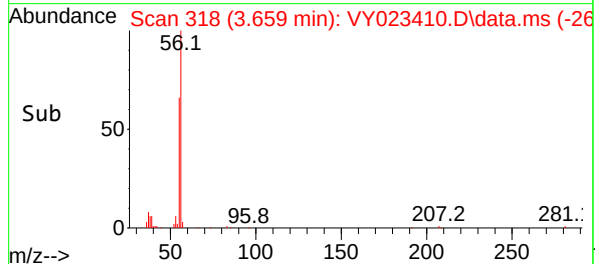
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion: 56 Resp: 40485
Ion Ratio Lower Upper
56 100
55 72.4 56.1 84.1

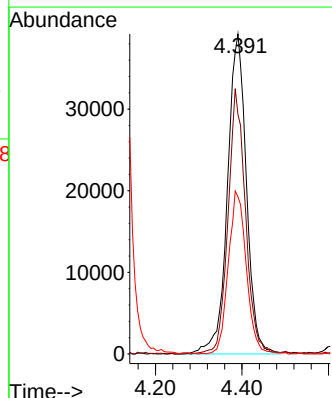
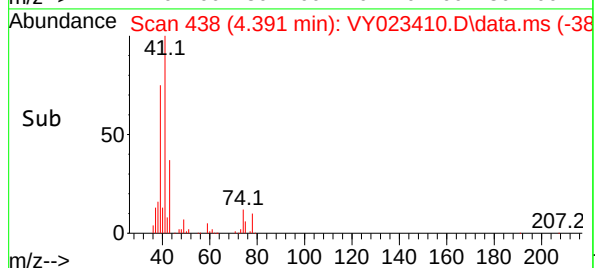
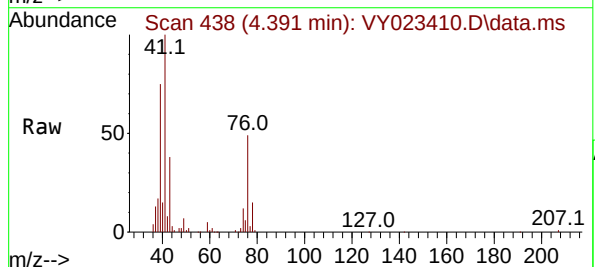
Manual Integrations
APPROVED

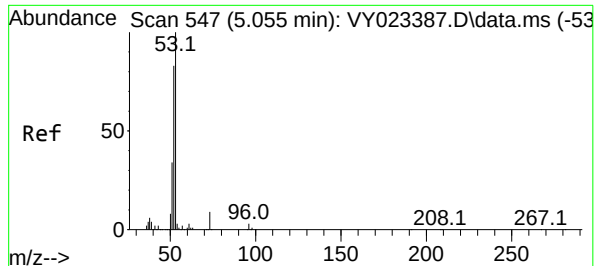
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#14
Allyl chloride
Concen: 20.100 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 41 Resp: 119653
Ion Ratio Lower Upper
41 100
39 76.2 59.9 89.9
76 48.3 38.0 57.0





#15

Acrylonitrile

Concen: 94.402 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBSD01

Tgt Ion: 53 Resp: 9166

Ion Ratio Lower Upper

53 100

52 80.4 64.6 97.0

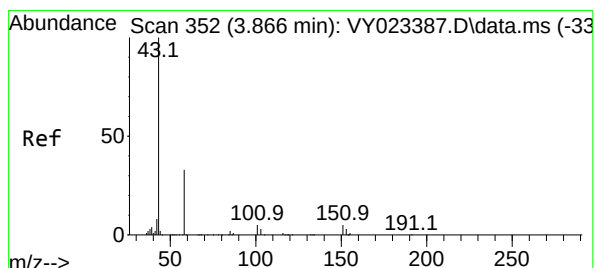
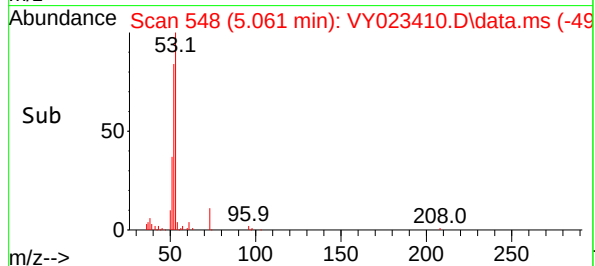
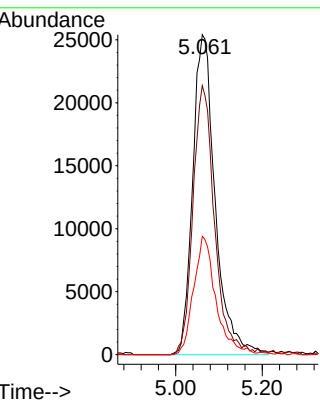
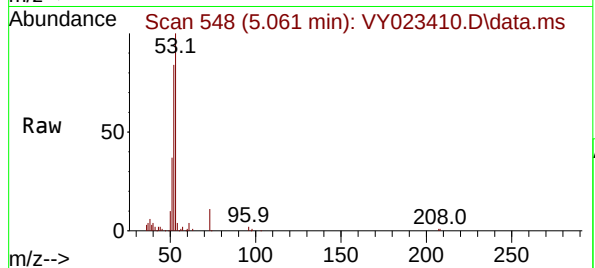
51 36.7 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#16

Acetone

Concen: 120.460 ug/l

RT: 3.872 min Scan# 353

Delta R.T. 0.006 min

Lab File: VY023410.D

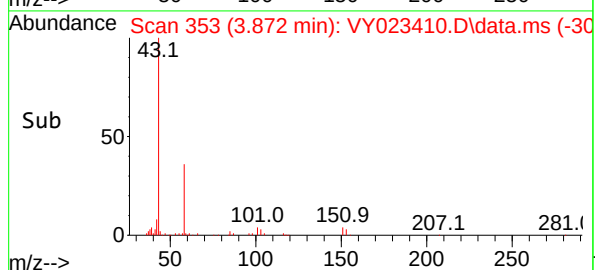
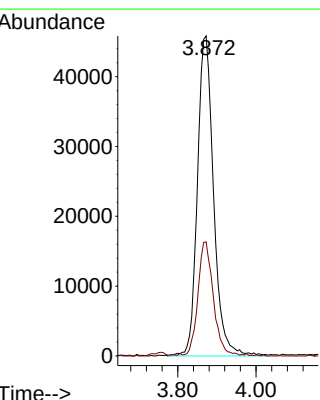
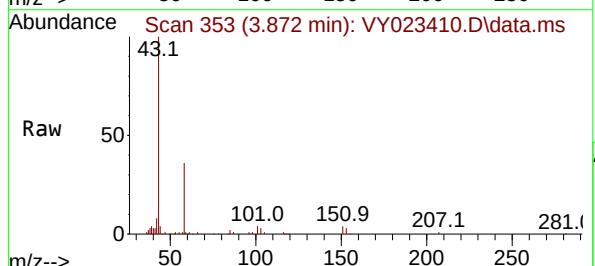
Acq: 09 Oct 2025 10:08

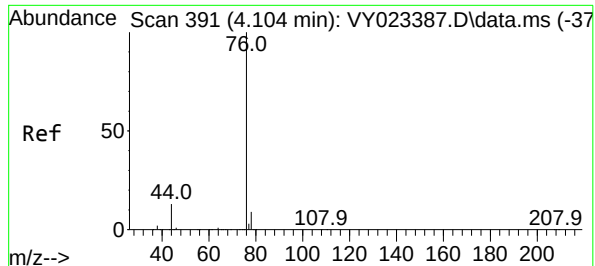
Tgt Ion: 43 Resp: 131313

Ion Ratio Lower Upper

43 100

58 35.6 27.7 41.5





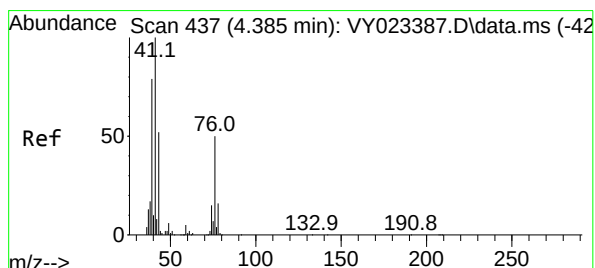
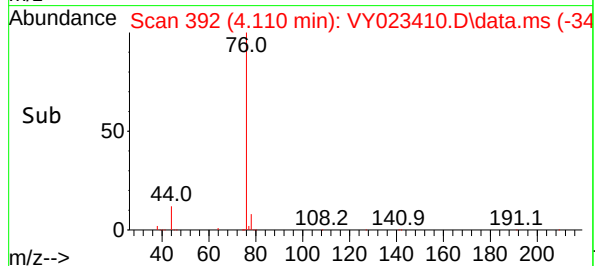
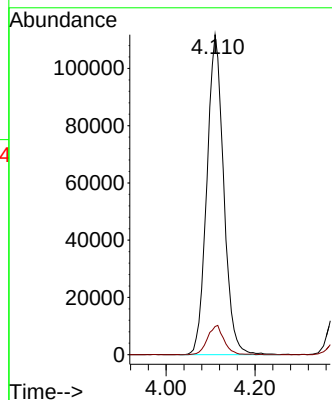
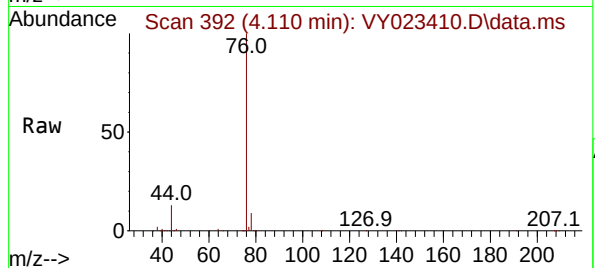
#17
Carbon Disulfide
Concen: 21.075 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion: 76 Resp: 29463
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

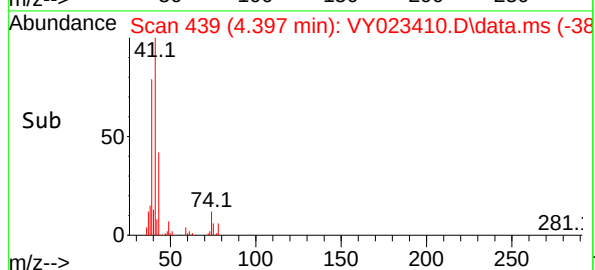
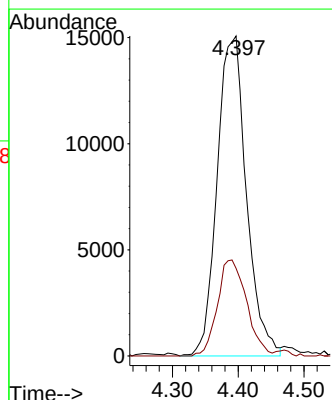
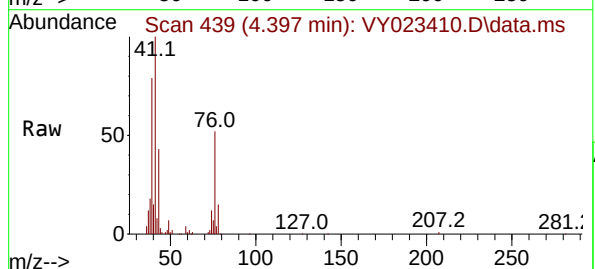
Manual Integrations
APPROVED

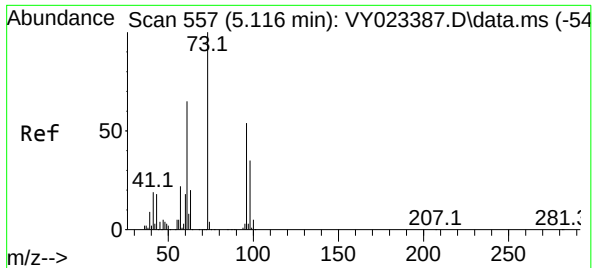
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#18
Methyl Acetate
Concen: 16.344 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 43 Resp: 46736
Ion Ratio Lower Upper
43 100
74 29.8 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.400 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 73 Resp: 22774

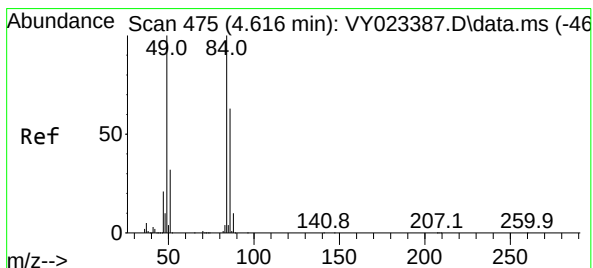
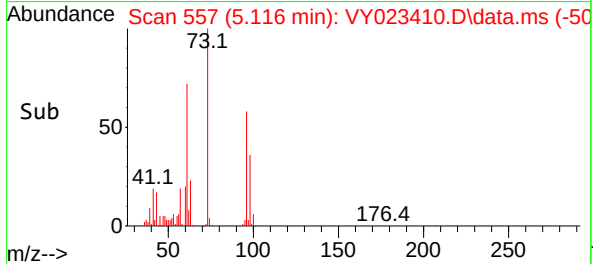
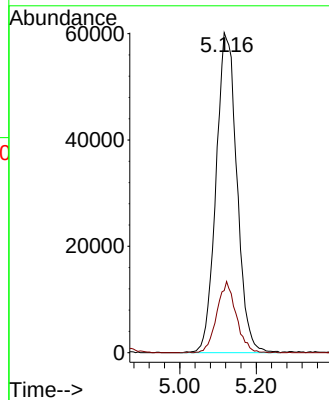
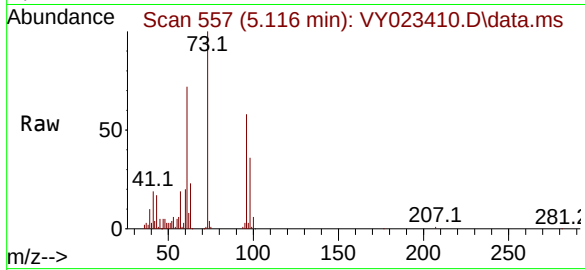
Ion Ratio Lower Upper

73 100

57 19.4 17.4 26.0

Manual Integrations

APPROVED

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

#20

Methylene Chloride

Concen: 19.216 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Tgt Ion: 84 Resp: 113269

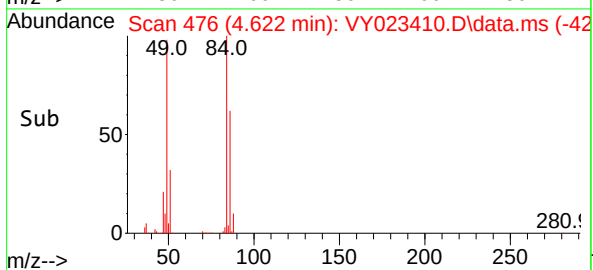
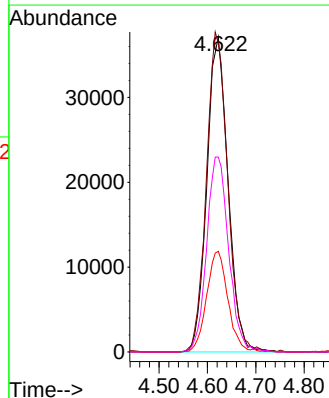
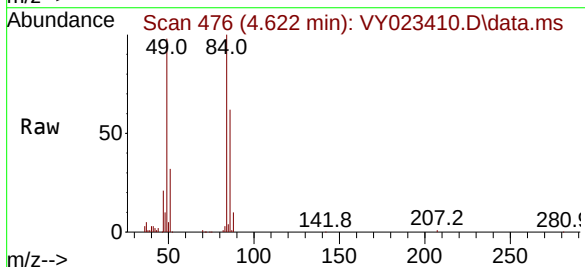
Ion Ratio Lower Upper

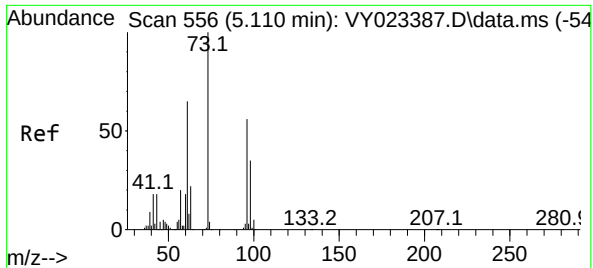
84 100

49 98.0 80.2 120.4

51 32.0 25.9 38.9

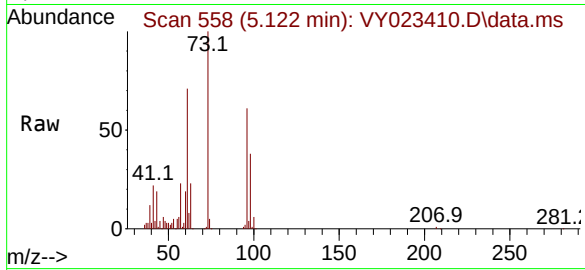
86 61.9 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 21.000 ug/l
RT: 5.122 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

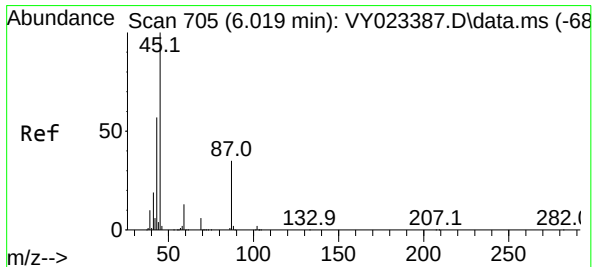
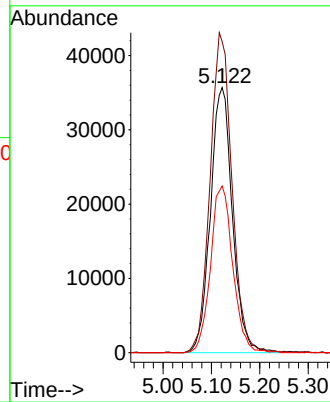
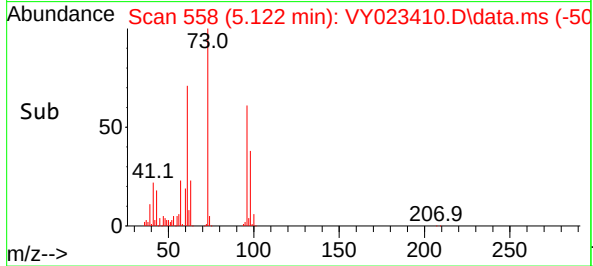
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01



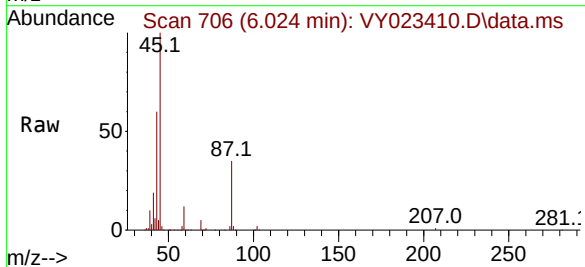
Tgt Ion: 96 Resp: 112932
Ion Ratio Lower Upper
96 100
61 117.3 92.7 139.1
98 62.9 49.7 74.5

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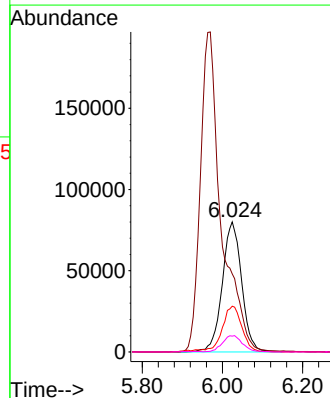
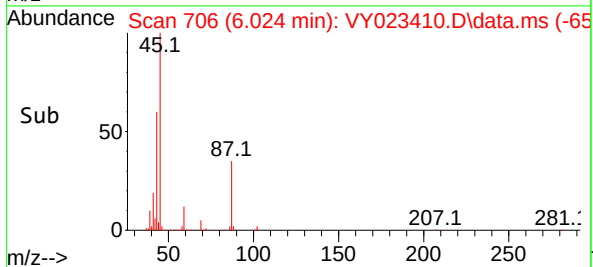
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

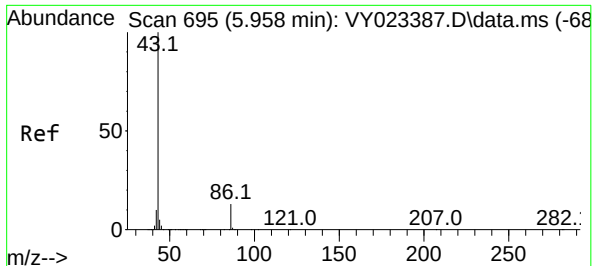


#22
Diisopropyl ether
Concen: 20.409 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



Tgt Ion: 45 Resp: 268741
Ion Ratio Lower Upper
45 100
43 59.8 45.6 68.4
87 35.0 28.1 42.1
59 12.1 10.2 15.2





#23

Vinyl Acetate

Concen: 100.236 ug/l

RT: 5.970 min Scan# 64

Delta R.T. 0.012 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 43 Resp: 714408

Ion Ratio Lower Upper

43

100

86

13.1

10.6

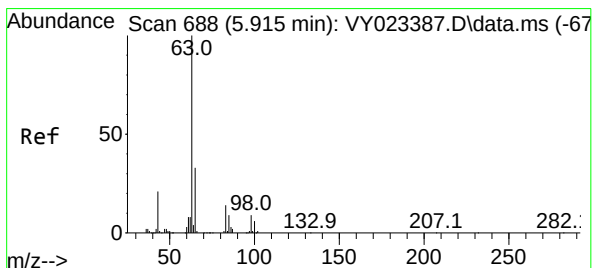
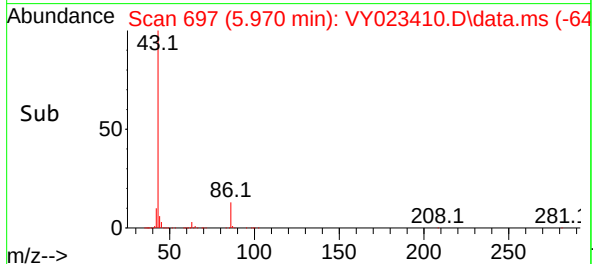
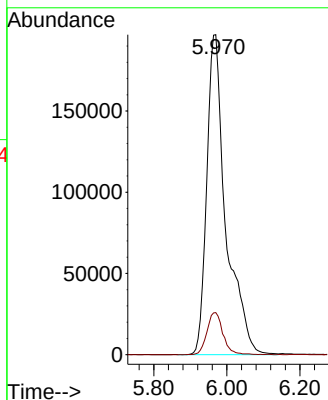
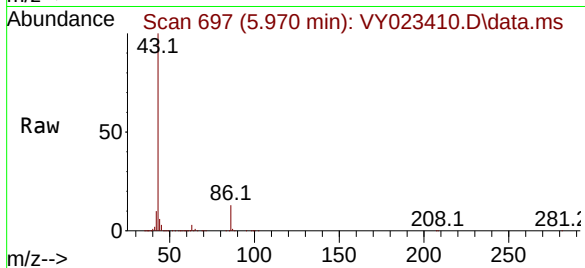
15.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#24

1,1-Dichloroethane

Concen: 20.782 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Tgt Ion: 63 Resp: 181268

Ion Ratio Lower Upper

63

100

98

8.1

4.3

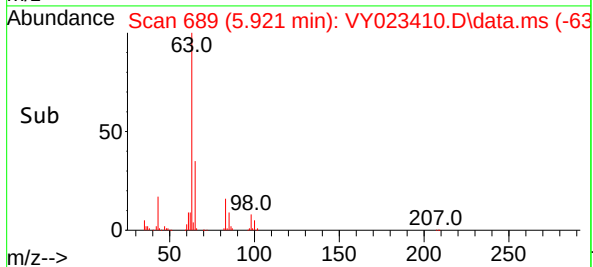
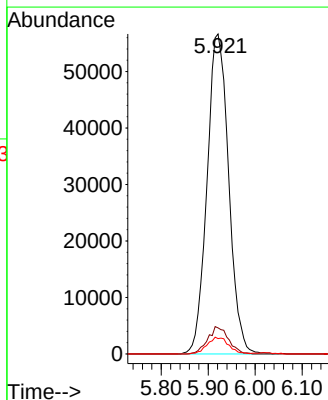
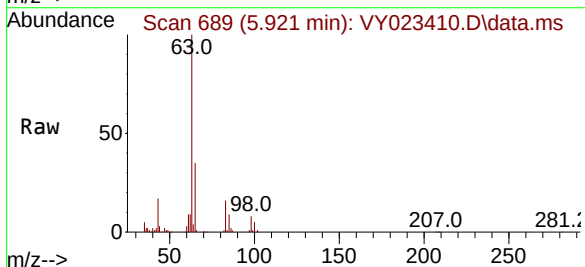
13.1

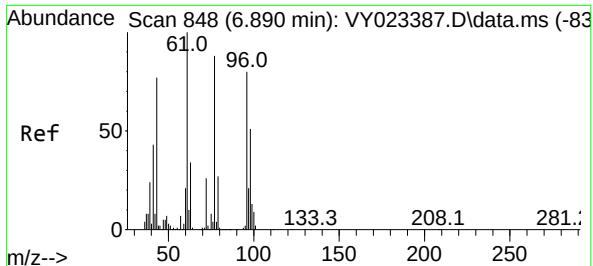
100

4.8

2.8

8.4





#25

2-Butanone

Concen: 106.969 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 43 Resp: 14235

Ion Ratio Lower Upper

43

100

72

32.9

27.4

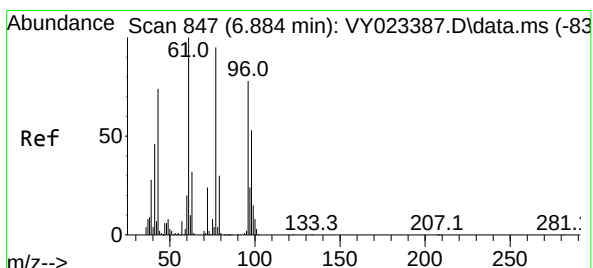
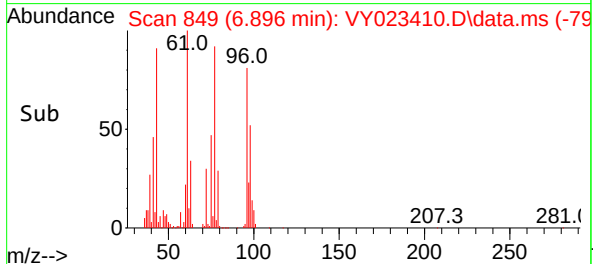
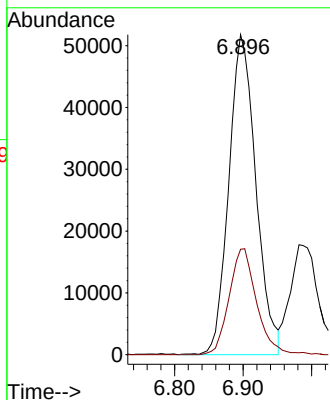
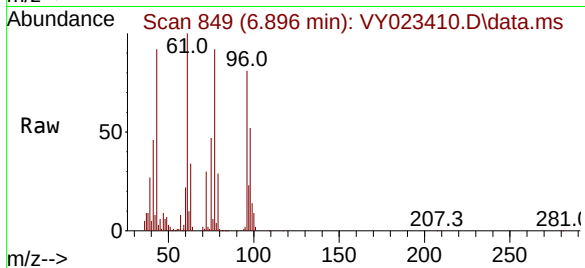
41.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#26

2,2-Dichloropropane

Concen: 21.181 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Tgt Ion: 77 Resp: 169519

Ion Ratio Lower Upper

77

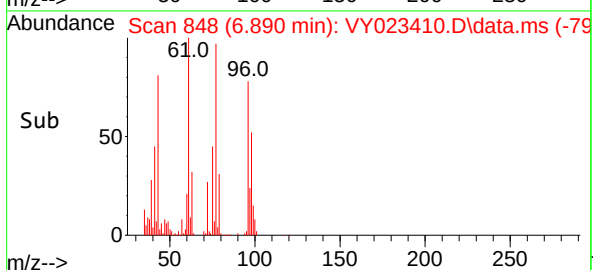
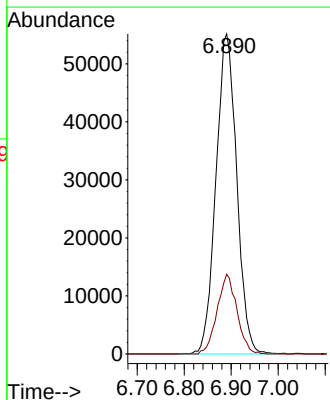
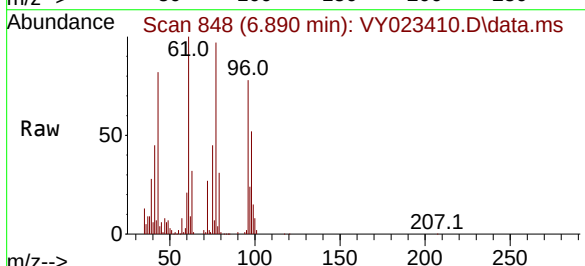
100

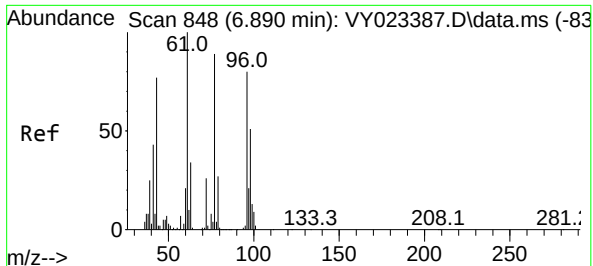
97

23.7

12.1

36.3





#27

cis-1,2-Dichloroethene

Concen: 20.757 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 96 Resp: 12894

Ion Ratio Lower Upper

96 100

61 127.9 0.0 258.2

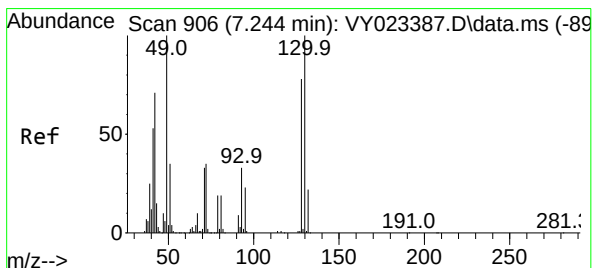
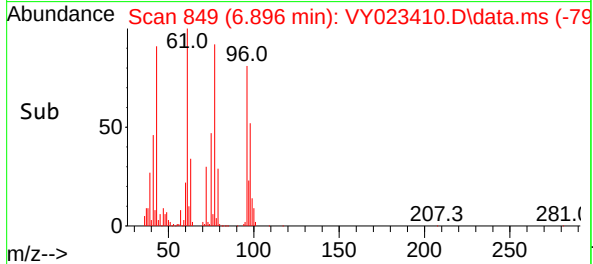
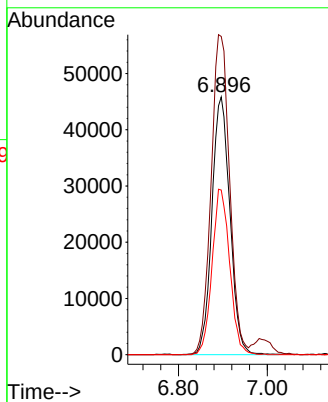
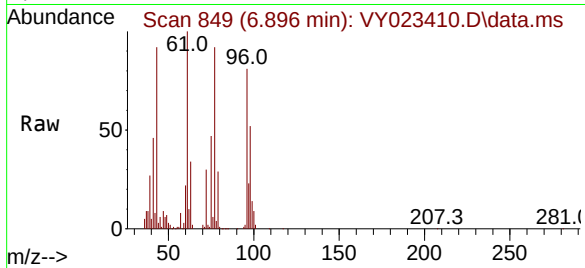
98 62.8 0.0 132.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#28

Bromochloromethane

Concen: 20.480 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

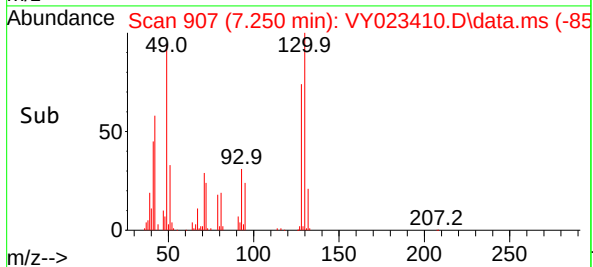
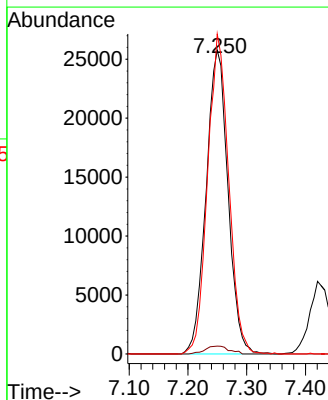
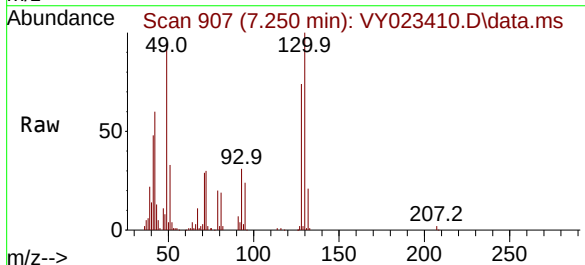
Tgt Ion: 49 Resp: 66685

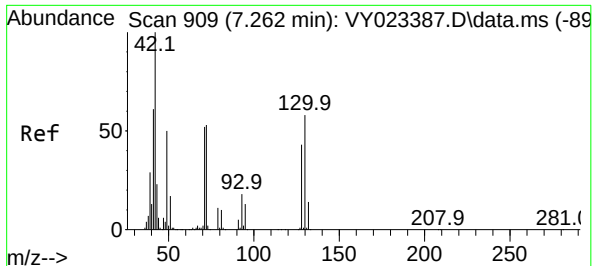
Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.6

130 101.2 81.9 122.9





#29

Tetrahydrofuran

Concen: 93.296 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 42 Resp: 70408

Ion Ratio Lower Upper

42 100

72 52.3 43.0 64.6

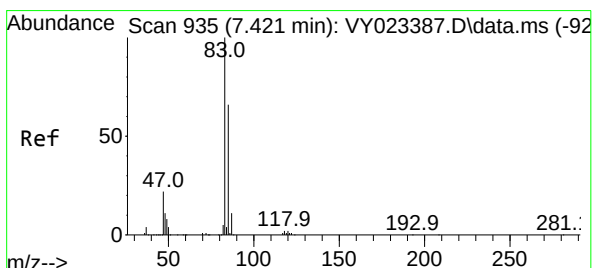
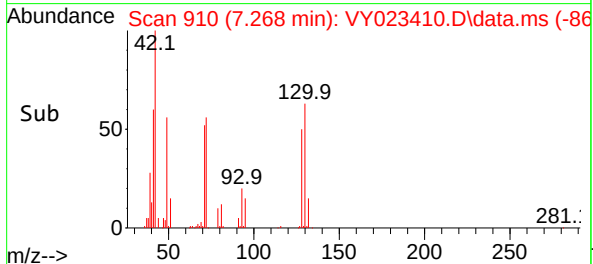
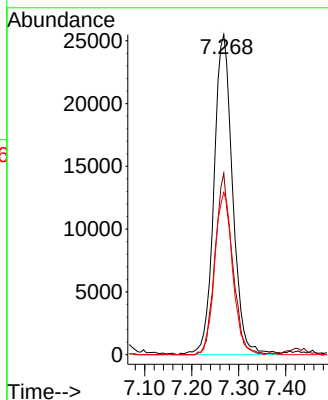
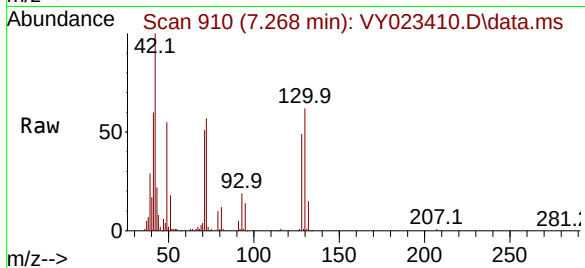
71 49.1 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#30

Chloroform

Concen: 20.913 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023410.D

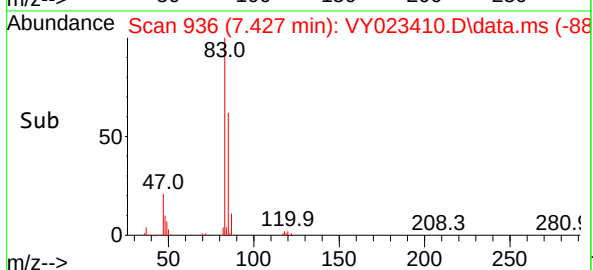
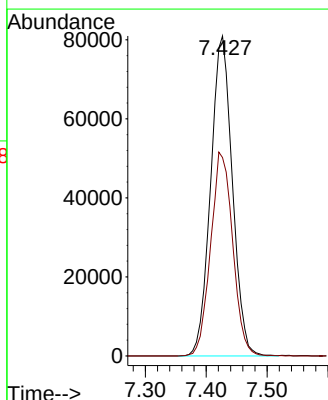
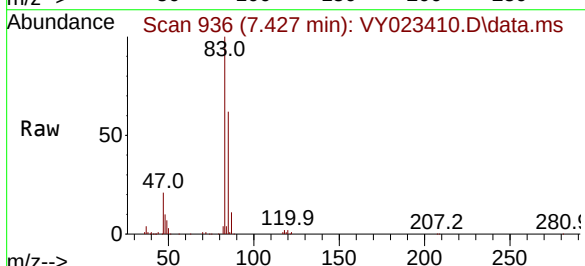
Acq: 09 Oct 2025 10:08

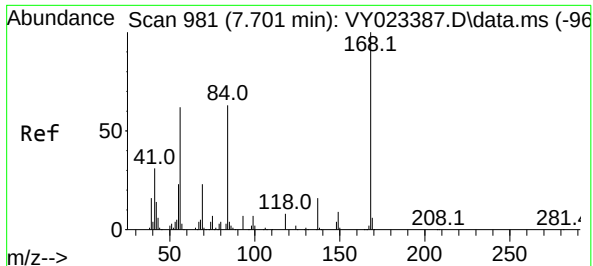
Tgt Ion: 83 Resp: 200410

Ion Ratio Lower Upper

83 100

85 62.0 52.5 78.7





#31

Cyclohexane

Concen: 20.227 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 56 Resp: 154069

Ion Ratio Lower Upper

56 100

69 44.3 30.0 45.0

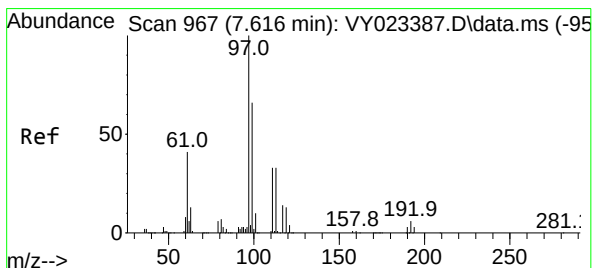
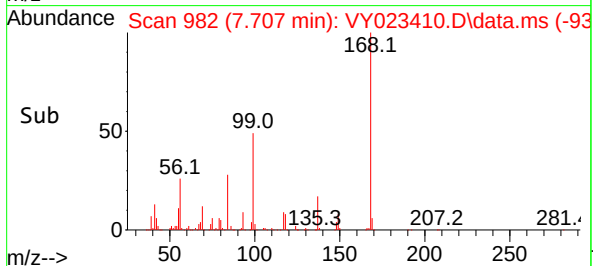
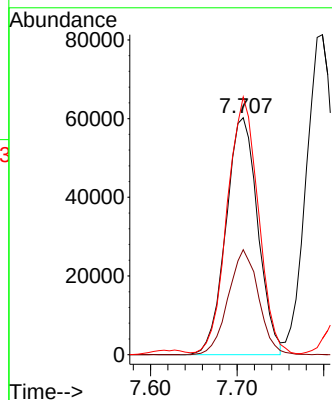
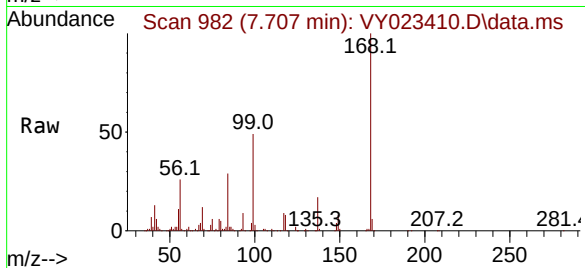
84 107.2 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 21.045 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

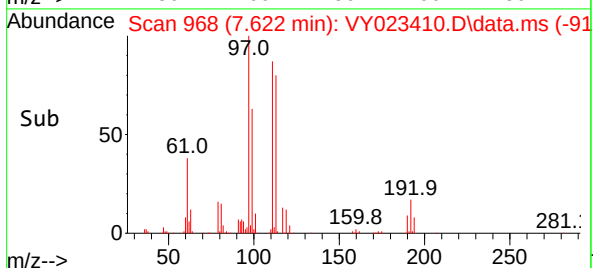
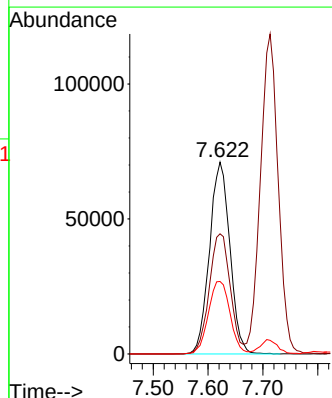
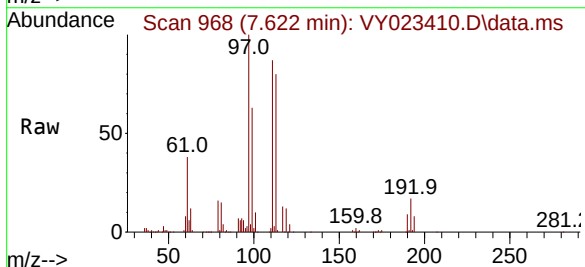
Tgt Ion: 97 Resp: 183274

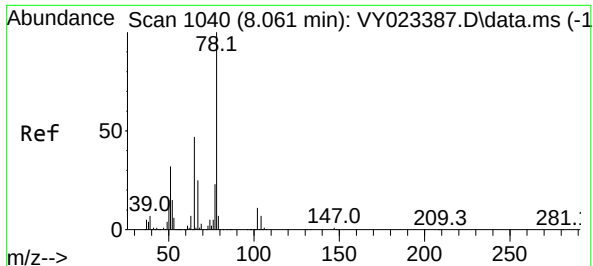
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

61 40.2 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 47.162 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 65 Resp: 215950

Ion Ratio Lower Upper

65 100

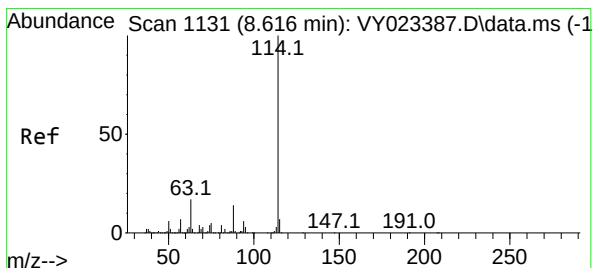
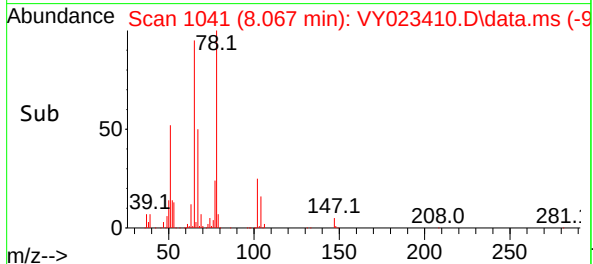
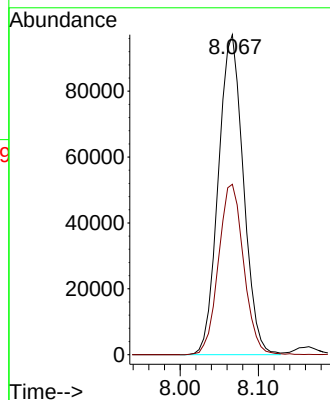
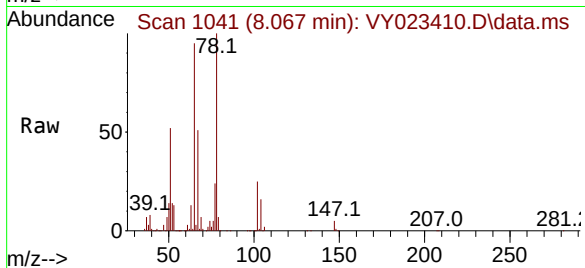
67 53.6 0.0 105.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

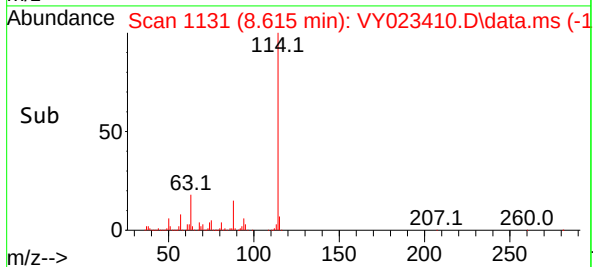
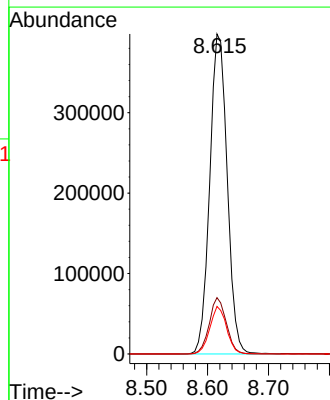
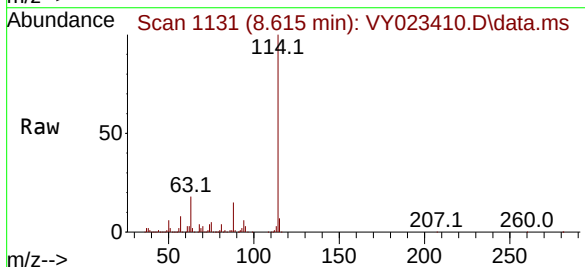
Tgt Ion:114 Resp: 791873

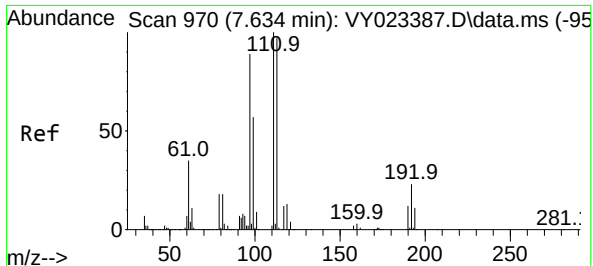
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

88 14.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 49.499 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:113 Resp: 24084

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

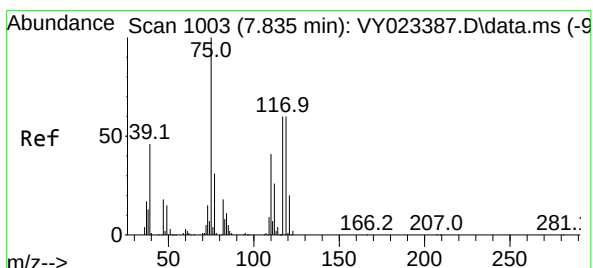
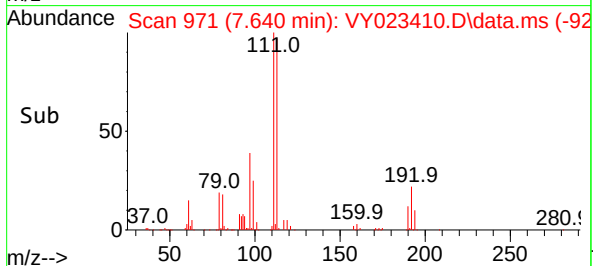
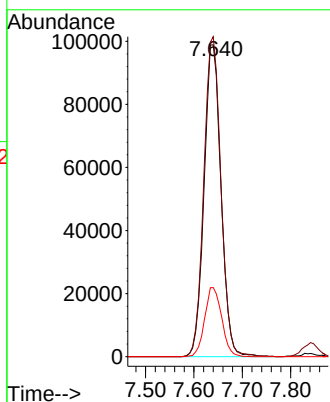
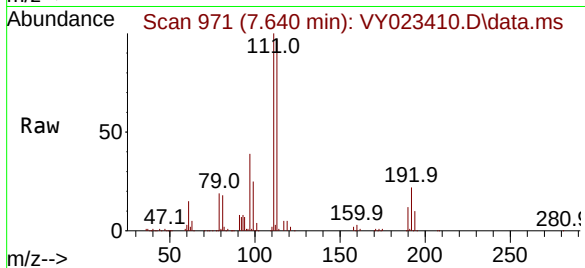
192 22.3 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#36

1,1-Dichloropropene

Concen: 21.519 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

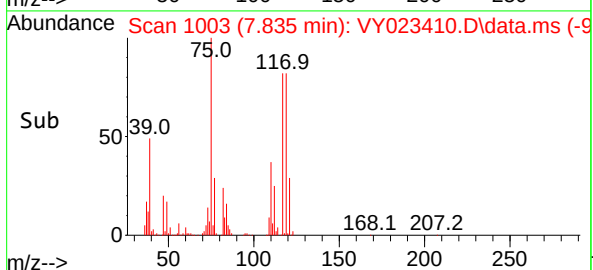
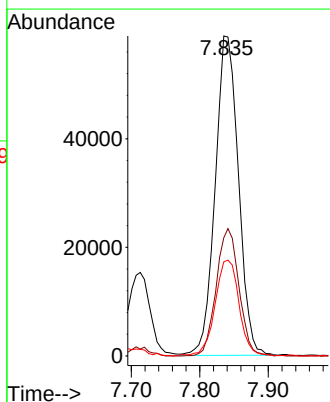
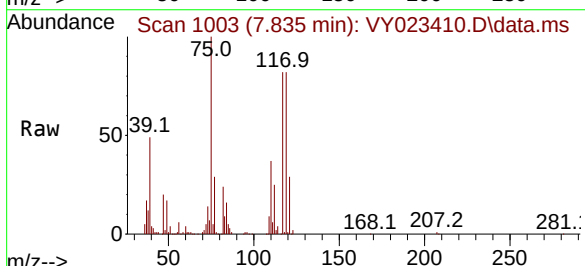
Tgt Ion: 75 Resp: 138615

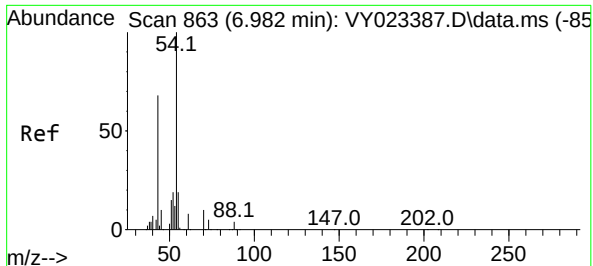
Ion Ratio Lower Upper

75 100

110 38.9 19.9 59.7

77 31.1 25.0 37.6





#37

Ethyl Acetate

Concen: 20.170 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

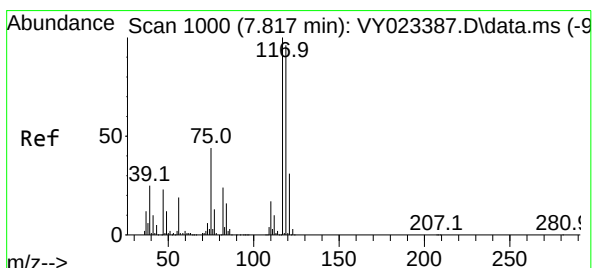
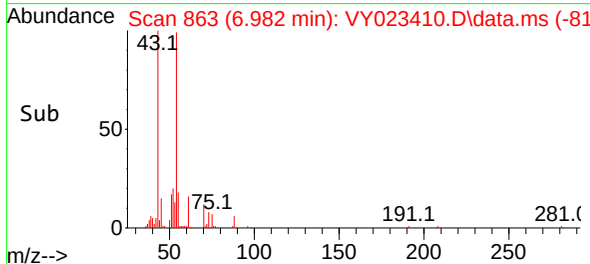
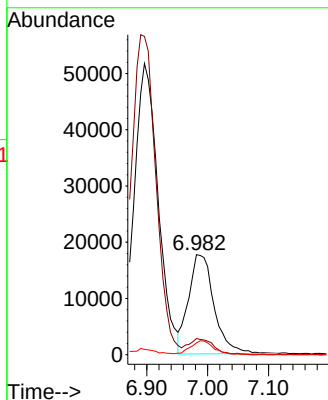
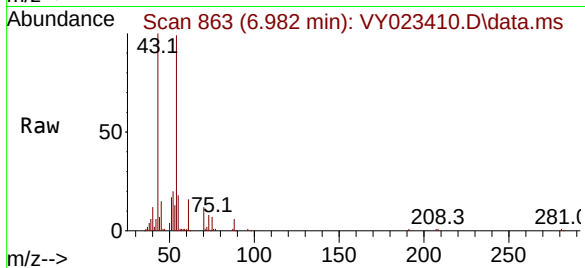
ClientSampleId :

VY1009SBS01

Tgt Ion:	43	Resp:	51479
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.8	10.5	15.7

Manual Integrations
APPROVED

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



#38

Carbon Tetrachloride

Concen: 21.377 ug/l

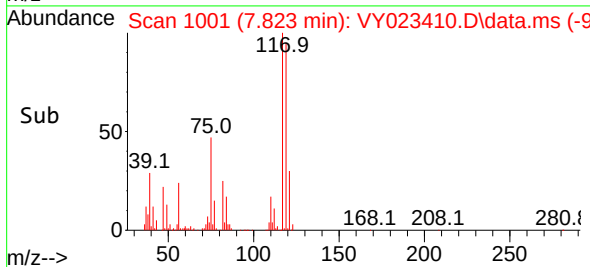
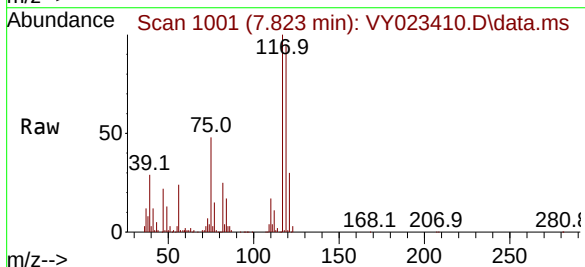
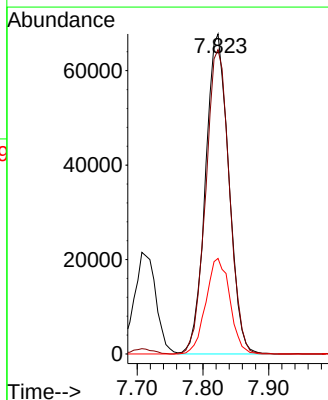
RT: 7.823 min Scan# 1001

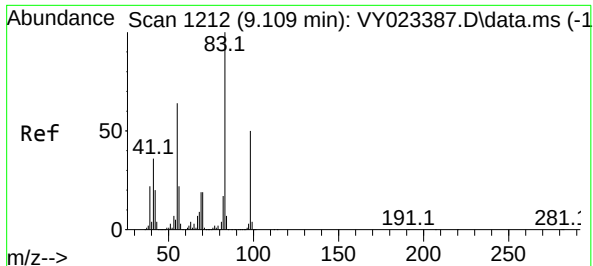
Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Tgt Ion:	117	Resp:	166972
Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.8	115.2
121	29.9	24.5	36.7





#39

Methylcyclohexane

Concen: 21.120 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 83 Resp: 177139

Ion Ratio Lower Upper

83 100

55 67.6 51.4 77.2

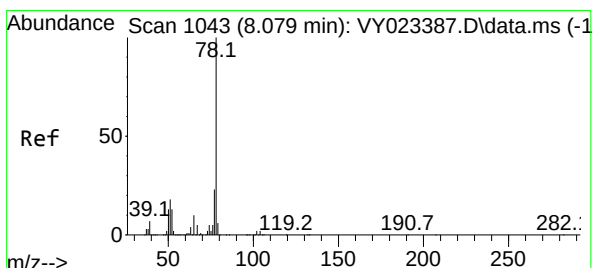
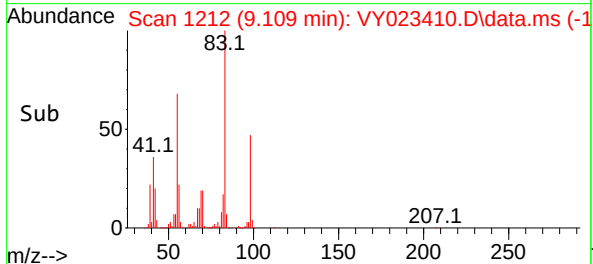
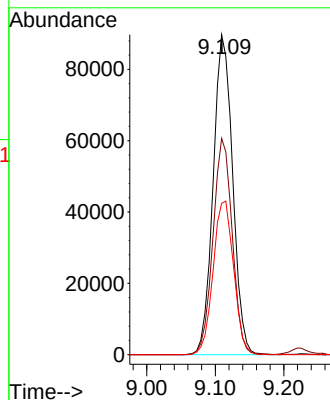
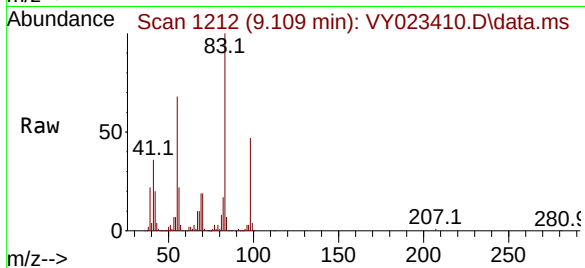
98 47.3 40.4 60.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#40

Benzene

Concen: 21.393 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023410.D

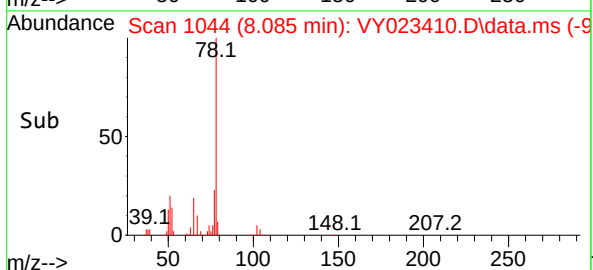
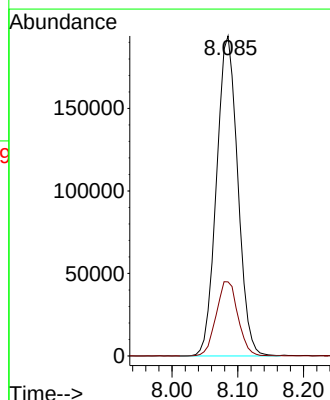
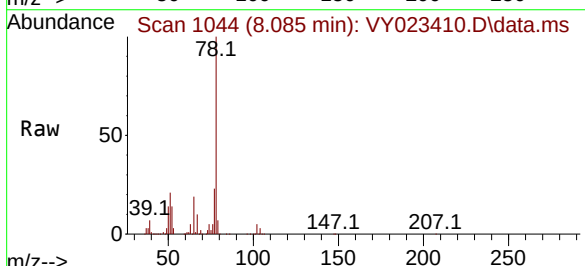
Acq: 09 Oct 2025 10:08

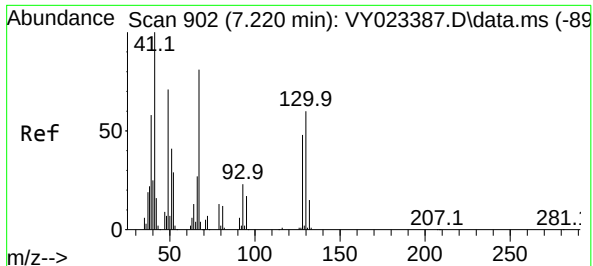
Tgt Ion: 78 Resp: 436426

Ion Ratio Lower Upper

78 100

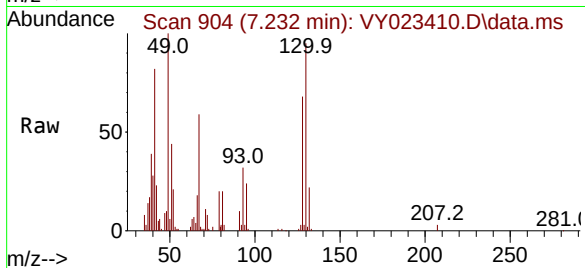
77 23.1 18.3 27.5





#41
Methacrylonitrile
Concen: 18.598 ug/l
RT: 7.232 min Scan# 902
Delta R.T. 0.012 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

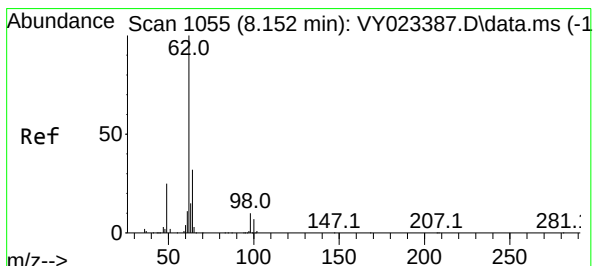
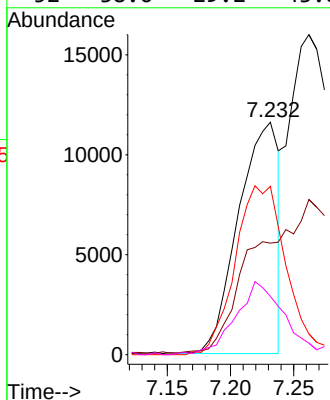
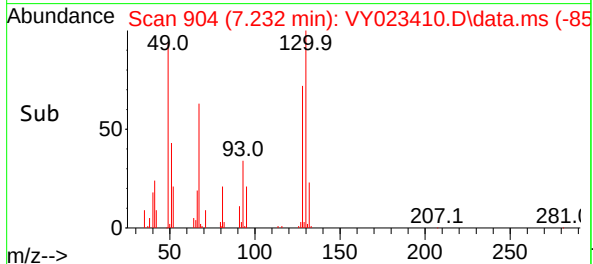
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01



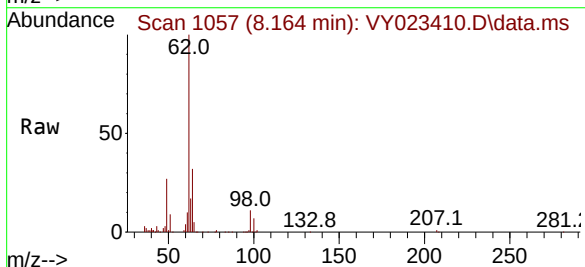
Tgt Ion: 41 Resp: 25670
Ion Ratio Lower Upper
41 100
39 0.0 52.2 78.4
67 93.0 74.9 112.3
52 38.6 29.2 43.8

Manual Integrations
APPROVED

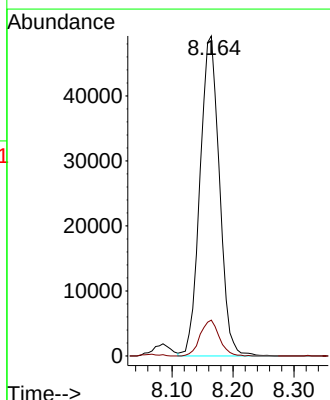
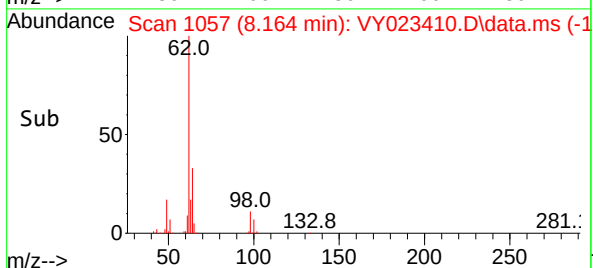
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

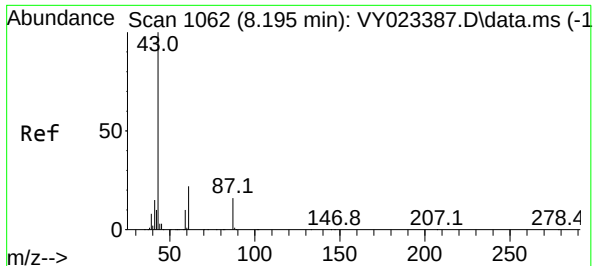


#42
1,2-Dichloroethane
Concen: 20.726 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.012 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



Tgt Ion: 62 Resp: 109045
Ion Ratio Lower Upper
62 100
98 11.0 0.0 21.6





#43

Isopropyl Acetate

Concen: 19.165 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

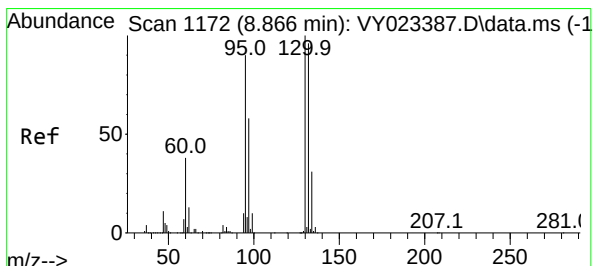
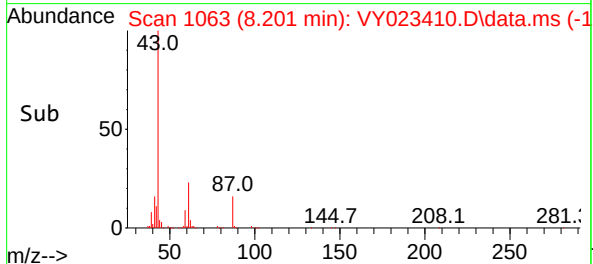
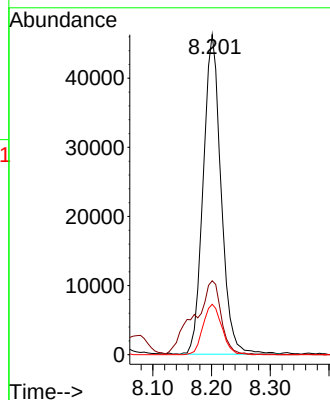
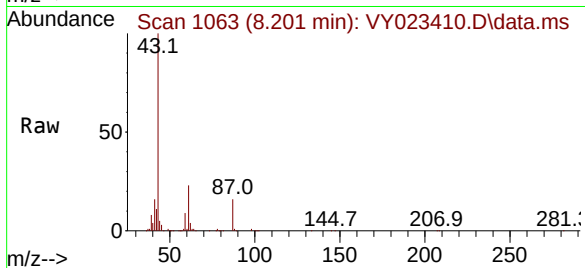
Tgt Ion:	43	Resp:	97524
Ion	Ratio	Lower	Upper
43	100		
61	34.7	18.1	27.1
87	16.6	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#44

Trichloroethene

Concen: 21.103 ug/l

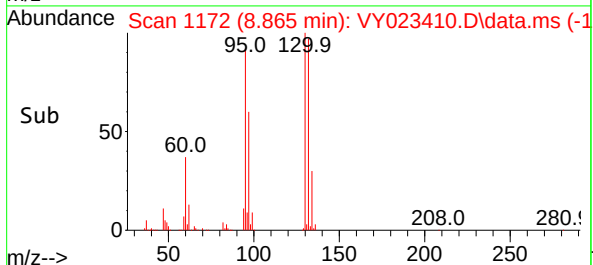
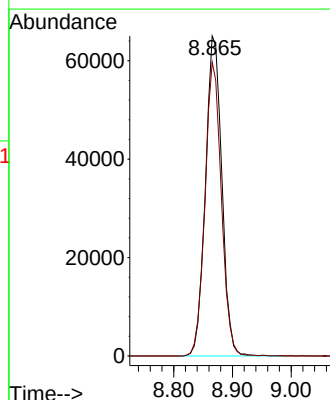
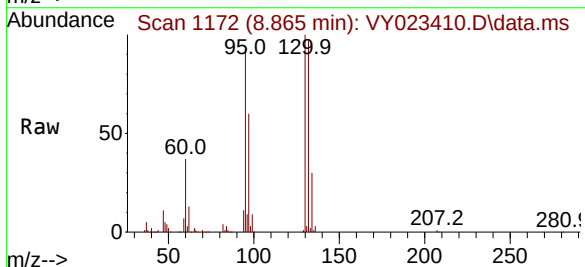
RT: 8.865 min Scan# 1172

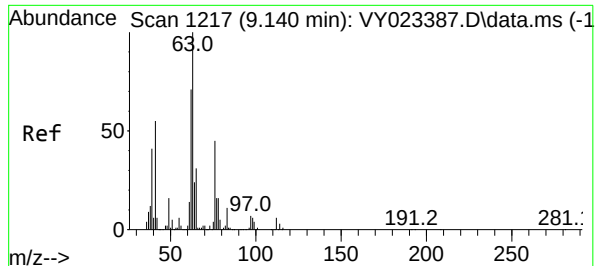
Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Tgt Ion:	130	Resp:	126004
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	180.6





#45

1,2-Dichloropropane

Concen: 21.294 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 63 Resp: 9595

Ion Ratio Lower Upper

63 100

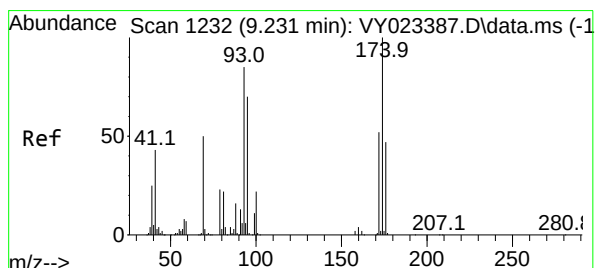
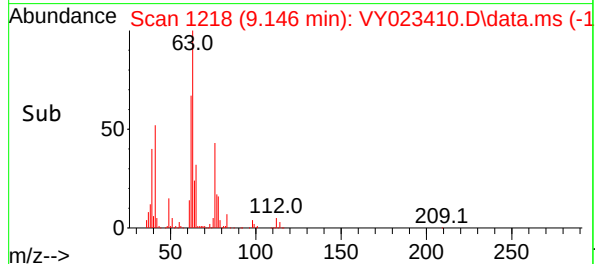
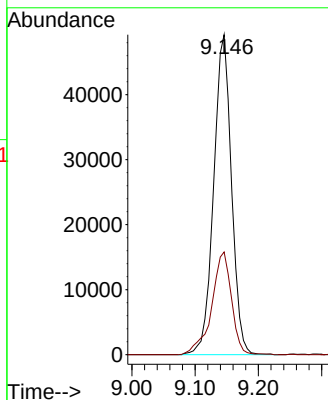
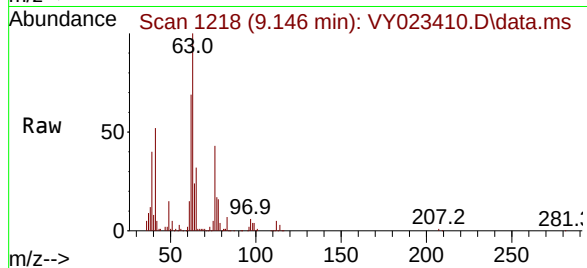
65 32.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#46

Dibromomethane

Concen: 20.831 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

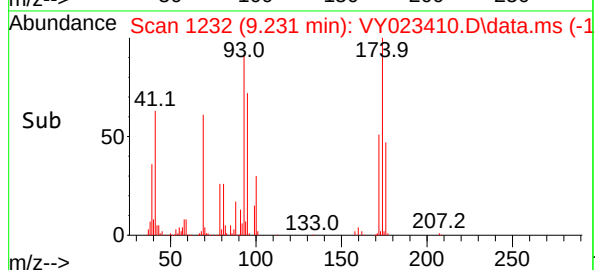
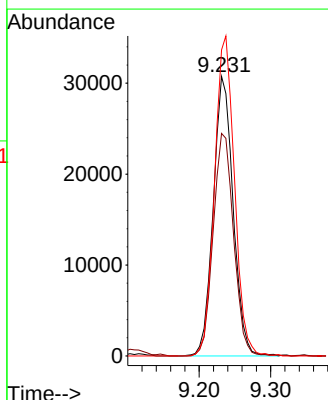
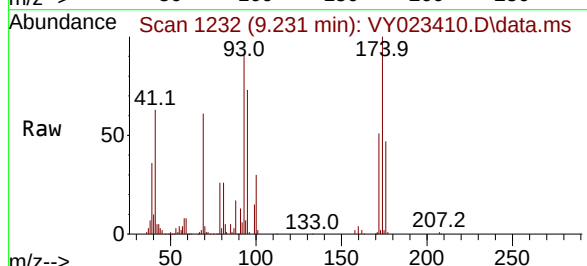
Tgt Ion: 93 Resp: 59353

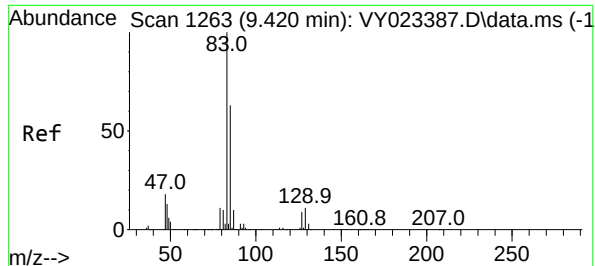
Ion Ratio Lower Upper

93 100

95 81.9 65.4 98.0

174 114.6 92.9 139.3





#47

Bromodichloromethane

Concen: 20.758 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 83 Resp: 14895

Ion Ratio Lower Upper

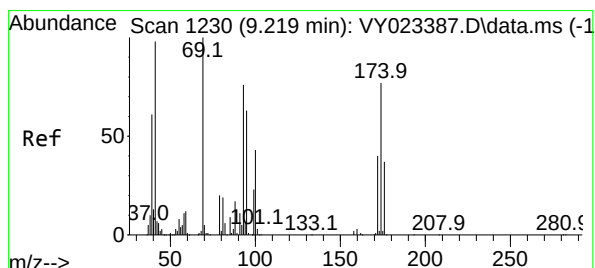
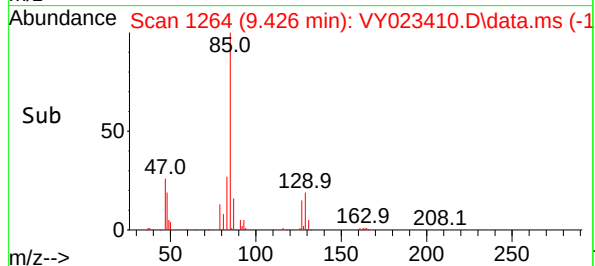
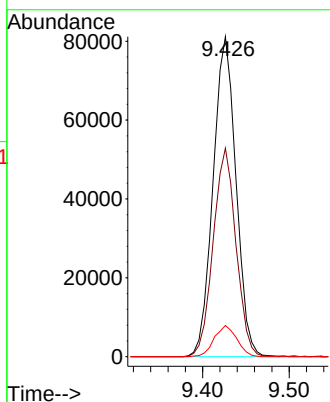
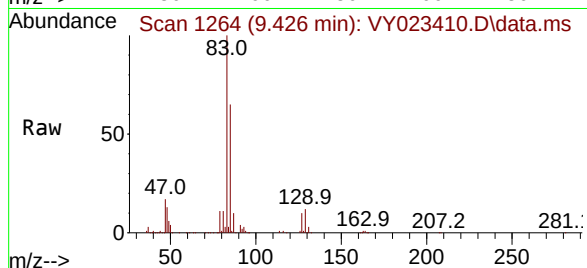
83 100

85 65.2 50.8 76.2

127 9.8 7.4 11.2

Manual Integrations

APPROVED

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

#48

Methyl methacrylate

Concen: 18.024 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

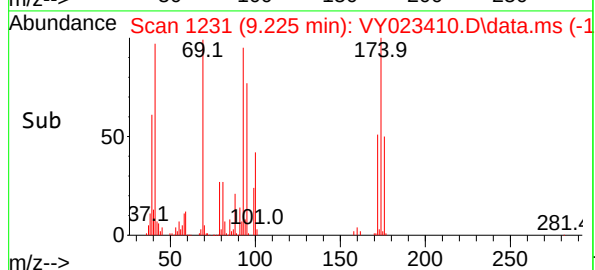
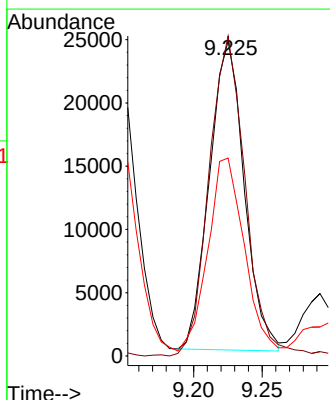
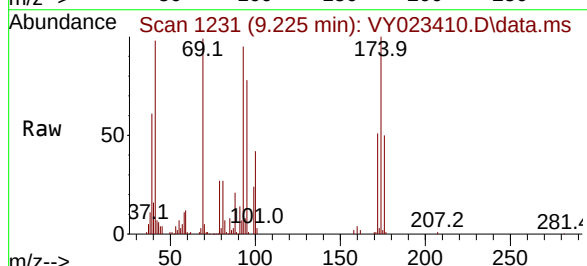
Tgt Ion: 41 Resp: 43089

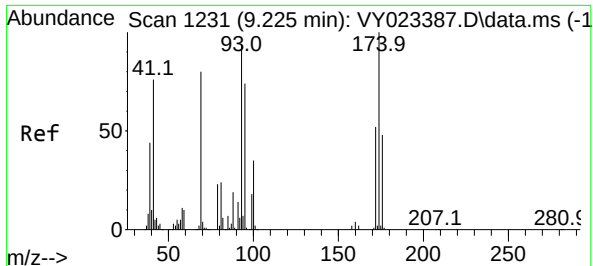
Ion Ratio Lower Upper

41 100

69 109.1 81.0 121.4

39 65.0 48.2 72.4





#49

1,4-Dioxane

Concen: 376.544 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBSD01

Tgt Ion: 88 Resp: 12439

Ion Ratio Lower Upper

88 100

43 29.8 21.8 32.8

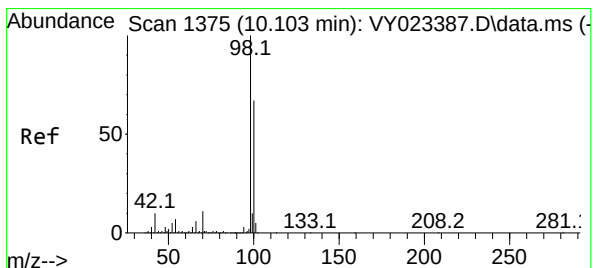
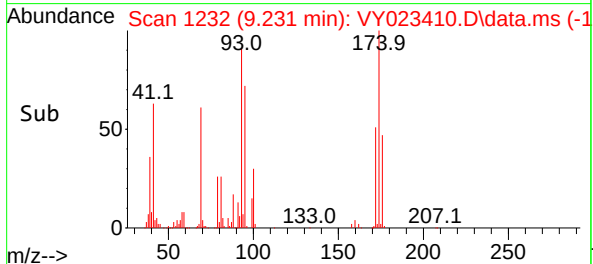
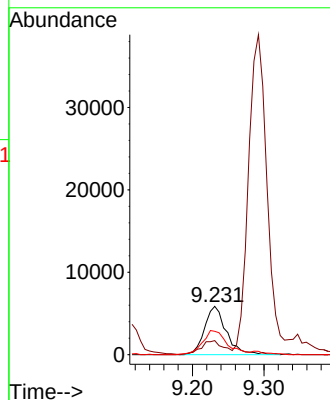
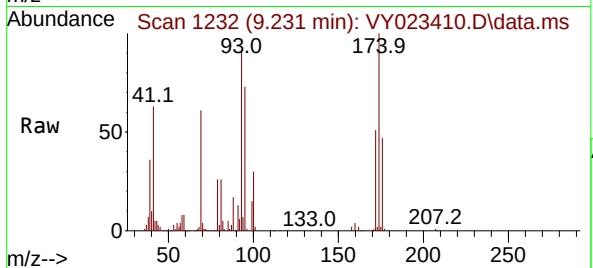
58 56.2 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#50

Toluene-d8

Concen: 50.348 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023410.D

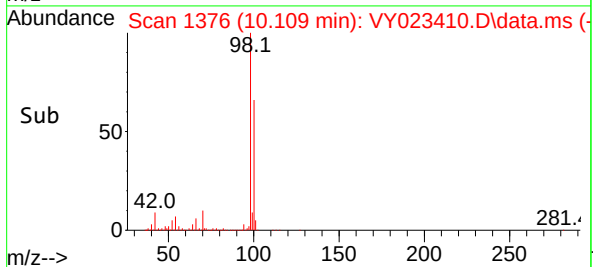
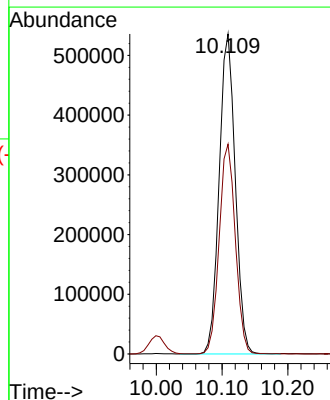
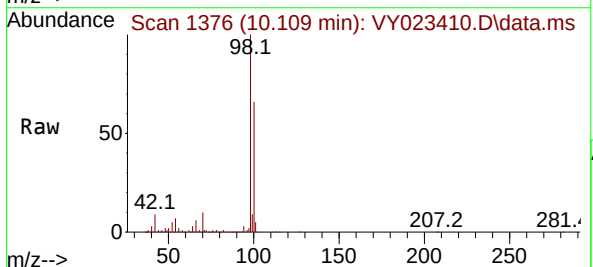
Acq: 09 Oct 2025 10:08

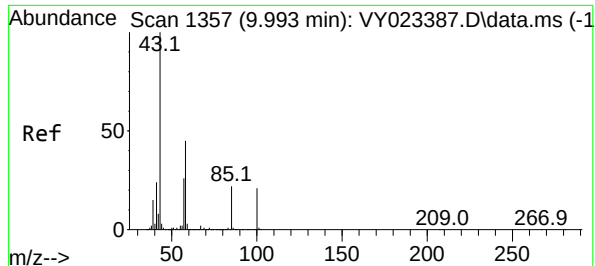
Tgt Ion: 98 Resp: 912325

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4





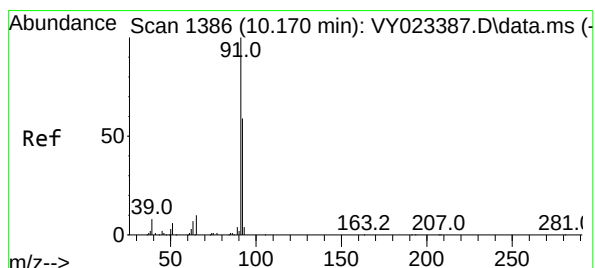
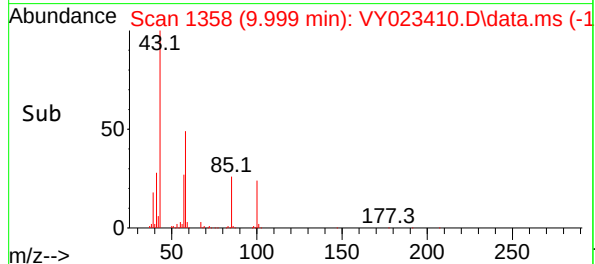
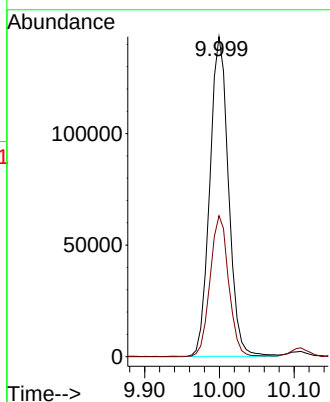
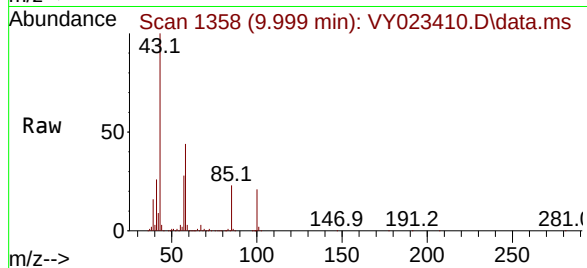
#51
4-Methyl-2-Pentanone
Concen: 94.838 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Tgt Ion: 43 Resp: 24934
Ion Ratio Lower Upper
43 100
58 43.8 35.3 52.9

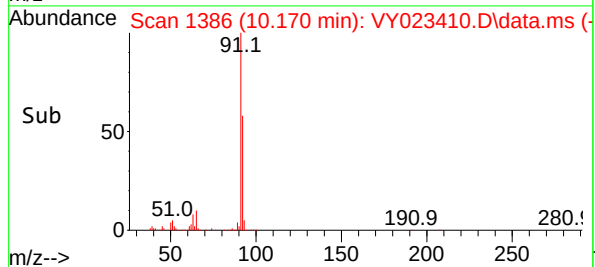
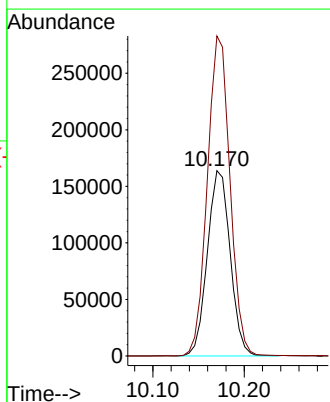
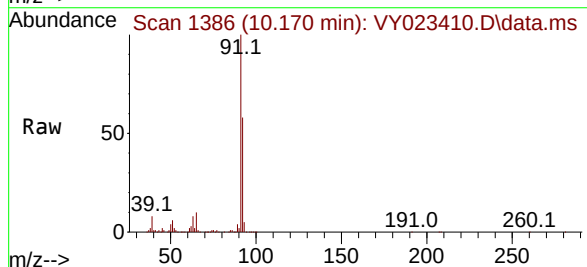
Manual Integrations
APPROVED

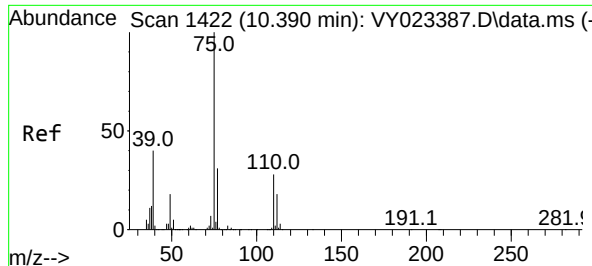
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#52
Toluene
Concen: 21.449 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 92 Resp: 284102
Ion Ratio Lower Upper
92 100
91 171.7 136.4 204.6





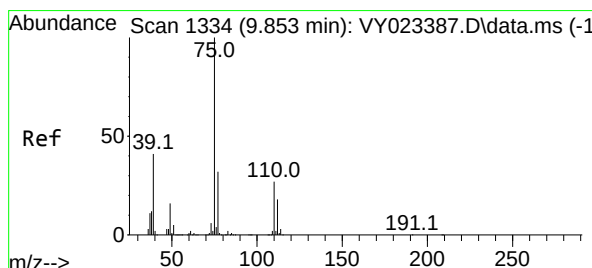
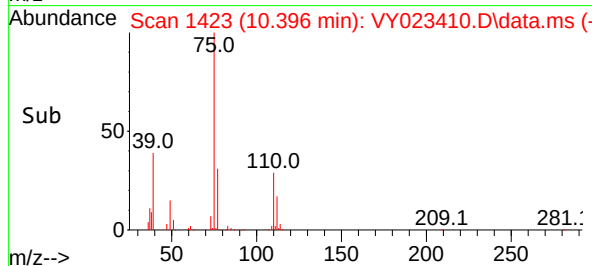
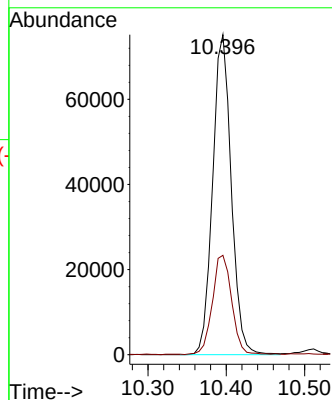
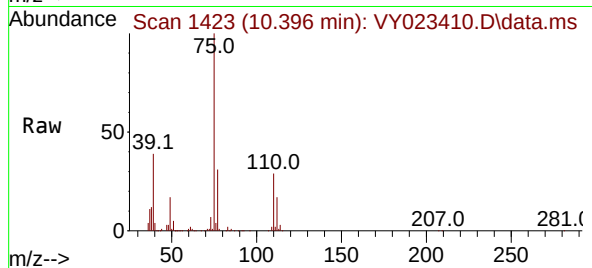
#53
t-1,3-Dichloropropene
Concen: 19.898 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion: 75 Resp: 124152
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7

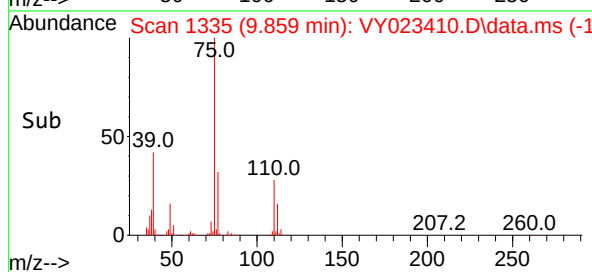
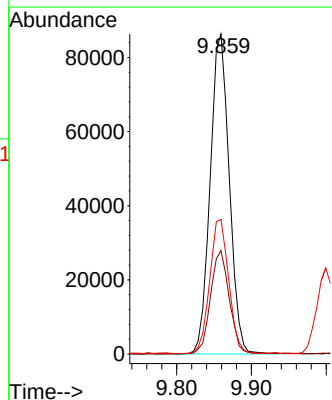
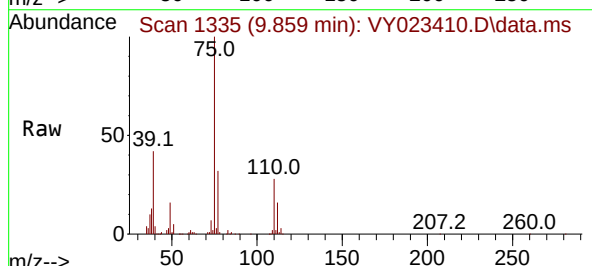
Manual Integrations
APPROVED

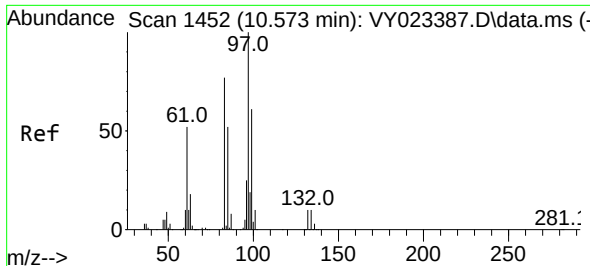
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#54
cis-1,3-Dichloropropene
Concen: 20.809 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 75 Resp: 153238
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 42.0 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 20.422 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBSD01

Tgt Ion: 97 Resp: 7824

Ion Ratio Lower Upper

97 100

83 88.3 61.8 92.6

85 56.9 41.3 61.9

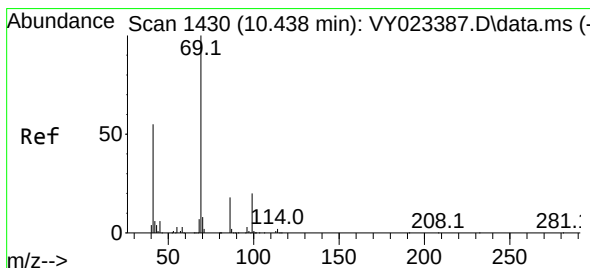
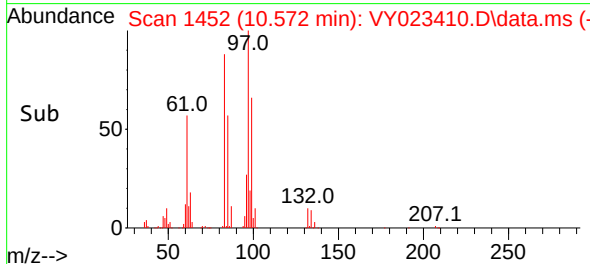
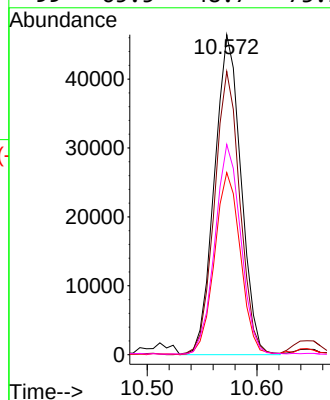
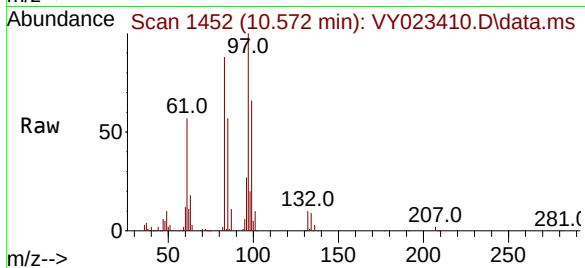
99 65.5 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#56

Ethyl methacrylate

Concen: 18.797 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

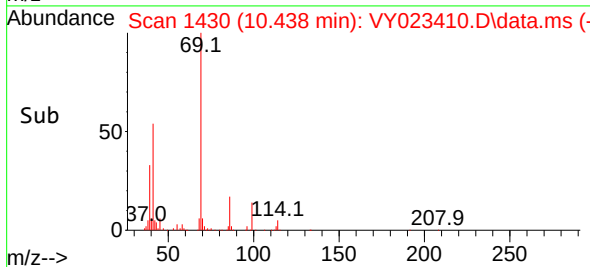
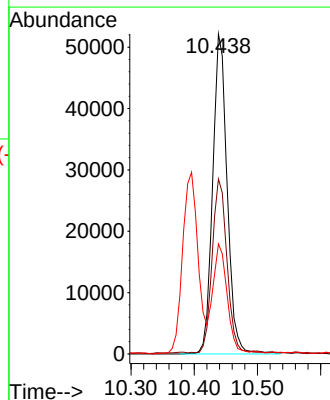
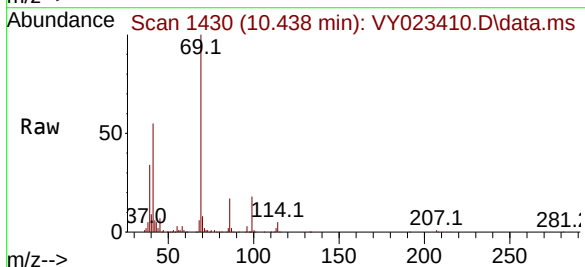
Tgt Ion: 69 Resp: 83077

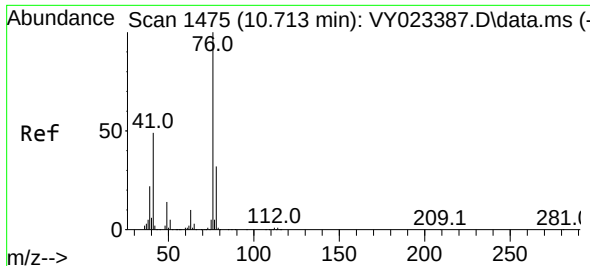
Ion Ratio Lower Upper

69 100

41 55.0 44.6 67.0

39 32.7 27.0 40.4





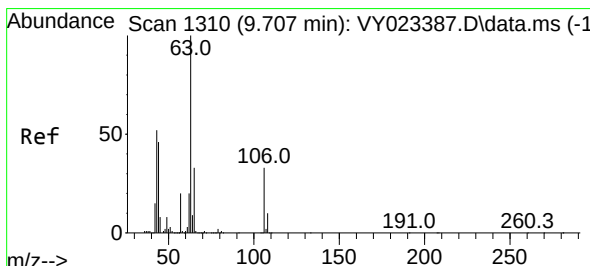
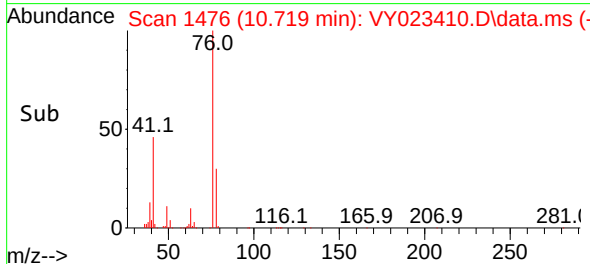
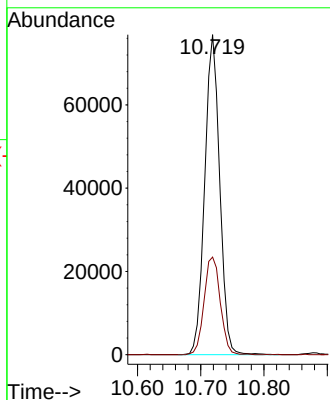
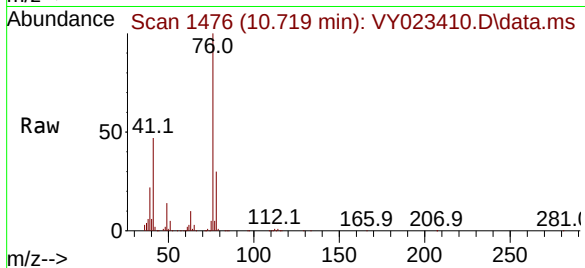
#57
1,3-Dichloropropane
Concen: 20.856 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01

Tgt Ion: 76 Resp: 126624
Ion Ratio Lower Upper
76 100
78 33.0 25.9 38.9

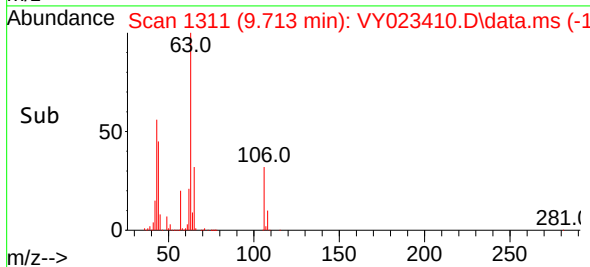
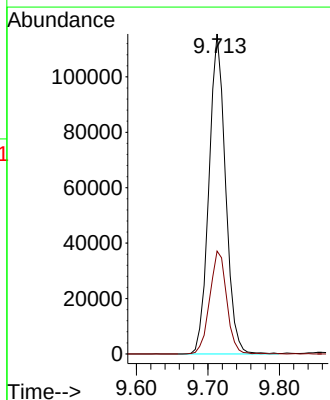
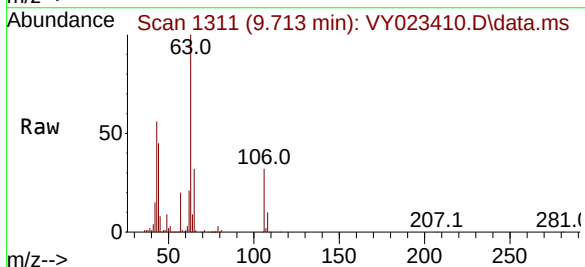
Manual Integrations
APPROVED

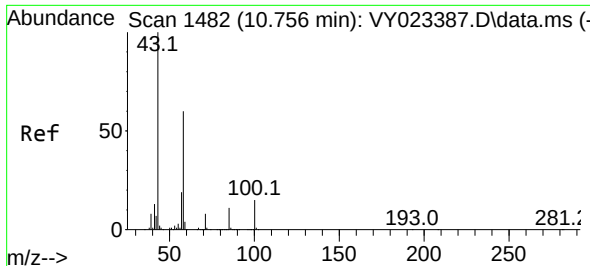
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#58
2-Chloroethyl Vinyl ether
Concen: 93.826 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

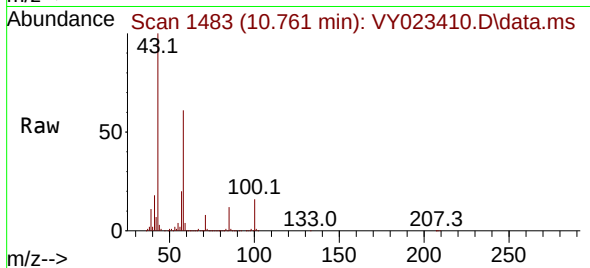
Tgt Ion: 63 Resp: 185766
Ion Ratio Lower Upper
63 100
106 32.9 26.6 39.8





#59
2-Hexanone
Concen: 103.740 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

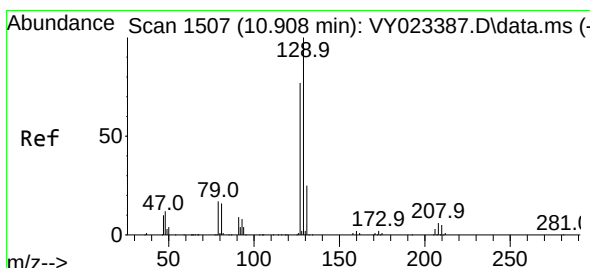
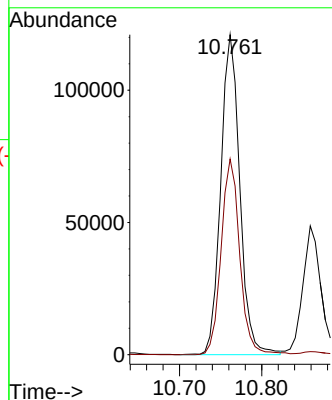
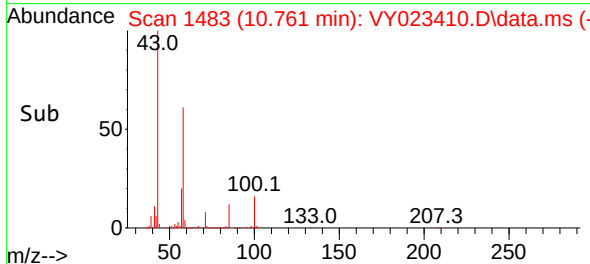
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



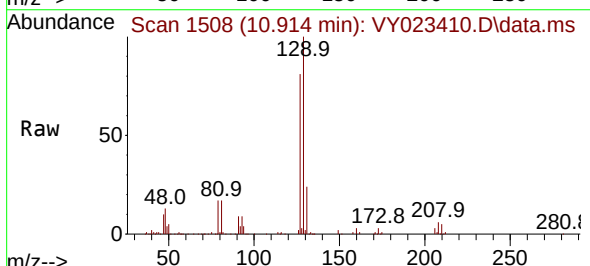
Tgt Ion: 43 Resp: 19492
Ion Ratio Lower Upper
43 100
58 59.9 30.5 91.5

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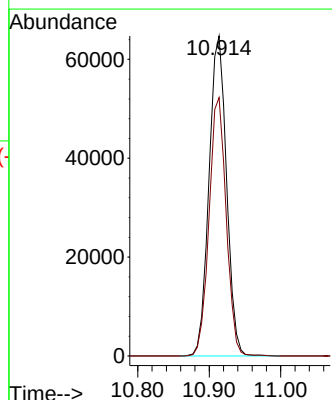
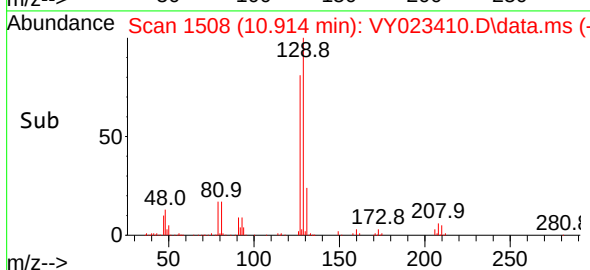
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

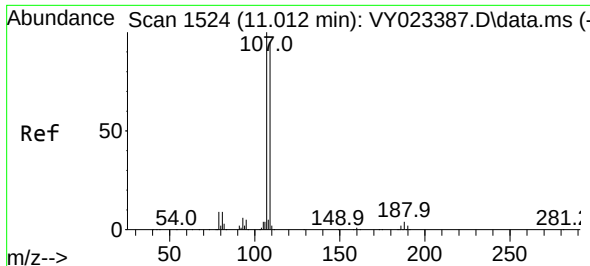


#60
Dibromochloromethane
Concen: 20.491 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



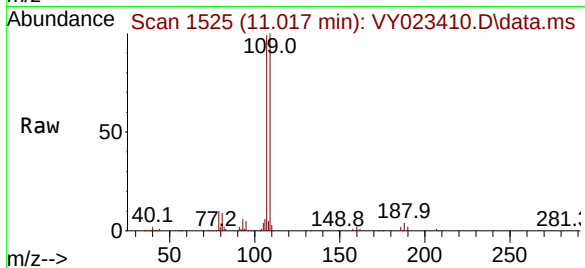
Tgt Ion:129 Resp: 110073
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.7





#61
1,2-Dibromoethane
Concen: 20.012 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

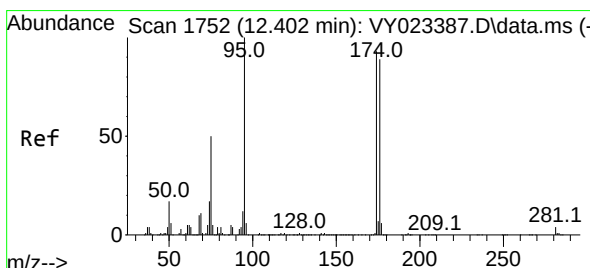
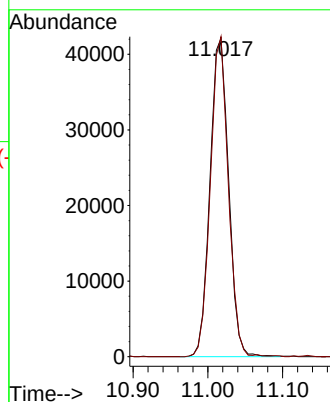
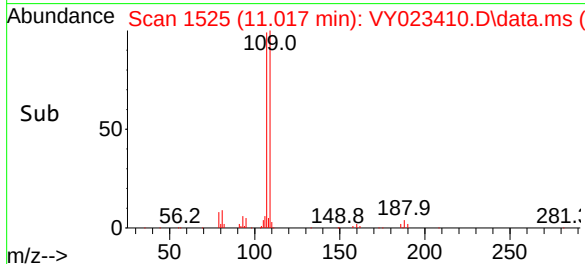
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01



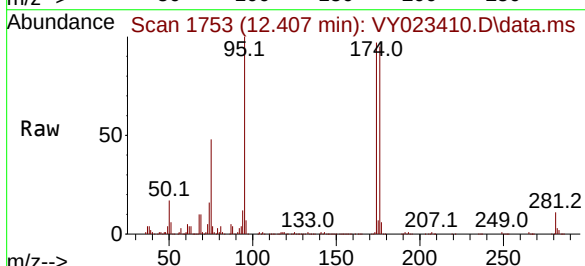
Tgt Ion:107 Resp: 73124
Ion Ratio Lower Upper
107 100
109 96.8 76.1 114.1

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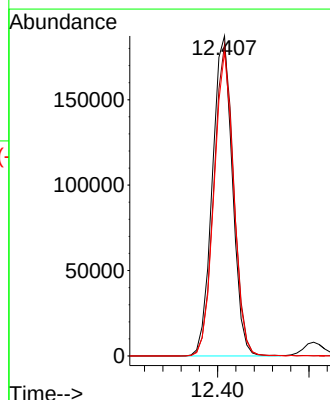
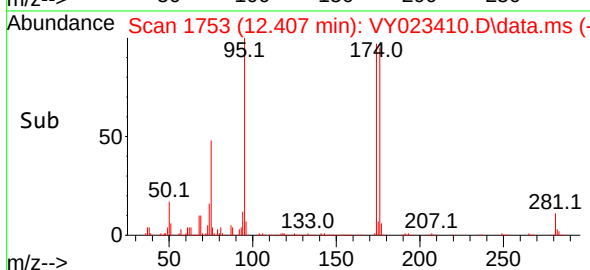
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

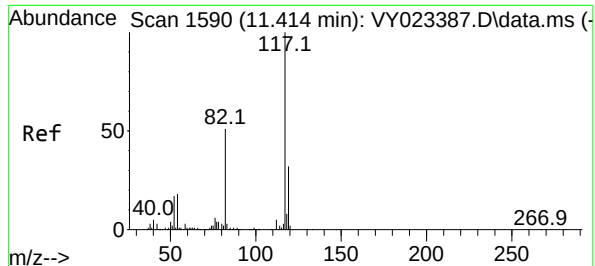


#62
4-Bromofluorobenzene
Concen: 47.716 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



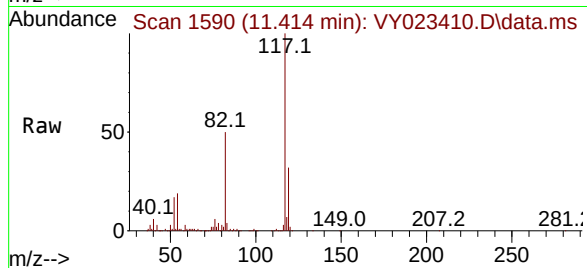
Tgt Ion: 95 Resp: 285456
Ion Ratio Lower Upper
95 100
174 96.6 0.0 192.8
176 93.1 0.0 187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

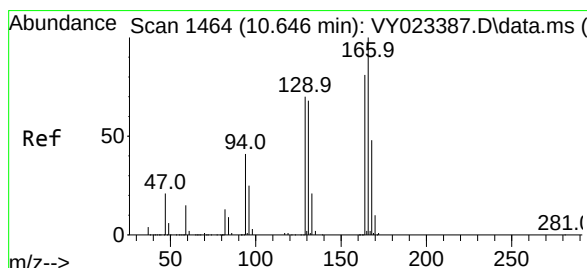
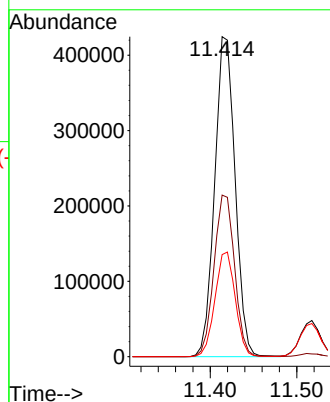
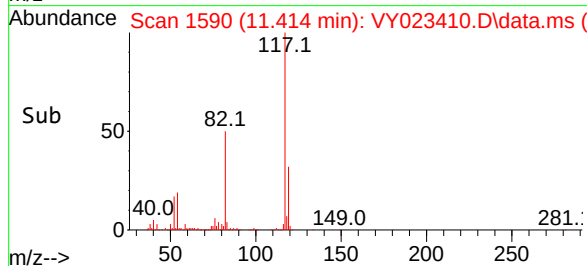
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01



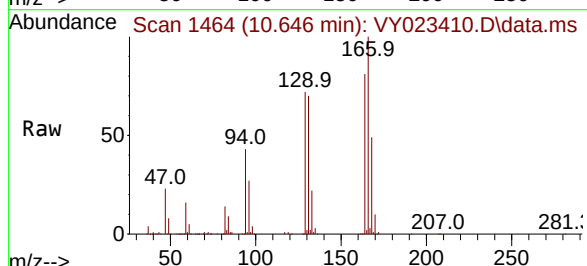
Tgt Ion:117 Resp: 69655
Ion Ratio Lower Upper
117 100
82 50.5 41.0 61.4
119 31.9 25.6 38.4

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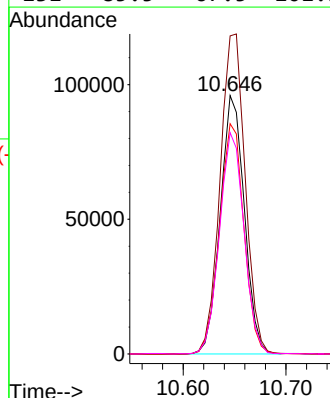
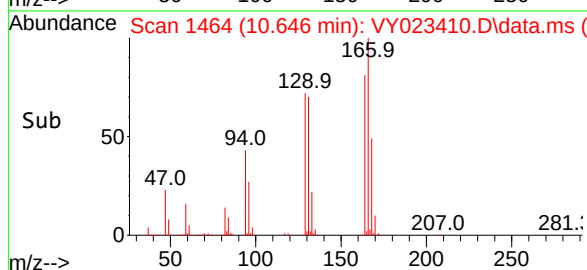
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

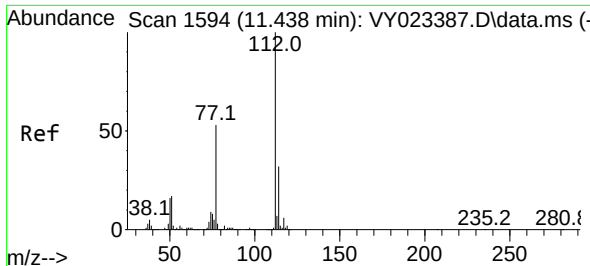


#64
Tetrachloroethene
Concen: 21.712 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



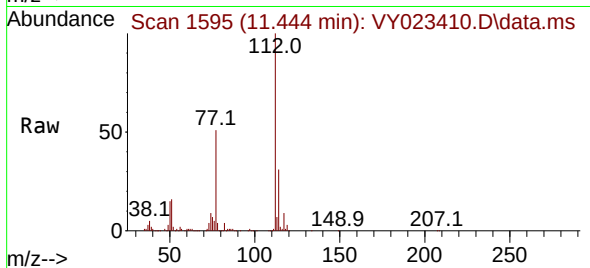
Tgt Ion:164 Resp: 156158
Ion Ratio Lower Upper
164 100
166 123.0 99.4 149.0
129 89.1 69.4 104.2
131 85.5 67.5 101.3





#65
Chlorobenzene
Concen: 21.169 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

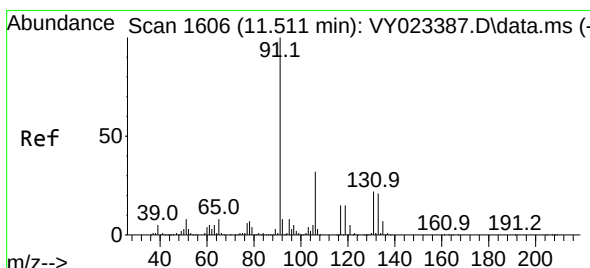
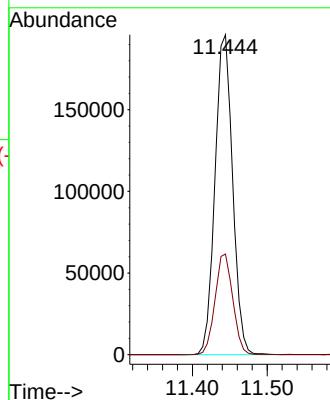
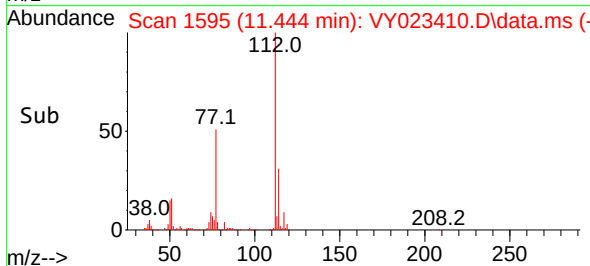
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



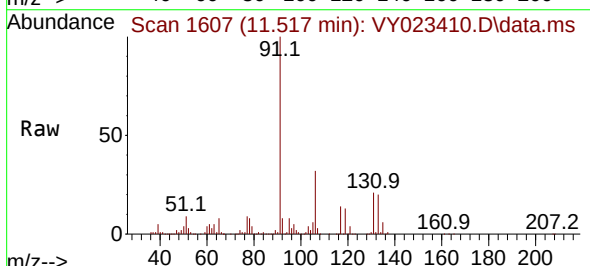
Tgt Ion:112 Resp: 320704
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

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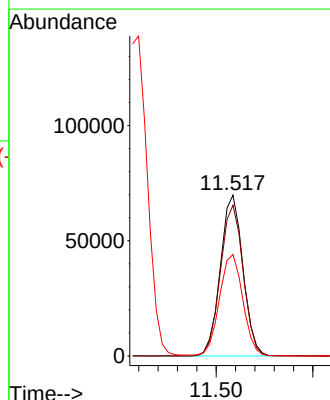
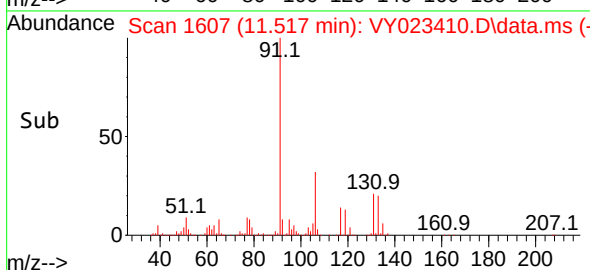
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

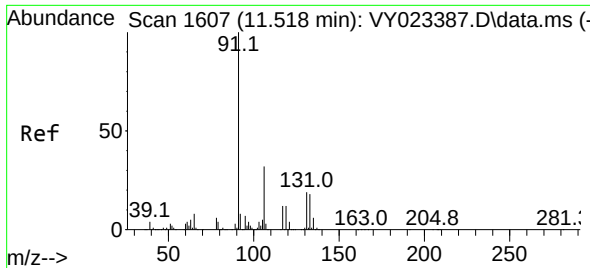


#66
1,1,1,2-Tetrachloroethane
Concen: 20.929 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



Tgt Ion:131 Resp: 112990
Ion Ratio Lower Upper
131 100
133 94.7 48.4 145.2
119 65.5 32.4 97.2





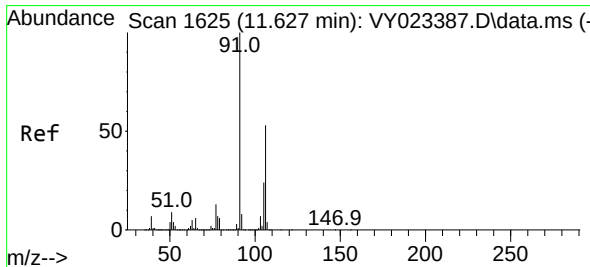
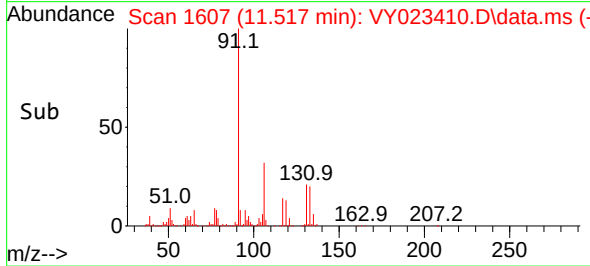
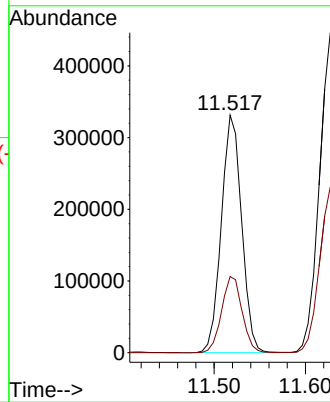
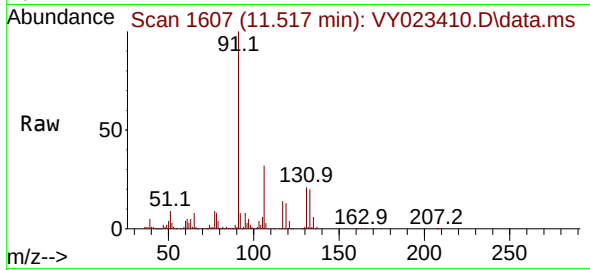
#67
Ethyl Benzene
Concen: 20.873 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion: 91 Resp: 511858
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8

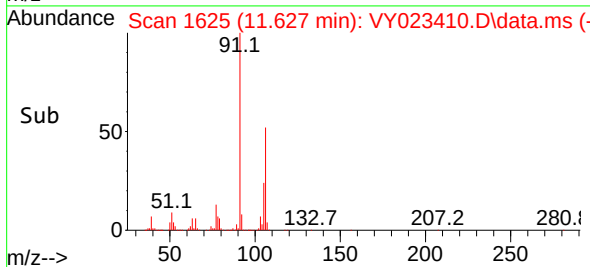
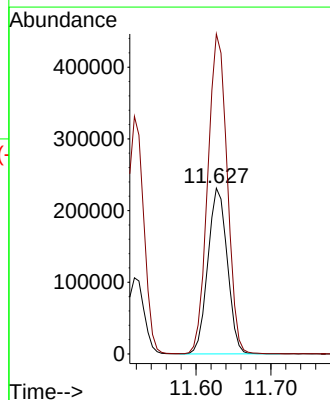
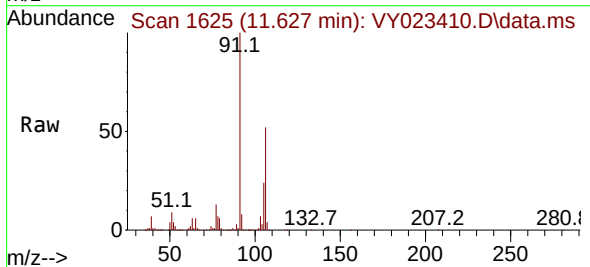
Manual Integrations
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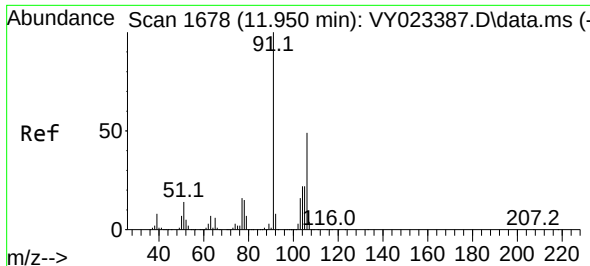
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#68
m/p-Xylenes
Concen: 42.346 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion:106 Resp: 416514
Ion Ratio Lower Upper
106 100
91 193.3 152.6 229.0





#69

o-Xylene

Concen: 20.713 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBSD01

Tgt Ion:106 Resp: 191098

Ion Ratio Lower Upper

106 100

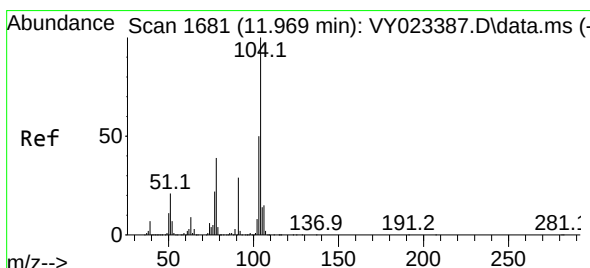
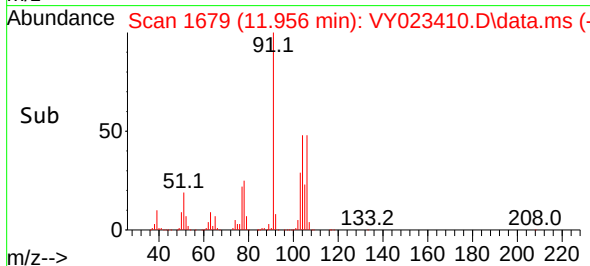
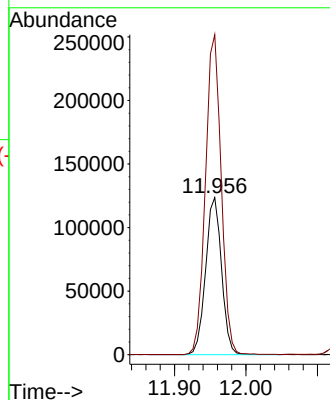
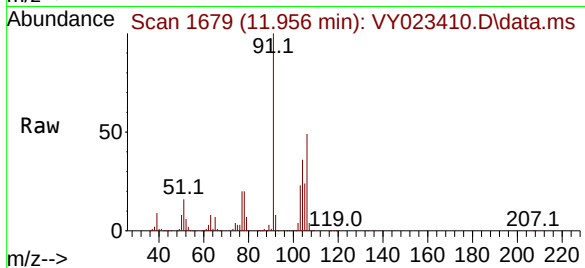
91 201.8 101.4 304.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#70

Styrene

Concen: 20.739 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

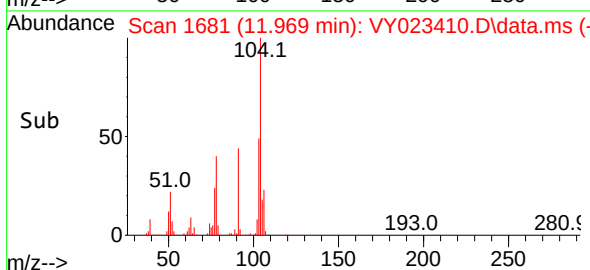
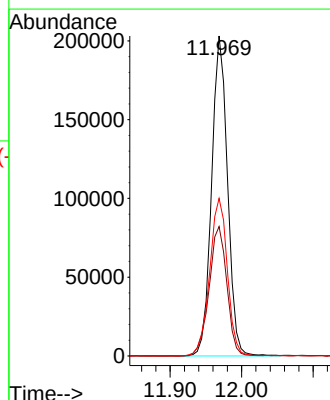
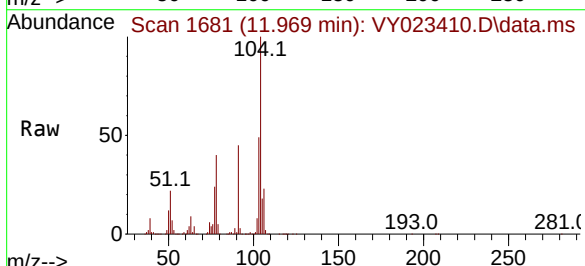
Tgt Ion:104 Resp: 314637

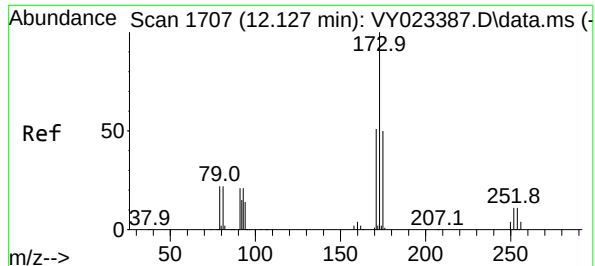
Ion Ratio Lower Upper

104 100

78 45.0 36.1 54.1

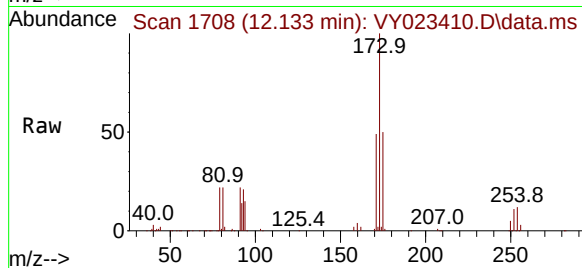
103 54.7 43.2 64.8





#71
Bromoform
Concen: 19.504 ug/l
RT: 12.133 min Scan# 1707
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

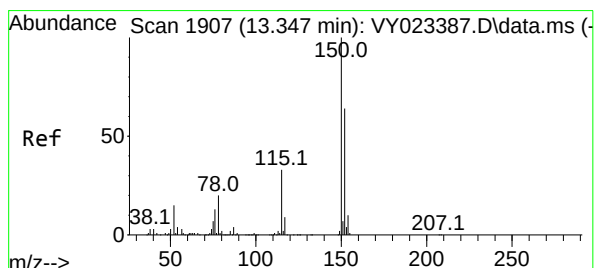
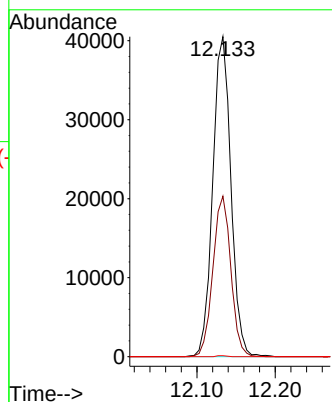
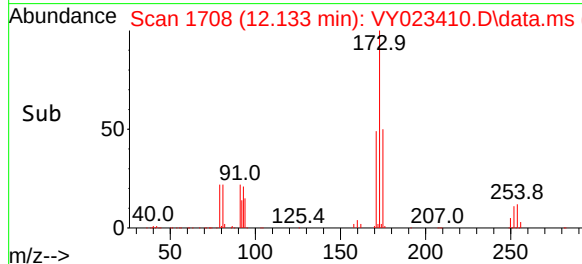
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



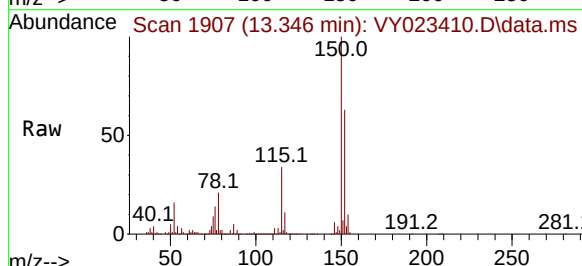
Tgt Ion:173 Resp: 65314
Ion Ratio Lower Upper
173 100
175 49.5 24.8 74.3
254 0.2 0.1 0.1

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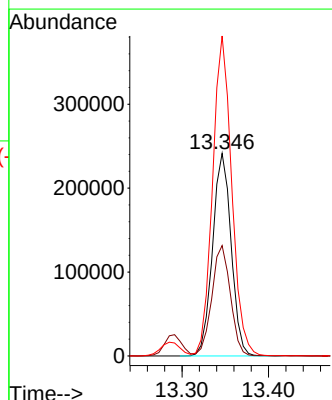
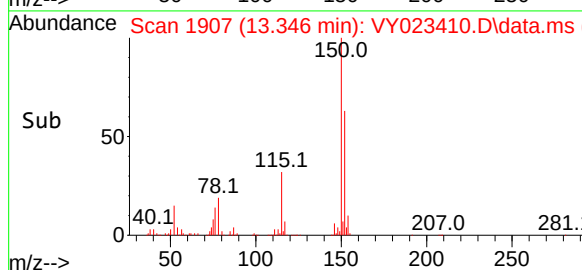
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

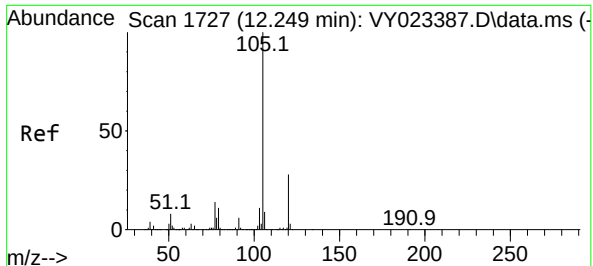


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



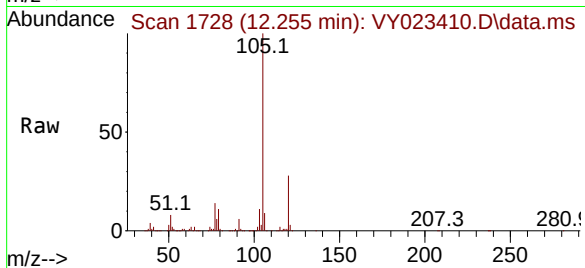
Tgt Ion:152 Resp: 359830
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.2
150 163.3 0.0 347.4





#73
Isopropylbenzene
Concen: 21.057 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

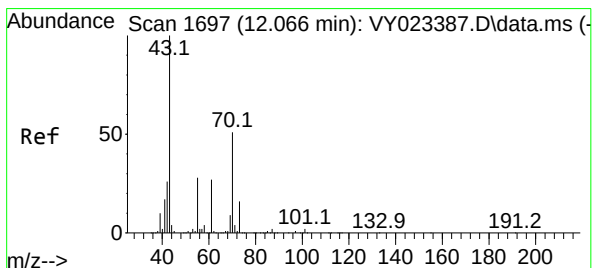
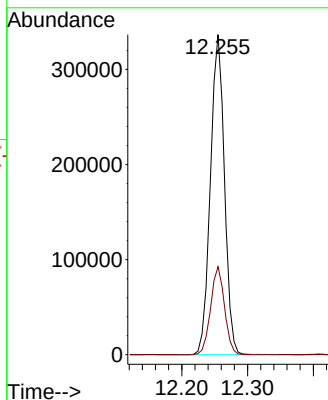
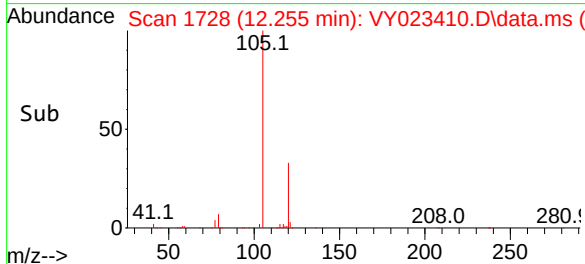
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



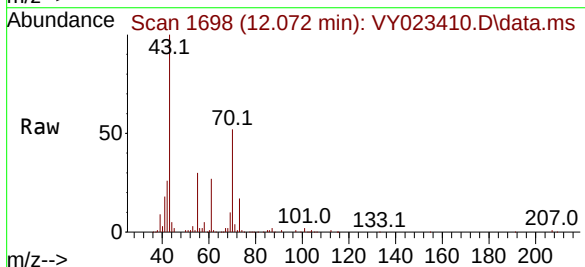
Tgt Ion:105 Resp: 499324
Ion Ratio Lower Upper
105 100
120 27.1 13.9 41.7

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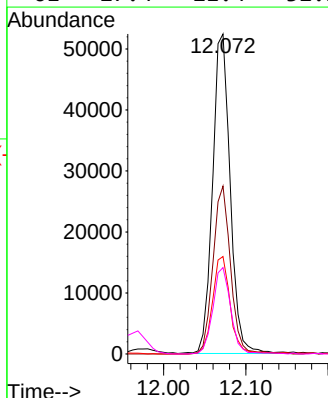
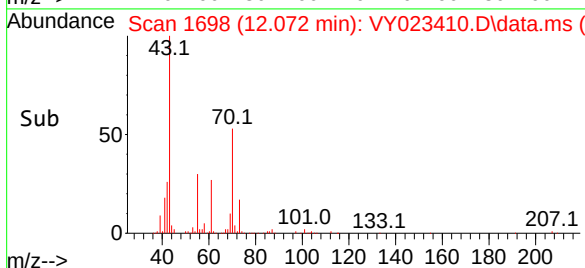
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

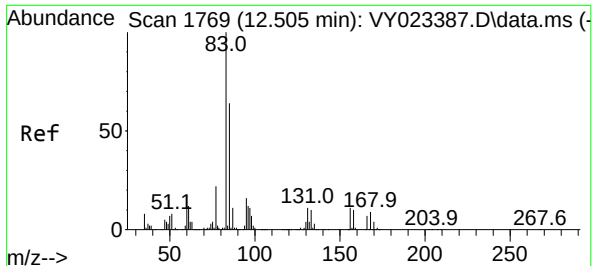


#74
N-ethyl acetate
Concen: 18.309 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



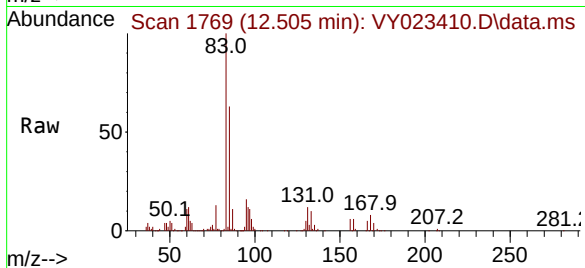
Tgt Ion: 43 Resp: 77981
Ion Ratio Lower Upper
43 100
70 52.6 41.1 61.7
55 30.8 23.0 34.6
61 27.4 21.4 32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.724 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

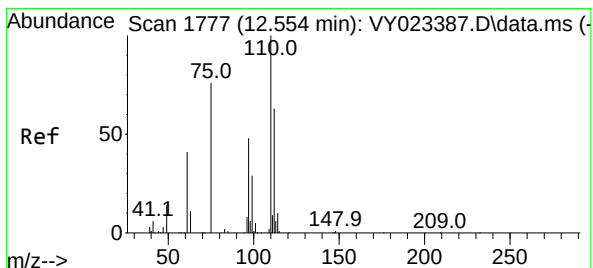
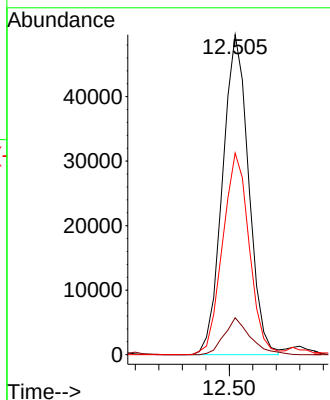
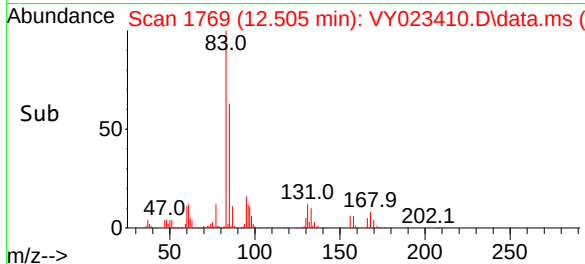
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBSD01



Tgt Ion: 83 Resp: 76498
Ion Ratio Lower Upper
83 100
131 11.5 5.9 17.6
85 64.1 31.8 95.3

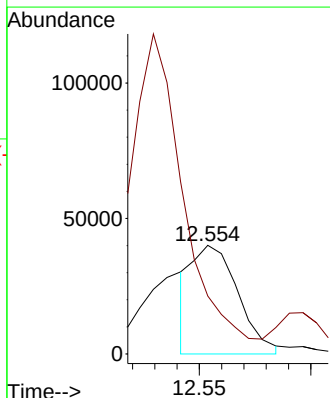
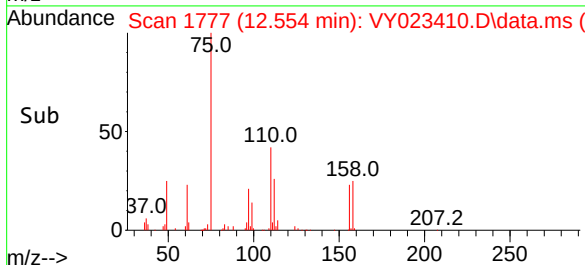
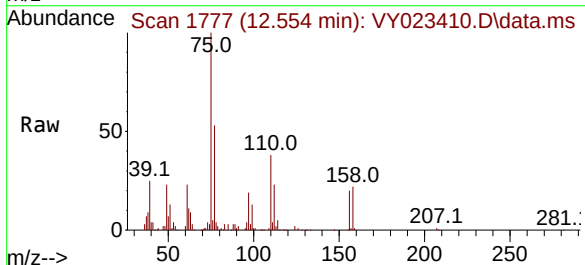
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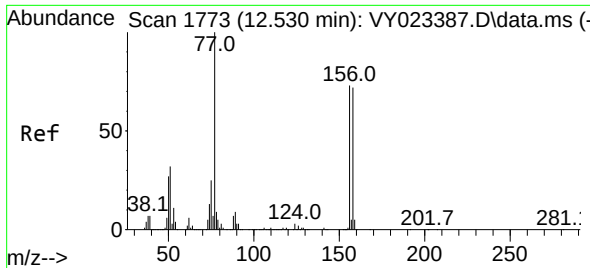
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#76
1,2,3-Trichloropropane
Concen: 18.223 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 75 Resp: 57851
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





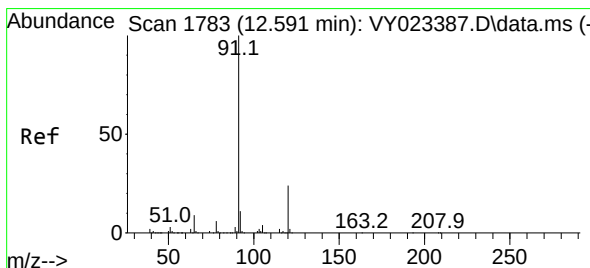
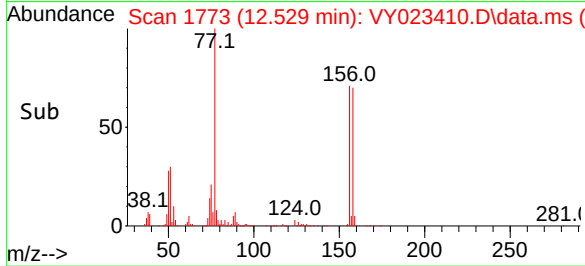
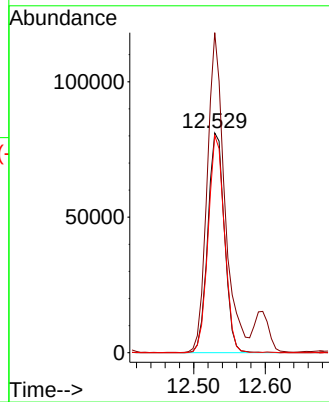
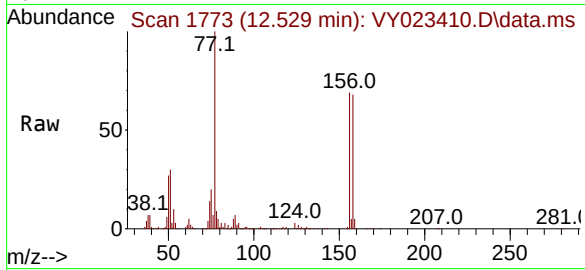
#77
Bromobenzene
Concen: 20.729 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01

Tgt Ion:156 Resp: 13068
Ion Ratio Lower Upper
156 100
77 154.1 76.8 230.5
158 97.1 49.0 147.2

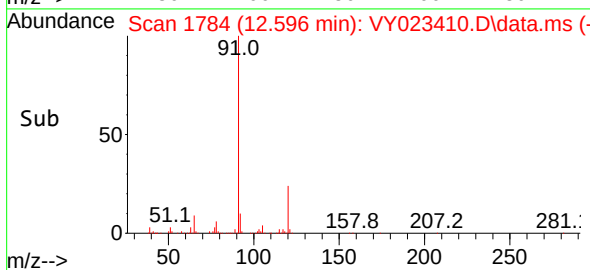
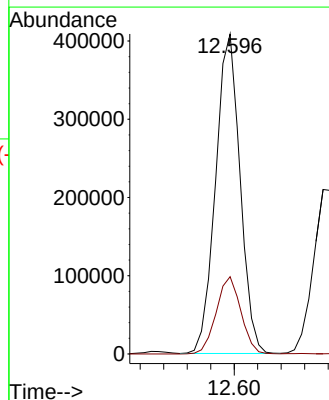
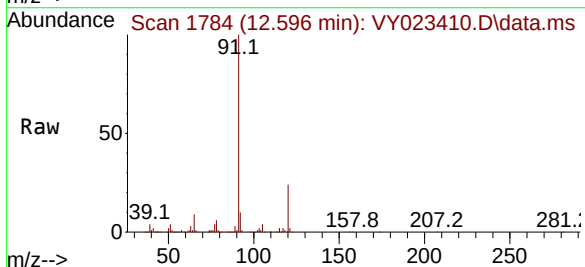
Manual Integrations
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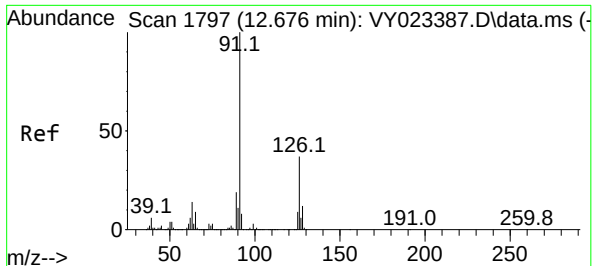
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#78
n-propylbenzene
Concen: 21.528 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 91 Resp: 590757
Ion Ratio Lower Upper
91 100
120 24.3 12.3 36.8





#79

2-Chlorotoluene

Concen: 20.967 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion: 91 Resp: 336924

Ion Ratio Lower Upper

91 100

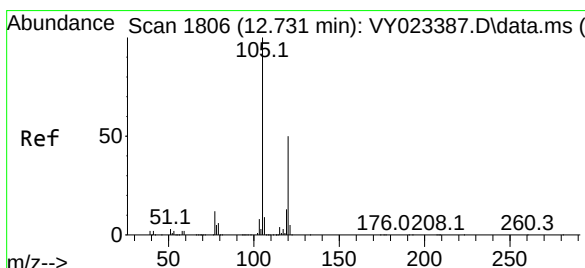
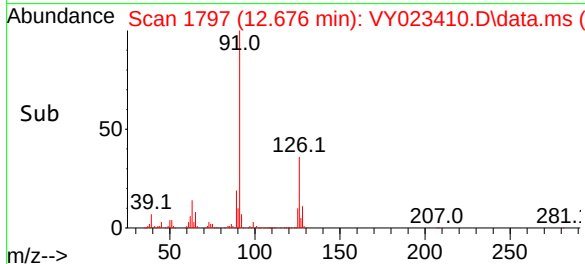
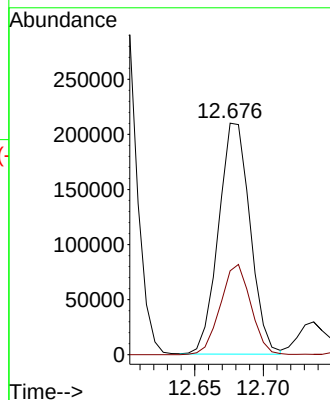
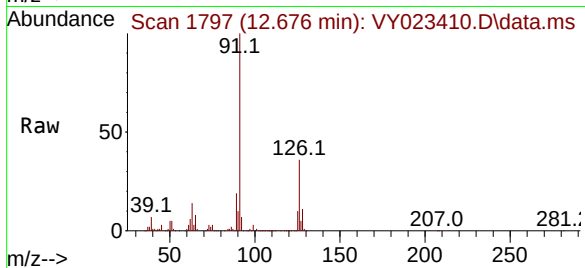
126 37.7 18.5 55.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#80

1,3,5-Trimethylbenzene

Concen: 21.283 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023410.D

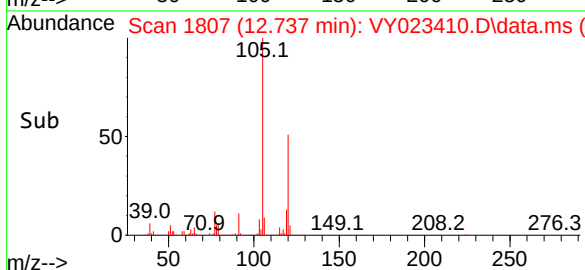
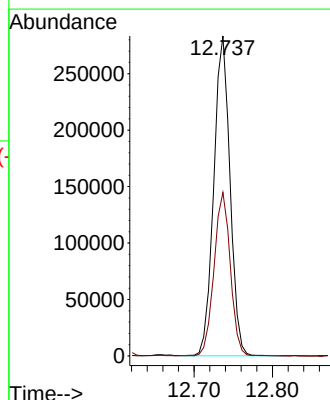
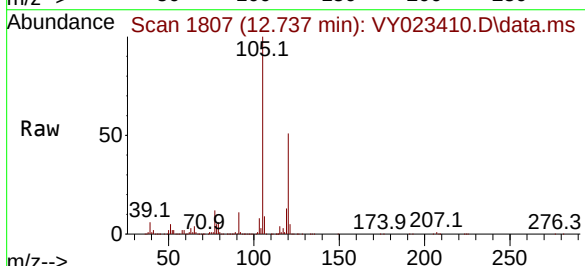
Acq: 09 Oct 2025 10:08

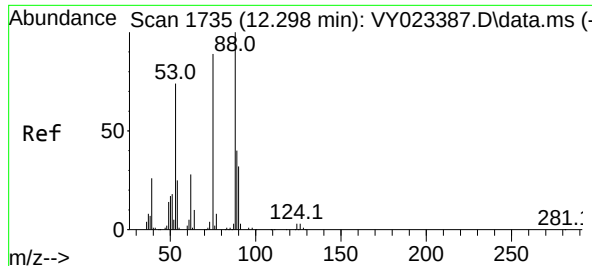
Tgt Ion:105 Resp: 407825

Ion Ratio Lower Upper

105 100

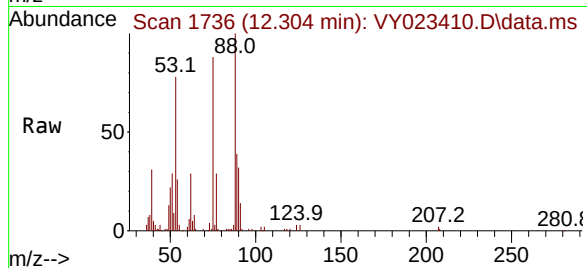
120 51.2 25.4 76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.051 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

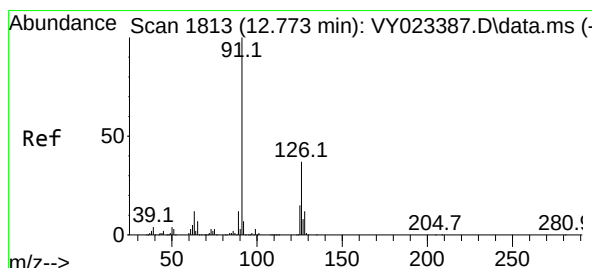
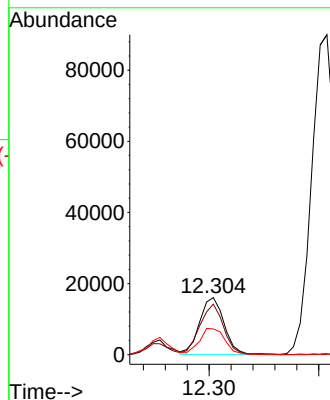
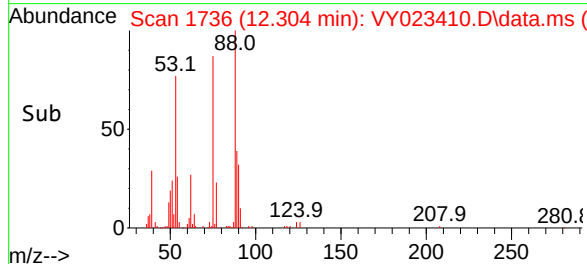
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



Tgt Ion: 75 Resp: 24664
Ion Ratio Lower Upper
75 100
53 88.1 68.6 102.8
89 47.7 39.0 58.4

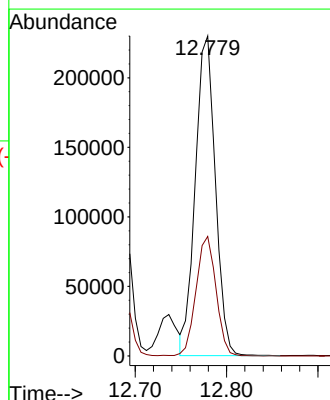
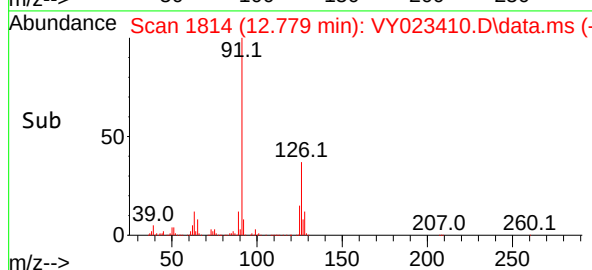
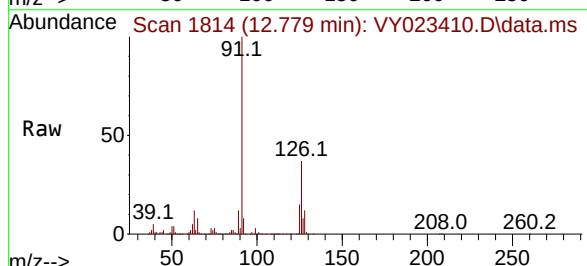
Manual Integrations
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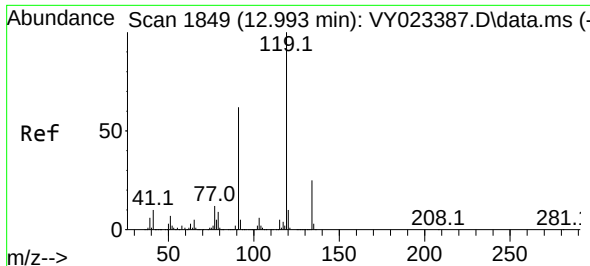
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#82
4-Chlorotoluene
Concen: 21.151 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

Tgt Ion: 91 Resp: 350046
Ion Ratio Lower Upper
91 100
126 37.5 18.4 55.4





#83

tert-Butylbenzene

Concen: 20.953 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBSD01

Tgt Ion:119 Resp: 370714

Ion Ratio Lower Upper

119 100

91 59.8 29.9 89.8

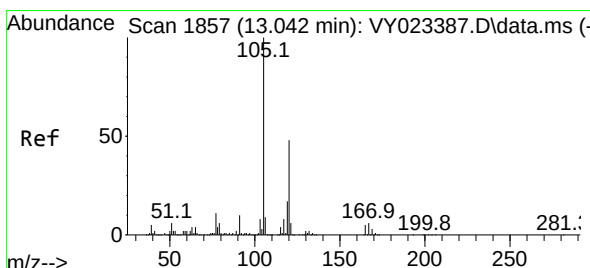
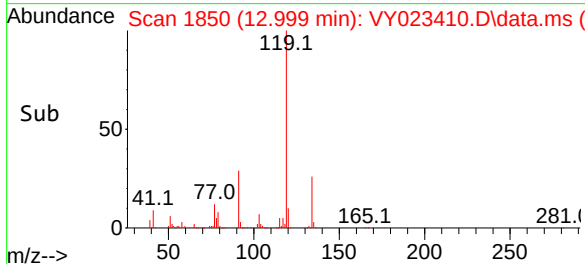
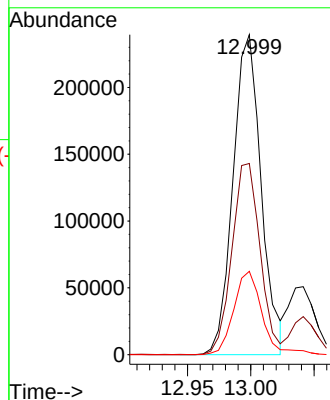
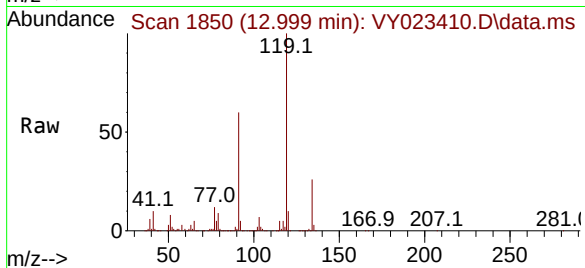
134 26.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.285 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023410.D

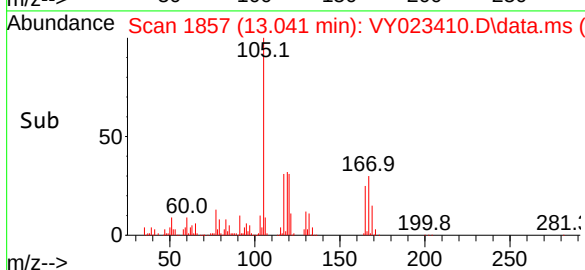
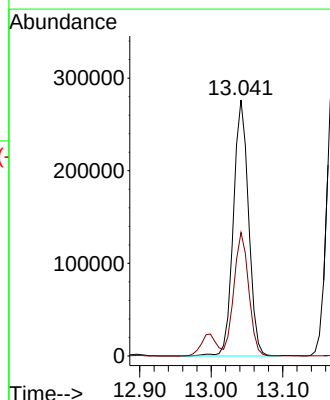
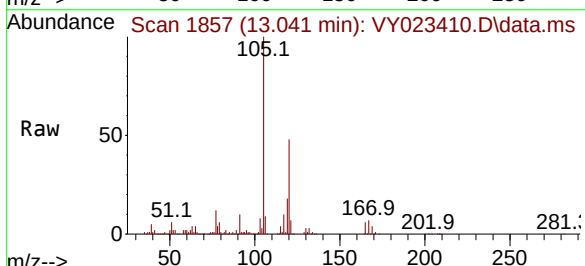
Acq: 09 Oct 2025 10:08

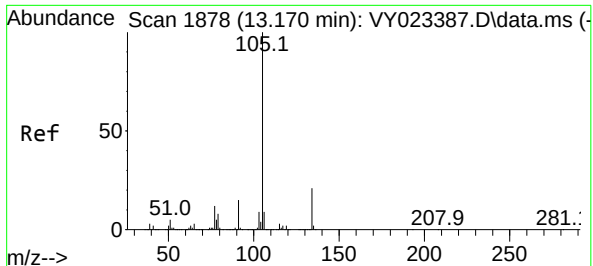
Tgt Ion:105 Resp: 407038

Ion Ratio Lower Upper

105 100

120 46.9 23.8 71.2





#85

sec-Butylbenzene

Concen: 21.516 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:105 Resp: 54606

Ion Ratio Lower Upper

105 100

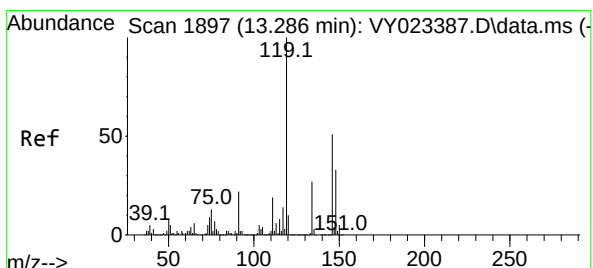
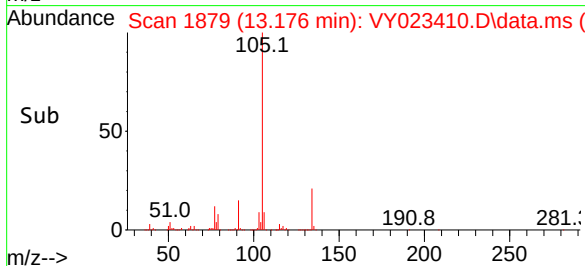
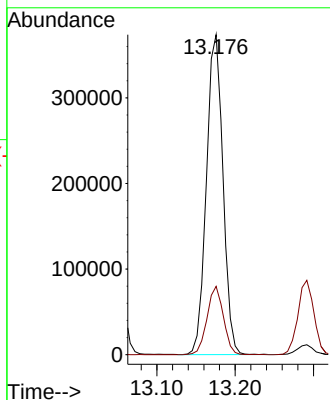
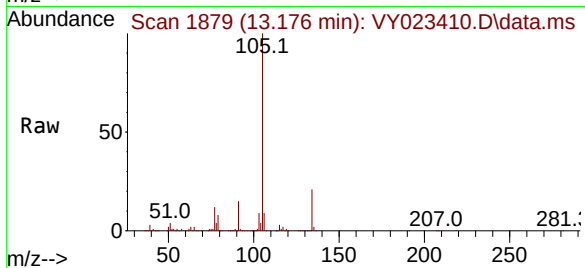
134 21.1 10.7 32.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#86

p-Isopropyltoluene

Concen: 21.249 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

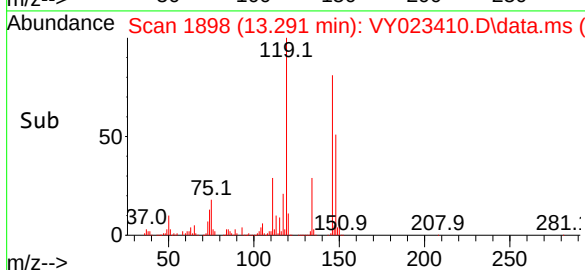
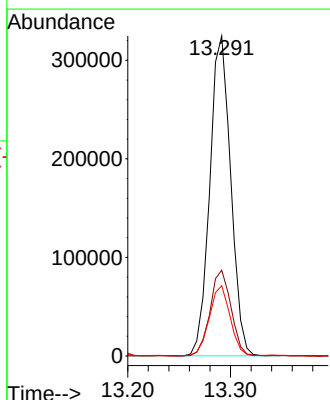
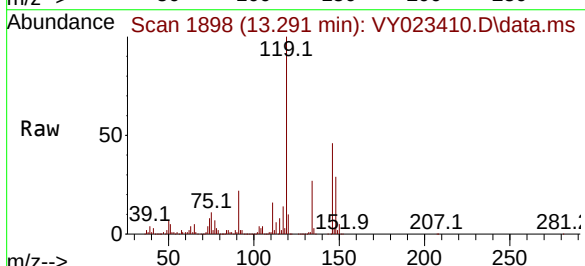
Tgt Ion:119 Resp: 459158

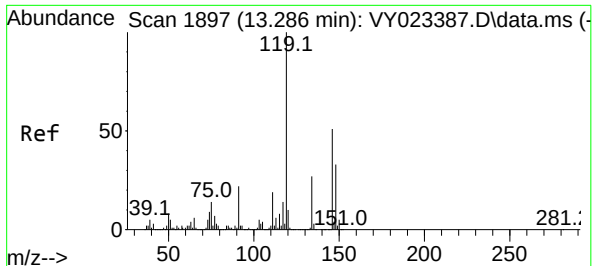
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 21.8 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.845 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

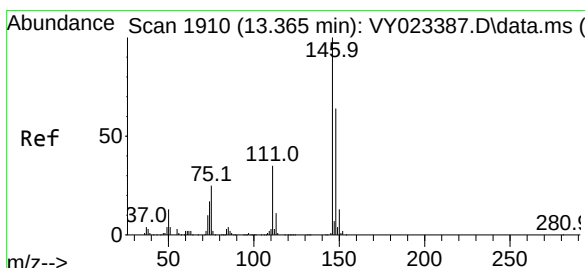
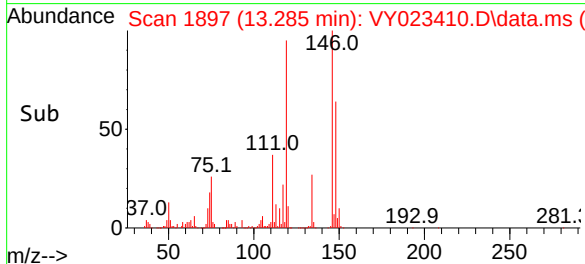
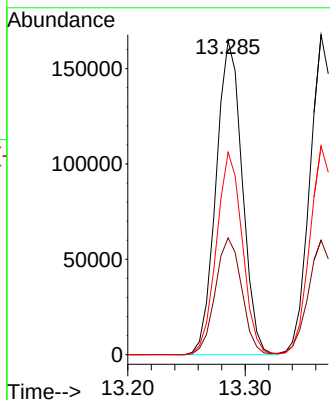
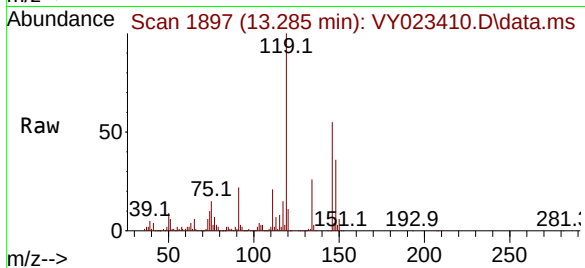
VY1009SBS01

Tgt Ion:146	Resp: 25589
Ion Ratio	Lower Upper
146	100
111	37.3 18.7 56.1
148	63.4 31.9 95.9

Manual Integrations

APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 20.681 ug/l

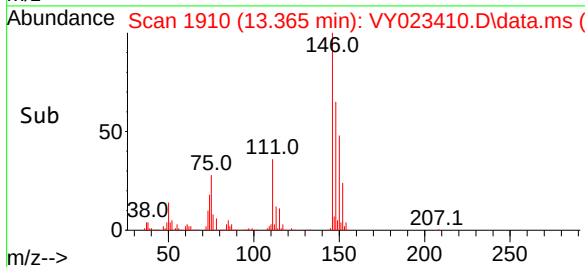
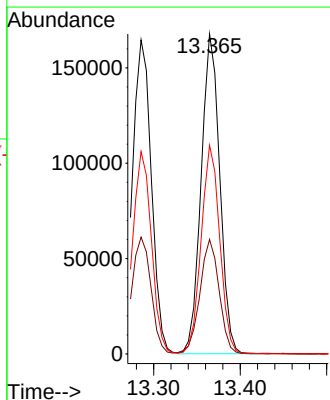
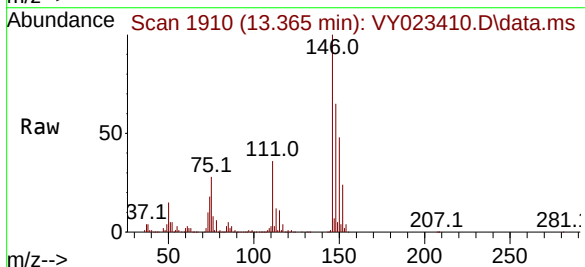
RT: 13.365 min Scan# 1910

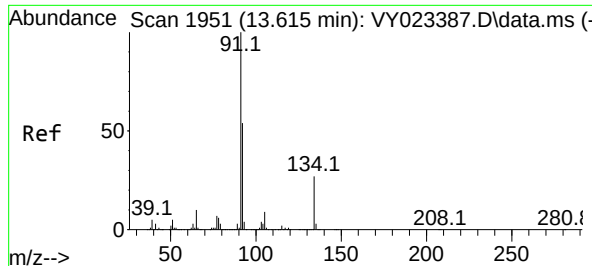
Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Tgt Ion:146	Resp: 250747
Ion Ratio	Lower Upper
146	100
111	37.0 18.0 54.0
148	65.1 31.9 95.7





#89

n-Butylbenzene

Concen: 20.765 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

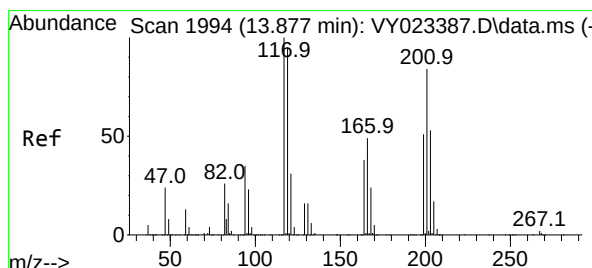
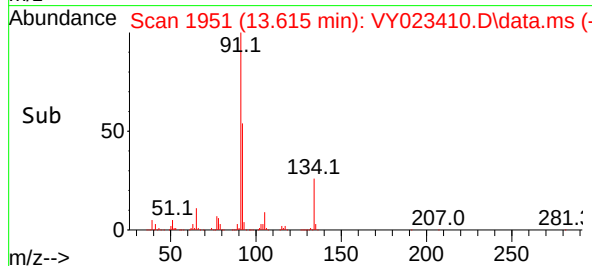
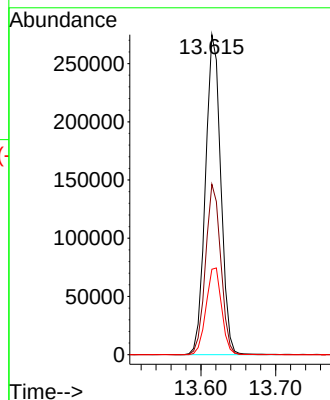
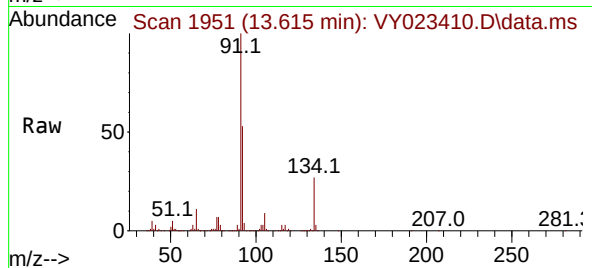
VY1009SBSD01

Tgt Ion:	91	Resp:	390969
Ion Ratio	Lower	Upper	
91	100		
92	52.9	27.0	80.8
134	27.5	14.1	42.2

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 21.134 ug/l

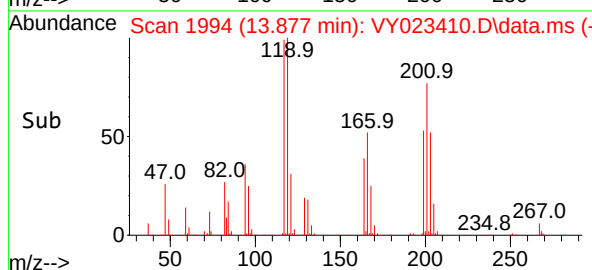
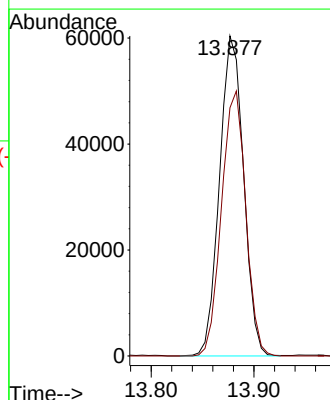
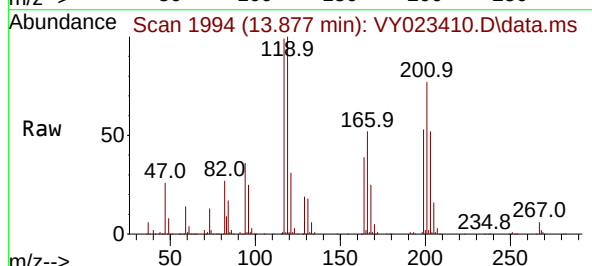
RT: 13.877 min Scan# 1994

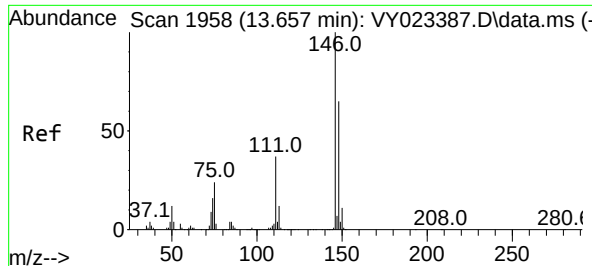
Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

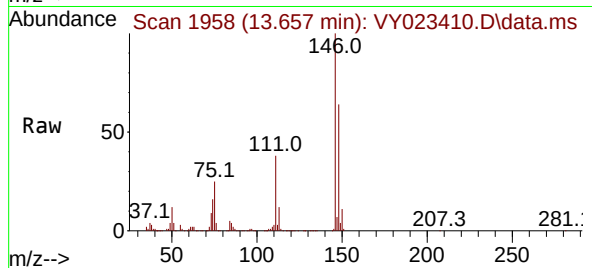
Tgt Ion:	117	Resp:	98225
Ion Ratio	Lower	Upper	
117	100		
201	83.2	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08

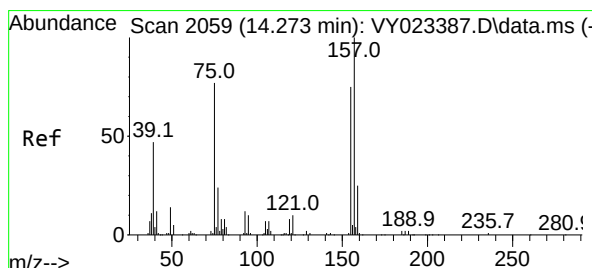
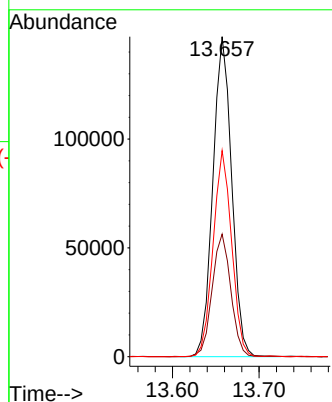
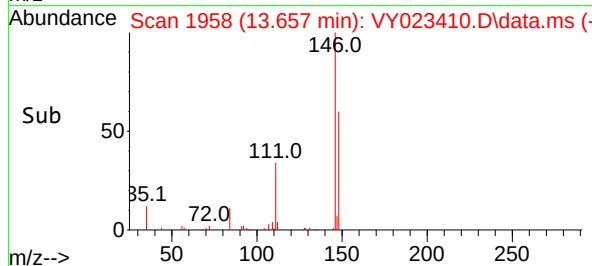
Instrument :
MSVOA_Y
ClientSampleId :
VY1009SBS01



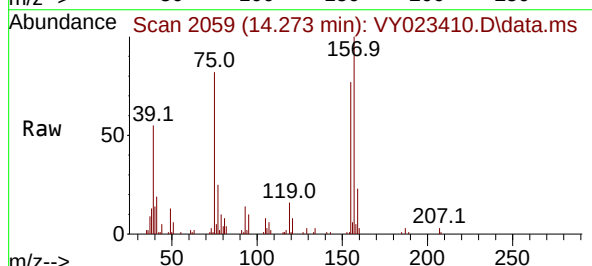
Tgt Ion:146 Resp: 221929
Ion Ratio Lower Upper
146 100
111 38.1 19.0 57.0
148 63.5 32.1 96.3

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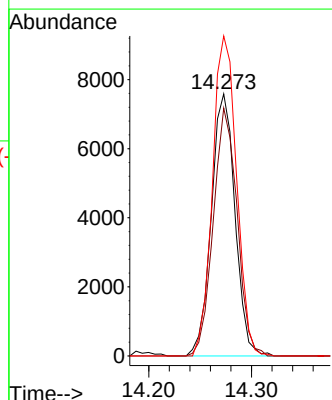
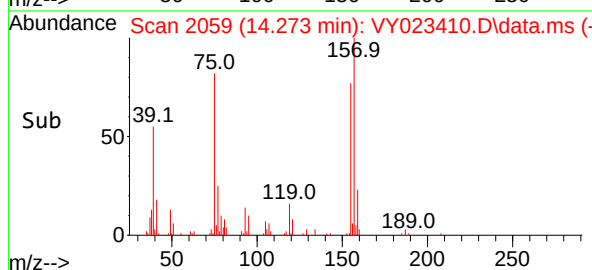
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

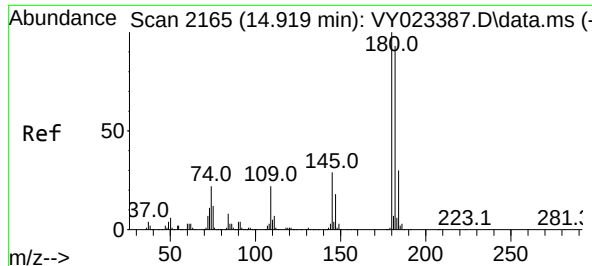


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.069 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023410.D
Acq: 09 Oct 2025 10:08



Tgt Ion: 75 Resp: 12135
Ion Ratio Lower Upper
75 100
155 95.1 50.0 150.0
157 123.9 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 18.637 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:180 Resp: 12504

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.6

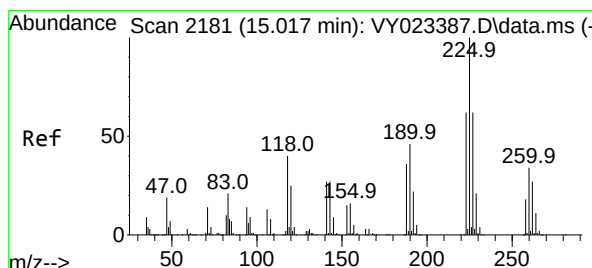
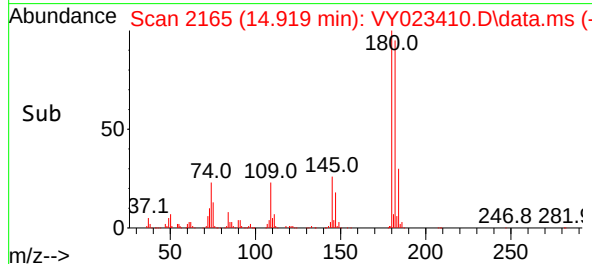
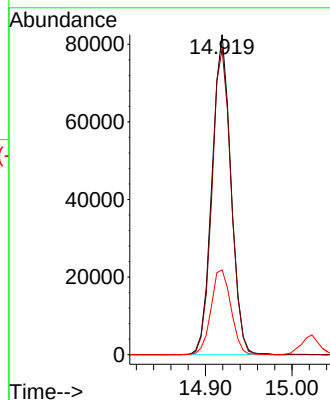
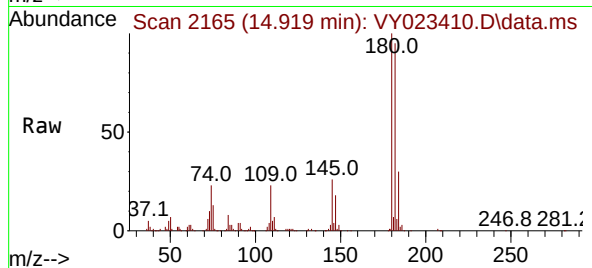
145 28.0 14.7 44.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#94

Hexachlorobutadiene

Concen: 20.487 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

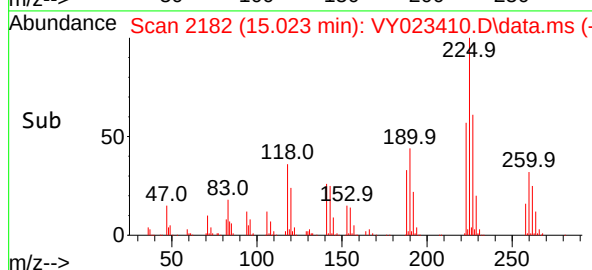
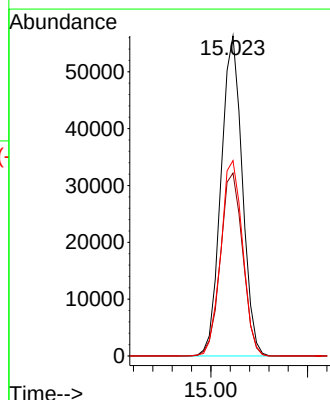
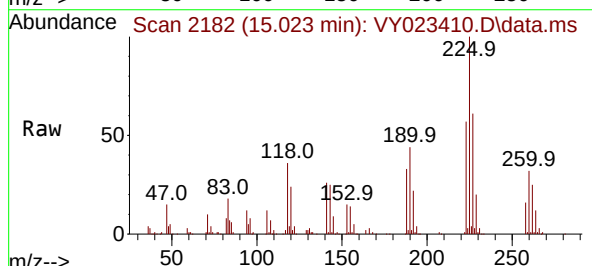
Tgt Ion:225 Resp: 85691

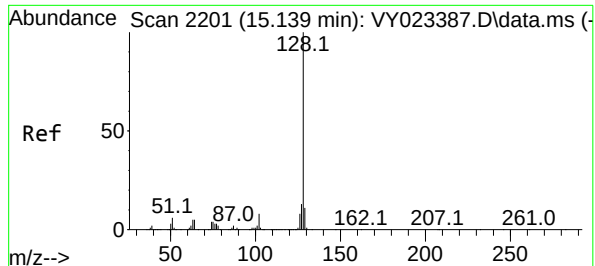
Ion Ratio Lower Upper

225 100

223 59.8 30.8 92.3

227 62.9 31.9 95.7





#95

Naphthalene

Concen: 16.406 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY1009SBS01

Tgt Ion:128 Resp: 175290

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

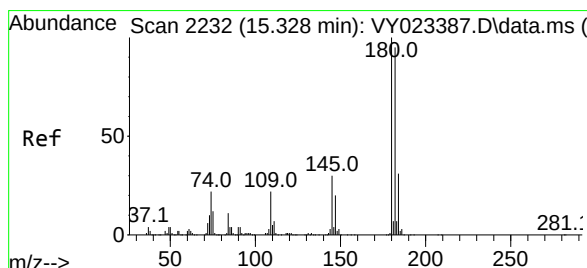
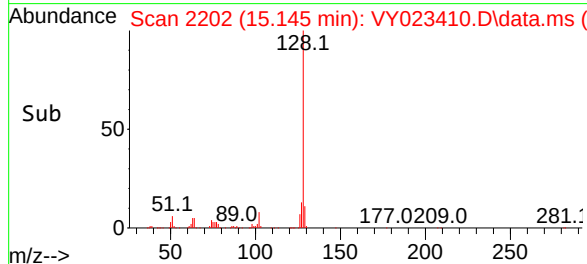
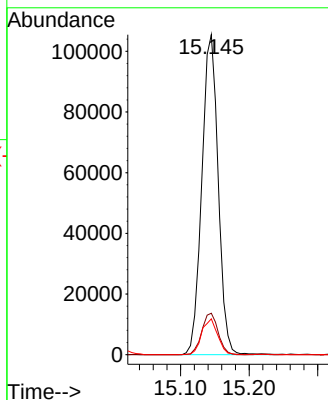
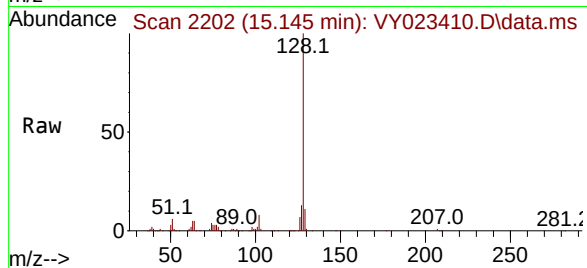
129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.186 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023410.D

Acq: 09 Oct 2025 10:08

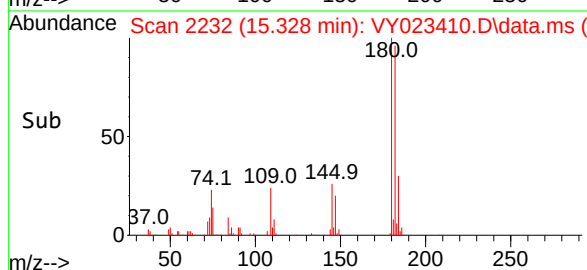
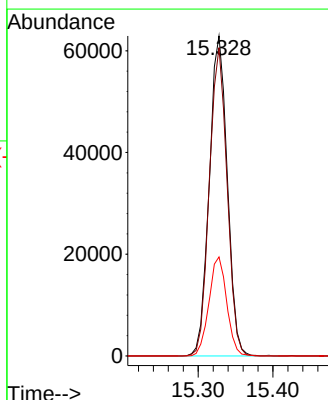
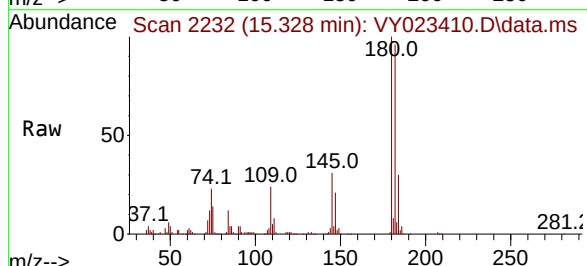
Tgt Ion:180 Resp: 105694

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.8

145 30.5 15.3 45.9



Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023384.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	Methacrylonitrile	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	Methacrylonitrile	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICCC050	VY023387.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:01 AM	MMdadoda	10/10/2025 4:37:41 AM	Peak Integrated by Software
VSTDICC100	VY023388.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:05 AM	MMdadoda	10/10/2025 4:37:46 AM	Peak Integrated by Software
VSTDICC150	VY023389.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:09 AM	MMdadoda	10/10/2025 4:37:51 AM	Peak Integrated by Software
VSTDICV050	VY023391.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:14 AM	MMdadoda	10/10/2025 4:37:55 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VY100725

Instrument

MSVOA_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VY100925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023407.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:08 PM	Sam	10/10/2025 4:18:49 PM	Peak Integrated by Software
VY1009SBS01	VY023409.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:11 PM	Sam	10/10/2025 4:18:52 PM	Peak Integrated by Software
VY1009SBSD0 1	VY023410.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:12 PM	Sam	10/10/2025 4:18:54 PM	Peak Integrated by Software
VSTDCCC050	VY023422.D	1,2,3-Trichloropropane	MMDadoda	10/10/2025 4:18:17 PM	Sam	10/10/2025 4:18:47 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM		
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135766			
Initial Calibration Stds		VP135767,VP135768,VP135769,VP135770,VP135771,VP135772			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP135773			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023383.D	07 Oct 2025 08:43	SY/MD	Ok
2	VSTDIC005	VY023384.D	07 Oct 2025 09:17	SY/MD	Ok,M
3	VSTDIC010	VY023385.D	07 Oct 2025 10:02	SY/MD	Ok,M
4	VSTDIC020	VY023386.D	07 Oct 2025 11:24	SY/MD	Ok,M
5	VSTDIC050	VY023387.D	07 Oct 2025 11:47	SY/MD	Ok,M
6	VSTDIC100	VY023388.D	07 Oct 2025 12:09	SY/MD	Ok,M
7	VSTDIC150	VY023389.D	07 Oct 2025 12:32	SY/MD	Ok,M
8	VIBLK	VY023390.D	07 Oct 2025 13:02	SY/MD	Ok
9	VSTDICV050	VY023391.D	07 Oct 2025 14:12	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY100925

Review By	Mahesh Dadoda	Review On	10/10/2025 4:18:26 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2025 4:19:06 PM		
SubDirectory	VY100925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135799			
CCC		VP135800,VP135801			
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	VY023406.D	09 Oct 2025 08:16	SY/MD	Ok
2	VSTDCCC050	VY023407.D	09 Oct 2025 08:47	SY/MD	Ok,M
3	VY1009SBL01	VY023408.D	09 Oct 2025 09:16	SY/MD	Ok
4	VY1009SBS01	VY023409.D	09 Oct 2025 09:45	SY/MD	Ok,M
5	VY1009SBSD01	VY023410.D	09 Oct 2025 10:08	SY/MD	Ok,M
6	Q3315-01	VY023411.D	09 Oct 2025 10:36	SY/MD	Dilution
7	Q3315-03	VY023412.D	09 Oct 2025 11:00	SY/MD	ReRun
8	Q3313-01	VY023413.D	09 Oct 2025 11:23	SY/MD	Not Ok
9	Q3318-01	VY023414.D	09 Oct 2025 11:47	SY/MD	Ok
10	Q3319-01	VY023415.D	09 Oct 2025 12:10	SY/MD	ReRun
11	Q3310-01	VY023416.D	09 Oct 2025 12:34	SY/MD	Ok
12	Q3310-02	VY023417.D	09 Oct 2025 12:57	SY/MD	Ok
13	Q3310-03	VY023418.D	09 Oct 2025 13:21	SY/MD	Ok
14	Q3321-01	VY023419.D	09 Oct 2025 13:44	SY/MD	Ok
15	Q3322-01	VY023420.D	09 Oct 2025 14:36	SY/MD	Ok
16	VIBLK	VY023421.D	09 Oct 2025 14:59	SY/MD	Ok
17	VSTDCCC050	VY023422.D	09 Oct 2025 15:22	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 4:38:02 AM
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y HP Processing Method 82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023383.D	07 Oct 2025 08:43		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023384.D	07 Oct 2025 09:17		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023385.D	07 Oct 2025 10:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023386.D	07 Oct 2025 11:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023387.D	07 Oct 2025 11:47		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023388.D	07 Oct 2025 12:09		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023389.D	07 Oct 2025 12:32		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023390.D	07 Oct 2025 13:02		SY/MD	Ok
9	VSTDICV050	ICVVY100725	VY023391.D	07 Oct 2025 14:12		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY100925

Review By	Mahesh Dadoda	Review On	10/10/2025 4:18:26 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2025 4:19:06 PM
SubDirectory	VY100925	HP Acquire Method	MSVOA_Y HP Processing Method 82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135799
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135800,VP135801 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023406.D	09 Oct 2025 08:16		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023407.D	09 Oct 2025 08:47		SY/MD	Ok,M
3	VY1009SBL01	VY1009SBL01	VY023408.D	09 Oct 2025 09:16		SY/MD	Ok
4	VY1009SBS01	VY1009SBS01	VY023409.D	09 Oct 2025 09:45		SY/MD	Ok,M
5	VY1009SBSD01	VY1009SBSD01	VY023410.D	09 Oct 2025 10:08		SY/MD	Ok,M
6	Q3315-01	314	VY023411.D	09 Oct 2025 10:36	vial-A Internal Standard fail;Need MeOH	SY/MD	Dilution
7	Q3315-03	72-11989	VY023412.D	09 Oct 2025 11:00	vial-A E flag of previous sample	SY/MD	ReRun
8	Q3313-01	ETGI-360	VY023413.D	09 Oct 2025 11:23	vial-A Internal Standard fail;Confirm concentration	SY/MD	Not Ok
9	Q3318-01	VNJ-207	VY023414.D	09 Oct 2025 11:47	vial-A	SY/MD	Ok
10	Q3319-01	OK-01-100825	VY023415.D	09 Oct 2025 12:10	vial-A Internal Standard fail	SY/MD	ReRun
11	Q3310-01	SS-01-0-1	VY023416.D	09 Oct 2025 12:34	vial-A	SY/MD	Ok
12	Q3310-02	SS-01-1-2	VY023417.D	09 Oct 2025 12:57	vial-A	SY/MD	Ok
13	Q3310-03	SS-01-2-3	VY023418.D	09 Oct 2025 13:21	vial-A	SY/MD	Ok
14	Q3321-01	P001-DS-01	VY023419.D	09 Oct 2025 13:44	vial-A	SY/MD	Ok
15	Q3322-01	OR-02-100925	VY023420.D	09 Oct 2025 14:36	vial-A	SY/MD	Ok
16	VIBLK	VIBLK	VY023421.D	09 Oct 2025 14:59		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY023422.D	09 Oct 2025 15:22		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137480

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
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

W 137480

WorkList Name : %1-100925

WorkList ID : 192359

Department : Wet-Chemistry

Date : 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q3321-VOC-TCLVOA-10

Date/Time 10/09/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Prep Standard - Chemical Standard Summary

Order ID : Q3321
Test : VOC-TCLVOA-10

Prepbatch ID :
Sequence ID/Qc Batch ID: VY100925,

Standard ID :
VP133934,VP134147,VP134149,VP134150,VP134934,VP134957,VP135480,VP135481,VP135552,VP135553,VP135799,VP135800,VP135801,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14636,V14637,V14638,V14639,V14673,V14727,V14728,V14803,V14815,V14844,V14906,V14921,V14928,V14929,V14951,V14952,V15066,V15067,V15068,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	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

<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	VP135481	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/19/2025

FROM 5.62500ml of V14625 + 9.37500ml of VP135480 = 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>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

<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	VP135553	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 09/26/2025

FROM 5.62500ml of V14928 + 9.37500ml of VP135552 = 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	VP135799	10/09/2025	10/10/2025	Amit Patel	None	None	Maresh Dadoda
								10/13/2025

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	VP135800	10/09/2025	10/10/2025	Amit Patel	None	None	Maresh Dadoda
								10/13/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135481
+ 0.00250ml of VP135553 + 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	VP135801	10/09/2025	10/10/2025	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 VP135481 + 0.00250ml of VP135553 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	2310762004	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

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 #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

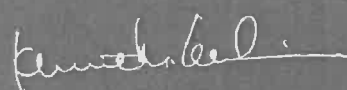
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

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 03/17/24

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	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	NA	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	NA	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	NA	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	NA	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 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 7872mg/kg	
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	or-rat 780mg/kg	
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	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	NA	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	NA	N/A	
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	NA	N/A	
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	NA	N/A	
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	NA	N/A	
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 1235mg/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	78-25-2	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	58-23-5	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	74-95-3	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	75-34-3	100 ppm	or-rat 108mg/kg	
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20001.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	or-rat 2629mg/kg	
28. 2,2-Dichloropropane	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	
29. Trichloroethene	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	
30. 1,1,1-Trichloroethane	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	
31. 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	
32. 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	
33. 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	NA	or-mus 3600mg/kg	
34. 1,1,3-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	NA	N/A	
35. trans-1,3-Dichloropropane	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	NA	N/A	
36. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	NA	N/A	
37. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	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	
38. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	NA	or-rat 670mg/kg	
39. 1,1,2-Trichloroethane	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	
40. Trichloroethene	35161	112322	0.05	5.00	40008.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	or-rat 936mg/kg	
41. 1,2,3-Trichloropropane	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	
42. Benzene	35162	050823	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	
43. Bromobenzene	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	
44. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-1	NA	or-rat 2699mg/kg	
45. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	NA	N/A	
46. p-Isopropyl toluene	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	
47. Naphthalene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	NA	or-rat 4750mg/kg	
48. Styrene	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	
49. Toluene	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	
50. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg	
51. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	NA	or-mus 1390mg/kg	
52. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg	
53. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	NA	or-rat 5g/kg	
54. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	NA	or-rat 5000mg/kg	
55. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	109-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
56. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	NA	N/A	
57. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	NA	N/A	
58. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2240mg/kg	
59. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 2290mg/kg	
60. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	NA	or-rat 3900mg/kg	
61. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	NA	or-rat 2100mg/kg	
62. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
63. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	NA	or-rat 1060mg/kg	
64. Isopropylbenzene	35163	101923	0.05	5.00	40001.8	2000											

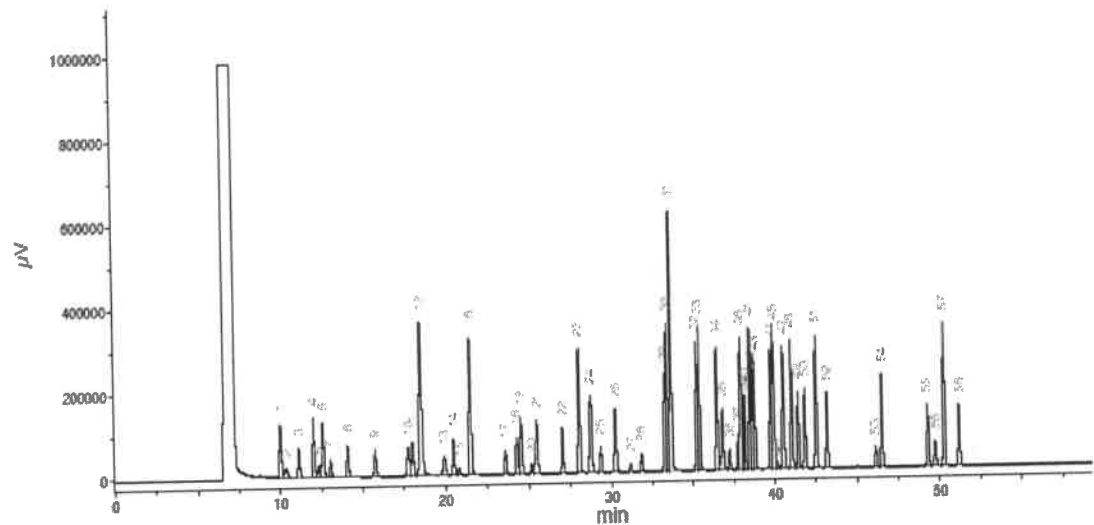


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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	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	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-Dichloroethane	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	36.40
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	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	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))		
Methanol	METHYL ALCOHOL	CAS#: 67-56-1
		% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (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	(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. Dibromodichloromethane	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 933mg/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	67-68-3	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	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	20.5	75-34-3	100 ppm	N/A
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	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	40005.0	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	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1,3-Dichloropropane	35161	112322	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10081-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	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 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	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	1999.7	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	1999.6	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 1062mg/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)	or-r

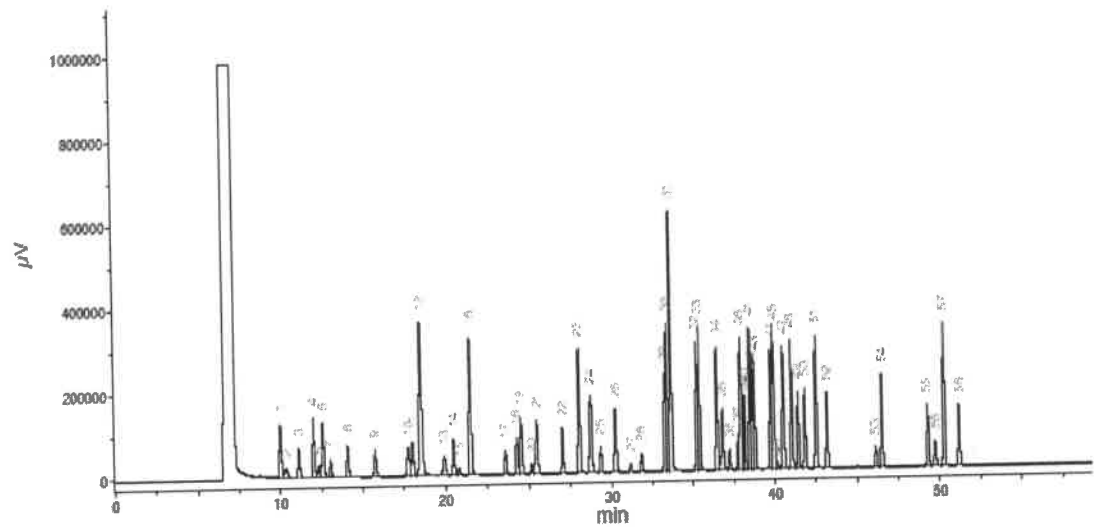


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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	Acetone	12.00
5	Isodimethane	12.21
6	Allyl chloride	12.56
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	Methyl methacrylate/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	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloropropane	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	Dibromochloropropane	31.84
28	1,2-Dibromomethane	33.06
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.76
34	Isopropylbenzene/Bromobenzene	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	Perchloroethane	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 waterH301, 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))
Methanol METHYL ALCOHOL

CAS#: 67-56-1

% (optional)
> 97**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice

If inhaled

In case of skin contact

In case of eye contact

If swallowed

Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.

If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Wash with soap and water. Consult a physician.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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#
072324Q

Formulated By:	Justin Dippold
DATE: 091424	
Reviewed By:	Pedro L. Rentas
DATE: 091424	

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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 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#
072324Q

Formulated By:	Justin Dippold
DATE: 091424	
Reviewed By:	Pedro L. Rentas
DATE: 091424	

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

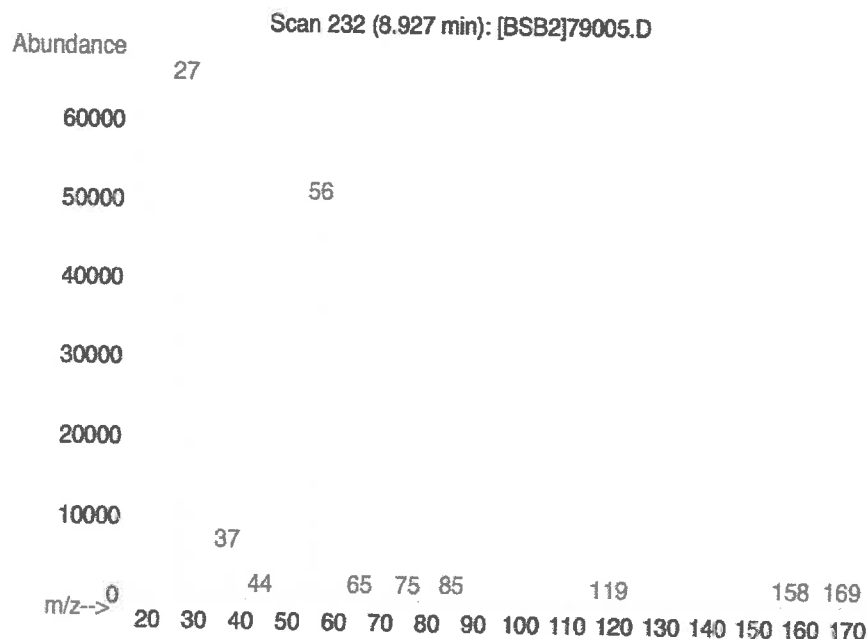
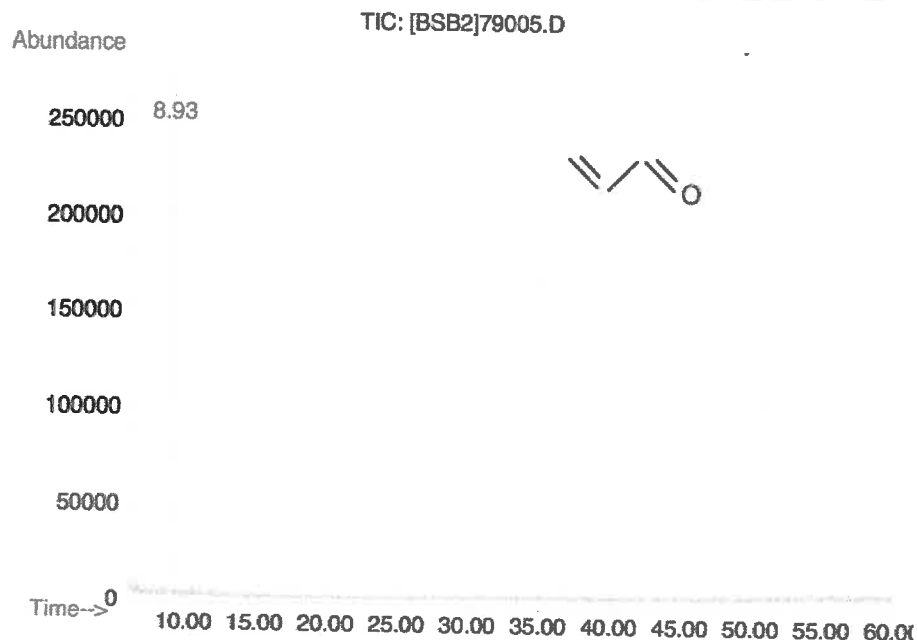
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.



- 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**

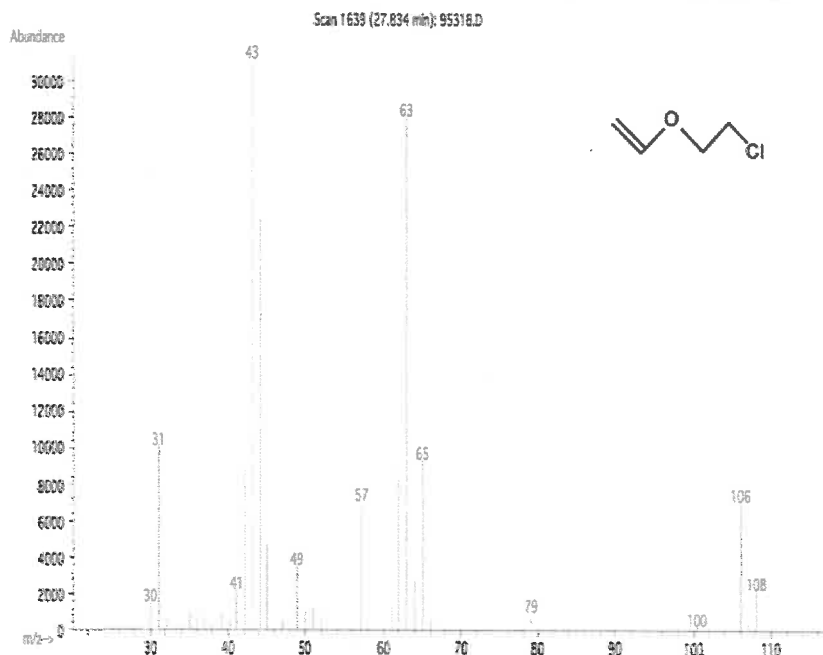
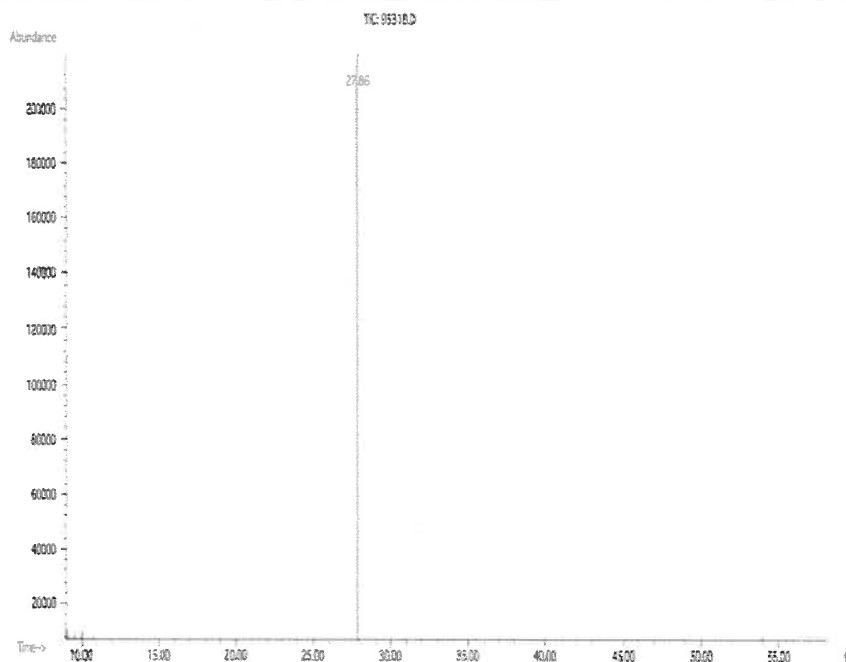
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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 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.



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**

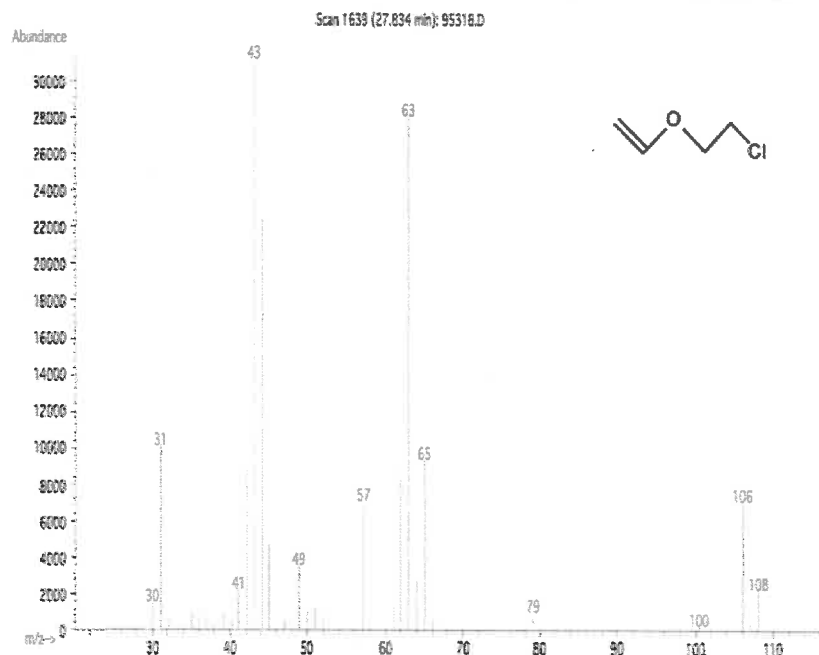
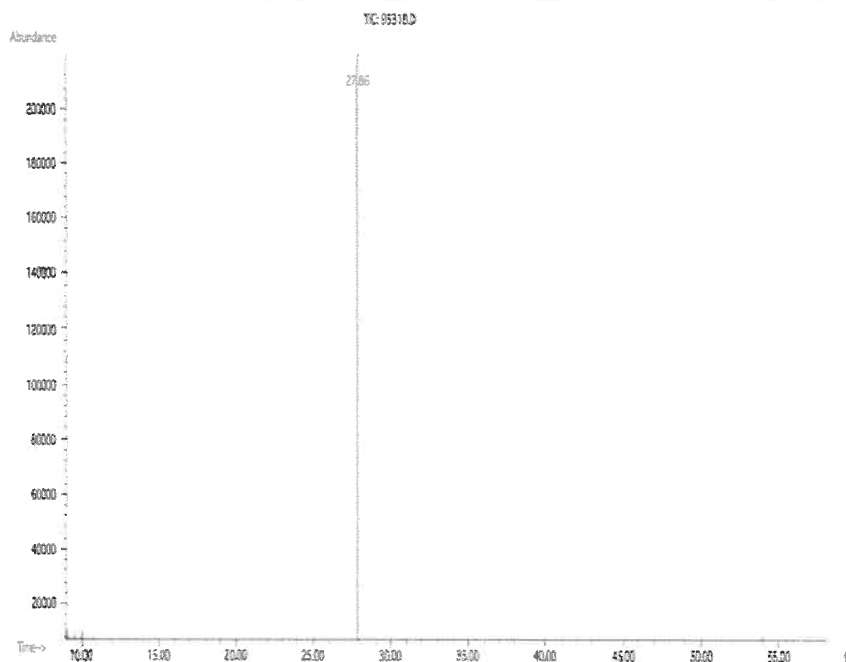
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.



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**

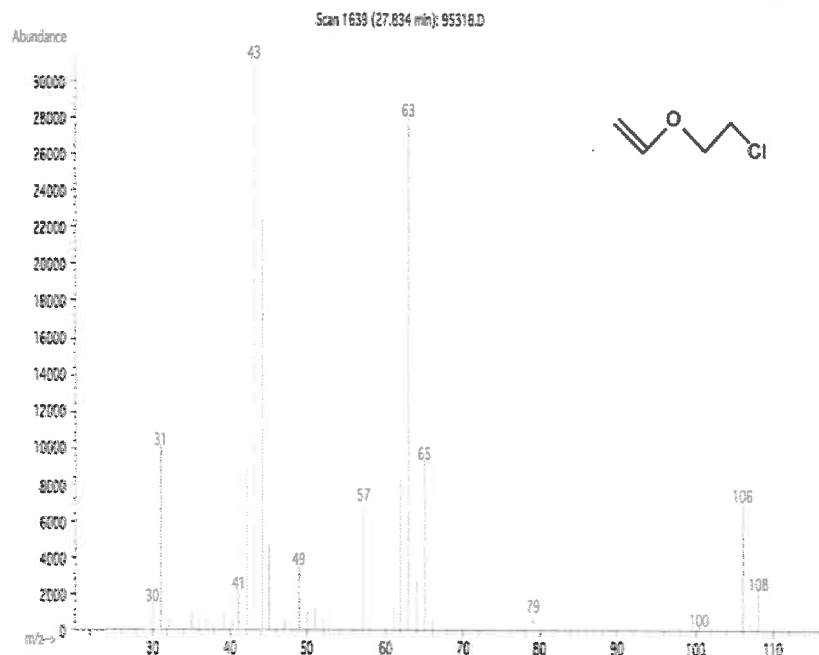
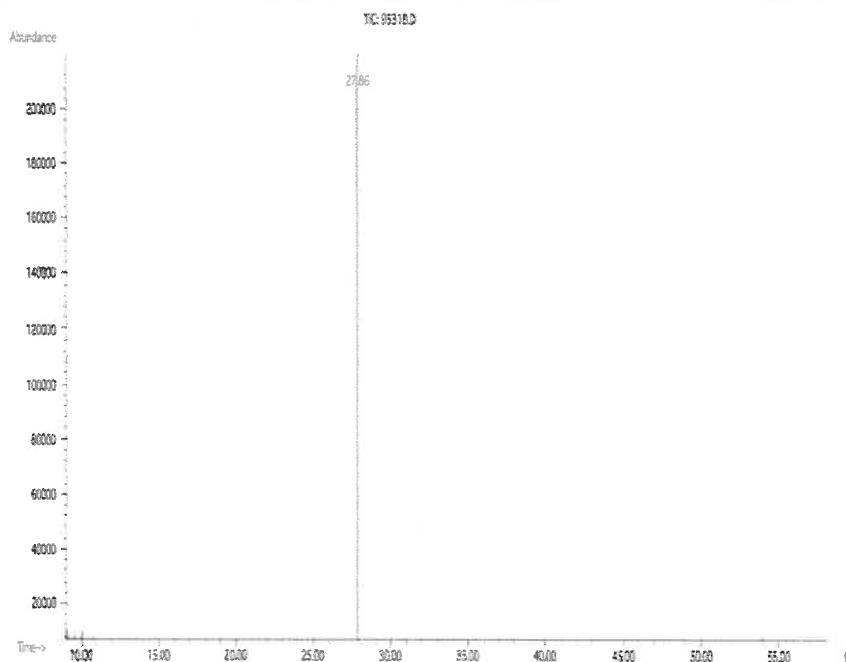
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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
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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.
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Hazardous decomposition products formed under fire conditions.	- Carbon oxides

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LD50 Oral - rat - 5,628 mg/kg
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LD50 Dermal - rabbit - 15,800 mg/kg
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LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	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

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Lot Number: **120524**
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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**

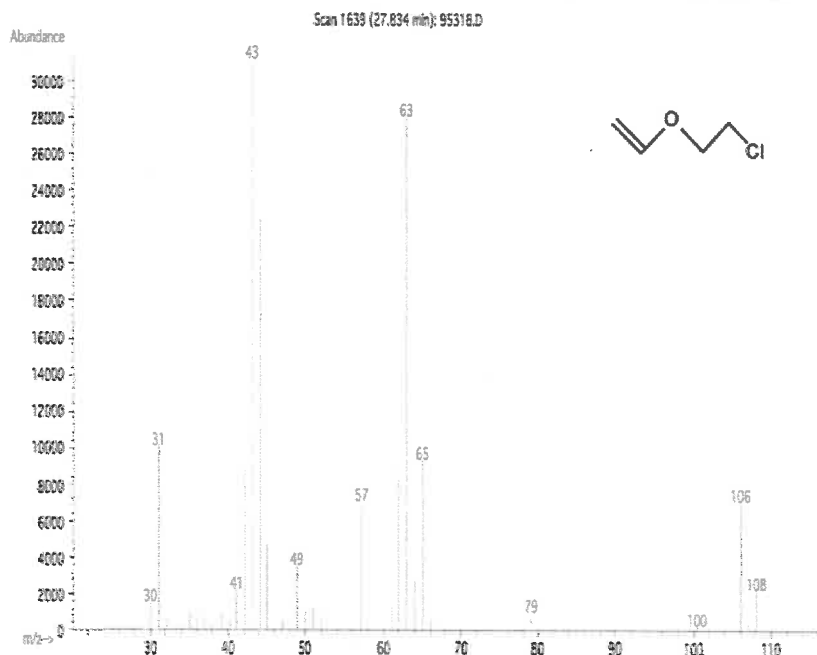
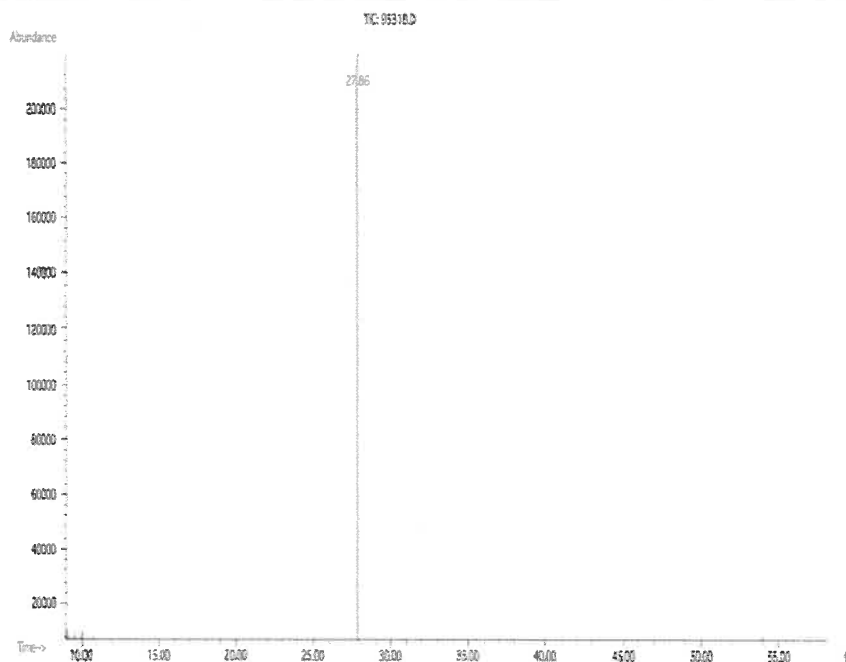
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1 > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

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Section XIII. DISPOSAL CONSIDERATIONS

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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

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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:

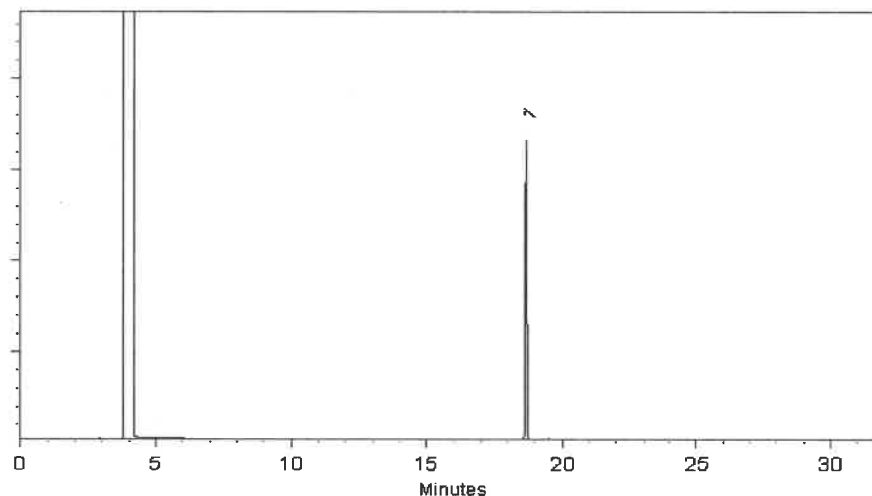
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Split Vent:

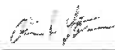
40 ml/min

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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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

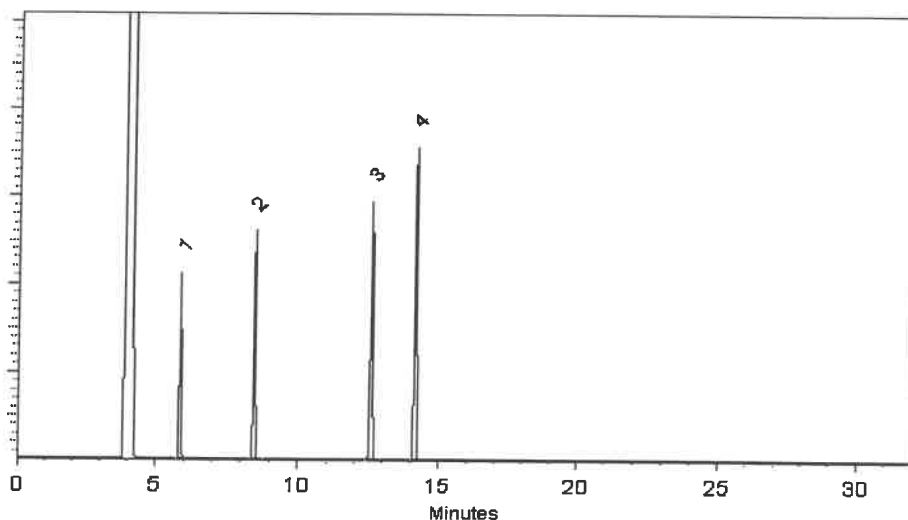
FID

Split Vent:

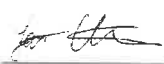
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

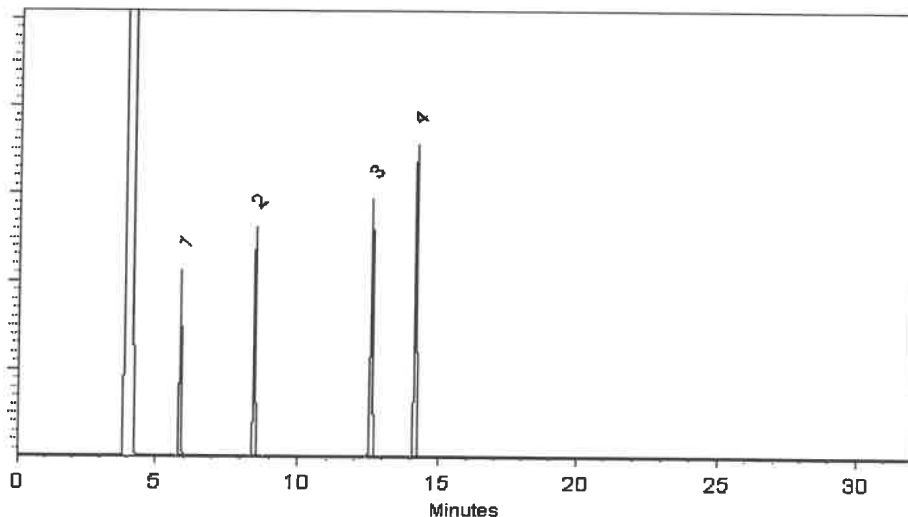
FID

Split Vent:

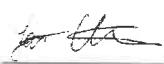
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

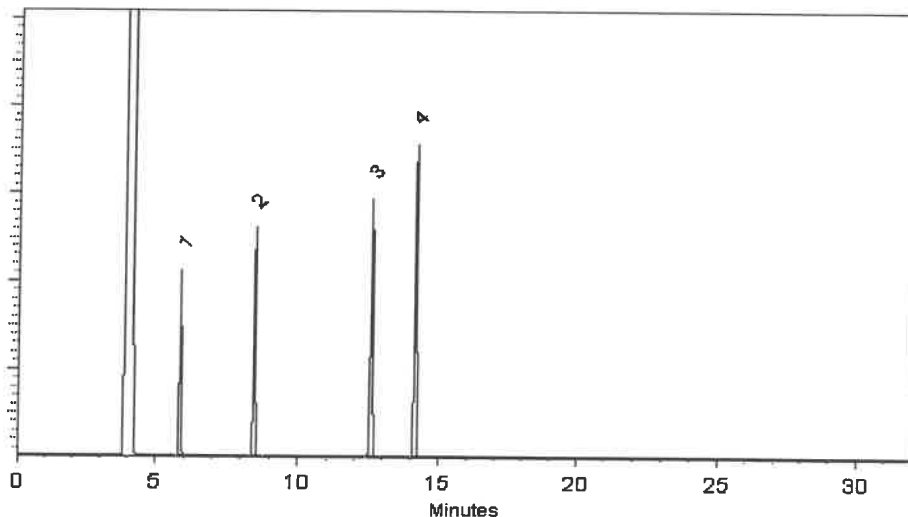
FID

Split Vent:

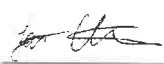
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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

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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

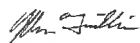
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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.
- 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: 12/09/24
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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:

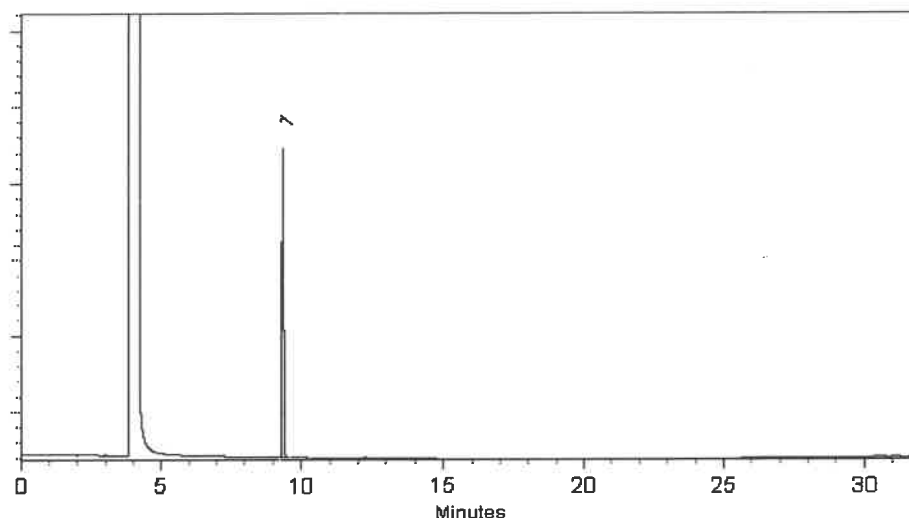
FID

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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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:

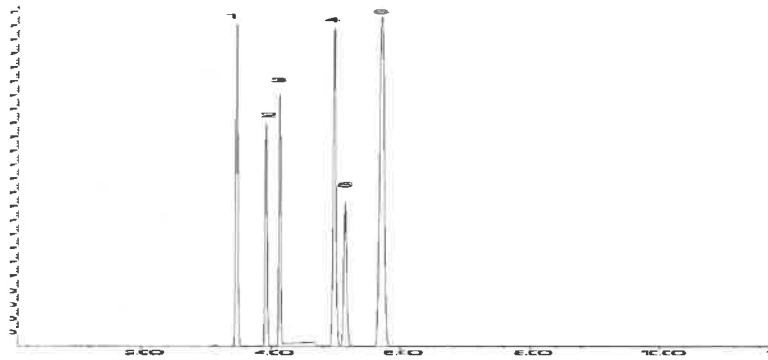
MSD

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
30 ml
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus

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:

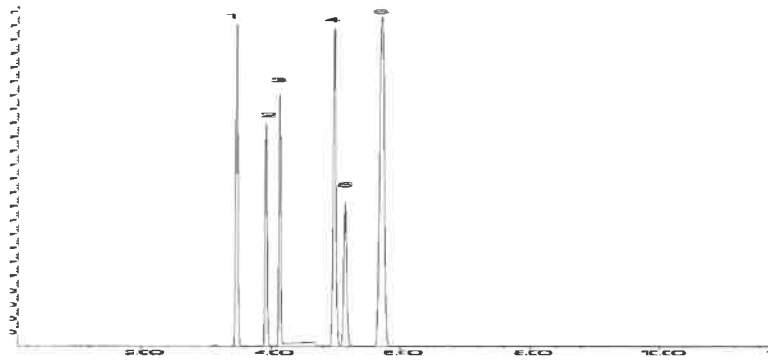
MSD

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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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:

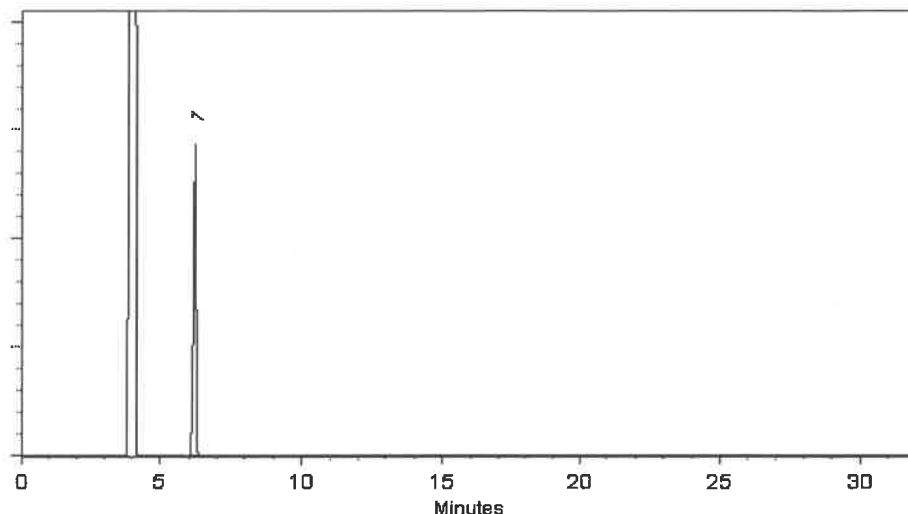
FID

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/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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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:

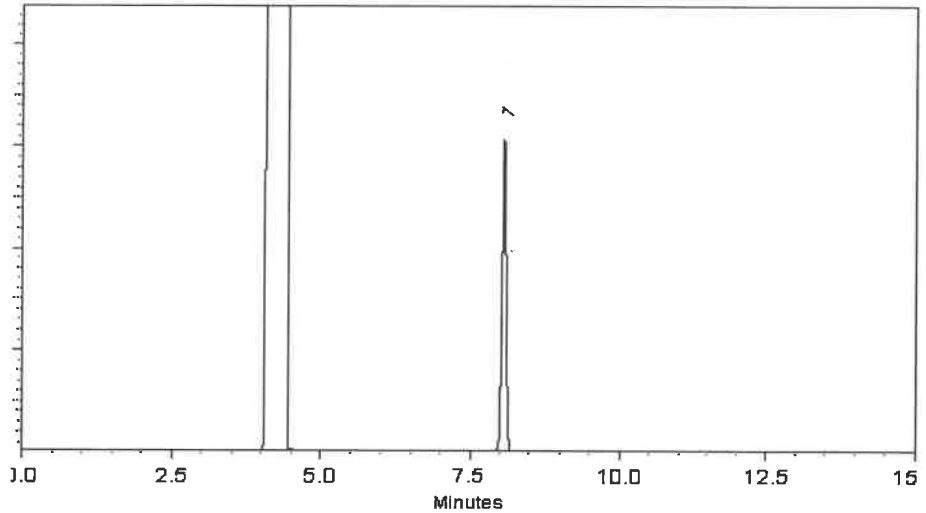
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

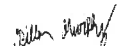


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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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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:

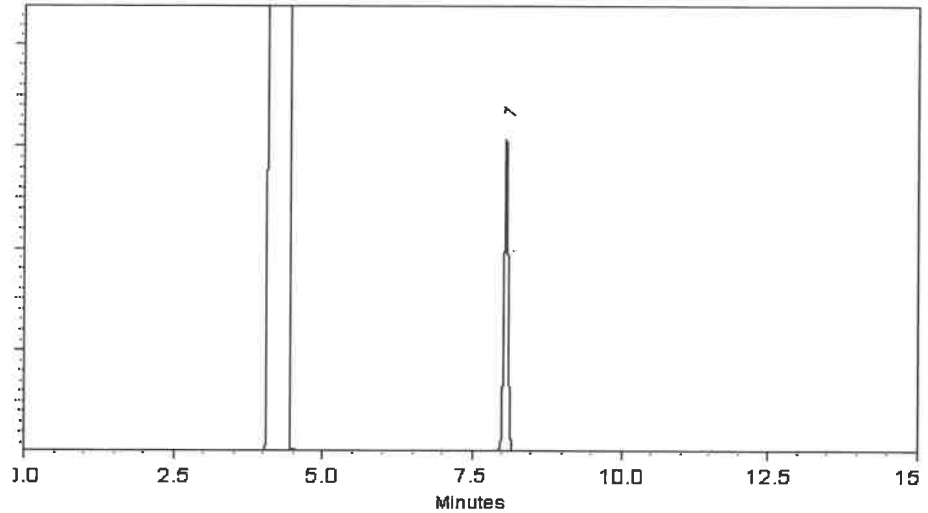
FID

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 Pollock 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.
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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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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



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20 vial

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3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
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5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

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Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: AcroleinSolvent(s):
Water Lot#: 041725Q

Expiration Date: 101525

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

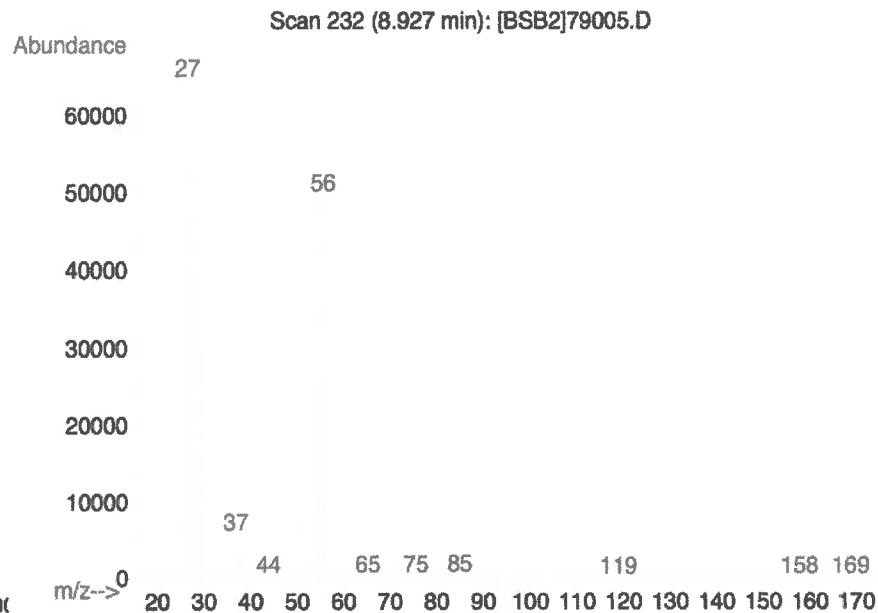
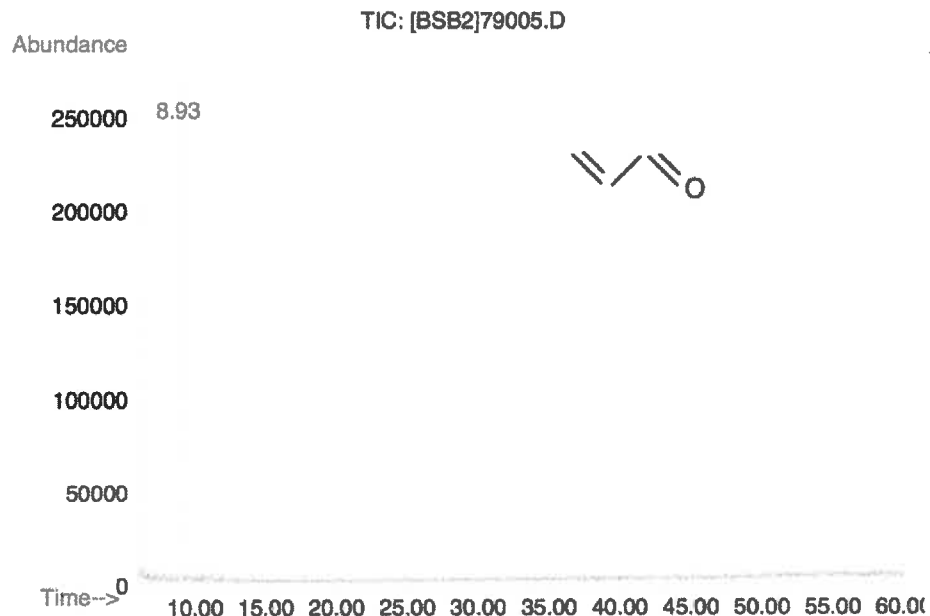
0.001 Flask Uncertainty

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

V15064 to
V15068

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	0.05186	0.05176	5009.9	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 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: AcroleinSolvent(s):
Water Lot#: 041725Q

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 101525

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

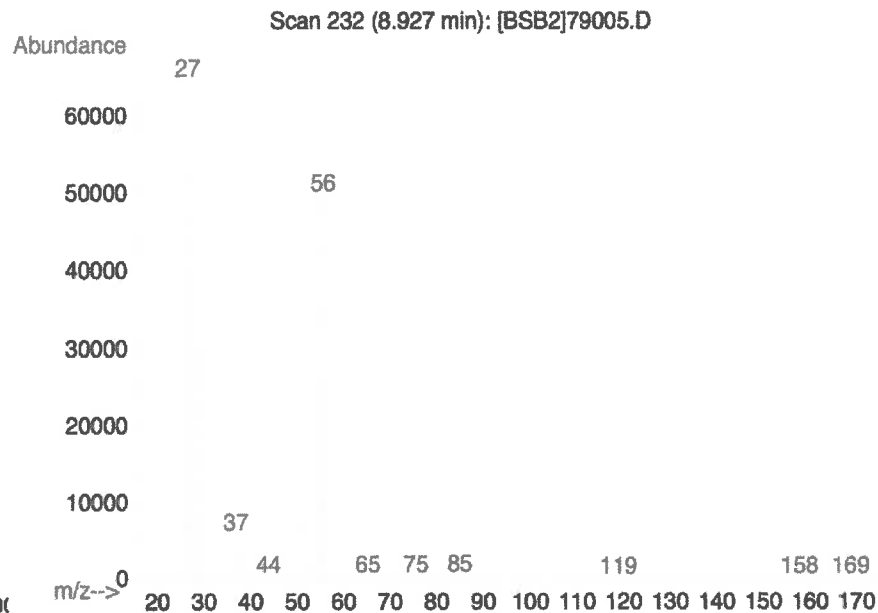
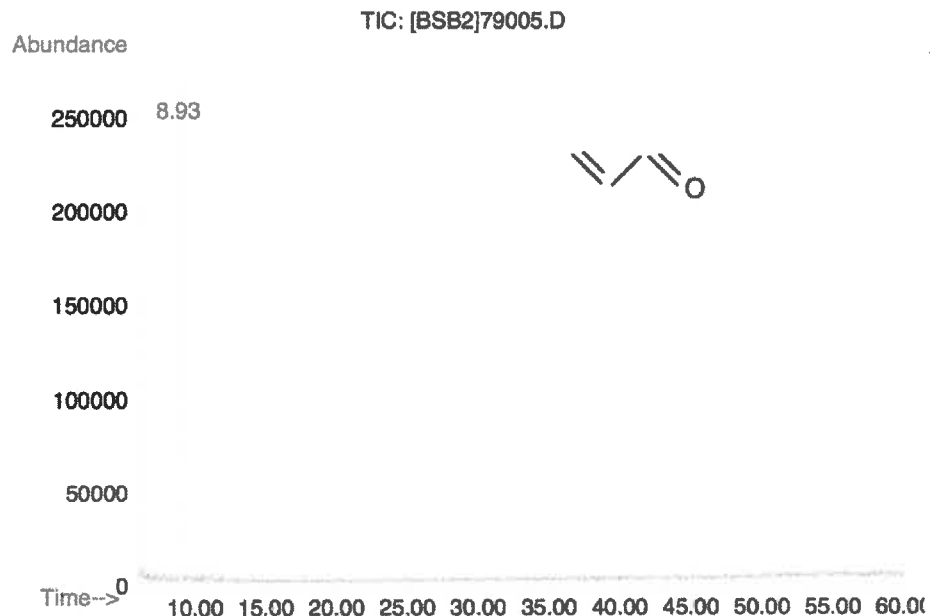
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15064 to
V15068

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	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.



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 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
 Lot Number: 091525
 Description: Acrolein

Solvent(s):
 Water
 Lot#: 041725Q

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 101525

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

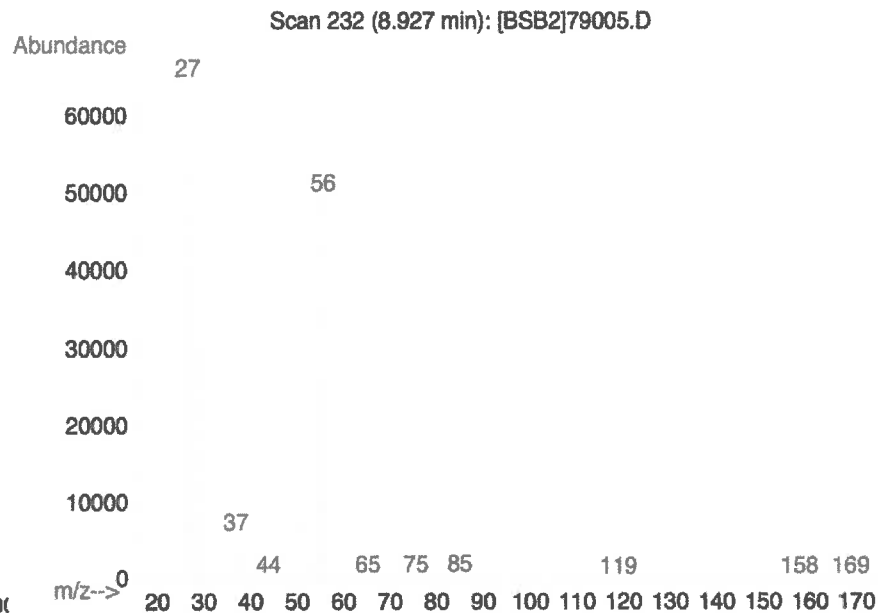
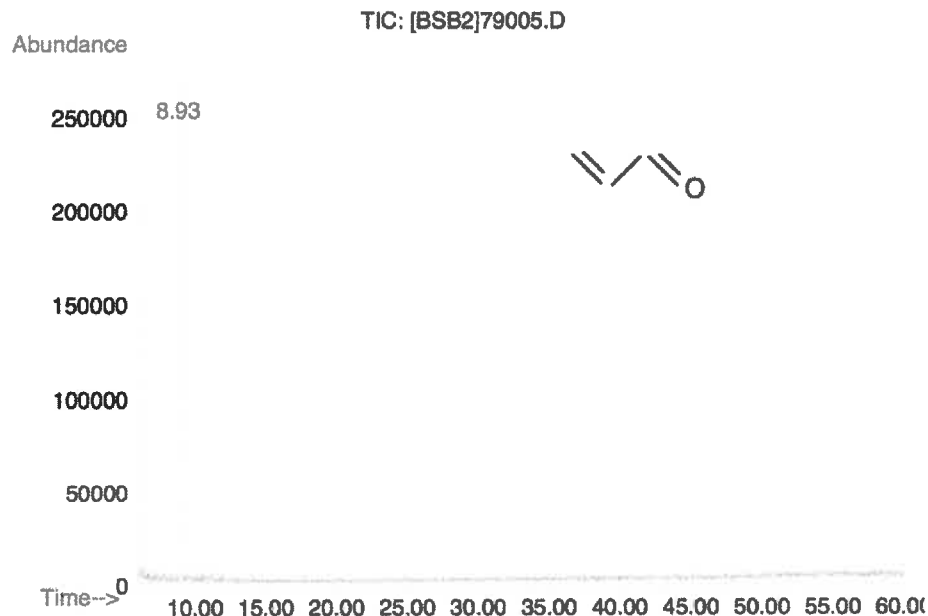
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15064 to
V15068

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	0.05186	0.05176	5009.9	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.)
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- Rev 1.0, 2/25/2025

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight (g)	Vial A Time	Vial B Weight (g)	Vial B Time	Vial C Weight (g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q3321-01	5.60	11:00	5.17	11:01	5.32	11:02	V14921	10/09/2025	ENCORE SAMPLE 8260 STORED IN FRZ #2

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Control # A3041177



SHIPPING DOCUMENTS

- 1
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- 17
- 18

Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

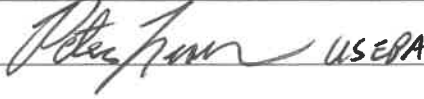
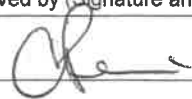
Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	TAL VOCs	Soil	10/8/2025	14:15	3	5-g Encore sampler	4 C	
	P001-DS-01	P001	TAL SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL PCBs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass cl jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Metals+Hg&CN	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP VOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Metals+Hg	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Herbicides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	 USEPA	10/8/25 1600H		10/9/25 10:00	IR Gun #1 3.4

Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

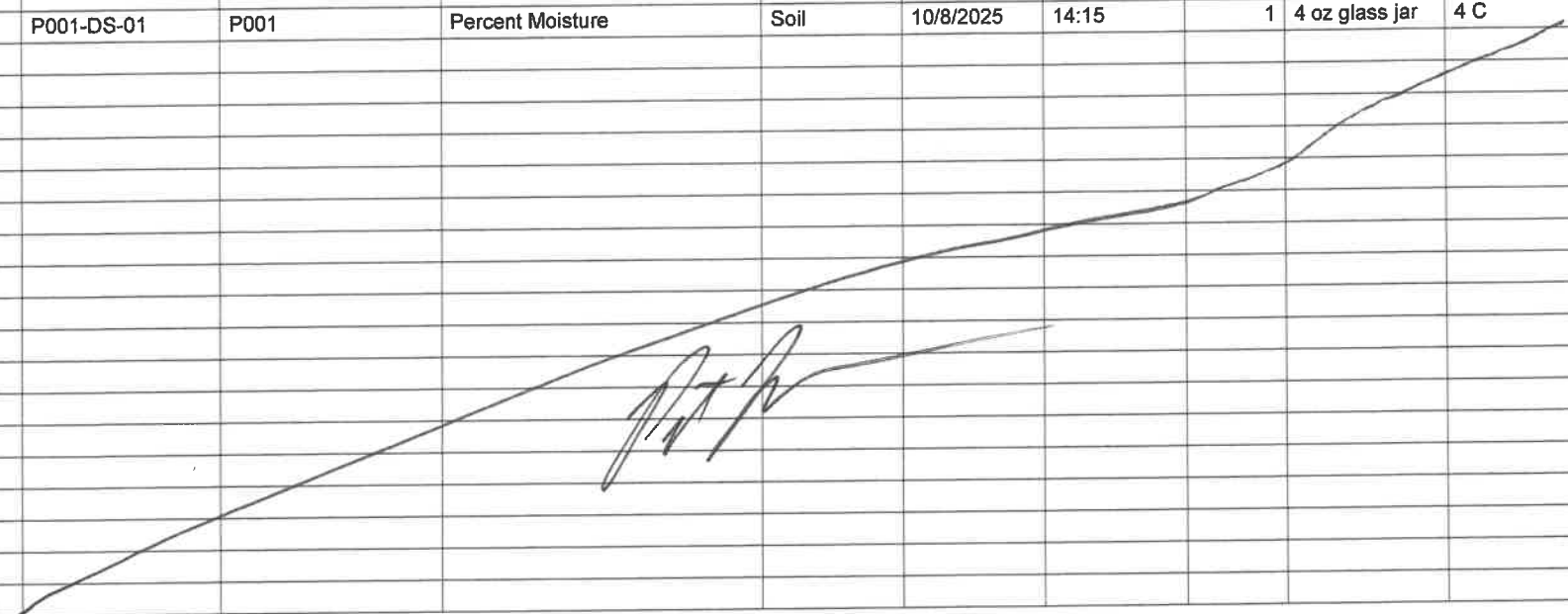
Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

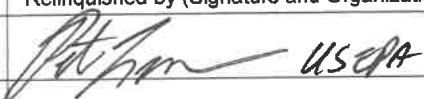
Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	Percent Moisture	Soil	10/8/2025	14:15	1	4 oz glass jar	4 C	
										

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	 USEPA	10/8/25 1600 AM		1000 10/9/25	IR 5000 3.4

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3321	ROYF02	Order Date : 10/9/2025 10:30:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905-918	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order : 10:00	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3321-01	P001-DS-01	Solid	10/08/2025	14:15	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time : 10/9/25 10:00

Received By :

Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room