

DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q1730

ATTENTION : Adam Roy



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1730

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q1730-01
Q1730-02
Q1730-03
Q1730-04
Q1730-05
Q1730-06
Q1730-07
Q1730-08
Q1730-09
Q1730-10
Q1730-11
Q1730-12
Q1730-13
Q1730-14
Q1730-15
Q1730-16
Q1730-17
Q1730-18
Q1730-19
Q1730-20

Client Sample Number

OU4-VSL-15-040325
OU4-VSL-15-040325
OU4-VSL-16-040325
OU4-VSL-16-040325
OU4-VSL-17-040325
OU4-VSL-17-040325
OU4-PCS-TC-21-040325
OU4-PCS-TC-21-040325
OU4-PCS-TC-22-040325
OU4-PCS-TC-22-040325
OU4-PCS-TC-23-040325
OU4-PCS-TC-23-040325
OU4-PCS-TC-24-040325
OU4-PCS-TC-24-040325
OU4-PCS-TC-25-040325
OU4-PCS-TC-25-040325
OU4-PCS-TC-26-040325
OU4-PCS-TC-26-040325
OU4-CF-15-040325
OU4-CF-15-040325

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:13 am, Apr 17, 2025

Date: 4/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1730

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 04/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS Group3 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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

The %RSD is greater than 20% in the Initial Calibration method (82Y032725S.M) for Methylene Chloride is passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

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 not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

The SDG Q1730 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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

Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:13 am, Apr 17, 2025

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

CHEMTECH PROJECT NUMBER: Q1730

MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82Y032725S.M) for Methylene Chloride is passing on Linear Regression. 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. The RPD met criteria. The Blank Spike met requirements for all samples. The Blank Spike Duplicate met requirements for all samples.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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 not QT review data is reported in the Miscellaneous.

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

The SDG Q1730 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:10 am, Apr 17, 2025

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1730

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

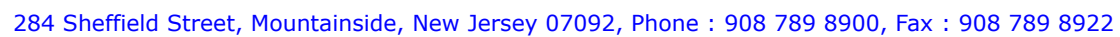
QA Review Signature: SOHIL JODHANI

Date: 04/10/2025

LAB CHRONICLE

OrderID:	Q1730	OrderDate:	4/4/2025 10:51:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1730-01	OU4-VSL-15-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-03	OU4-VSL-16-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-05	OU4-VSL-17-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-07	OU4-PCS-TC-21-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-09	OU4-PCS-TC-22-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-11	OU4-PCS-TC-23-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-13	OU4-PCS-TC-24-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-15	OU4-PCS-TC-25-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/04/25	04/04/25
Q1730-17	OU4-PCS-TC-26-040325	SOIL	VOCMS Group3	8260D	04/03/25		04/07/25	04/04/25
Q1730-19	OU4-CF-15-040325	SOIL			04/03/25			04/04/25



VOCMS Group3

8260D

04/07/25

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Hit Summary Sheet
SW-846

SDG No.: Q1730
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q1730-01	OU4-VSL-15-040325 OU4-VSL-15-040325 SOIL	Acetone		0.016	J	0.0047	0.020	0.025	mg/Kg
		Total Voc :		0.016					
		Total Concentration:		0.016					
Client ID: Q1730-03	OU4-VSL-16-040325 OU4-VSL-16-040325 SOIL	Acetone		0.014	J	0.0048	0.020	0.025	mg/Kg
		Total Voc :		0.014					
		Total Concentration:		0.014					
Client ID: Q1730-05	OU4-VSL-17-040325 OU4-VSL-17-040325 SOIL	Acetone		0.024		0.0045	0.019	0.024	mg/Kg
		Total Voc :		0.024					
		Total Concentration:		0.024					
Client ID: Q1730-07	OU4-PCS-TC-21-040325 OU4-PCS-TC-21-040325 SOIL	Acetone		0.021	J	0.0048	0.020	0.025	mg/Kg
		Total Voc :		0.021					
		Total Concentration:		0.021					
Client ID: Q1730-11	OU4-PCS-TC-23-040325 OU4-PCS-TC-23-040325 SOIL	Acetone		0.028		0.0044	0.019	0.023	mg/Kg
		Total Voc :		0.028					
		Total Concentration:		0.028					
Client ID: Q1730-13	OU4-PCS-TC-24-040325 OU4-PCS-TC-24-040325 SOIL	Acetone		0.017	J	0.0041	0.017	0.021	mg/Kg
		Total Voc :		0.017					
		Total Concentration:		0.017					
Client ID: Q1730-15	OU4-PCS-TC-25-040325 OU4-PCS-TC-25-040325 SOIL	Acetone		0.029		0.0043	0.018	0.023	mg/Kg
		Total Voc :		0.029					
		Total Concentration:		0.029					
Client ID: Q1730-17	OU4-PCS-TC-26-040325 OU4-PCS-TC-26-040325 SOIL	Acetone		0.10		0.0041	0.017	0.022	mg/Kg
		Total Voc :		0.10					
		Total Concentration:		0.10					
Client ID: Q1730-19	OU4-CF-15-040325 OU4-CF-15-040325 SOIL	Acetone		0.017	J	0.0046	0.019	0.024	mg/Kg
		Total Voc :		0.017					
		Total Concentration:		0.017					



QC SUMMARY

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Surrogate Summary

SDG No.: **Q1730**

Client: **Nobis Group**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1730-01	OU4-VSL-15-040325	1,2-Dichloroethane-d4	50	48.3	97	71	136
		Dibromofluoromethane	50	47.9	96	78	119
		Toluene-d8	50	49.0	98	85	116
		4-Bromofluorobenzene	50	44.5	89	79	119
Q1730-03	OU4-VSL-16-040325	1,2-Dichloroethane-d4	50	57.7	115	71	136
		Dibromofluoromethane	50	50.6	101	78	119
		Toluene-d8	50	49.5	99	85	116
		4-Bromofluorobenzene	50	47.8	96	79	119
Q1730-05	OU4-VSL-17-040325	1,2-Dichloroethane-d4	50	50.1	100	71	136
		Dibromofluoromethane	50	48.6	97	78	119
		Toluene-d8	50	49.2	98	85	116
		4-Bromofluorobenzene	50	45.3	91	79	119
Q1730-07	OU4-PCS-TC-21-040325	1,2-Dichloroethane-d4	50	58.9	118	71	136
		Dibromofluoromethane	50	51.7	103	78	119
		Toluene-d8	50	50.0	100	85	116
		4-Bromofluorobenzene	50	49.1	98	79	119
Q1730-09	OU4-PCS-TC-22-040325	1,2-Dichloroethane-d4	50	58.5	117	71	136
		Dibromofluoromethane	50	51.1	102	78	119
		Toluene-d8	50	50.2	100	85	116
		4-Bromofluorobenzene	50	49.0	98	79	119
Q1730-11	OU4-PCS-TC-23-040325	1,2-Dichloroethane-d4	50	54.0	108	71	136
		Dibromofluoromethane	50	49.7	99	78	119
		Toluene-d8	50	49.7	99	85	116
		4-Bromofluorobenzene	50	47.1	94	79	119
Q1730-13	OU4-PCS-TC-24-040325	1,2-Dichloroethane-d4	50	59.1	118	71	136
		Dibromofluoromethane	50	50.9	102	78	119
		Toluene-d8	50	50.4	101	85	116
		4-Bromofluorobenzene	50	49.5	99	79	119
Q1730-15	OU4-PCS-TC-25-040325	1,2-Dichloroethane-d4	50	55.6	111	71	136
		Dibromofluoromethane	50	50.4	101	78	119
		Toluene-d8	50	50.2	100	85	116
		4-Bromofluorobenzene	50	48.5	97	79	119
Q1730-17	OU4-PCS-TC-26-040325	1,2-Dichloroethane-d4	50	55.3	111	71	136
		Dibromofluoromethane	50	52.1	104	78	119
		Toluene-d8	50	49.3	99	85	116
		4-Bromofluorobenzene	50	41.7	83	79	119
Q1730-19	OU4-CF-15-040325	1,2-Dichloroethane-d4	50	62.8	126	71	136
		Dibromofluoromethane	50	56.0	112	78	119
		Toluene-d8	50	51.9	104	85	116
		4-Bromofluorobenzene	50	45.2	90	79	119
VY0404SBL01	VY0404SBL01	1,2-Dichloroethane-d4	50	52.3	105	71	136
		Dibromofluoromethane	50	50.5	101	78	119
		Toluene-d8	50	49.3	99	85	116
		4-Bromofluorobenzene	50	45.2	90	79	119
VY0404SBS01	VY0404SBS01	1,2-Dichloroethane-d4	50	52.4	105	71	136
		Dibromofluoromethane	50	53.3	107	78	119
		Toluene-d8	50	53.8	108	85	116
		4-Bromofluorobenzene	50	52.8	106	79	119
VY0404SBSD01	VY0404SBSD01	1,2-Dichloroethane-d4	50	49.8	100	71	136
		Dibromofluoromethane	50	52.1	104	78	119

Surrogate Summary

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY0404SBSD01	VY0404SBSD01	Toluene-d8	50	51.8	104	85	116
		4-Bromofluorobenzene	50	51.0	102	79	119
VY0407SBL01	VY0407SBL01	1,2-Dichloroethane-d4	50	51.6	103	71	136
		Dibromofluoromethane	50	50.3	101	78	119
		Toluene-d8	50	47.6	95	85	116
		4-Bromofluorobenzene	50	41.9	84	79	119
VY0407SBS01	VY0407SBS01	1,2-Dichloroethane-d4	50	51.4	103	71	136
		Dibromofluoromethane	50	51.1	102	78	119
		Toluene-d8	50	51.3	103	85	116
		4-Bromofluorobenzene	50	51.8	104	79	119

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Datafile : VY021778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0404SBS01	Dichlorodifluoromethane	20	18.7	ug/Kg	94			29	149	
	Chloromethane	20	19.1	ug/Kg	96			50	136	
	Vinyl chloride	20	18.6	ug/Kg	93			56	135	
	Bromomethane	20	20.1	ug/Kg	101			53	143	
	Chloroethane	20	19.2	ug/Kg	96			59	139	
	Tetrahydrofuran	100	86.2	ug/Kg	86			61	135	
	Trichlorofluoromethane	20	19.9	ug/Kg	100			62	140	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			66	136	
	1,1-Dichloroethene	20	19.3	ug/Kg	97			70	131	
	Acrylonitrile	100	89.2	ug/Kg	89			65	134	
	Acetone	100	85.6	ug/Kg	86			36	164	
	Carbon disulfide	20	18.7	ug/Kg	94			63	132	
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91			73	125	
	Methylene Chloride	20	19.0	ug/Kg	95			70	128	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			74	125	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			76	125	
	2-Butanone	100	86.8	ug/Kg	87			51	148	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70	135	
	2,2-Dichloropropane	20	20.0	ug/Kg	100			67	133	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			77	123	
	Chloroform	20	19.7	ug/Kg	99			78	123	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			73	130	
	1,1-Dichloropropene	20	20.2	ug/Kg	101			76	125	
	Benzene	20	19.8	ug/Kg	99			77	121	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			73	128	
	Trichloroethene	20	20.4	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	19.9	ug/Kg	100			76	123	
	Dibromomethane	20	18.8	ug/Kg	94			78	125	
	Bromodichloromethane	20	19.7	ug/Kg	99			75	127	
	4-Methyl-2-Pentanone	100	88.7	ug/Kg	89			65	135	
	Toluene	20	20.0	ug/Kg	100			77	121	
	t-1,3-Dichloropropene	20	19.0	ug/Kg	95			71	130	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	19.6	ug/Kg	98			78	121	
	1,3-Dichloropropane	20	18.9	ug/Kg	95			77	121	
	2-Hexanone	100	86.2	ug/Kg	86			53	145	
	Dibromochloromethane	20	19.3	ug/Kg	97			74	126	
	1,2-Dibromoethane	20	19.1	ug/Kg	96			78	122	
	Tetrachloroethene	20	21.4	ug/Kg	107			73	128	
	Chlorobenzene	20	19.7	ug/Kg	99			79	120	
	1,1,1,2-Tetrachloroethane	20	20.2	ug/Kg	101			78	125	
	Ethyl Benzene	20	19.6	ug/Kg	98			76	122	
	m/p-Xylenes	40	39.1	ug/Kg	98			77	124	
	o-Xylene	20	19.8	ug/Kg	99			77	123	
	Styrene	20	19.6	ug/Kg	98			76	124	
	Bromoform	20	18.9	ug/Kg	95			67	132	
	Isopropylbenzene	20	18.7	ug/Kg	94			68	134	
	1,1,2,2-Tetrachloroethane	20	17.1	ug/Kg	86			70	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Datafile : VY021778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0404SBS01	1,2,3-Trichloropropane	20	18.2	ug/Kg	91			73	125	
	Bromobenzene	20	19.0	ug/Kg	95			78	121	
	N-propylbenzene	20	19.5	ug/Kg	98			73	125	
	2-Chlorotoluene	20	19.2	ug/Kg	96			75	122	
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95			73	124	
	4-Chlorotoluene	20	19.0	ug/Kg	95			72	124	
	tert-Butylbenzene	20	18.6	ug/Kg	93			73	125	
	1,2,4-Trimethylbenzene	20	19.2	ug/Kg	96			75	123	
	Sec-butylbenzene	20	19.4	ug/Kg	97			73	126	
	p-Isopropyltoluene	20	19.4	ug/Kg	97			73	127	
	1,3-Dichlorobenzene	20	19.0	ug/Kg	95			77	121	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			75	120	
	n-Butylbenzene	20	19.1	ug/Kg	96			70	128	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			78	121	
	1,2-Dibromo-3-Chloropropane	20	17.5	ug/Kg	88			61	132	
	1,2,4-Trichlorobenzene	20	17.9	ug/Kg	90			67	129	
	Hexachlorobutadiene	20	19.2	ug/Kg	96			61	135	
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89			66	130	
	trans-1,4-Dichloro-2-butene	20	16.3	ug/Kg	81			62	136	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Datafile : VY021779.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0404SBSD01	Dichlorodifluoromethane	20	18.3	ug/Kg	92	2		29	149	20
	Chloromethane	20	18.3	ug/Kg	92	4		50	136	20
	Vinyl chloride	20	18.2	ug/Kg	91	2		56	135	20
	Bromomethane	20	19.2	ug/Kg	96	5		53	143	20
	Chloroethane	20	18.5	ug/Kg	93	3		59	139	20
	Tetrahydrofuran	100	87.8	ug/Kg	88	2		61	135	20
	Trichlorofluoromethane	20	18.5	ug/Kg	93	7		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/Kg	96	7		66	136	20
	1,1-Dichloroethene	20	18.6	ug/Kg	93	4		70	131	20
	Acrylonitrile	100	90.1	ug/Kg	90	1		65	134	20
	Acetone	100	80.8	ug/Kg	81	6		36	164	20
	Carbon disulfide	20	17.8	ug/Kg	89	5		63	132	20
	Methyl tert-butyl Ether	20	17.7	ug/Kg	89	2		73	125	20
	Methylene Chloride	20	17.8	ug/Kg	89	7		70	128	20
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92	3		74	125	20
	1,1-Dichloroethane	20	18.7	ug/Kg	94	5		76	125	20
	2-Butanone	100	84.5	ug/Kg	85	2		51	148	20
	Carbon Tetrachloride	20	19.6	ug/Kg	98	4		70	135	20
	2,2-Dichloropropane	20	18.7	ug/Kg	94	6		67	133	20
	cis-1,2-Dichloroethene	20	18.5	ug/Kg	93	5		77	123	20
	Chloroform	20	18.6	ug/Kg	93	6		78	123	20
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96	3		73	130	20
	1,1-Dichloropropene	20	19.5	ug/Kg	98	3		76	125	20
	Benzene	20	19.1	ug/Kg	96	3		77	121	20
	1,2-Dichloroethane	20	19.1	ug/Kg	96	2		73	128	20
	Trichloroethene	20	19.4	ug/Kg	97	5		77	123	20
	1,2-Dichloropropane	20	19.4	ug/Kg	97	3		76	123	20
	Dibromomethane	20	18.8	ug/Kg	94	0		78	125	20
	Bromodichloromethane	20	19.4	ug/Kg	97	2		75	127	20
	4-Methyl-2-Pentanone	100	90.1	ug/Kg	90	1		65	135	20
	Toluene	20	19.0	ug/Kg	95	5		77	121	20
	t-1,3-Dichloropropene	20	18.8	ug/Kg	94	1		71	130	20
	cis-1,3-Dichloropropene	20	18.6	ug/Kg	93	4		74	126	20
	1,1,2-Trichloroethane	20	19.5	ug/Kg	98	0		78	121	20
	1,3-Dichloropropane	20	18.9	ug/Kg	95	0		77	121	20
	2-Hexanone	100	88.2	ug/Kg	88	2		53	145	20
	Dibromochloromethane	20	19.2	ug/Kg	96	1		74	126	20
	1,2-Dibromoethane	20	18.9	ug/Kg	95	1		78	122	20
	Tetrachloroethene	20	20.4	ug/Kg	102	5		73	128	20
	Chlorobenzene	20	19.2	ug/Kg	96	3		79	120	20
	1,1,1,2-Tetrachloroethane	20	19.3	ug/Kg	97	4		78	125	20
	Ethyl Benzene	20	19.0	ug/Kg	95	3		76	122	20
	m/p-Xylenes	40	38.5	ug/Kg	96	2		77	124	20
	o-Xylene	20	18.8	ug/Kg	94	5		77	123	20
	Styrene	20	19.1	ug/Kg	96	2		76	124	20
	Bromoform	20	19.7	ug/Kg	99	4		67	132	20
	Isopropylbenzene	20	18.7	ug/Kg	94	0		68	134	20
	1,1,2,2-Tetrachloroethane	20	17.9	ug/Kg	90	5		70	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Datafile : VY021779.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0404SBSD01	1,2,3-Trichloropropane	20	18.3	ug/Kg	92	1		73	125	20
	Bromobenzene	20	18.8	ug/Kg	94	1		78	121	20
	N-propylbenzene	20	19.1	ug/Kg	96	2		73	125	20
	2-Chlorotoluene	20	18.9	ug/Kg	95	1		75	122	20
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95	0		73	124	20
	4-Chlorotoluene	20	19.0	ug/Kg	95	0		72	124	20
	tert-Butylbenzene	20	18.8	ug/Kg	94	1		73	125	20
	1,2,4-Trimethylbenzene	20	19.0	ug/Kg	95	1		75	123	20
	Sec-butylbenzene	20	19.3	ug/Kg	97	0		73	126	20
	p-Isopropyltoluene	20	19.2	ug/Kg	96	1		73	127	20
	1,3-Dichlorobenzene	20	19.1	ug/Kg	96	1		77	121	20
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95	0		75	120	20
	n-Butylbenzene	20	18.7	ug/Kg	94	2		70	128	20
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97	1		78	121	20
	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91	3		61	132	20
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92	2		67	129	20
	Hexachlorobutadiene	20	19.1	ug/Kg	96	0		61	135	20
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91	2		66	130	20
	trans-1,4-Dichloro-2-butene	20	17.9	ug/Kg	90	11		62	136	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Datafile : VY021796.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0407SBS01	Dichlorodifluoromethane	20	17.4	ug/Kg	87			29	149	
	Chloromethane	20	20.0	ug/Kg	100			50	136	
	Vinyl chloride	20	18.4	ug/Kg	92			56	135	
	Bromomethane	20	21.5	ug/Kg	108			53	143	
	Chloroethane	20	19.8	ug/Kg	99			59	139	
	Tetrahydrofuran	100	91.4	ug/Kg	91			61	135	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			62	140	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/Kg	94			66	136	
	1,1-Dichloroethene	20	18.2	ug/Kg	91			70	131	
	Acrylonitrile	100	96.8	ug/Kg	97			65	134	
	Acetone	100	73.8	ug/Kg	74			36	164	
	Carbon disulfide	20	17.6	ug/Kg	88			63	132	
	Methyl tert-butyl Ether	20	18.4	ug/Kg	92			73	125	
	Methylene Chloride	20	19.3	ug/Kg	97			70	128	
	trans-1,2-Dichloroethene	20	18.7	ug/Kg	94			74	125	
	1,1-Dichloroethane	20	19.1	ug/Kg	96			76	125	
	2-Butanone	100	85.5	ug/Kg	86			51	148	
	Carbon Tetrachloride	20	18.9	ug/Kg	95			70	135	
	2,2-Dichloropropane	20	17.8	ug/Kg	89			67	133	
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			77	123	
	Chloroform	20	19.4	ug/Kg	97			78	123	
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94			73	130	
	1,1-Dichloropropene	20	18.6	ug/Kg	93			76	125	
	Benzene	20	19.3	ug/Kg	97			77	121	
	1,2-Dichloroethane	20	19.3	ug/Kg	97			73	128	
	Trichloroethene	20	20.2	ug/Kg	101			77	123	
	1,2-Dichloropropane	20	19.5	ug/Kg	98			76	123	
	Dibromomethane	20	20.0	ug/Kg	100			78	125	
	Bromodichloromethane	20	19.6	ug/Kg	98			75	127	
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96			65	135	
	Toluene	20	19.5	ug/Kg	98			77	121	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			71	130	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			78	121	
	1,3-Dichloropropane	20	19.5	ug/Kg	98			77	121	
	2-Hexanone	100	93.2	ug/Kg	93			53	145	
	Dibromochloromethane	20	19.8	ug/Kg	99			74	126	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			78	122	
	Tetrachloroethene	20	21.2	ug/Kg	106			73	128	
	Chlorobenzene	20	19.0	ug/Kg	95			79	120	
	1,1,1,2-Tetrachloroethane	20	19.0	ug/Kg	95			78	125	
	Ethyl Benzene	20	18.2	ug/Kg	91			76	122	
	m/p-Xylenes	40	37.5	ug/Kg	94			77	124	
	o-Xylene	20	18.5	ug/Kg	93			77	123	
	Styrene	20	18.7	ug/Kg	94			76	124	
	Bromoform	20	19.5	ug/Kg	98			67	132	
	Isopropylbenzene	20	17.6	ug/Kg	88			68	134	
	1,1,2,2-Tetrachloroethane	20	16.5	ug/Kg	83			70	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Datafile : VY021796.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0407SBS01	1,2,3-Trichloropropane	20	17.2	ug/Kg	86			73	125	
	Bromobenzene	20	18.4	ug/Kg	92			78	121	
	N-propylbenzene	20	18.0	ug/Kg	90			73	125	
	2-Chlorotoluene	20	18.0	ug/Kg	90			75	122	
	1,3,5-Trimethylbenzene	20	18.1	ug/Kg	91			73	124	
	4-Chlorotoluene	20	18.1	ug/Kg	91			72	124	
	tert-Butylbenzene	20	17.9	ug/Kg	90			73	125	
	1,2,4-Trimethylbenzene	20	18.3	ug/Kg	92			75	123	
	Sec-butylbenzene	20	18.0	ug/Kg	90			73	126	
	p-Isopropyltoluene	20	18.2	ug/Kg	91			73	127	
	1,3-Dichlorobenzene	20	18.5	ug/Kg	93			77	121	
	1,4-Dichlorobenzene	20	18.8	ug/Kg	94			75	120	
	n-Butylbenzene	20	17.8	ug/Kg	89			70	128	
	1,2-Dichlorobenzene	20	19.0	ug/Kg	95			78	121	
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			61	132	
	1,2,4-Trichlorobenzene	20	18.1	ug/Kg	91			67	129	
	Hexachlorobutadiene	20	18.8	ug/Kg	94			61	135	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			66	130	
	trans-1,4-Dichloro-2-butene	20	18.3	ug/Kg	92			62	136	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0404SBL01

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021777.D

Lab Sample ID: VY0404SBL01

Date Analyzed: 04/04/2025

Time Analyzed: 09:57

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
VY0404SBS01	VY0404SBS01	VY021778.D	04/04/2025
VY0404SBSD01	VY0404SBSD01	VY021779.D	04/04/2025
OU4-VSL-15-040325	Q1730-01	VY021781.D	04/04/2025
OU4-VSL-16-040325	Q1730-03	VY021782.D	04/04/2025
OU4-VSL-17-040325	Q1730-05	VY021783.D	04/04/2025
OU4-PCS-TC-21-040325	Q1730-07	VY021784.D	04/04/2025
OU4-PCS-TC-22-040325	Q1730-09	VY021785.D	04/04/2025
OU4-PCS-TC-23-040325	Q1730-11	VY021786.D	04/04/2025
OU4-PCS-TC-24-040325	Q1730-13	VY021787.D	04/04/2025
OU4-PCS-TC-25-040325	Q1730-15	VY021788.D	04/04/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0407SBL01

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021795.D

Lab Sample ID: VY0407SBL01

Date Analyzed: 04/07/2025

Time Analyzed: 13:35

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
VY0407SBS01	VY0407SBS01	VY021796.D	04/07/2025
OU4-PCS-TC-26-040325	Q1730-17	VY021798.D	04/07/2025
OU4-CF-15-040325	Q1730-19	VY021799.D	04/07/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03
Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
Lab File ID: VY021655.D BFB Injection Date: 03/27/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:23
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY021656.D	03/27/2025	10:08
VSTDIC010	VSTDIC010	VY021657.D	03/27/2025	10:31
VSTDIC020	VSTDIC020	VY021658.D	03/27/2025	10:54
VSTDIC050	VSTDIC050	VY021659.D	03/27/2025	11:16
VSTDIC100	VSTDIC100	VY021660.D	03/27/2025	11:39
VSTDIC150	VSTDIC150	VY021661.D	03/27/2025	12:02

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
 Lab File ID: VY021775.D BFB Injection Date: 04/04/2025
 Instrument ID: MSVOA_Y BFB Injection Time: 08:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	80.2
175	5.0 - 9.0% of mass 174	6.3 (7.8) 1
176	95.0 - 101.0% of mass 174	77.1 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021776.D	04/04/2025	09:22
VY0404SBL01	VY0404SBL01	VY021777.D	04/04/2025	09:57
VY0404SBS01	VY0404SBS01	VY021778.D	04/04/2025	10:26
VY0404SBSD01	VY0404SBSD01	VY021779.D	04/04/2025	10:49
OU4-VSL-15-040325	Q1730-01	VY021781.D	04/04/2025	13:27
OU4-VSL-16-040325	Q1730-03	VY021782.D	04/04/2025	13:50
OU4-VSL-17-040325	Q1730-05	VY021783.D	04/04/2025	14:13
OU4-PCS-TC-21-040325	Q1730-07	VY021784.D	04/04/2025	14:37
OU4-PCS-TC-22-040325	Q1730-09	VY021785.D	04/04/2025	15:00
OU4-PCS-TC-23-040325	Q1730-11	VY021786.D	04/04/2025	15:24
OU4-PCS-TC-24-040325	Q1730-13	VY021787.D	04/04/2025	15:47
OU4-PCS-TC-25-040325	Q1730-15	VY021788.D	04/04/2025	16:11
VSTDCCC050EC	VSTDCCC050	VY021792.D	04/04/2025	17:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
 Lab File ID: VY021793.D BFB Injection Date: 04/07/2025
 Instrument ID: MSVOA_Y BFB Injection Time: 08:38
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.8 (7.9) 1
176	95.0 - 101.0% of mass 174	82.9 (97.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021794.D	04/07/2025	09:10
VY0407SBL01	VY0407SBL01	VY021795.D	04/07/2025	13:35
VY0407SBS01	VY0407SBS01	VY021796.D	04/07/2025	14:07
OU4-PCS-TC-26-040325	Q1730-17	VY021798.D	04/07/2025	15:10
OU4-CF-15-040325	Q1730-19	VY021799.D	04/07/2025	15:32
VSTDCCC050EC	VSTDCCC050	VY021804.D	04/07/2025	17:29

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03
Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
Lab File ID: VY021776.D Date Analyzed: 04/04/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:22
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	228718	7.71	342799	8.62	308777	11.42
UPPER LIMIT	457436	8.207	685598	9.116	617554	11.92
LOWER LIMIT	114359	7.207	171400	8.116	154389	10.92
EPA SAMPLE NO.						
OU4-VSL-15-040325	343368	7.71	647395	8.62	573735	11.42
OU4-VSL-16-040325	302989	7.71	591384	8.62	546276	11.41
OU4-VSL-17-040325	345582	7.71	659294	8.62	587921	11.41
OU4-PCS-TC-21-040325	300002	7.71	589442	8.62	558862	11.41
OU4-PCS-TC-22-040325	302418	7.71	596930	8.62	561519	11.41
OU4-PCS-TC-23-040325	341604	7.71	662745	8.62	606680	11.41
OU4-PCS-TC-24-040325	311584	7.71	616656	8.62	588608	11.41
OU4-PCS-TC-25-040325	320565	7.71	630114	8.62	590211	11.41
VY0404SBL01	292871	7.71	557825	8.62	508122	11.42
VY0404SBS01	212143	7.71	333501	8.62	293102	11.41
VY0404SBSD01	222129	7.71	342162	8.62	299516	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: CHEMTECH Contract: NOBI03
Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
Lab File ID: VY021776.D Date Analyzed: 04/04/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:22
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	160179	13.347				
UPPER LIMIT	320358	13.847				
LOWER LIMIT	80089.5	12.847				
EPA SAMPLE NO.						
OU4-VSL-15-040325	228826	13.35				
OU4-VSL-16-040325	230456	13.35				
OU4-VSL-17-040325	238203	13.35				
OU4-PCS-TC-21-040325	236951	13.35				
OU4-PCS-TC-22-040325	235341	13.35				
OU4-PCS-TC-23-040325	250886	13.35				
OU4-PCS-TC-24-040325	247734	13.35				
OU4-PCS-TC-25-040325	247639	13.35				
VY0404SBL01	199436	13.35				
VY0404SBS01	152811	13.35				
VY0404SBSD01	151992	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03
Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
Lab File ID: VY021794.D Date Analyzed: 04/07/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:10
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	224832	7.71	336981	8.62	298811	11.42
UPPER LIMIT	449664	8.207	673962	9.116	597622	11.92
LOWER LIMIT	112416	7.207	168491	8.116	149406	10.92
EPA SAMPLE NO.						
OU4-PCS-TC-26-040325	178880	7.71	307549	8.62	258255	11.42
OU4-CF-15-040325	155604	7.71	277750	8.62	243254	11.42
VY0407SBL01	188077	7.71	313333	8.62	265951	11.42
VY0407SBS01	202553	7.71	317911	8.62	287816	11.42

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: CHEMTECH Contract: NOBI03
Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730
Lab File ID: VY021794.D Date Analyzed: 04/07/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:10
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	153287	13.346				
UPPER LIMIT	306574	13.846				
LOWER LIMIT	76643.5	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-26-040325	113263	13.35				
OU4-CF-15-040325	107208	13.35				
VY0407SBL01	117542	13.35				
VY0407SBS01	149046	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
- 19

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	5.21	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021781.D	1		04/04/25 13:27	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0046	0.012	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00099	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0049	0.012	0.025	mg/Kg
67-64-1	Acetone	0.016	J	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0079	U	0.0035	0.0079	0.0099	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00085	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00096	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00074	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00083	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00090	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0035	0.012	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021781.D	1		04/04/25 13:27	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0037	0.012	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00090	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00076	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.0099	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00085	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021781.D	1		04/04/25 13:27	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0029	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0031	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		78 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	49.0		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		79 - 119		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	343000	7.707				
540-36-3	1,4-Difluorobenzene	647000	8.616				
3114-55-4	Chlorobenzene-d5	574000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	229000	13.346				

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\VY040425\
Data File : VY021781.D
Acq On : 04 Apr 2025 13:27
Operator : SY/MD
Sample : Q1730-01
Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Quant Time: Apr 04 23:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

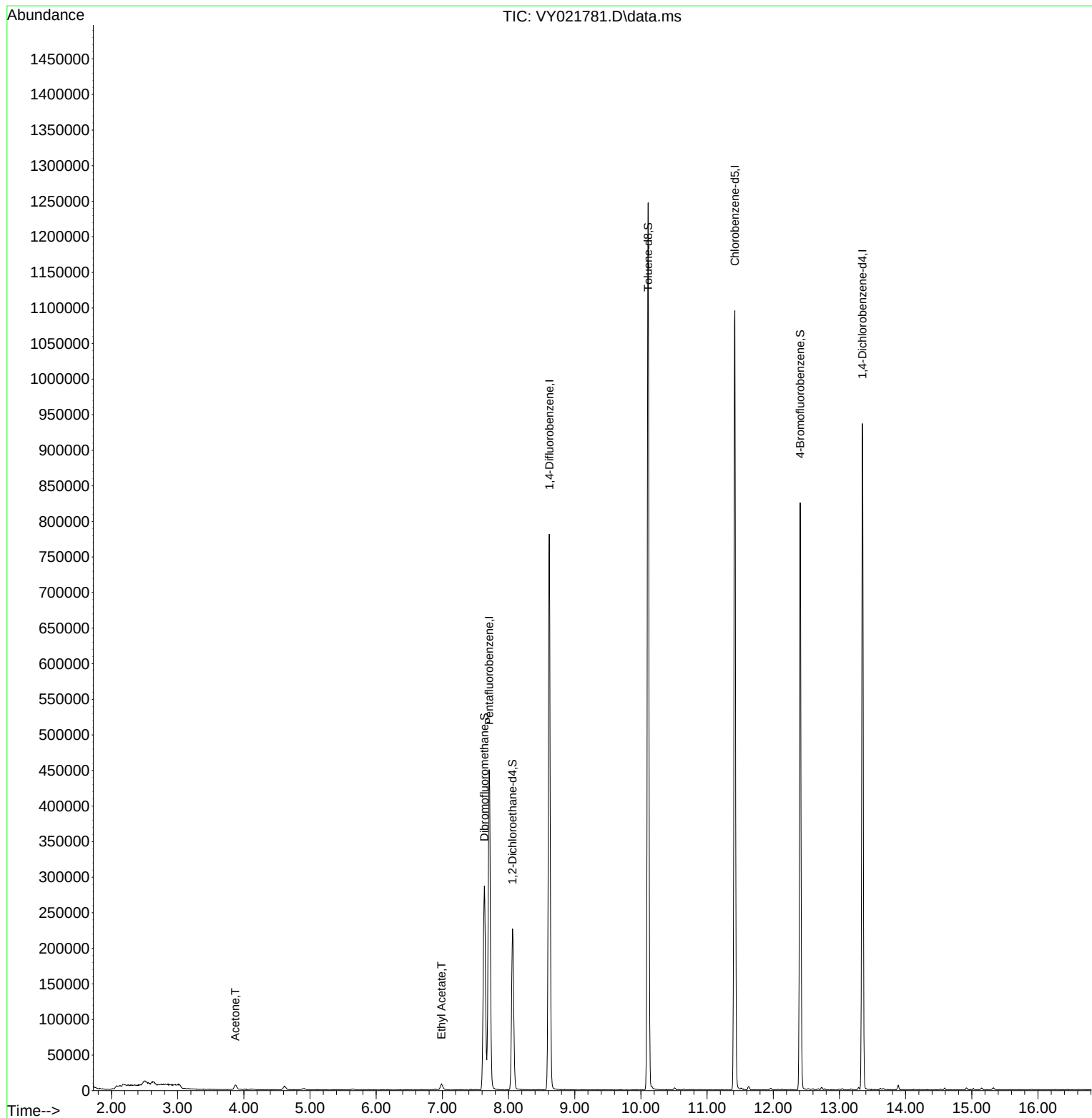
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	343368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	647395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	573735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	228826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179805	48.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.660%
35) Dibromofluoromethane	7.634	113	200979	47.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.720%
50) Toluene-d8	10.109	98	782529	48.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.408	95	240375	44.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.960%
Target Compounds						
16) Acetone	3.872	43	12606	16.556	ug/l	99
37) Ethyl Acetate	6.988	43	13216	4.378	ug/l	99

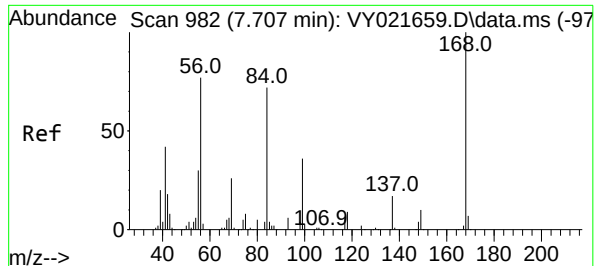
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021781.D
Acq On : 04 Apr 2025 13:27
Operator : SY/MD
Sample : Q1730-01
Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Quant Time: Apr 04 23:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

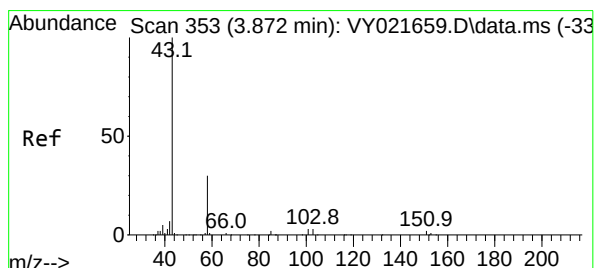
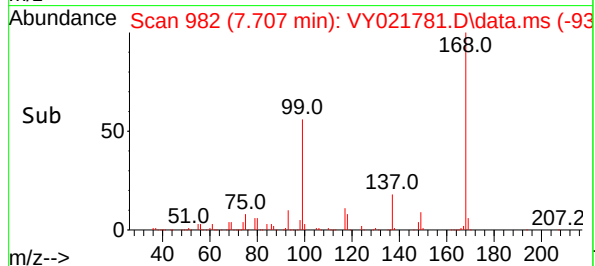
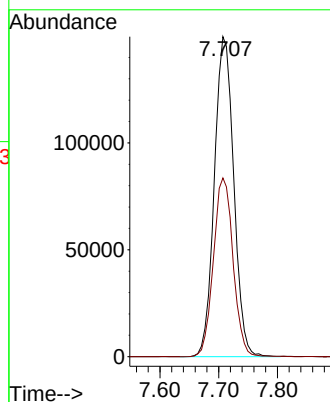
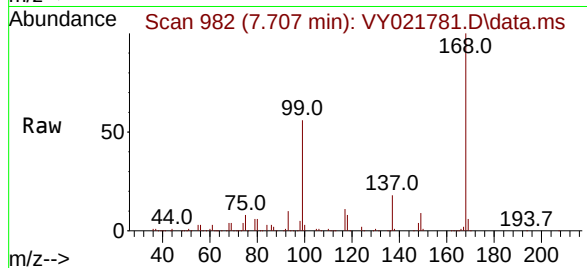




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

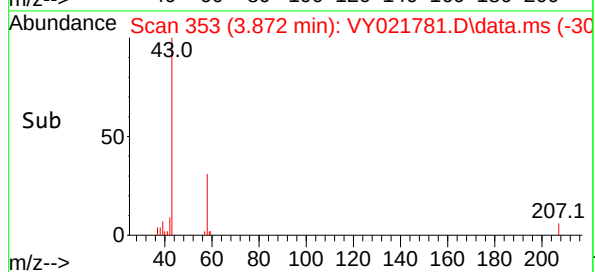
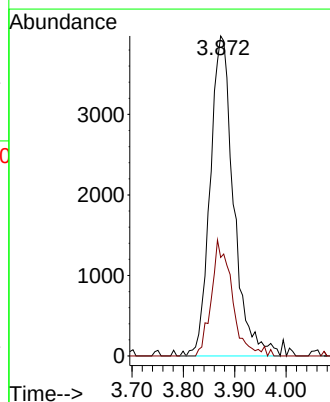
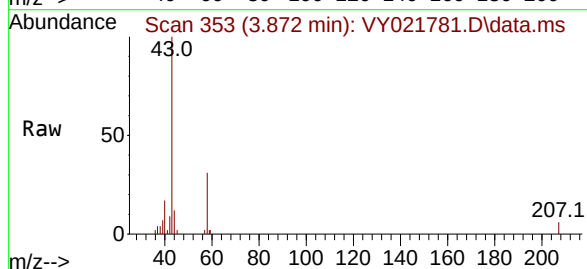
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

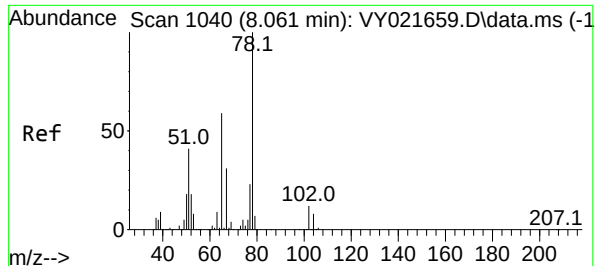
Tgt Ion:168 Resp: 343368
Ion Ratio Lower Upper
168 100
99 55.8 46.7 70.1



#16
Acetone
Concen: 16.556 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 43 Resp: 12606
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 48.331 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

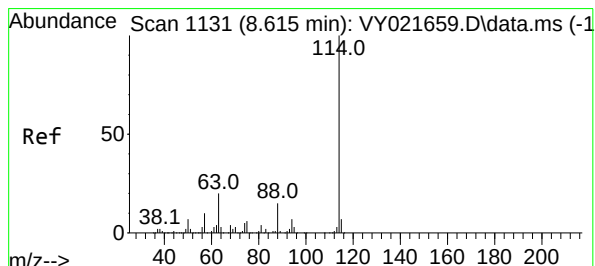
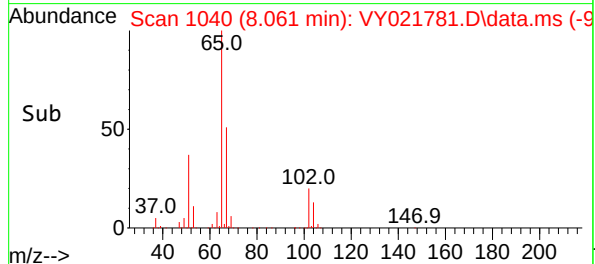
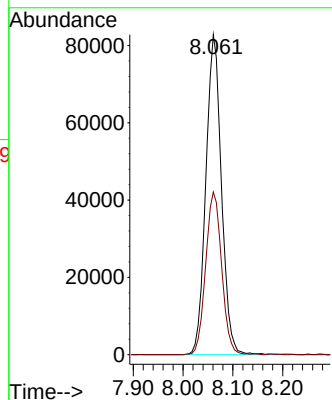
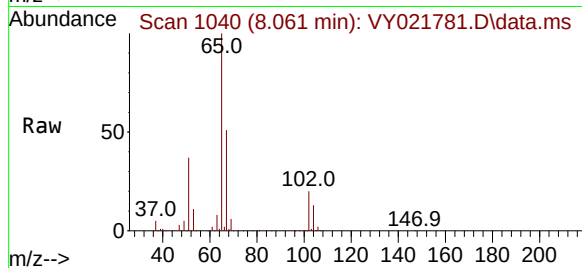
OU4-VSL-15-040325

Tgt Ion: 65 Resp: 179805

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

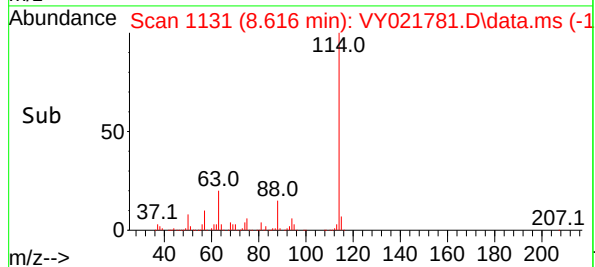
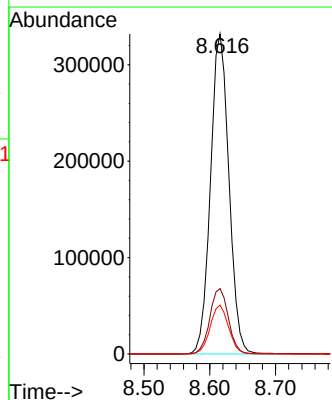
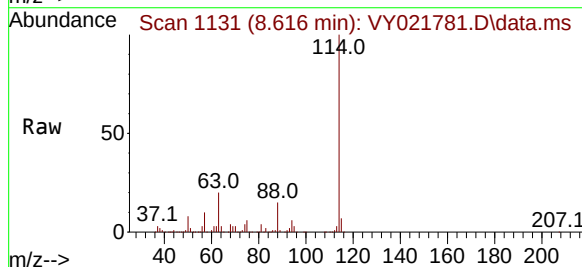
Tgt Ion: 114 Resp: 647395

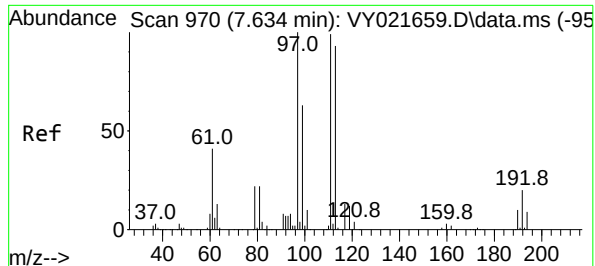
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.857 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-15-040325

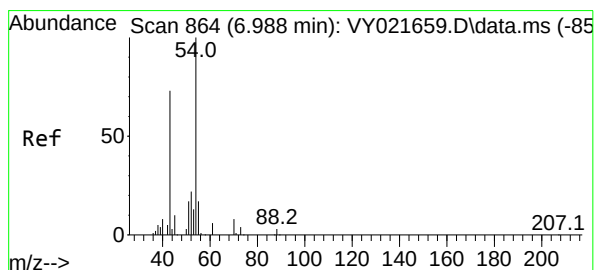
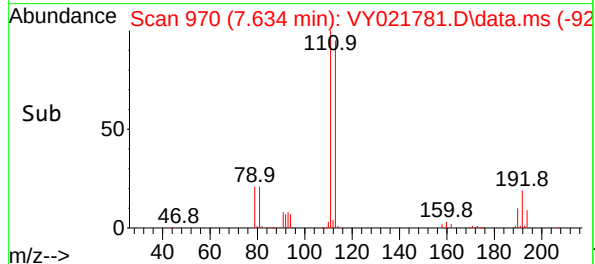
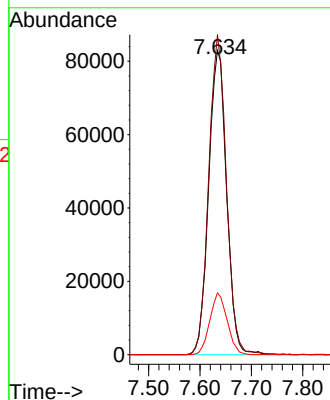
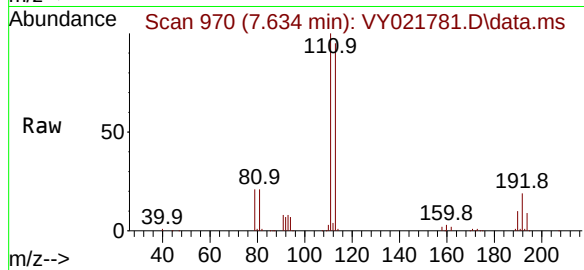
Tgt Ion:113 Resp: 200979

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 19.6 16.2 24.4



#37

Ethyl Acetate

Concen: 4.378 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

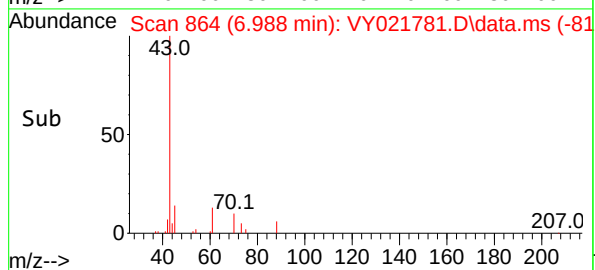
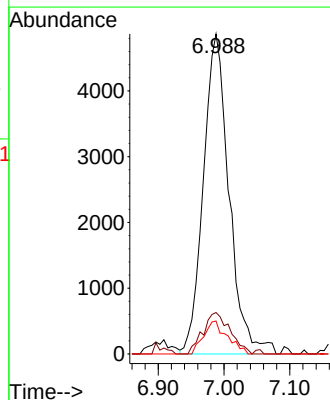
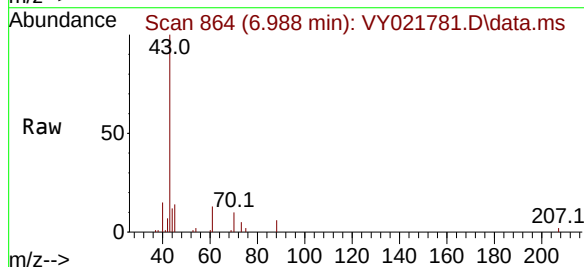
Tgt Ion: 43 Resp: 13216

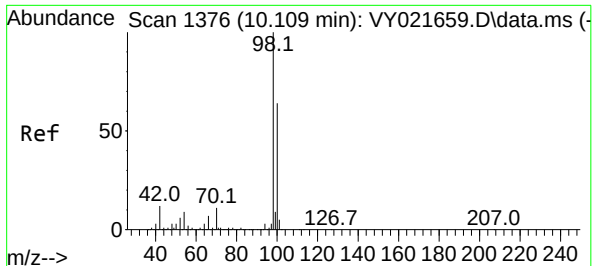
Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.6

70 9.5 8.1 12.1





#50

Toluene-d8

Concen: 48.981 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

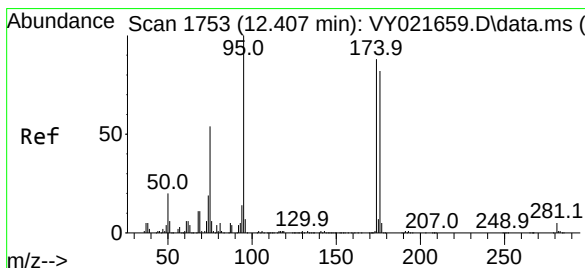
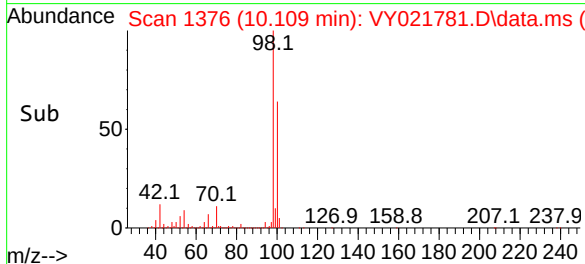
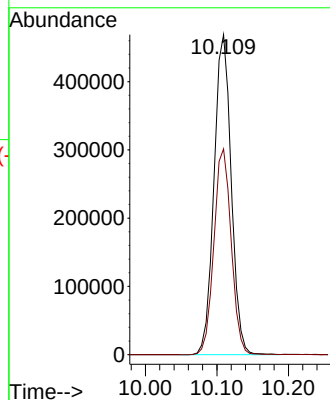
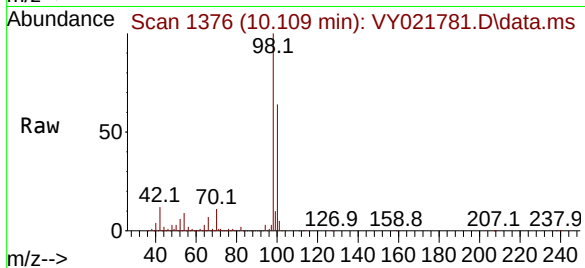
OU4-VSL-15-040325

Tgt Ion: 98 Resp: 782529

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.481 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

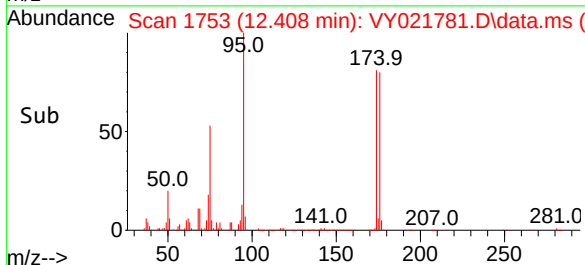
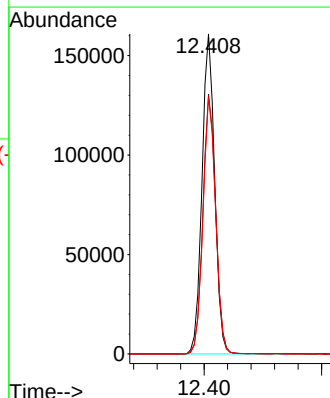
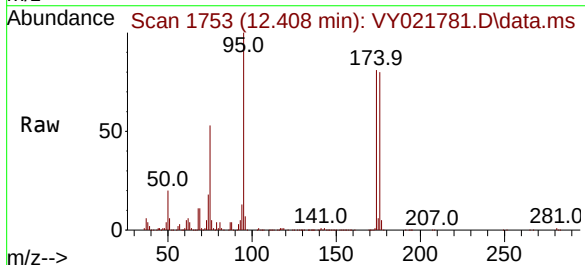
Tgt Ion: 95 Resp: 240375

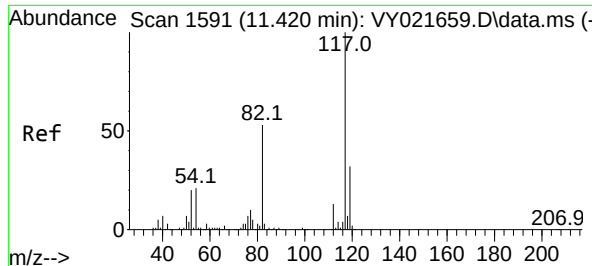
Ion Ratio Lower Upper

95 100

174 82.5 0.0 170.8

176 80.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-15-040325

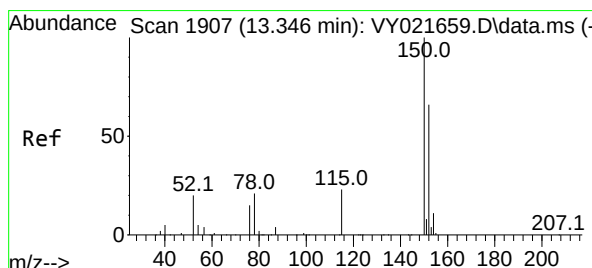
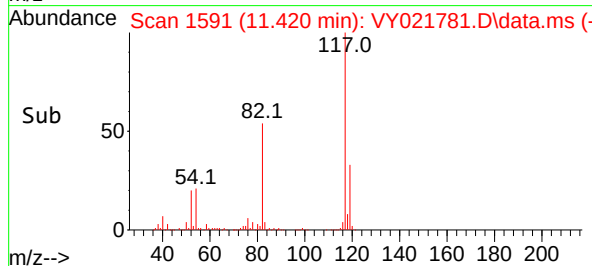
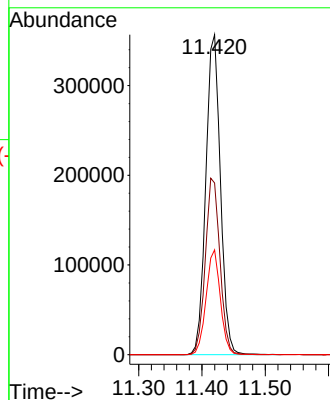
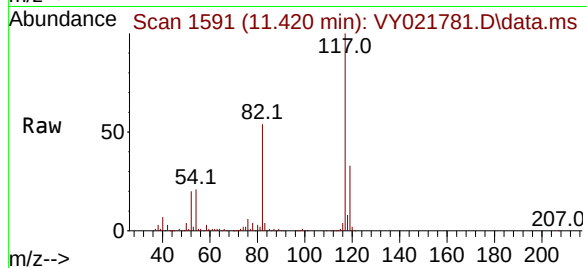
Tgt Ion:117 Resp: 573735

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

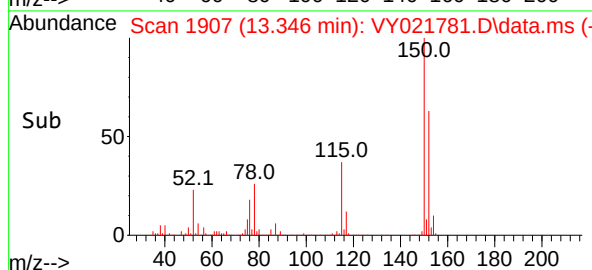
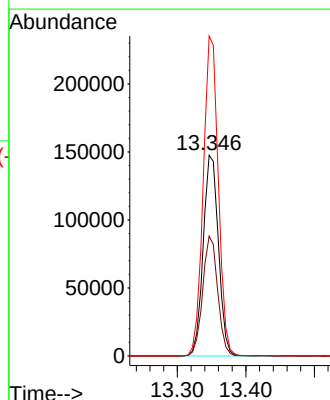
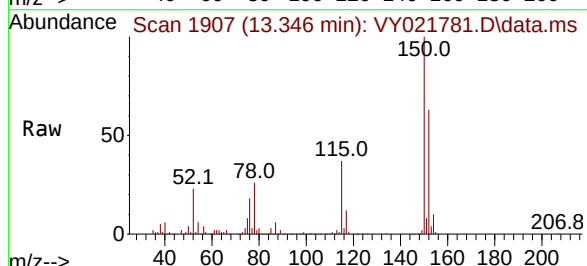
Tgt Ion:152 Resp: 228826

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 157.6 0.0 348.4



Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021782.D	1		04/04/25 13:50	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
74-83-9	Bromomethane	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0051	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0051	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.014	J	0.0048	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.0081	U	0.0036	0.0081	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00087	0.0025	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00081	0.0025	0.0051	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0066	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00098	0.0025	0.0051	mg/Kg
594-20-7	2,2-Dichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00076	0.0025	0.0051	mg/Kg
67-66-3	Chloroform	0.0041	U	0.00085	0.0041	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00094	0.0025	0.0051	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
71-43-2	Benzene	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00082	0.0025	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00092	0.0025	0.0051	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00090	0.0025	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021782.D	1		04/04/25 13:50	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00066	0.0025	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00093	0.0025	0.0051	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00089	0.0025	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00092	0.0025	0.0051	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00078	0.0025	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0051	U	0.0013	0.0051	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0076	U	0.0021	0.0076	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
100-42-5	Styrene	0.0025	U	0.00072	0.0025	0.0051	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00087	0.0025	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00065	0.0025	0.0051	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0051	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0051	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021782.D	1		04/04/25 13:50	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0041	U	0.0019	0.0041	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0041	U	0.0030	0.0041	0.0051	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0041	U	0.0032	0.0041	0.0051	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.7		71 - 136		115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	303000	7.713				
540-36-3	1,4-Difluorobenzene	591000	8.616				
3114-55-4	Chlorobenzene-d5	546000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	230000	13.347				

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\VY040425\
Data File : VY021782.D
Acq On : 04 Apr 2025 13:50
Operator : SY/MD
Sample : Q1730-03
Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Quant Time: Apr 04 23:39:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

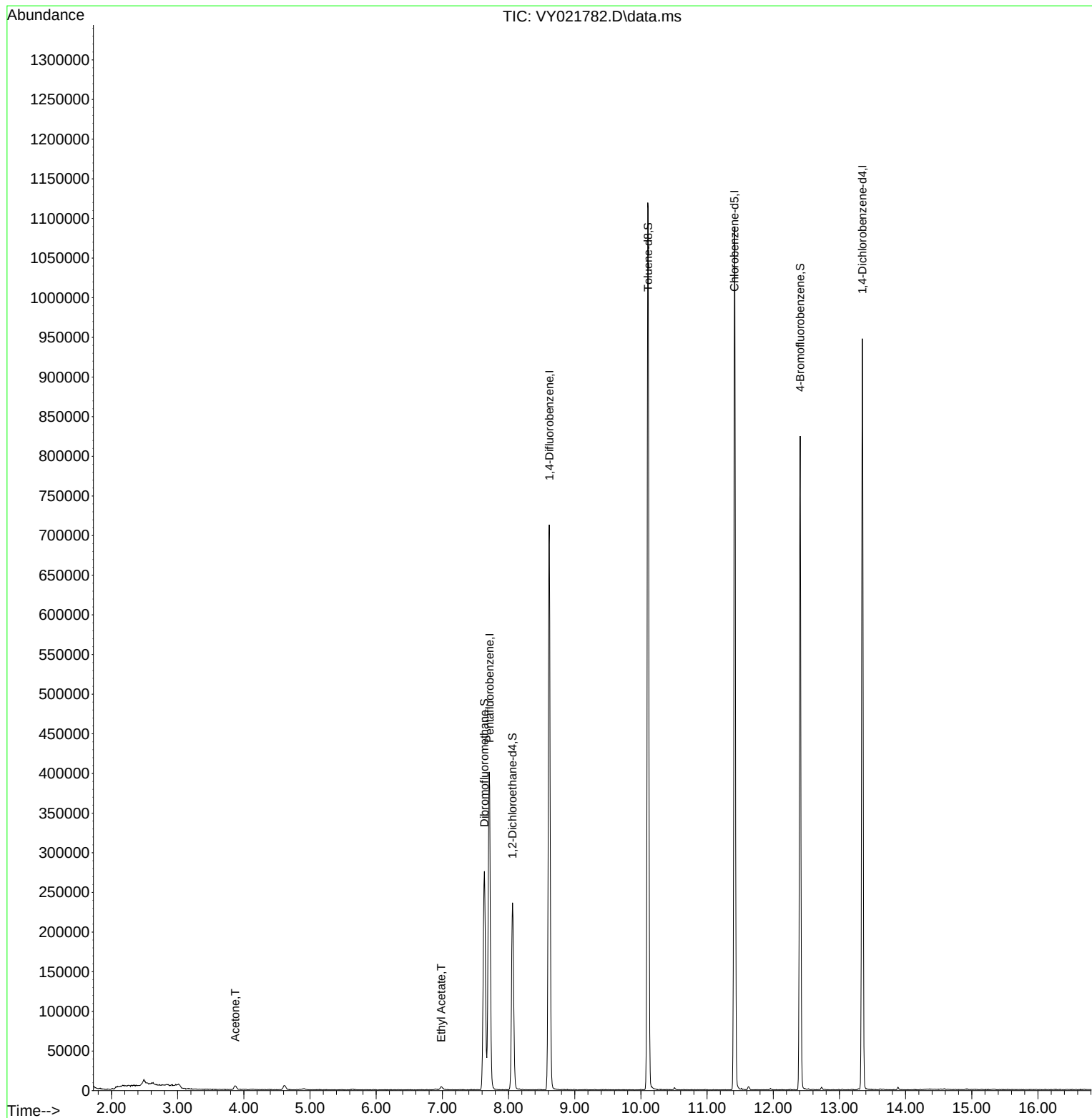
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene		7.713	168	302989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.616	114	591384	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.414	117	546276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.347	152	230456	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.061	65	189545	57.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.480%	
35) Dibromofluoromethane		7.634	113	194103	50.598	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%	
50) Toluene-d8		10.109	98	722172	49.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.960%	
62) 4-Bromofluorobenzene		12.408	95	236153	47.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.680%	
Target Compounds							Qvalue
16) Acetone		3.873	43	9058	13.482	ug/l	97
37) Ethyl Acetate		6.982	43	6270	2.274	ug/l	99

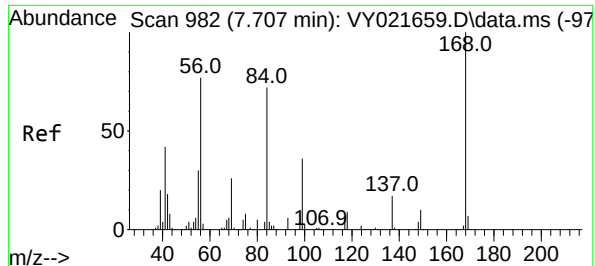
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021782.D
Acq On : 04 Apr 2025 13:50
Operator : SY/MD
Sample : Q1730-03
Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Quant Time: Apr 04 23:39:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

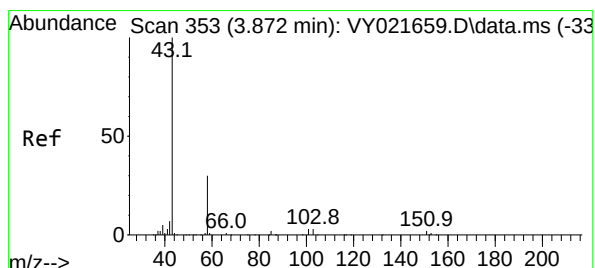
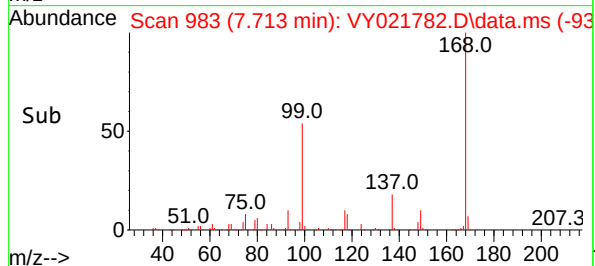
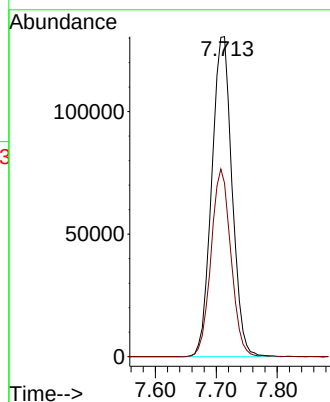
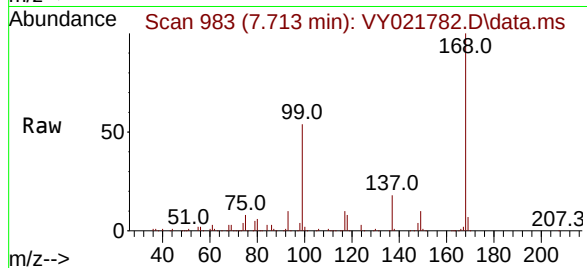




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

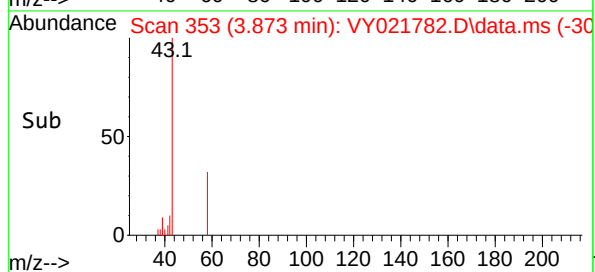
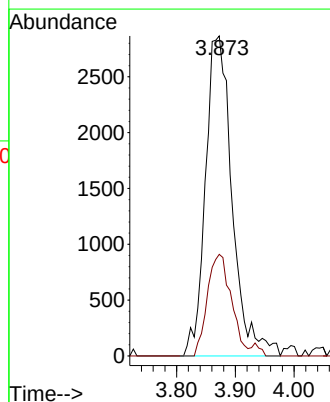
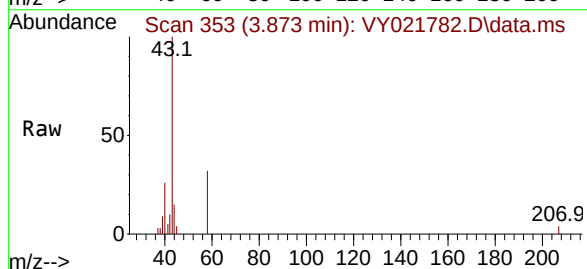
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

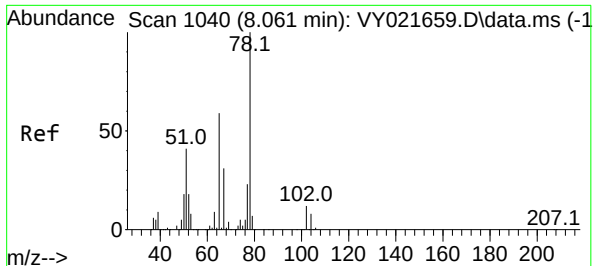
Tgt Ion:168 Resp: 302989
Ion Ratio Lower Upper
168 100
99 54.3 46.7 70.1



#16
Acetone
Concen: 13.482 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 43 Resp: 9058
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 57.739 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

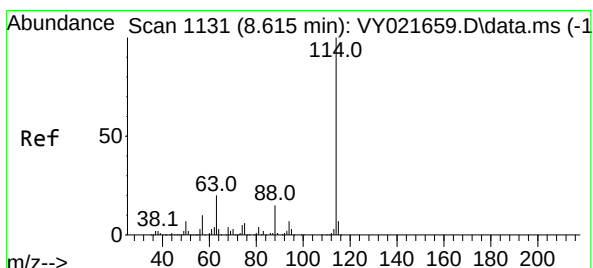
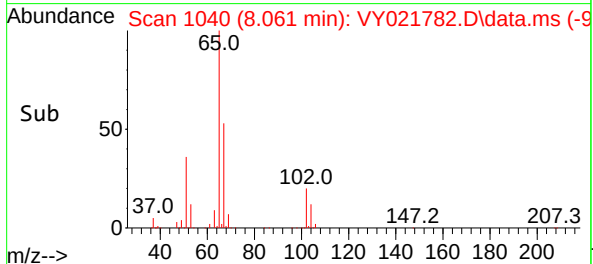
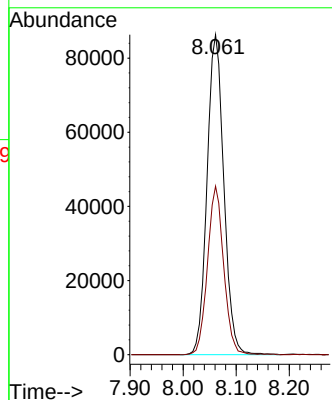
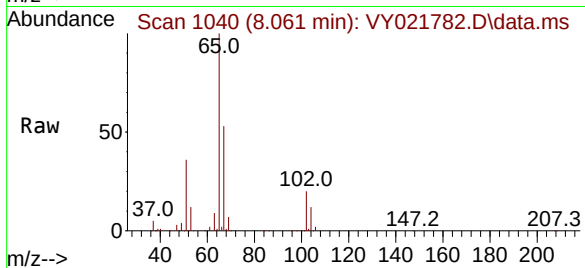
OU4-VSL-16-040325

Tgt Ion: 65 Resp: 189545

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

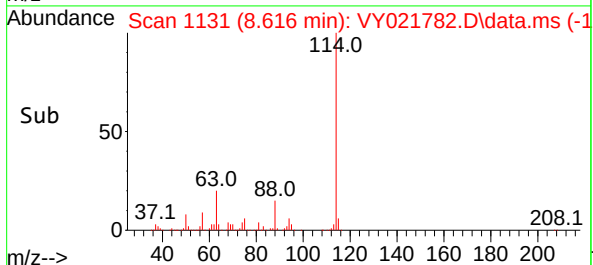
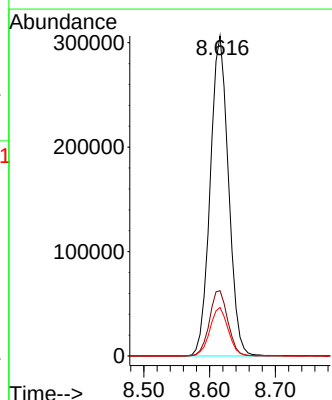
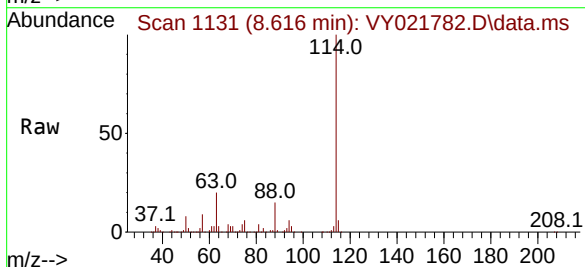
Tgt Ion: 114 Resp: 591384

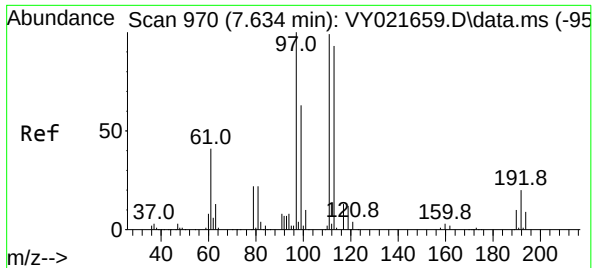
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.598 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-16-040325

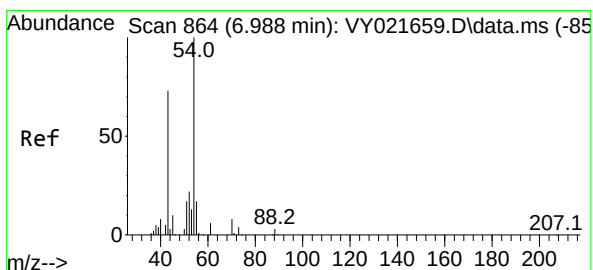
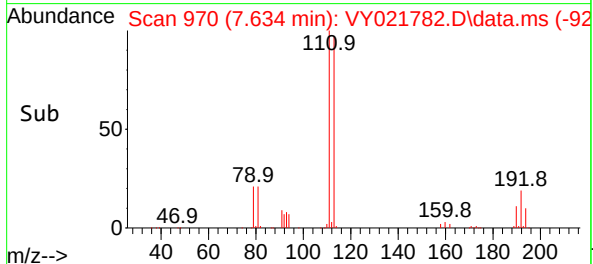
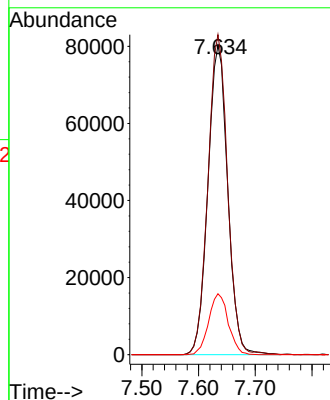
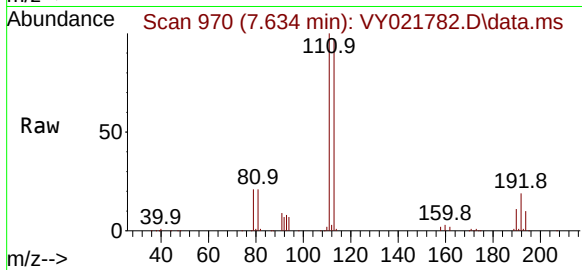
Tgt Ion:113 Resp: 194103

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 19.5 16.2 24.4



#37

Ethyl Acetate

Concen: 2.274 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.006 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

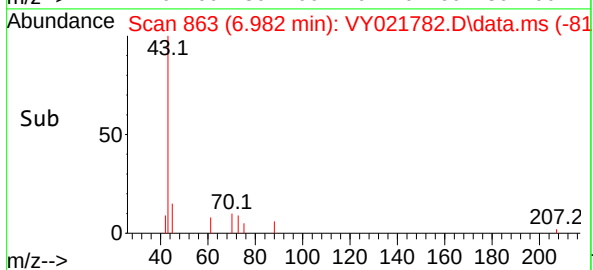
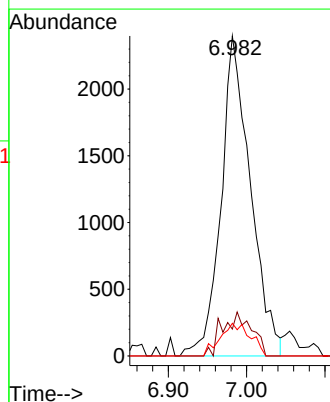
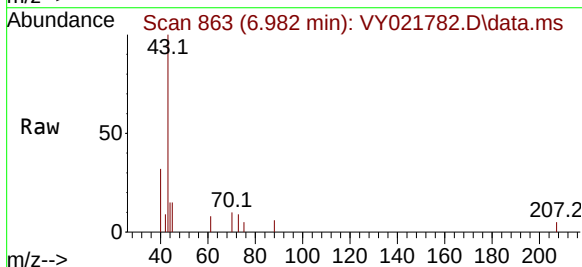
Tgt Ion: 43 Resp: 6270

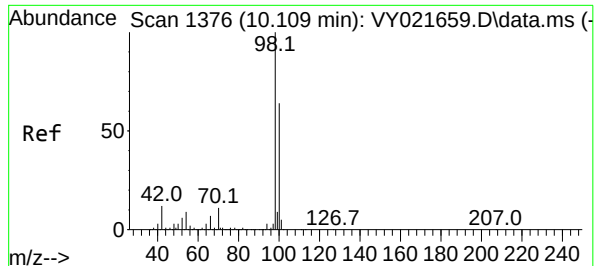
Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.6

70 10.4 8.1 12.1





#50

Toluene-d8

Concen: 49.484 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

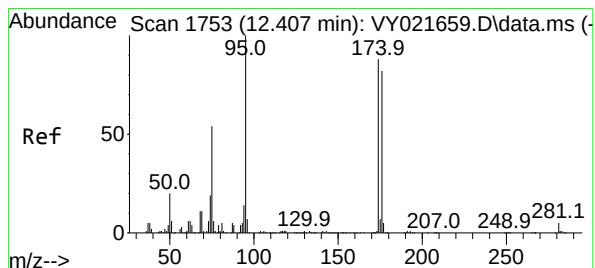
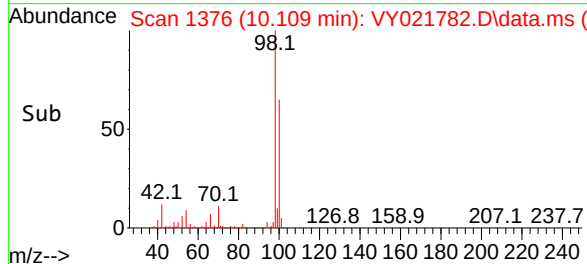
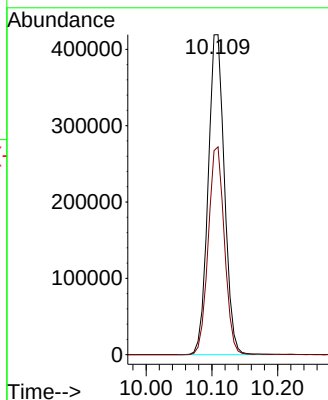
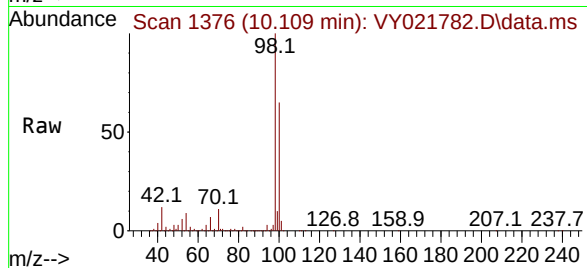
OU4-VSL-16-040325

Tgt Ion: 98 Resp: 722172

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.839 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

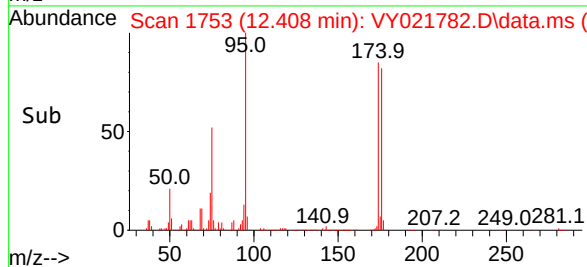
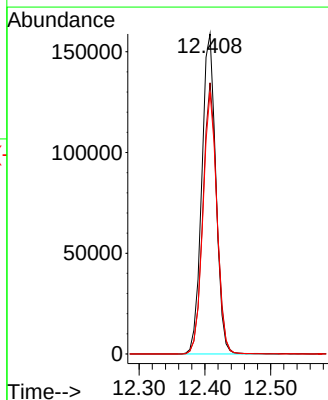
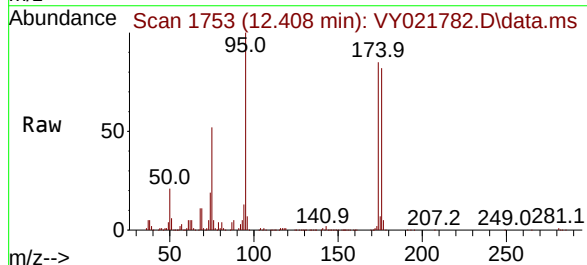
Tgt Ion: 95 Resp: 236153

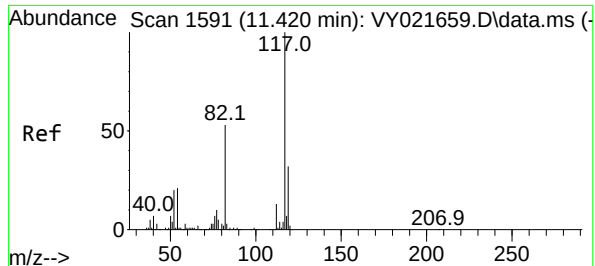
Ion Ratio Lower Upper

95 100

174 83.5 0.0 170.8

176 81.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-16-040325

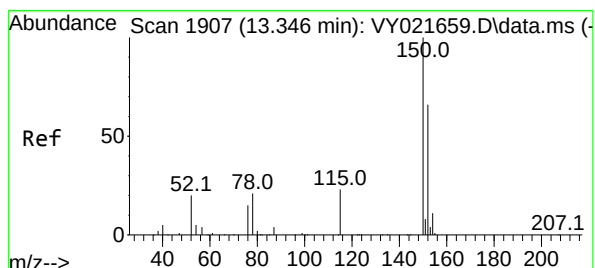
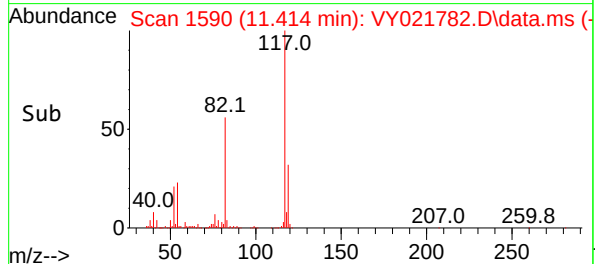
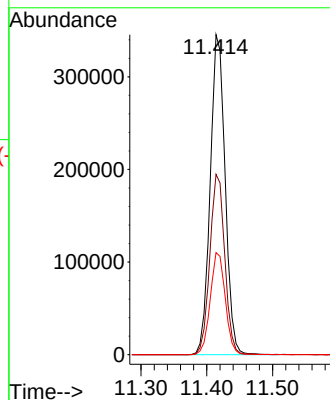
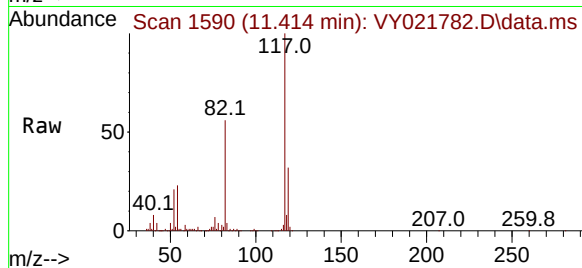
Tgt Ion:117 Resp: 546276

Ion Ratio Lower Upper

117 100

82 56.3 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

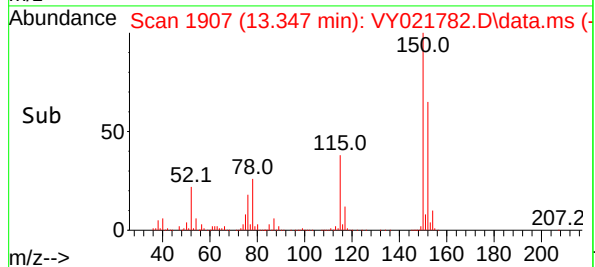
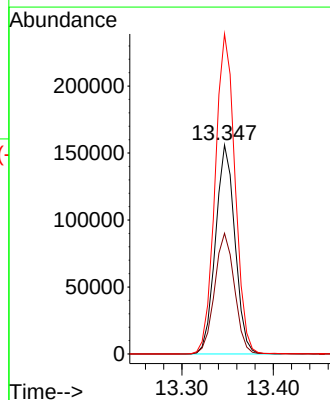
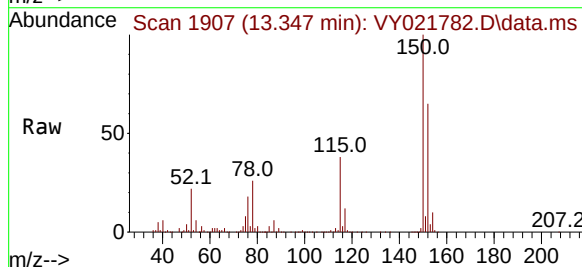
Tgt Ion:152 Resp: 230456

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 156.6 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-VSL-17-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-05		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.4	
Sample Wt/Vol:	5.7	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021783.D	1		04/04/25 14:13	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0038	U	0.0011	0.0038	0.0047	mg/Kg
74-87-3	Chloromethane	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
74-83-9	Bromomethane	0.0038	U	0.0010	0.0038	0.0047	mg/Kg
75-00-3	Chloroethane	0.0024	U	0.0012	0.0024	0.0047	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0044	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0038	U	0.0011	0.0038	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00095	0.0024	0.0047	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0047	0.012	0.024	mg/Kg
67-64-1	Acetone	0.024		0.0045	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0038	U	0.0010	0.0038	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00069	0.0024	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0076	U	0.0034	0.0076	0.0095	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00082	0.0024	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00076	0.0024	0.0047	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0062	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00092	0.0024	0.0047	mg/Kg
594-20-7	2,2-Dichloropropane	0.0038	U	0.0012	0.0038	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00071	0.0024	0.0047	mg/Kg
67-66-3	Chloroform	0.0038	U	0.00080	0.0038	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00088	0.0024	0.0047	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00083	0.0024	0.0047	mg/Kg
71-43-2	Benzene	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00077	0.0024	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00086	0.0024	0.0047	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00084	0.0024	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0034	0.012	0.024	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-17-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021783.D	1		04/04/25 14:13	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00062	0.0024	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00087	0.0024	0.0047	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00065	0.0024	0.0047	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0035	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00083	0.0024	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00084	0.0024	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00086	0.0024	0.0047	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00073	0.0024	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0047	U	0.0012	0.0047	0.0095	mg/Kg
1330-20-7	Total Xylenes	0.0071	U	0.0020	0.0071	0.014	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00078	0.0024	0.0047	mg/Kg
100-42-5	Styrene	0.0024	U	0.00067	0.0024	0.0047	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00082	0.0024	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0038	U	0.0012	0.0038	0.0047	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00069	0.0024	0.0047	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00065	0.0024	0.0047	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00078	0.0024	0.0047	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.0012	0.0024	0.0047	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.00061	0.0024	0.0047	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00063	0.0024	0.0047	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.0016	0.0024	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.0015	0.0024	0.0047	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-17-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021783.D	1		04/04/25 14:13	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.0014	0.0024	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.0014	0.0024	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0038	U	0.0017	0.0038	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0038	U	0.0028	0.0038	0.0047	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.0018	0.0024	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0038	U	0.0030	0.0038	0.0047	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.2		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		79 - 119		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	346000	7.707				
540-36-3	1,4-Difluorobenzene	659000	8.616				
3114-55-4	Chlorobenzene-d5	588000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	238000	13.346				

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\VY040425\
Data File : VY021783.D
Acq On : 04 Apr 2025 14:13
Operator : SY/MD
Sample : Q1730-05
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Quant Time: Apr 04 23:39:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

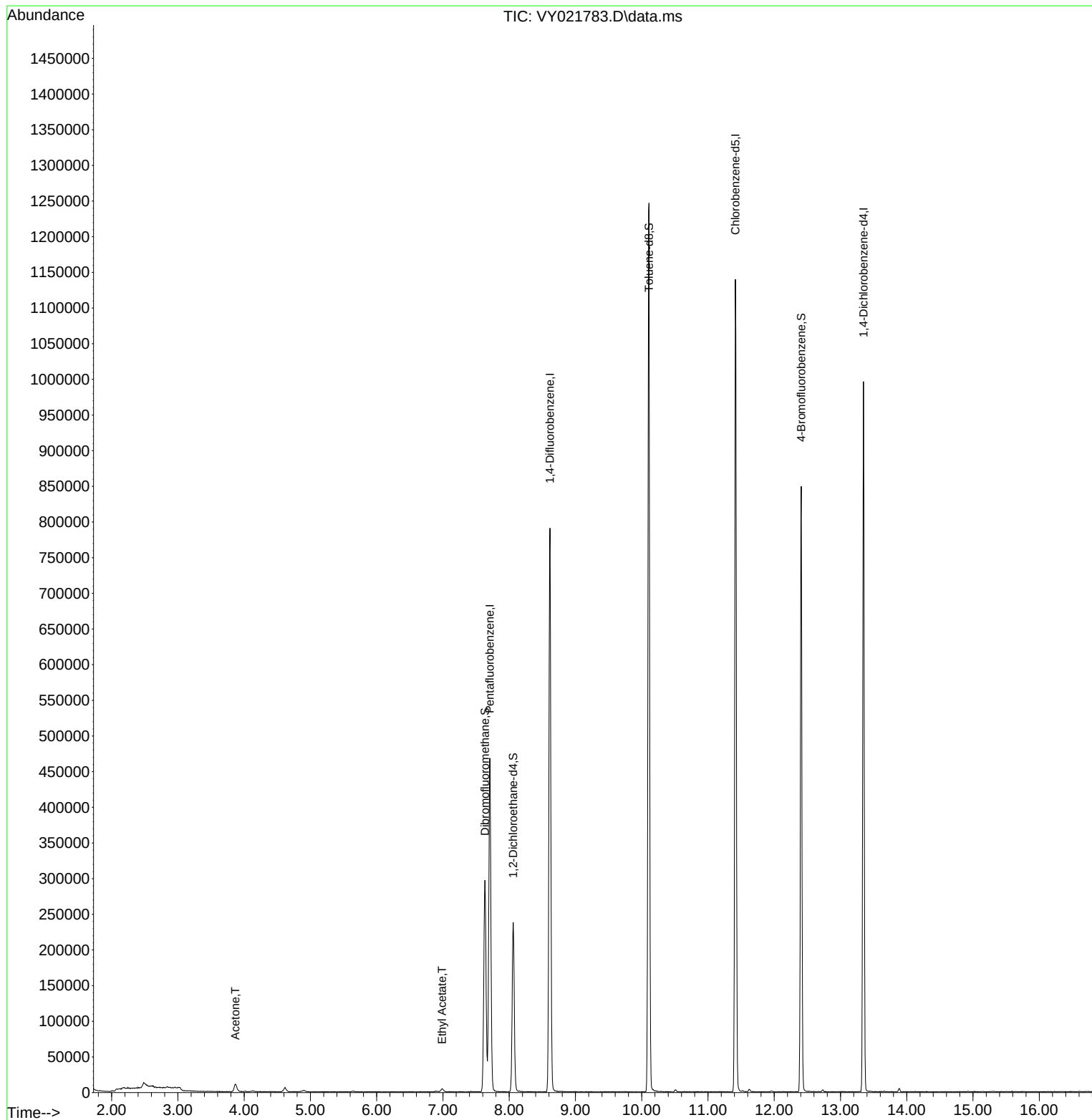
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	345582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	659294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	587921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	238203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187709	50.132	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 100.260%		
35) Dibromofluoromethane	7.634	113	207764	48.580	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 97.160%		
50) Toluene-d8	10.109	98	800849	49.223	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 98.440%		
62) 4-Bromofluorobenzene	12.408	95	249093	45.263	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 90.520%		
Target Compounds						Qvalue
16) Acetone	3.866	43	19586	25.559	ug/l	100
37) Ethyl Acetate	6.988	43	6886	2.240	ug/l	96

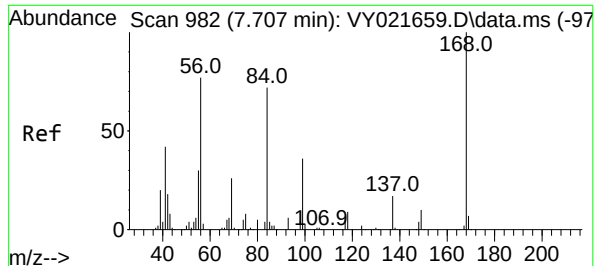
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021783.D
Acq On : 04 Apr 2025 14:13
Operator : SY/MD
Sample : Q1730-05
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Quant Time: Apr 04 23:39:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

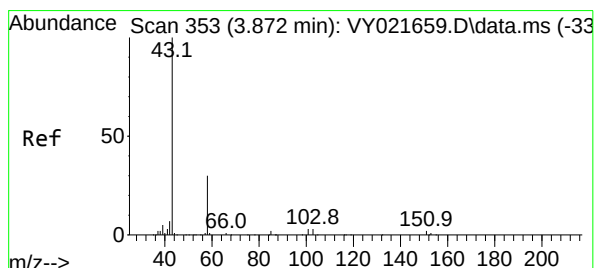
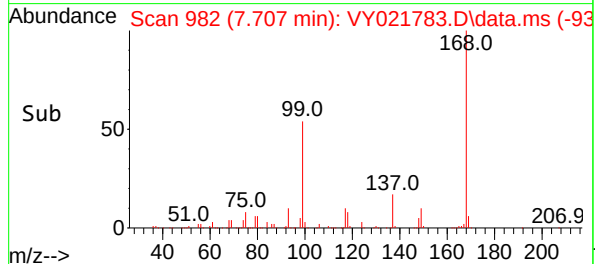
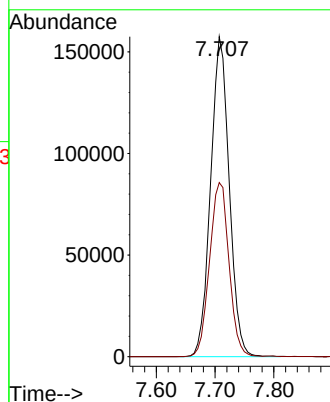
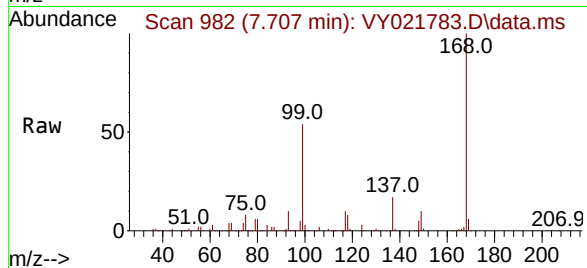




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

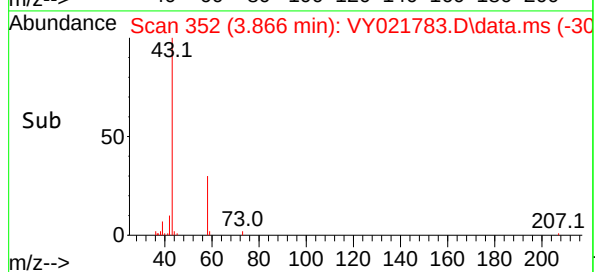
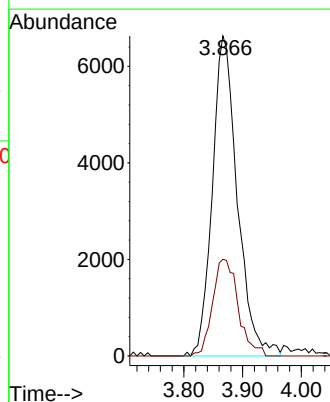
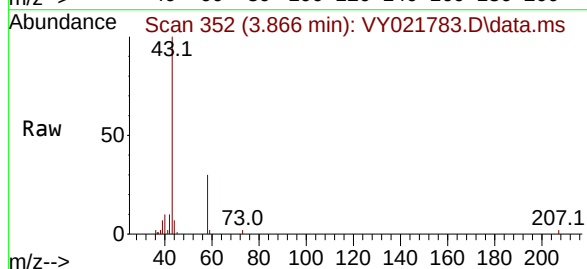
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

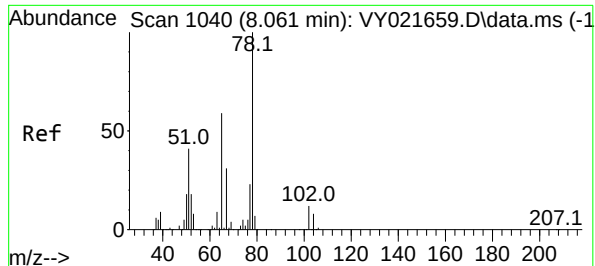
Tgt Ion:168 Resp: 345582
Ion Ratio Lower Upper
168 100
99 54.3 46.7 70.1



#16
Acetone
Concen: 25.559 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 43 Resp: 19586
Ion Ratio Lower Upper
43 100
58 30.2 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 50.132 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

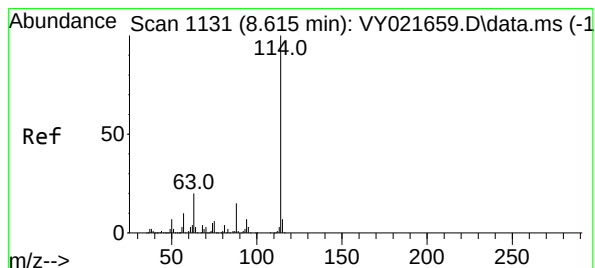
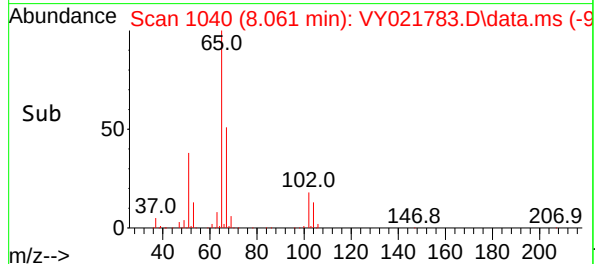
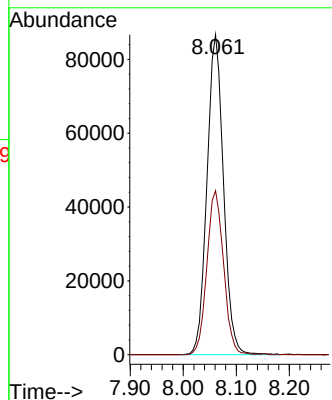
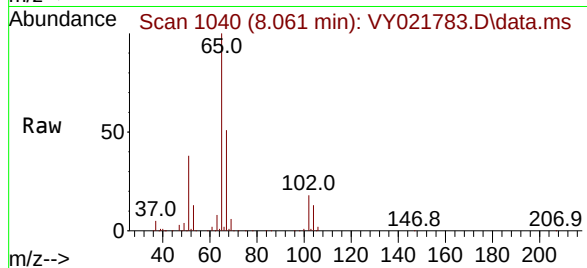
OU4-VSL-17-040325

Tgt Ion: 65 Resp: 187709

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

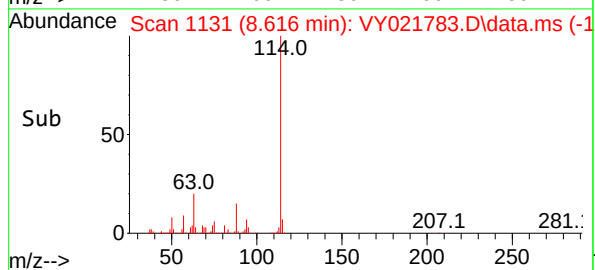
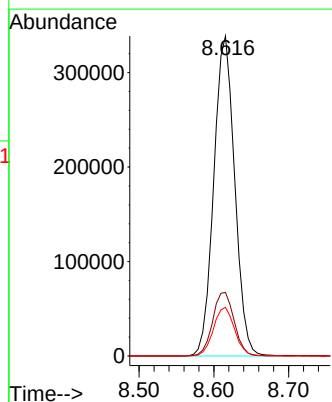
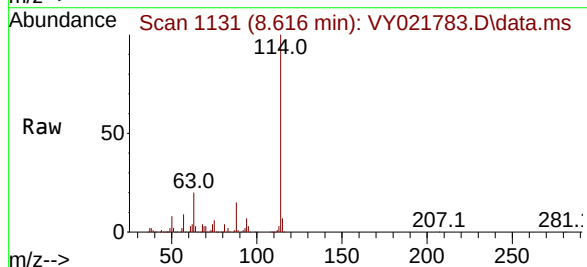
Tgt Ion: 114 Resp: 659294

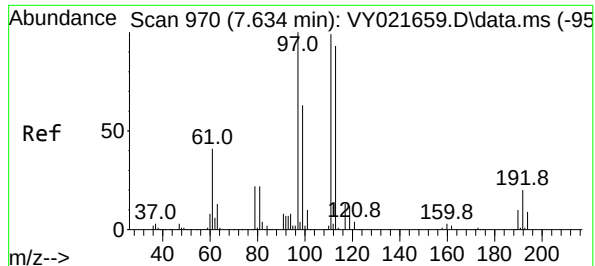
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.580 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-17-040325

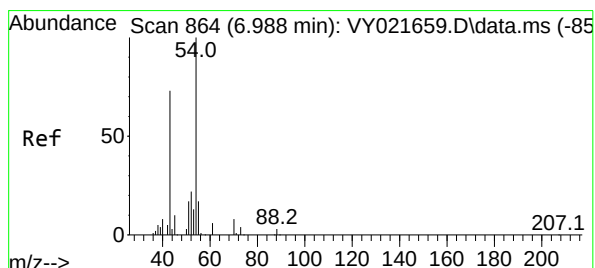
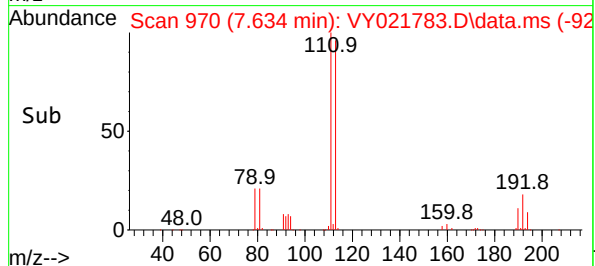
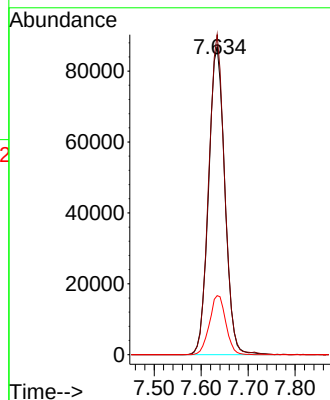
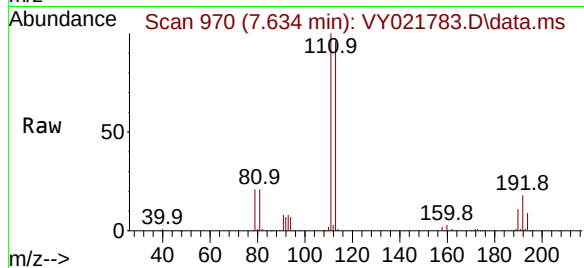
Tgt Ion:113 Resp: 207764

Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 19.3 16.2 24.4



#37

Ethyl Acetate

Concen: 2.240 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

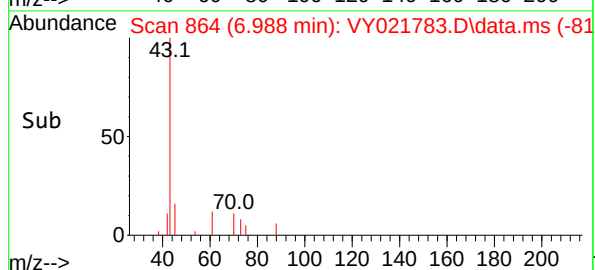
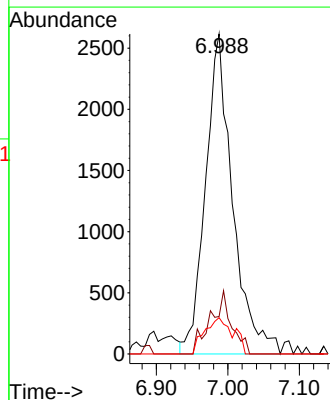
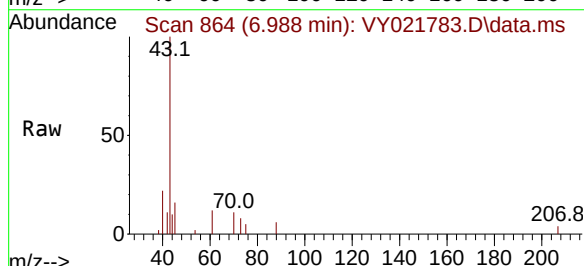
Tgt Ion: 43 Resp: 6886

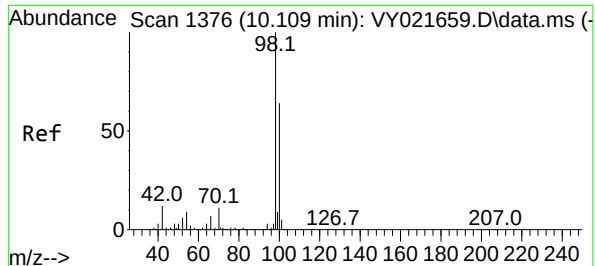
Ion Ratio Lower Upper

43 100

61 15.3 11.0 16.6

70 12.0 8.1 12.1





#50

Toluene-d8

Concen: 49.223 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

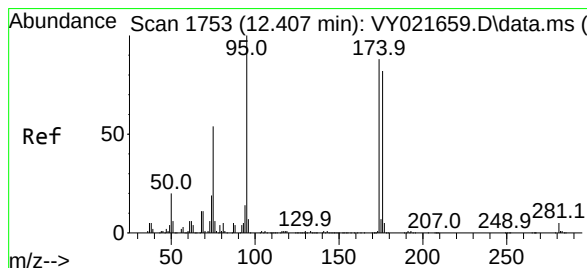
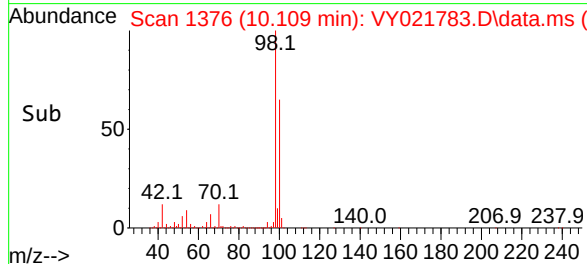
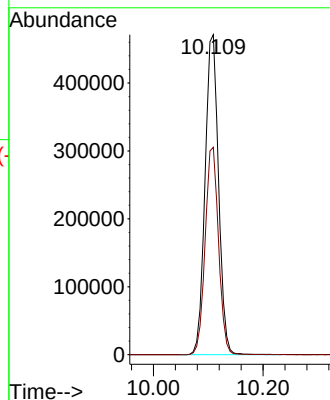
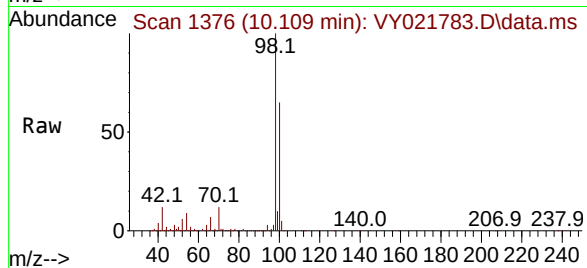
OU4-VSL-17-040325

Tgt Ion: 98 Resp: 800849

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.263 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

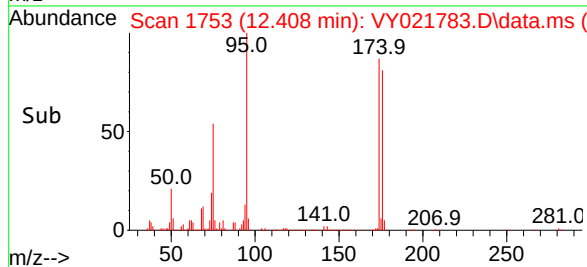
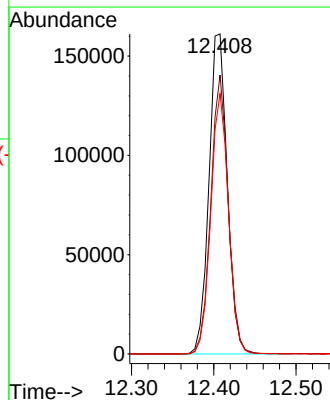
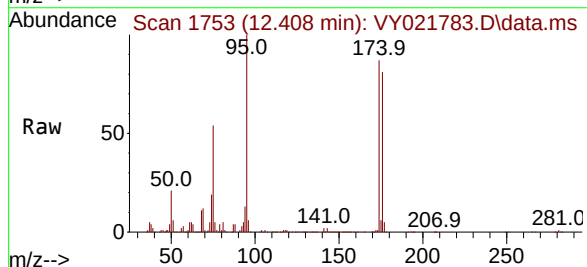
Tgt Ion: 95 Resp: 249093

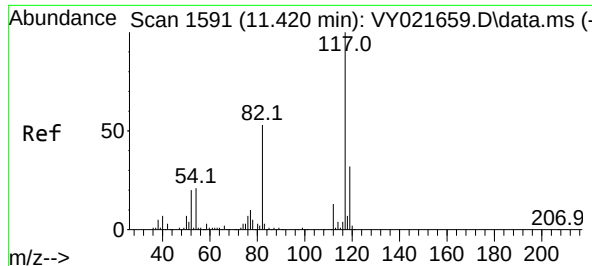
Ion Ratio Lower Upper

95 100

174 83.1 0.0 170.8

176 78.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-17-040325

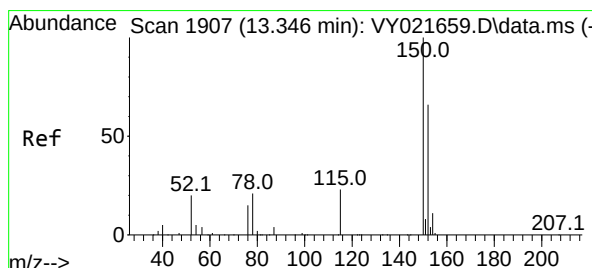
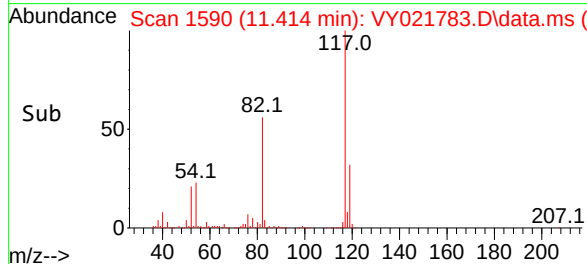
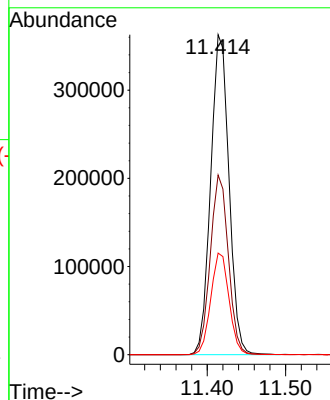
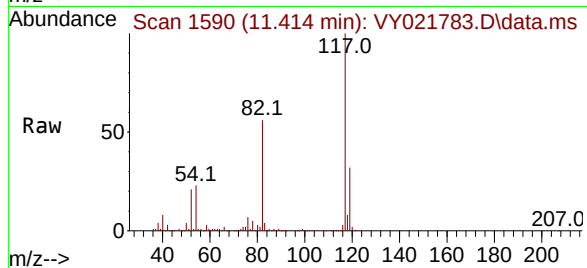
Tgt Ion:117 Resp: 587921

Ion Ratio Lower Upper

117 100

82 56.1 42.8 64.2

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

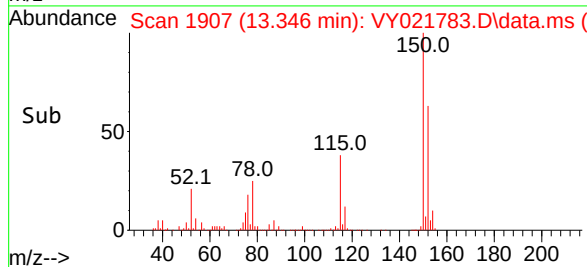
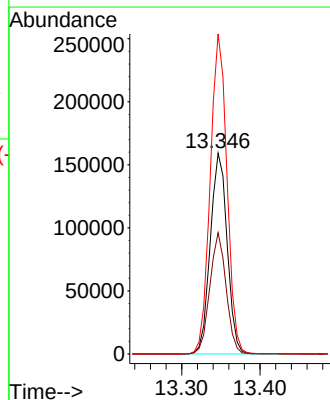
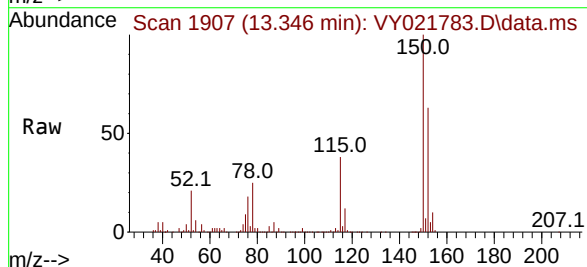
Tgt Ion:152 Resp: 238203

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 158.1 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-21-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-07		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89	
Sample Wt/Vol:	5.52	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021784.D	1		04/04/25 14:37	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
74-83-9	Bromomethane	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0051	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0048	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0051	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0051	0.013	0.025	mg/Kg
67-64-1	Acetone	0.021	J	0.0048	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.0081	U	0.0036	0.0081	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00081	0.0025	0.0051	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0067	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00099	0.0025	0.0051	mg/Kg
594-20-7	2,2-Dichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00076	0.0025	0.0051	mg/Kg
67-66-3	Chloroform	0.0041	U	0.00085	0.0041	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00095	0.0025	0.0051	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00089	0.0025	0.0051	mg/Kg
71-43-2	Benzene	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00082	0.0025	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00093	0.0025	0.0051	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00091	0.0025	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-21-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-07		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	89	
Sample Wt/Vol:	5.52	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021784.D	1		04/04/25 14:37	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00066	0.0025	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00094	0.0025	0.0051	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0038	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00089	0.0025	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00090	0.0025	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00093	0.0025	0.0051	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00078	0.0025	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0051	U	0.0013	0.0051	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0076	U	0.0021	0.0076	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
100-42-5	Styrene	0.0025	U	0.00072	0.0025	0.0051	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00065	0.0025	0.0051	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0051	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0051	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-21-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021784.D	1		04/04/25 14:37	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0041	U	0.0019	0.0041	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0041	U	0.0030	0.0041	0.0051	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0041	U	0.0032	0.0041	0.0051	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.9		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.9		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	300000	7.707				
540-36-3	1,4-Difluorobenzene	589000	8.616				
3114-55-4	Chlorobenzene-d5	559000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.346				

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\VY040425\
Data File : VY021784.D
Acq On : 04 Apr 2025 14:37
Operator : SY/MD
Sample : Q1730-07
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Quant Time: Apr 04 23:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

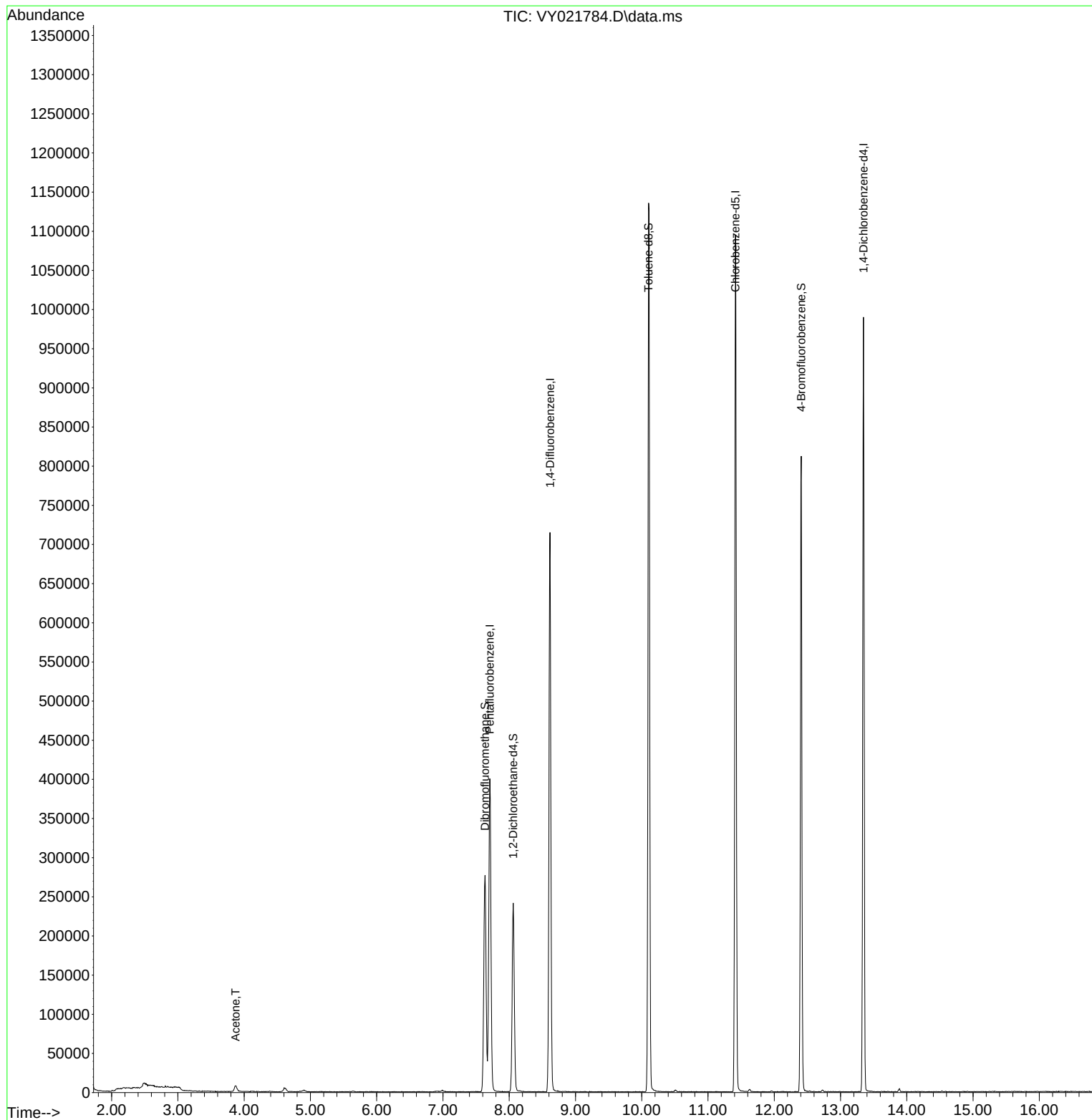
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	589442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	558862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191441	58.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.800%
35) Dibromofluoromethane	7.634	113	197606	51.680	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.360%
50) Toluene-d8	10.103	98	726513	49.945	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.900%
62) 4-Bromofluorobenzene	12.408	95	241379	49.059	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.120%
Target Compounds						
16) Acetone	3.873	43	13804	20.751	ug/l	Qvalue 94

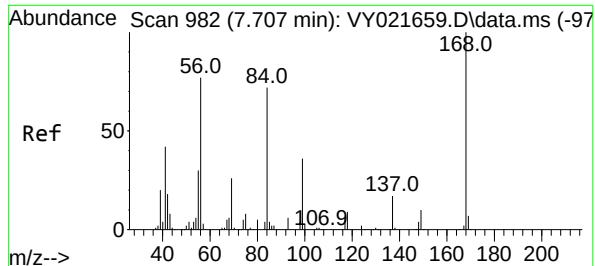
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021784.D
Acq On : 04 Apr 2025 14:37
Operator : SY/MD
Sample : Q1730-07
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Quant Time: Apr 04 23:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

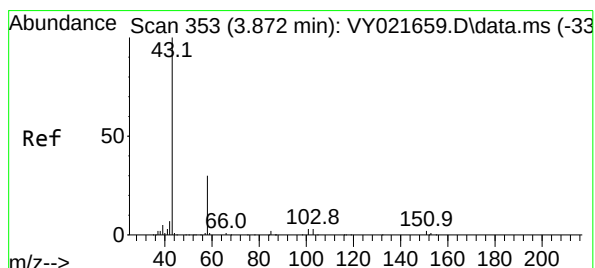
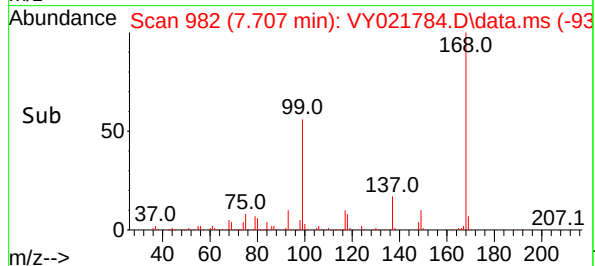
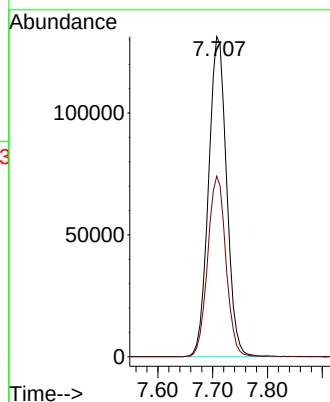
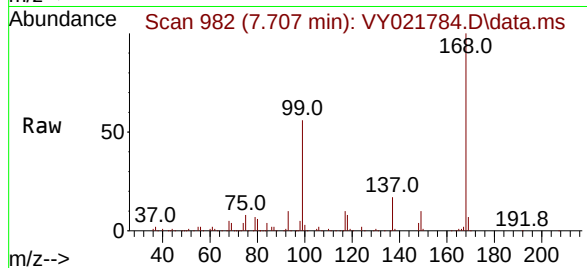




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

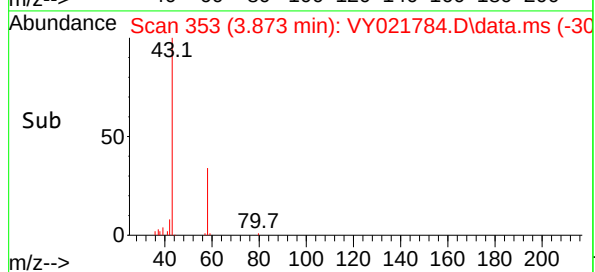
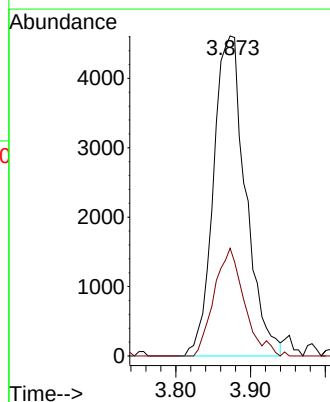
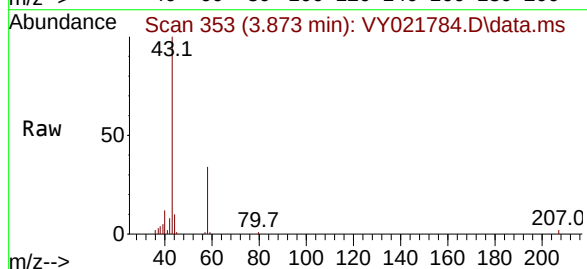
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

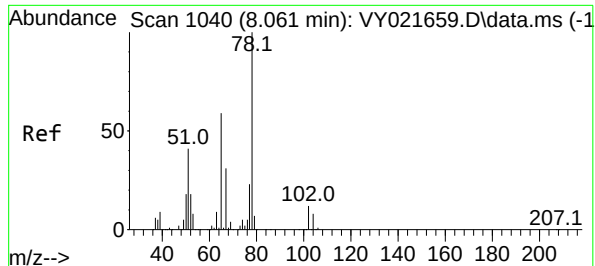
Tgt Ion:168 Resp: 300002
Ion Ratio Lower Upper
168 100
99 56.4 46.7 70.1



#16
Acetone
Concen: 20.751 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 43 Resp: 13804
Ion Ratio Lower Upper
43 100
58 33.7 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 58.897 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

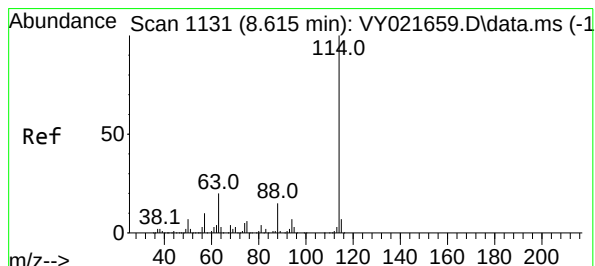
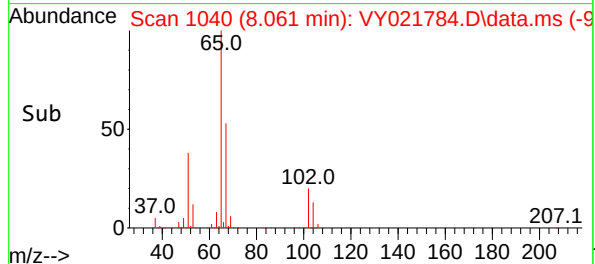
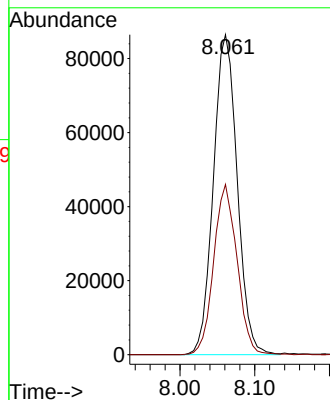
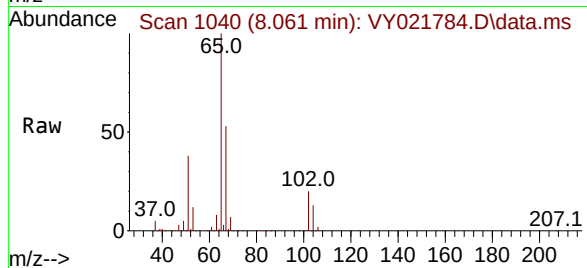
OU4-PCS-TC-21-040325

Tgt Ion: 65 Resp: 191441

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

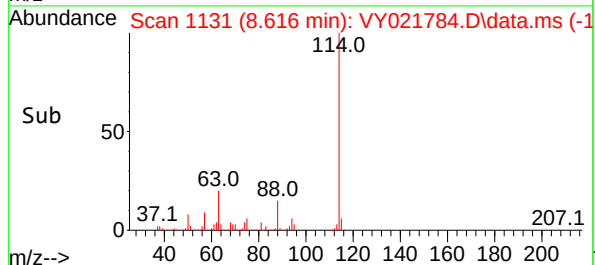
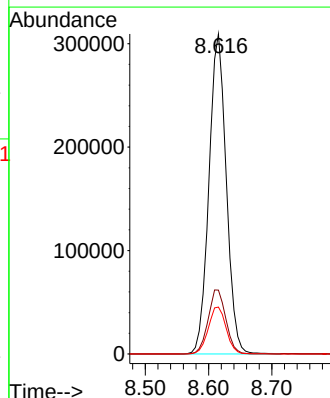
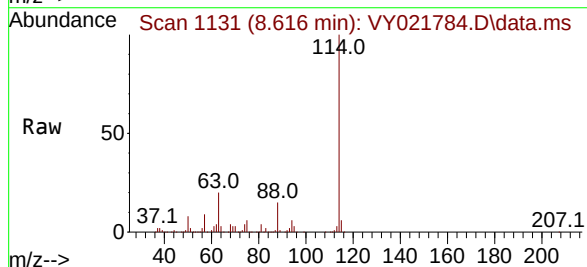
Tgt Ion: 114 Resp: 589442

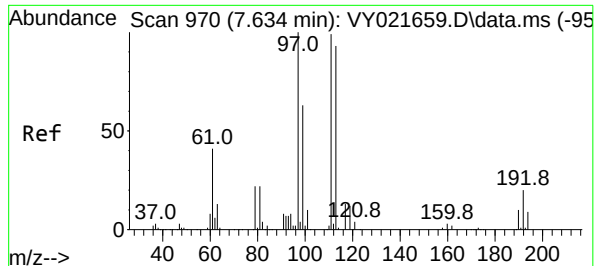
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 14.6 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.680 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021784.D

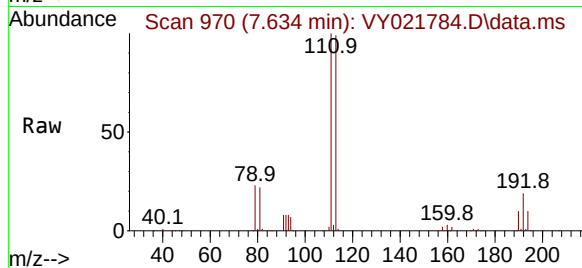
Acq: 04 Apr 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-21-040325



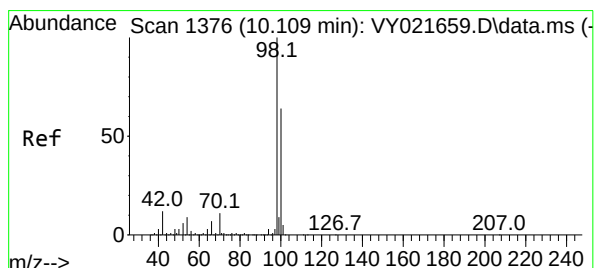
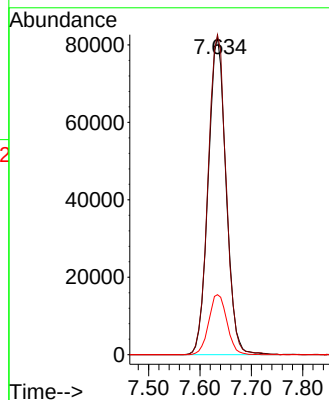
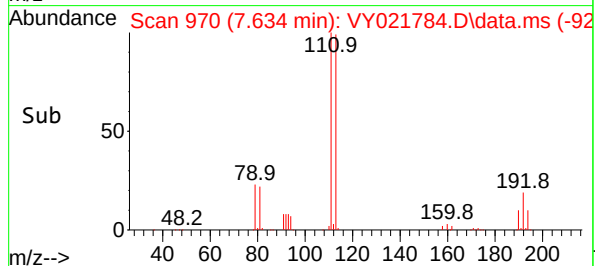
Tgt Ion:113 Resp: 197606

Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 19.3 16.2 24.4



#50

Toluene-d8

Concen: 49.945 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021784.D

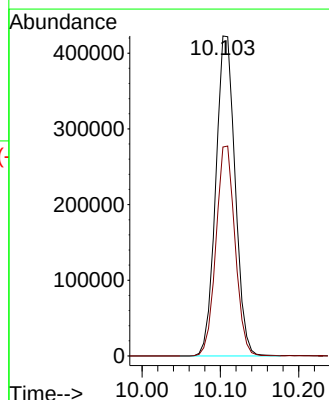
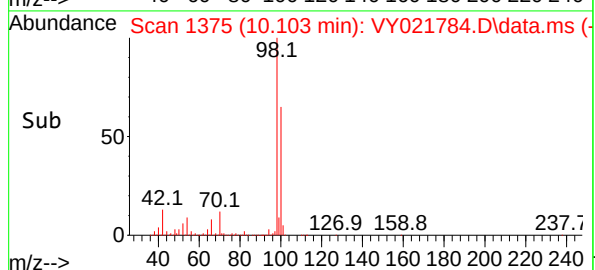
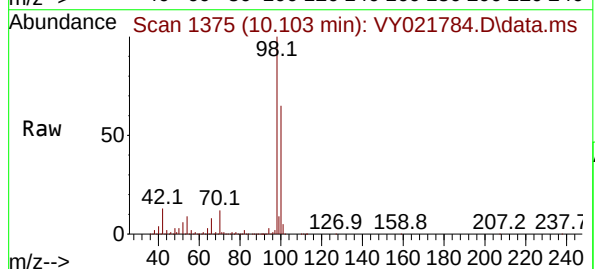
Acq: 04 Apr 2025 14:37

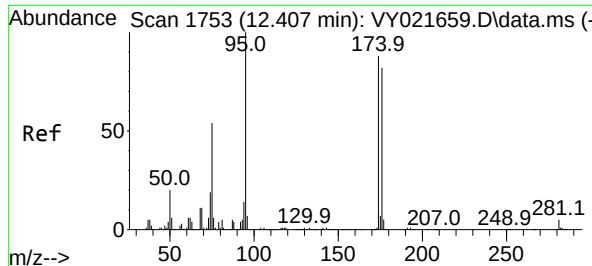
Tgt Ion: 98 Resp: 726513

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 49.059 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-21-040325

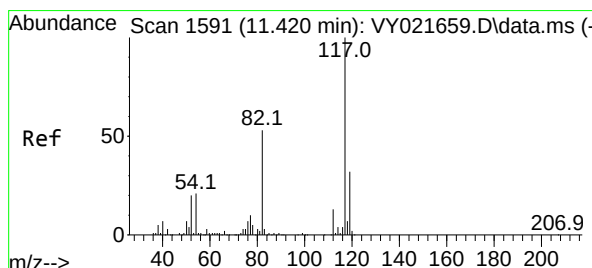
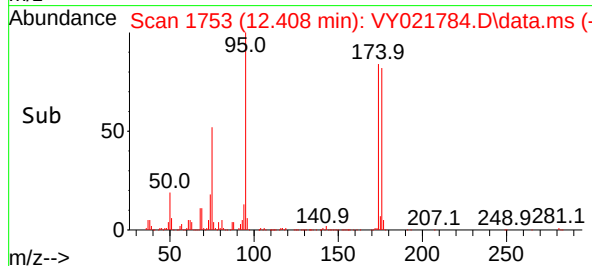
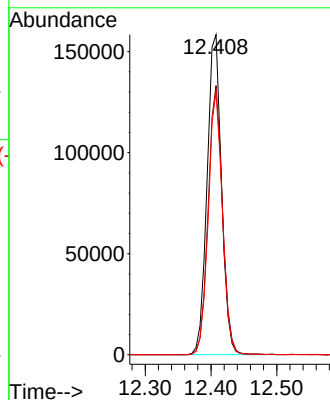
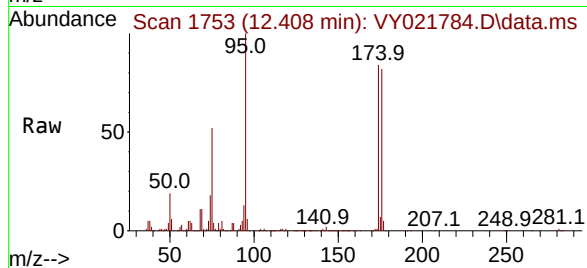
Tgt Ion: 95 Resp: 241379

Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.8

176 80.6 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

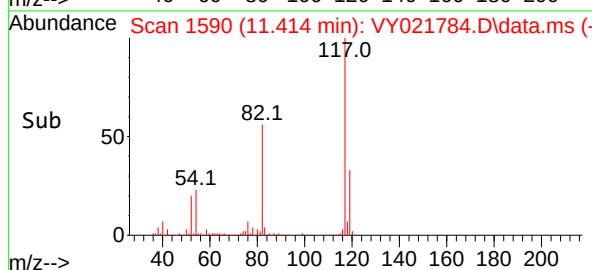
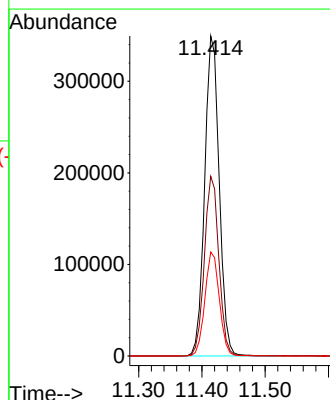
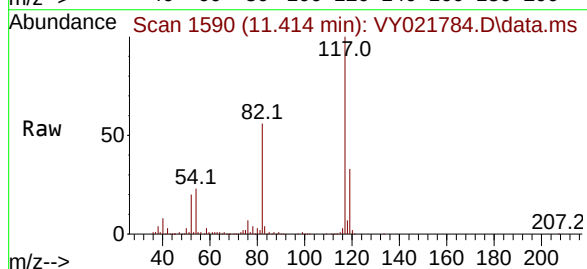
Tgt Ion: 117 Resp: 558862

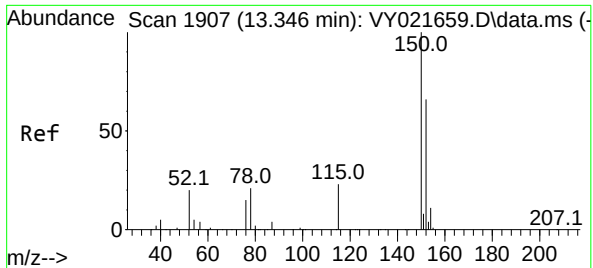
Ion Ratio Lower Upper

117 100

82 56.2 42.8 64.2

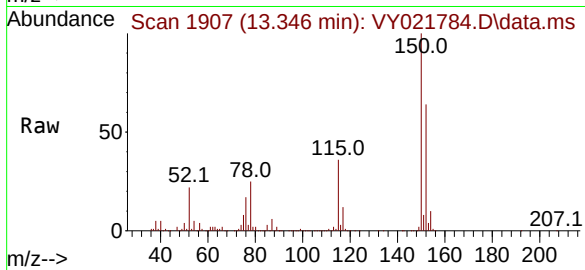
119 32.5 25.7 38.5



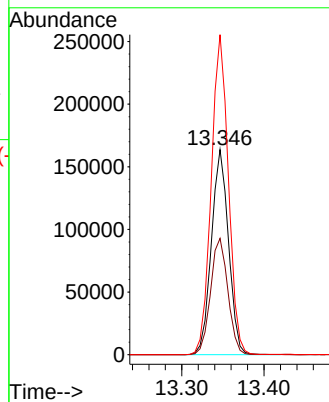
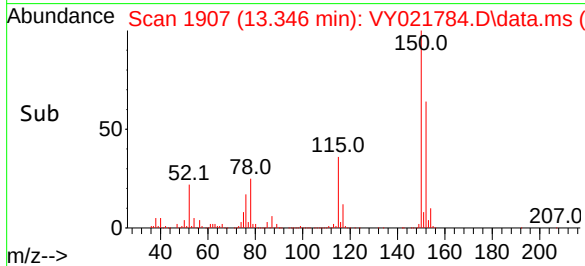


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325



Tgt Ion:152 Resp: 236951
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.5
150 156.0 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-22-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-09		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	90.8	
Sample Wt/Vol:	6.58	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021785.D	1		04/04/25 15:00	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0033	U	0.00095	0.0033	0.0042	mg/Kg
74-87-3	Chloromethane	0.0021	U	0.00095	0.0021	0.0042	mg/Kg
75-01-4	Vinyl Chloride	0.0021	U	0.00066	0.0021	0.0042	mg/Kg
74-83-9	Bromomethane	0.0033	U	0.00090	0.0033	0.0042	mg/Kg
75-00-3	Chloroethane	0.0021	U	0.0011	0.0021	0.0042	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0039	0.011	0.021	mg/Kg
75-69-4	Trichlorofluoromethane	0.0033	U	0.0010	0.0033	0.0042	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0021	U	0.00089	0.0021	0.0042	mg/Kg
75-35-4	1,1-Dichloroethene	0.0021	U	0.00084	0.0021	0.0042	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0042	0.011	0.021	mg/Kg
67-64-1	Acetone	0.017	U	0.0040	0.017	0.021	mg/Kg
75-15-0	Carbon Disulfide	0.0033	U	0.00089	0.0033	0.0042	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0021	U	0.00061	0.0021	0.0042	mg/Kg
75-09-2	Methylene Chloride	0.0067	U	0.0030	0.0067	0.0084	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0021	U	0.00072	0.0021	0.0042	mg/Kg
75-34-3	1,1-Dichloroethane	0.0021	U	0.00067	0.0021	0.0042	mg/Kg
78-93-3	2-Butanone	0.017	U	0.0055	0.017	0.021	mg/Kg
56-23-5	Carbon Tetrachloride	0.0021	U	0.00081	0.0021	0.0042	mg/Kg
594-20-7	2,2-Dichloropropane	0.0033	U	0.0011	0.0033	0.0042	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0021	U	0.00063	0.0021	0.0042	mg/Kg
67-66-3	Chloroform	0.0033	U	0.00070	0.0033	0.0042	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0021	U	0.00078	0.0021	0.0042	mg/Kg
563-58-6	1,1-Dichloropropene	0.0021	U	0.00073	0.0021	0.0042	mg/Kg
71-43-2	Benzene	0.0021	U	0.00066	0.0021	0.0042	mg/Kg
107-06-2	1,2-Dichloroethane	0.0021	U	0.00066	0.0021	0.0042	mg/Kg
79-01-6	Trichloroethene	0.0021	U	0.00068	0.0021	0.0042	mg/Kg
78-87-5	1,2-Dichloropropane	0.0021	U	0.00076	0.0021	0.0042	mg/Kg
74-95-3	Dibromomethane	0.0021	U	0.00074	0.0021	0.0042	mg/Kg
75-27-4	Bromodichloromethane	0.0021	U	0.00065	0.0021	0.0042	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0030	0.011	0.021	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-22-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	6.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021785.D	1		04/04/25 15:00	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0021	U	0.00065	0.0021	0.0042	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0021	U	0.00054	0.0021	0.0042	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0021	U	0.00052	0.0021	0.0042	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0021	U	0.00077	0.0021	0.0042	mg/Kg
142-28-9	1,3-Dichloropropane	0.0021	U	0.00057	0.0021	0.0042	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0031	0.011	0.021	mg/Kg
124-48-1	Dibromochloromethane	0.0021	U	0.00073	0.0021	0.0042	mg/Kg
106-93-4	1,2-Dibromoethane	0.0021	U	0.00074	0.0021	0.0042	mg/Kg
127-18-4	Tetrachloroethene	0.0021	U	0.00088	0.0021	0.0042	mg/Kg
108-90-7	Chlorobenzene	0.0021	U	0.00076	0.0021	0.0042	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0021	U	0.00064	0.0021	0.0042	mg/Kg
100-41-4	Ethyl Benzene	0.0021	U	0.00056	0.0021	0.0042	mg/Kg
179601-23-1	m/p-Xylenes	0.0042	U	0.0010	0.0042	0.0084	mg/Kg
1330-20-7	Total Xylenes	0.0063	U	0.0017	0.0063	0.013	mg/Kg
95-47-6	o-Xylene	0.0021	U	0.00069	0.0021	0.0042	mg/Kg
100-42-5	Styrene	0.0021	U	0.00059	0.0021	0.0042	mg/Kg
75-25-2	Bromoform	0.0021	U	0.00072	0.0021	0.0042	mg/Kg
98-82-8	Isopropylbenzene	0.0021	U	0.00065	0.0021	0.0042	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	0.0010	0.0021	0.0042	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0033	U	0.0010	0.0033	0.0042	mg/Kg
108-86-1	Bromobenzene	0.0021	U	0.0010	0.0021	0.0042	mg/Kg
103-65-1	n-propylbenzene	0.0021	U	0.00061	0.0021	0.0042	mg/Kg
95-49-8	2-Chlorotoluene	0.0021	U	0.00057	0.0021	0.0042	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0021	U	0.00069	0.0021	0.0042	mg/Kg
106-43-4	4-Chlorotoluene	0.0021	U	0.0010	0.0021	0.0042	mg/Kg
98-06-6	tert-Butylbenzene	0.0021	U	0.00056	0.0021	0.0042	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0021	U	0.00054	0.0021	0.0042	mg/Kg
135-98-8	sec-Butylbenzene	0.0021	U	0.00055	0.0021	0.0042	mg/Kg
99-87-6	p-Isopropyltoluene	0.0021	U	0.00052	0.0021	0.0042	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0021	U	0.0014	0.0021	0.0042	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0021	U	0.0013	0.0021	0.0042	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-22-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	6.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021785.D	1		04/04/25 15:00	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0021	U	0.0012	0.0021	0.0042	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0021	U	0.0012	0.0021	0.0042	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0033	U	0.0015	0.0033	0.0042	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0033	U	0.0025	0.0033	0.0042	mg/Kg
87-68-3	Hexachlorobutadiene	0.0021	U	0.0016	0.0021	0.0042	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0033	U	0.0027	0.0033	0.0042	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0021	U	0.00089	0.0021	0.0042	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.5		71 - 136		117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	302000	7.707				
540-36-3	1,4-Difluorobenzene	597000	8.616				
3114-55-4	Chlorobenzene-d5	562000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.347				

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\VY040425\
Data File : VY021785.D
Acq On : 04 Apr 2025 15:00
Operator : SY/MD
Sample : Q1730-09
Misc : 6.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Quant Time: Apr 04 23:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

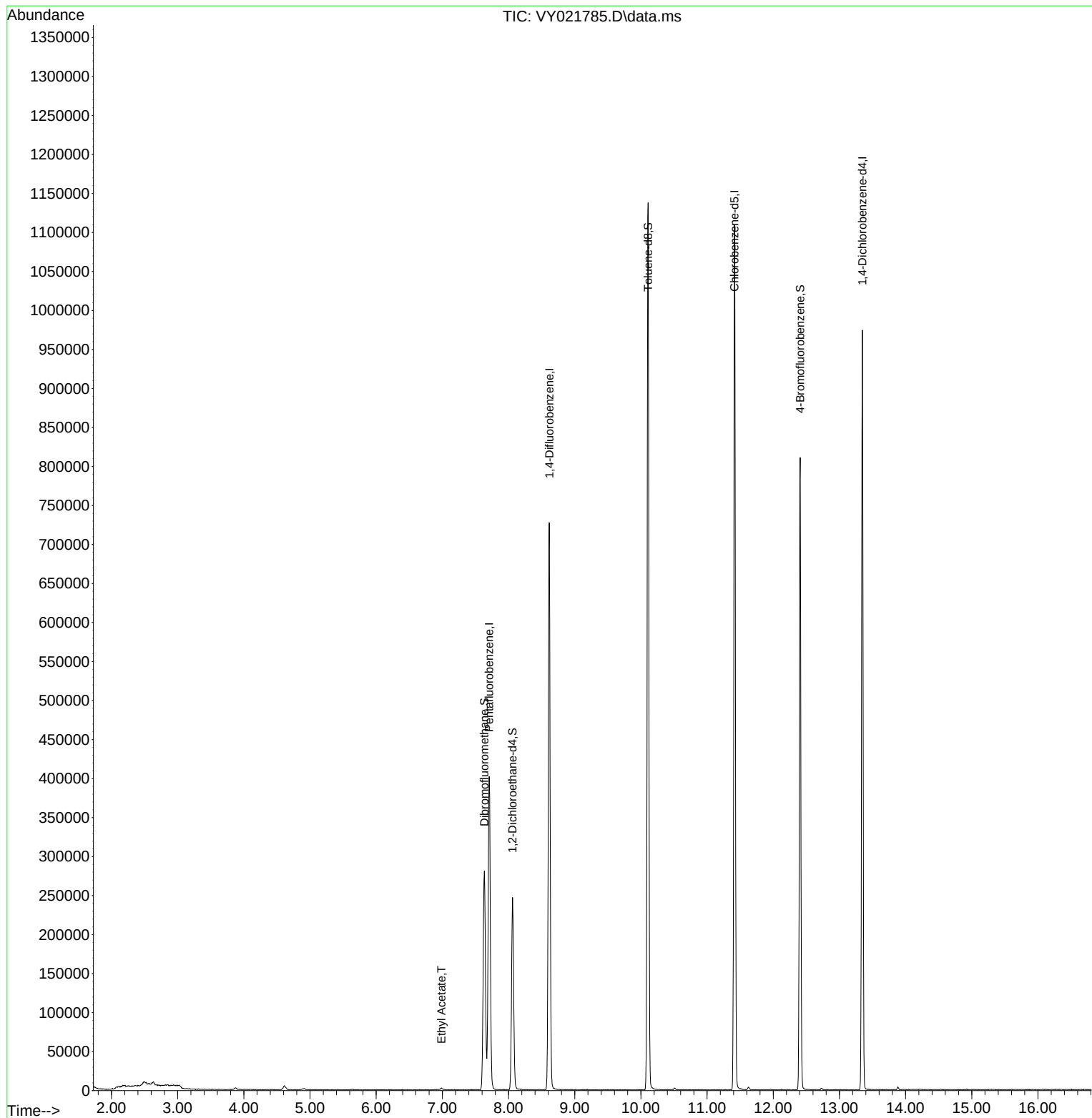
Internal Standards						
1) Pentafluorobenzene	7.707	168	302418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	596930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	561519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	235341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191837	58.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.100%
35) Dibromofluoromethane	7.634	113	198061	51.150	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.300%
50) Toluene-d8	10.109	98	739915	50.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.460%
62) 4-Bromofluorobenzene	12.408	95	244095	48.988	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.980%
Target Compounds						
37) Ethyl Acetate	6.988	43	3484	1.252	ug/l	Qvalue # 93

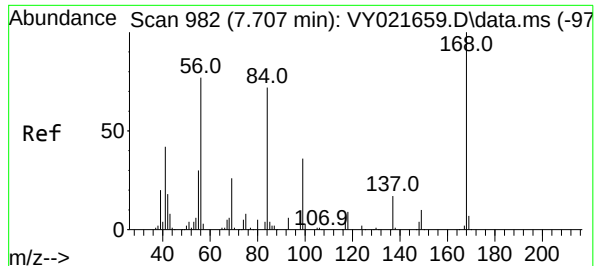
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021785.D
Acq On : 04 Apr 2025 15:00
Operator : SY/MD
Sample : Q1730-09
Misc : 6.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Quant Time: Apr 04 23:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

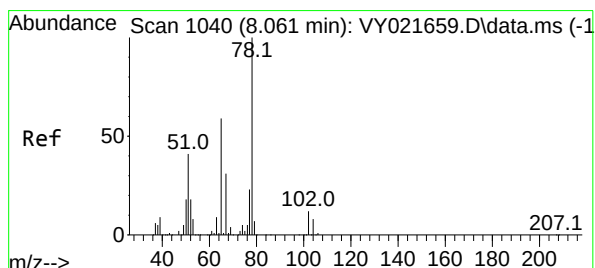
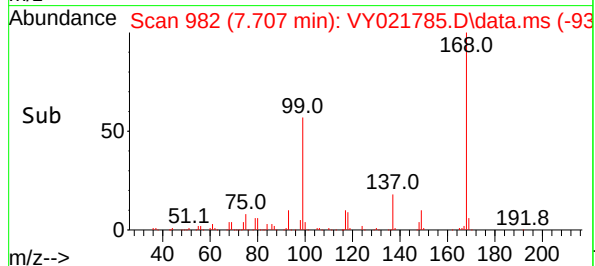
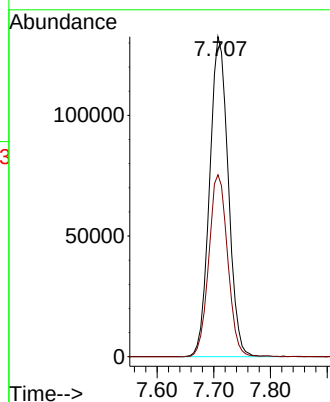
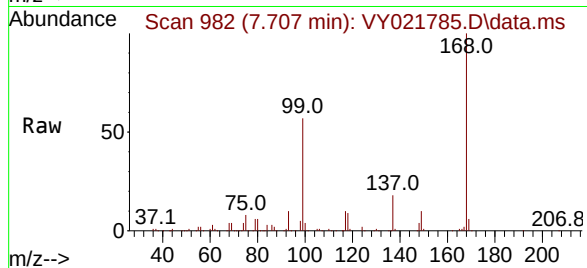




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

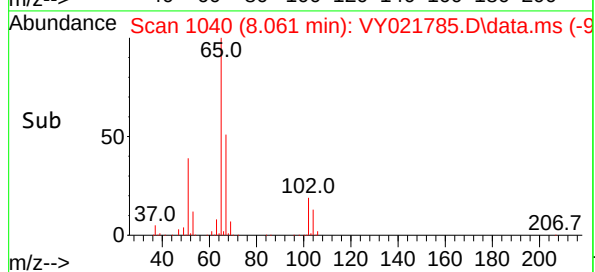
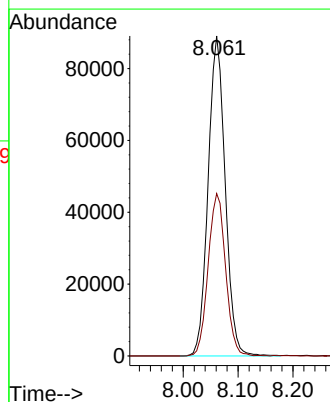
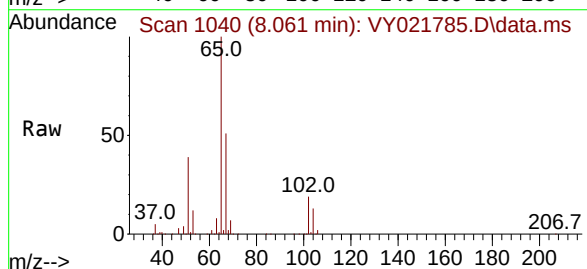
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

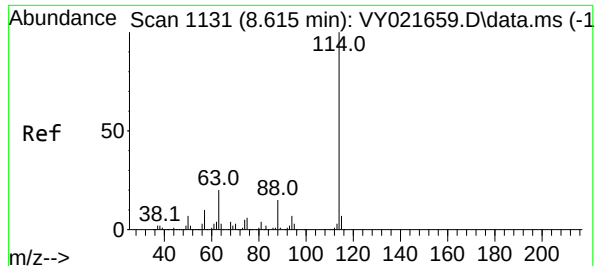
Tgt Ion:168 Resp: 302418
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 58.547 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Tgt Ion: 65 Resp: 191837
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021785.D

Acq: 04 Apr 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-22-040325

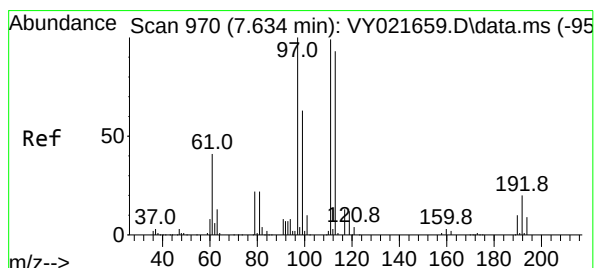
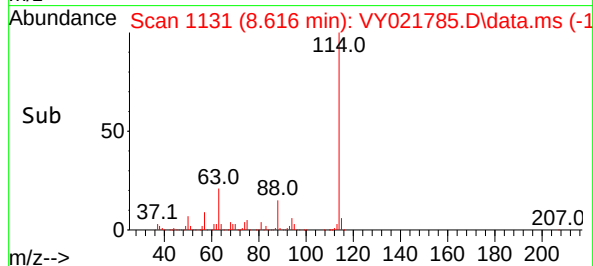
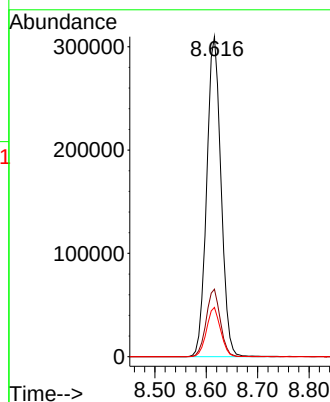
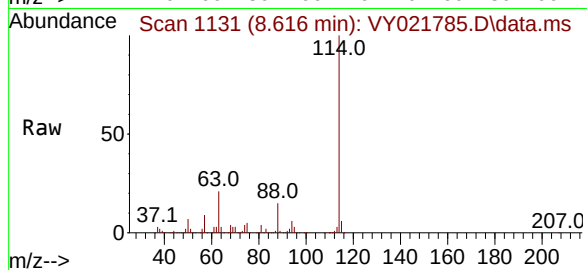
Tgt Ion:114 Resp: 596930

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.150 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021785.D

Acq: 04 Apr 2025 15:00

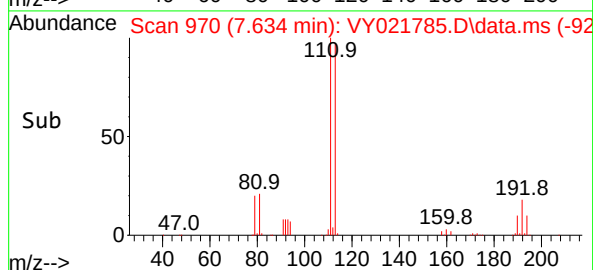
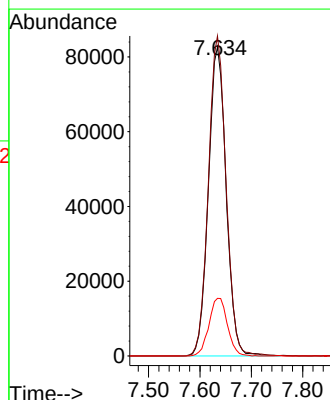
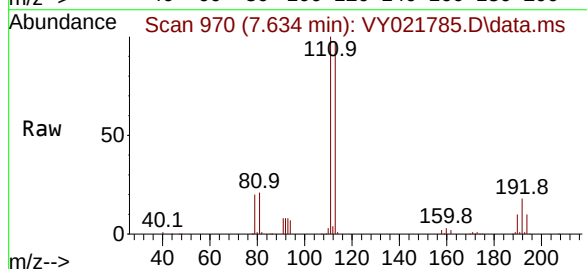
Tgt Ion:113 Resp: 198061

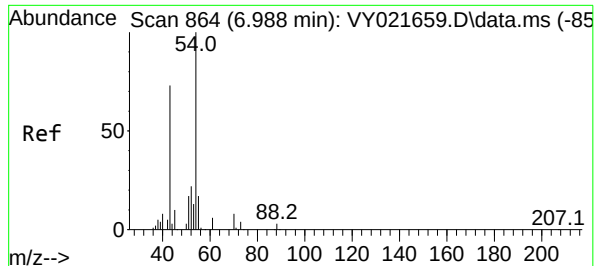
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 19.5 16.2 24.4





#37

Ethyl Acetate

Concen: 1.252 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021785.D

Acq: 04 Apr 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-22-040325

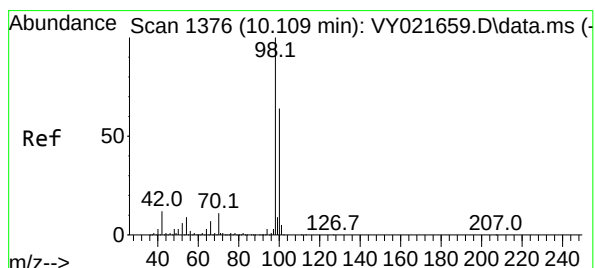
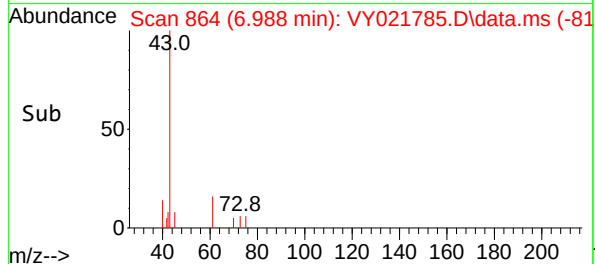
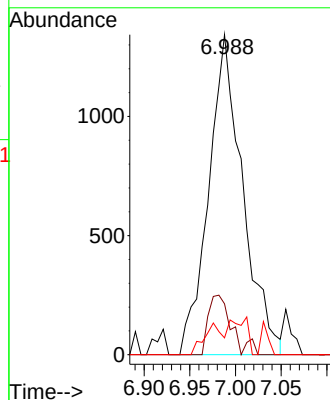
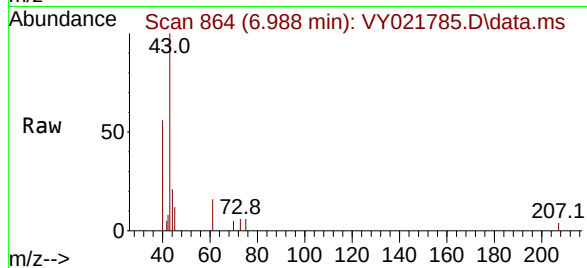
Tgt Ion: 43 Resp: 3484

Ion Ratio Lower Upper

43 100

61 12.7 11.0 16.6

70 5.3 8.1 12.1#



#50

Toluene-d8

Concen: 50.229 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021785.D

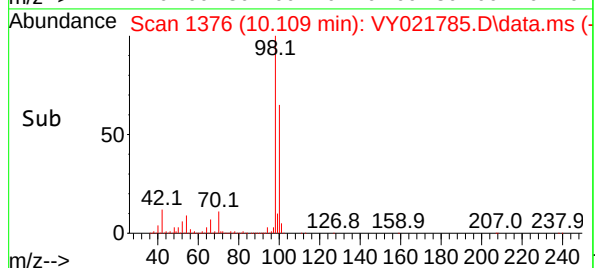
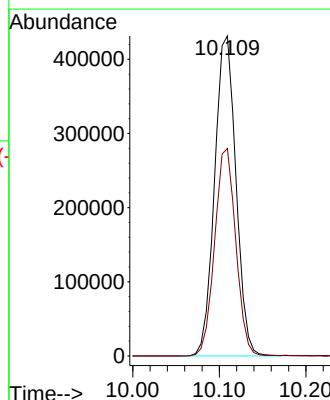
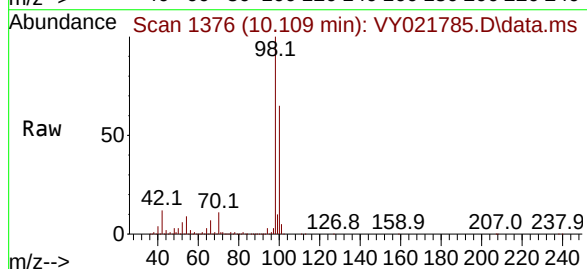
Acq: 04 Apr 2025 15:00

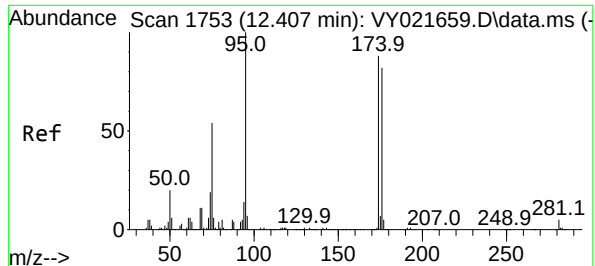
Tgt Ion: 98 Resp: 739915

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1

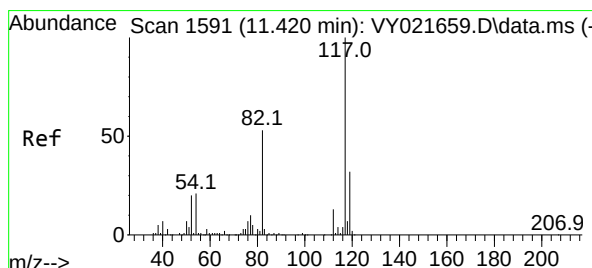
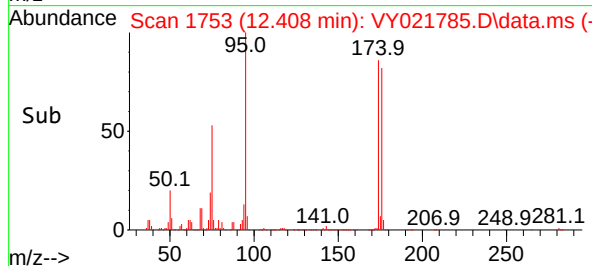
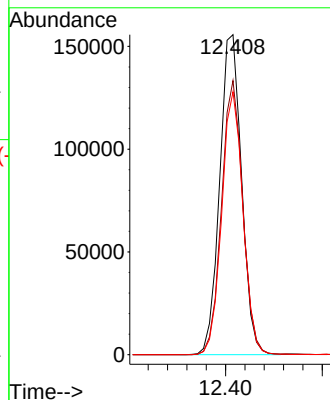
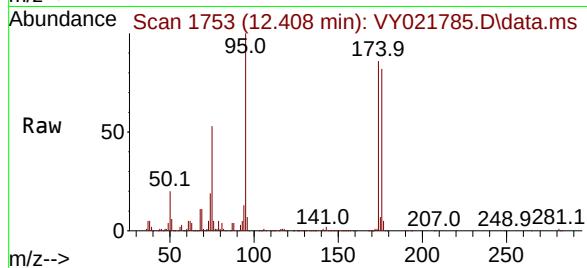




#62
4-Bromofluorobenzene
Concen: 48.988 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

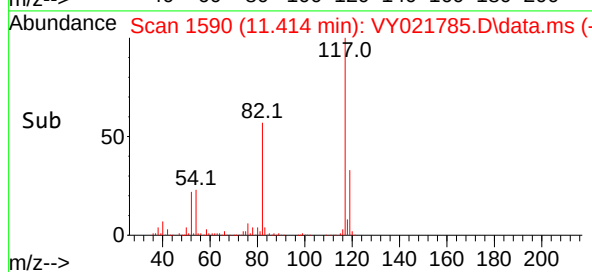
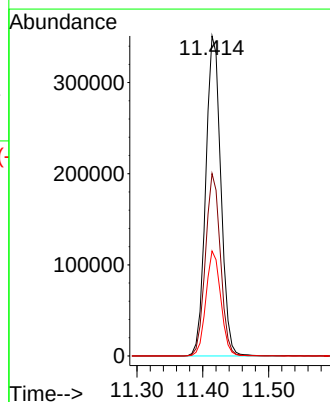
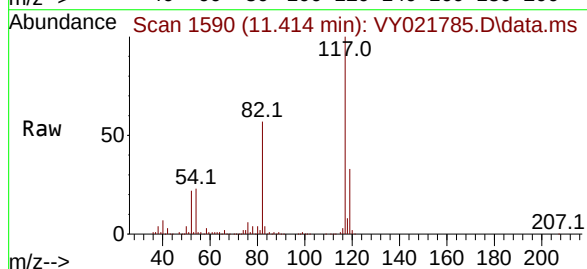
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

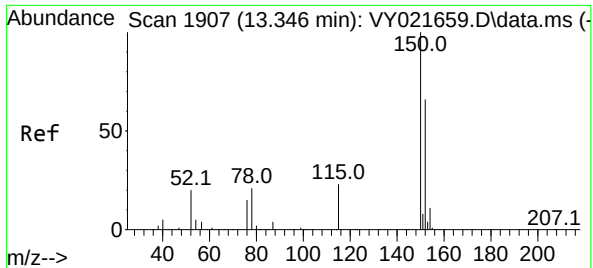
Tgt Ion: 95 Resp: 244095
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 79.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

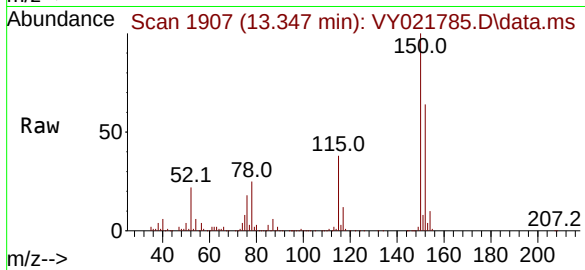
Tgt Ion: 117 Resp: 561519
Ion Ratio Lower Upper
117 100
82 57.0 42.8 64.2
119 32.8 25.7 38.5



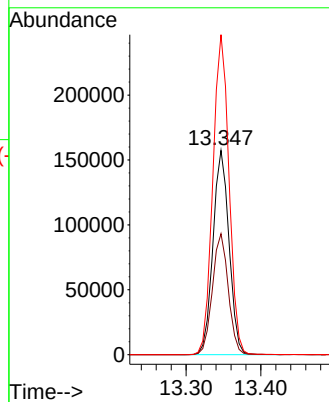
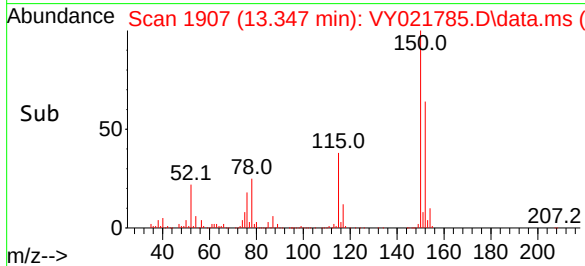


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325



Tgt Ion:152 Resp: 235341
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 157.8 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-23-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	90.9	
Sample Wt/Vol:	5.9	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021786.D	1		04/04/25 15:24	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0011	0.0037	0.0047	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.0010	0.0037	0.0047	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.0012	0.0023	0.0047	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0044	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.0011	0.0037	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00099	0.0023	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00093	0.0023	0.0047	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.028		0.0044	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.00099	0.0037	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00068	0.0023	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0075	U	0.0033	0.0075	0.0093	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00080	0.0023	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00075	0.0023	0.0047	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0061	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00090	0.0023	0.0047	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0012	0.0037	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00070	0.0023	0.0047	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00078	0.0037	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00087	0.0023	0.0047	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00081	0.0023	0.0047	mg/Kg
71-43-2	Benzene	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00085	0.0023	0.0047	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00083	0.0023	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0033	0.012	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-23-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	5.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021786.D	1		04/04/25 15:24	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00061	0.0023	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00086	0.0023	0.0047	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0034	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00081	0.0023	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00082	0.0023	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00098	0.0023	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00085	0.0023	0.0047	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00072	0.0023	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0047	U	0.0012	0.0047	0.0093	mg/Kg
1330-20-7	Total Xylenes	0.0070	U	0.0020	0.0070	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
100-42-5	Styrene	0.0023	U	0.00066	0.0023	0.0047	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00080	0.0023	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0012	0.0037	0.0047	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00068	0.0023	0.0047	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.00060	0.0023	0.0047	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.0016	0.0023	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.0015	0.0023	0.0047	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-23-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	90.9	
Sample Wt/Vol:	5.9	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021786.D	1		04/04/25 15:24	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.0014	0.0023	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.0014	0.0023	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	U	0.0017	0.0037	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0037	U	0.0028	0.0037	0.0047	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.0018	0.0023	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0037	U	0.0030	0.0037	0.0047	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00099	0.0023	0.0047	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	342000	7.707				
540-36-3	1,4-Difluorobenzene	663000	8.616				
3114-55-4	Chlorobenzene-d5	607000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.347				

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\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	341604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	662745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200040	54.048	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.100%
35) Dibromofluoromethane	7.634	113	213518	49.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.109	98	813418	49.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.460%
62) 4-Bromofluorobenzene	12.408	95	260762	47.136	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.280%
Target Compounds						Qvalue
16) Acetone	3.867	43	22926	30.266	ug/l	95
37) Ethyl Acetate	6.994	43	7123m	2.305	ug/l	

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

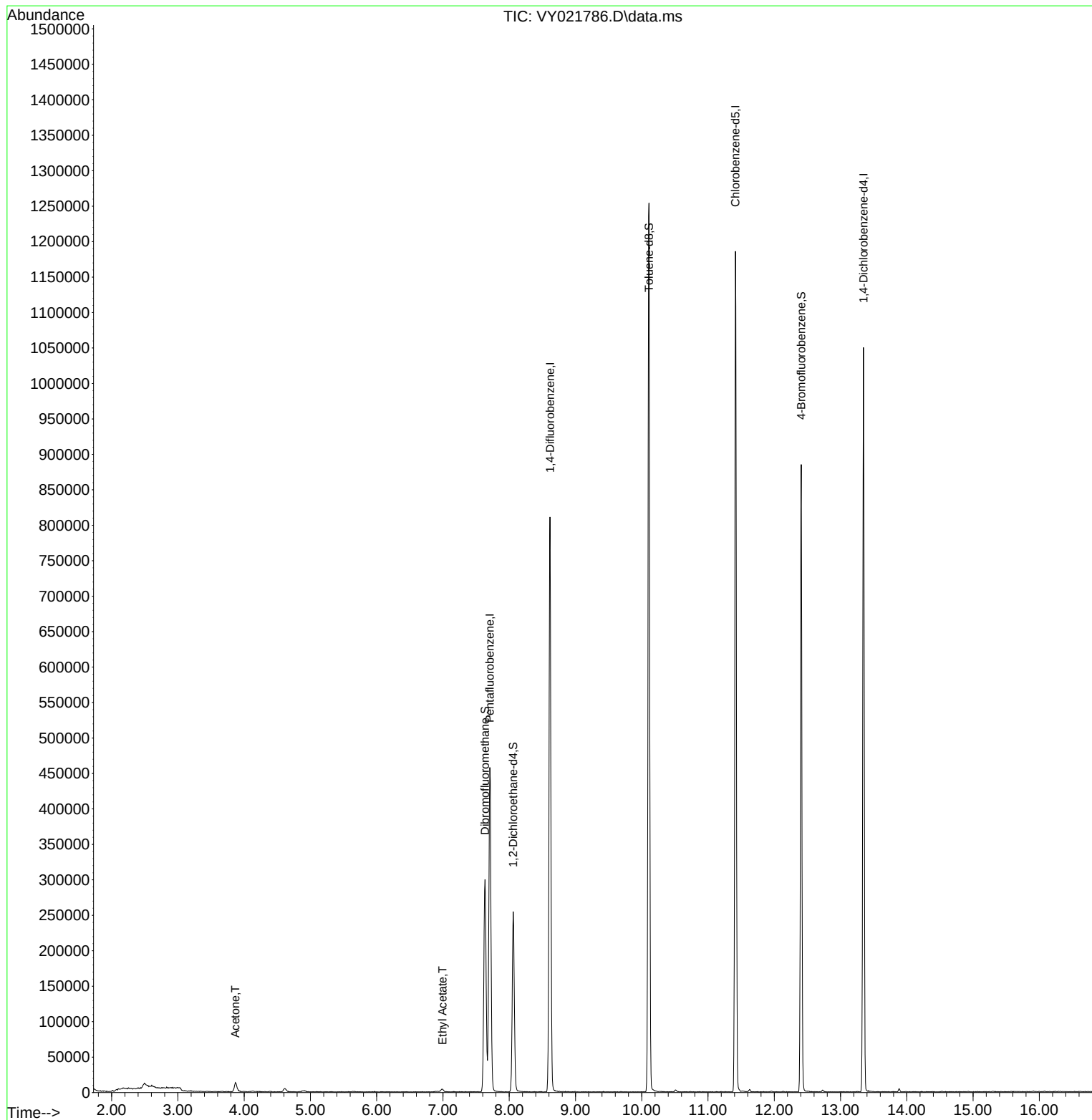
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

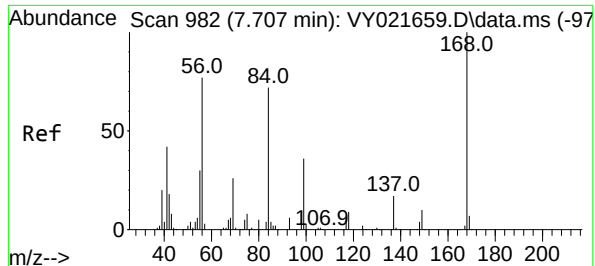
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

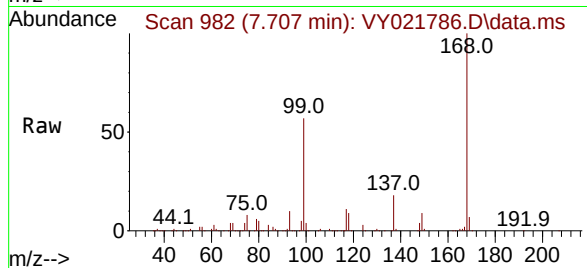
Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

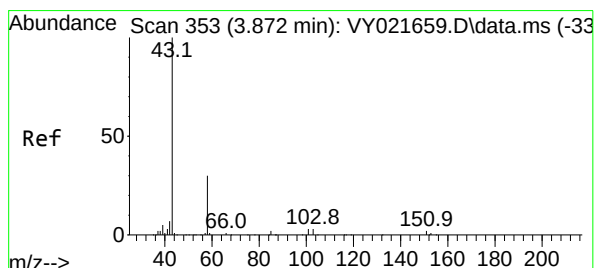
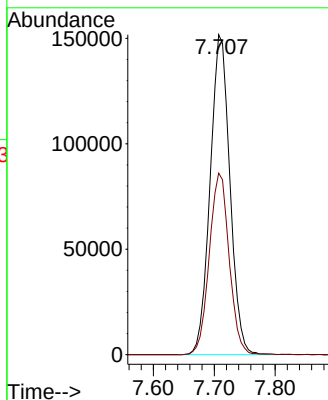
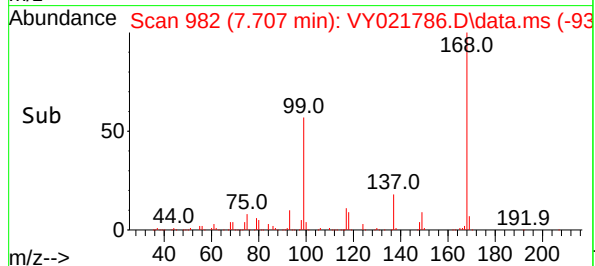
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325



Tgt Ion: 168 Resp: 341604
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

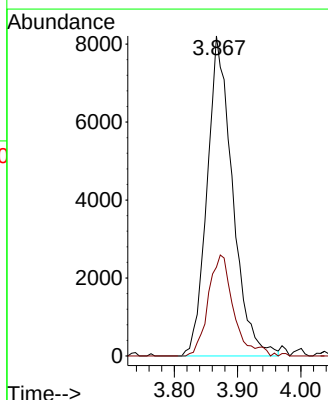
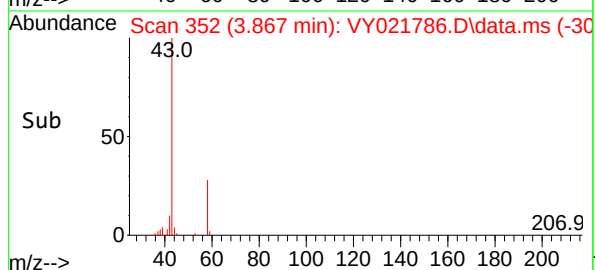
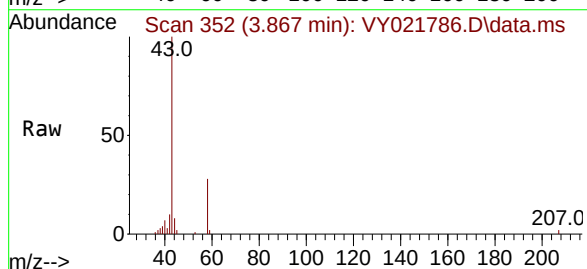
Manual Integrations
APPROVED

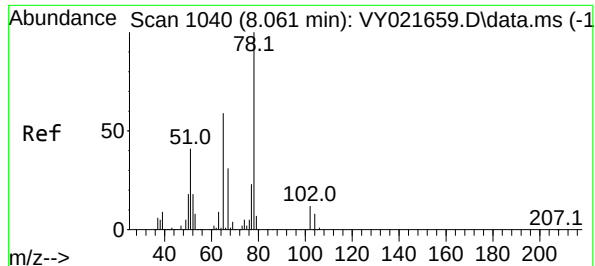
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#16
Acetone
Concen: 30.266 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 43 Resp: 22926
Ion Ratio Lower Upper
43 100
58 27.8 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 54.048 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325

Tgt Ion: 65 Resp: 200040

Ion Ratio Lower Upper

65 100

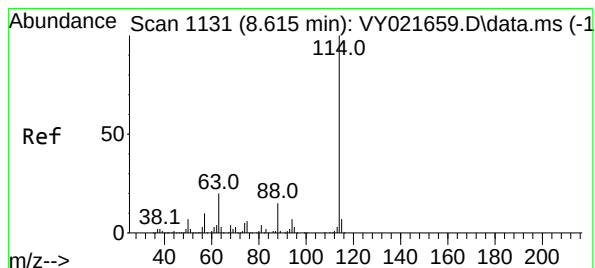
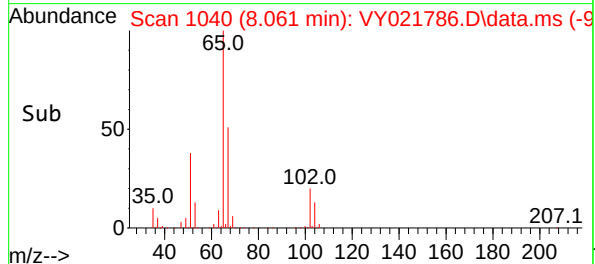
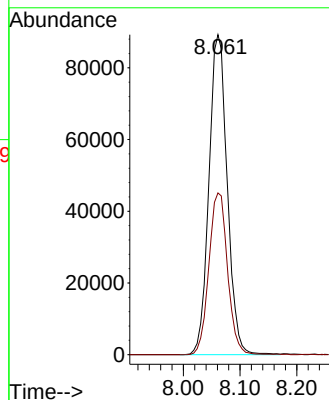
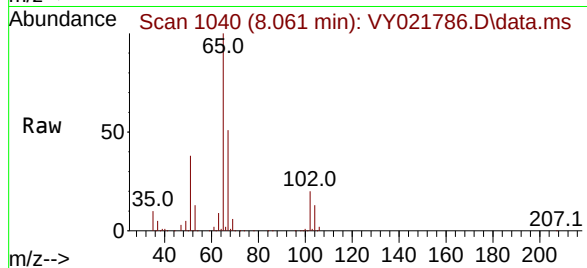
67 51.6 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

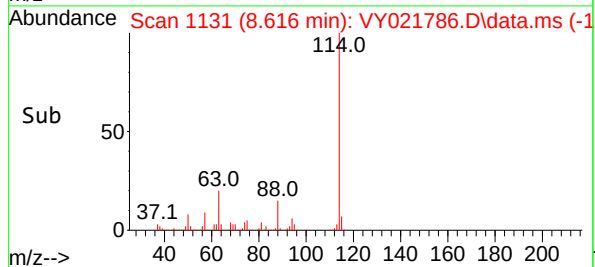
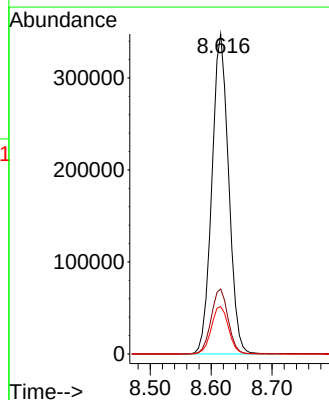
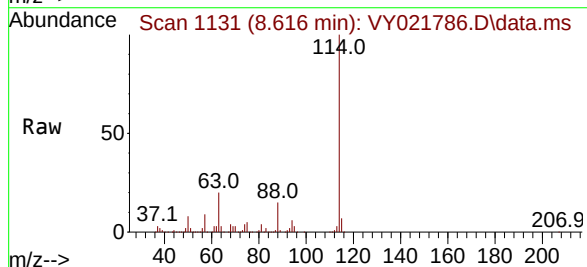
Tgt Ion:114 Resp: 662745

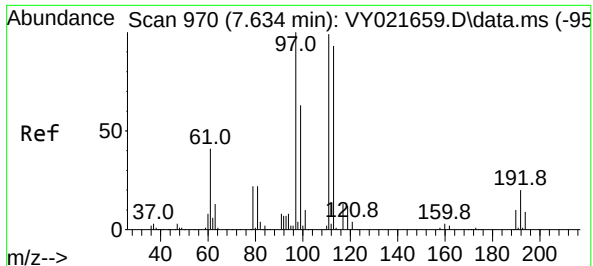
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.666 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021786.D

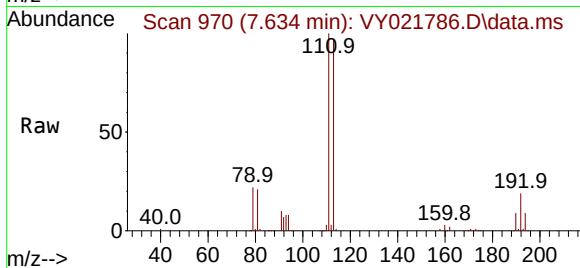
Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325



Tgt Ion: 113 Resp: 213518

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

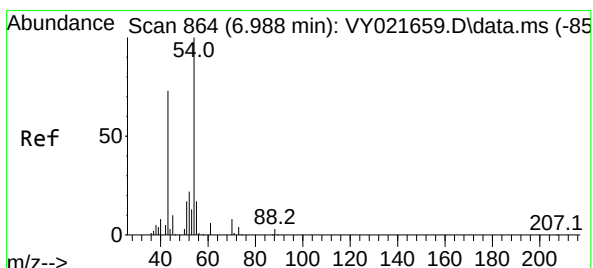
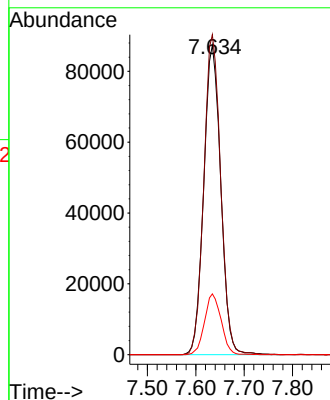
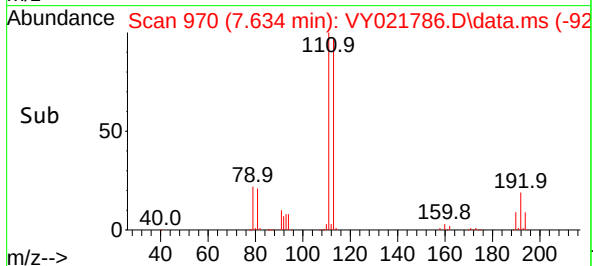
192 19.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#37

Ethyl Acetate

Concen: 2.305 ug/l m

RT: 6.994 min Scan# 865

Delta R.T. 0.006 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

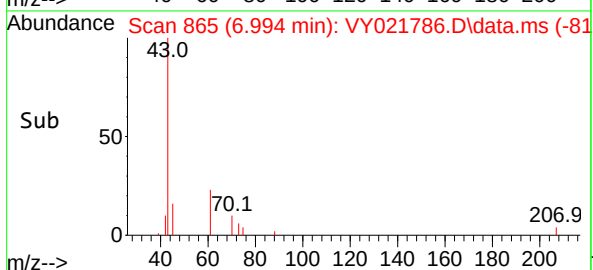
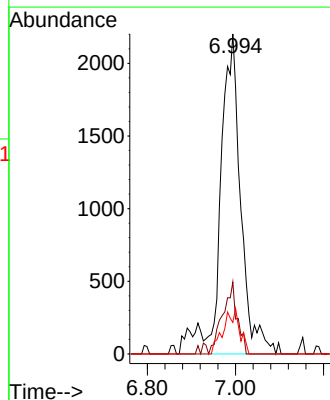
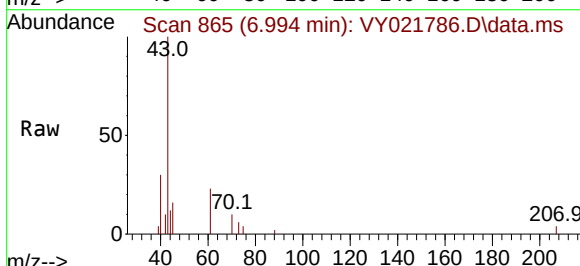
Tgt Ion: 43 Resp: 7123

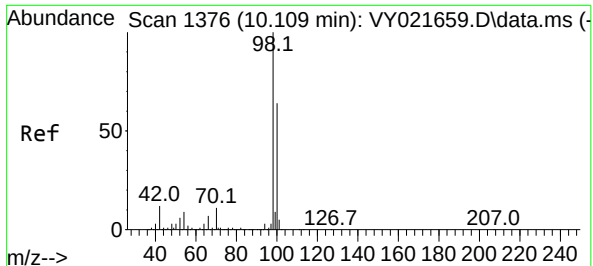
Ion Ratio Lower Upper

43 100

61 15.9 11.0 16.6

70 11.2 8.1 12.1





#50

Toluene-d8

Concen: 49.735 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325

Tgt Ion: 98 Resp: 813418

Ion Ratio Lower Upper

98 100

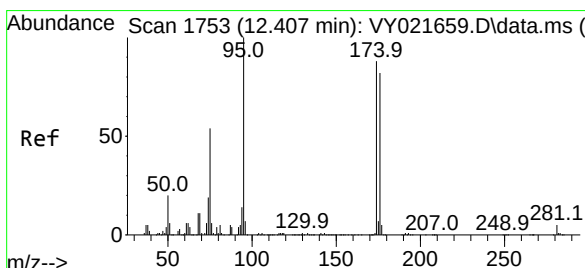
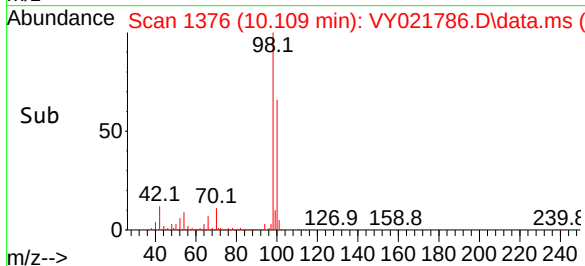
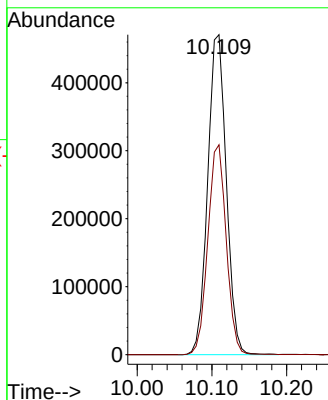
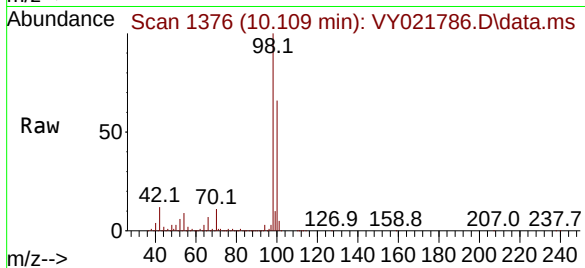
100 64.9 52.1 78.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#62

4-Bromofluorobenzene

Concen: 47.136 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

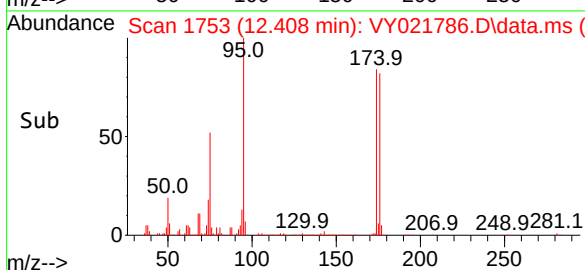
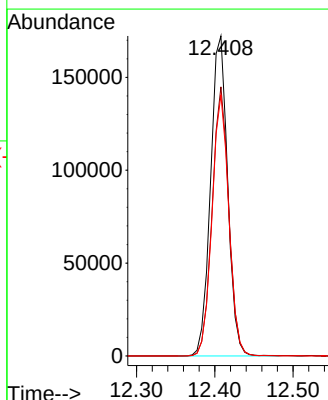
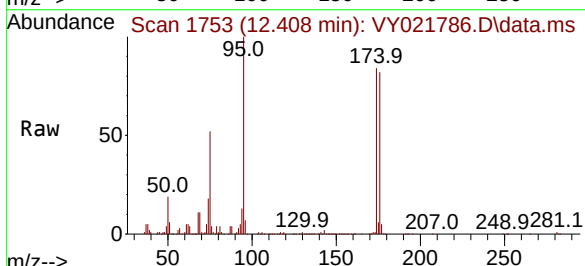
Tgt Ion: 95 Resp: 260762

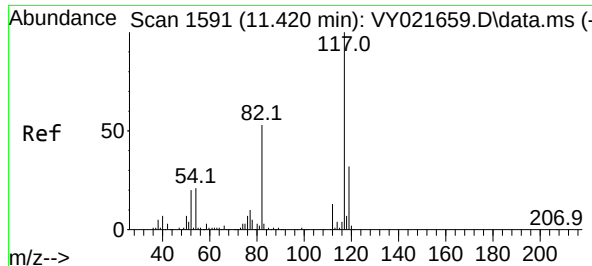
Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.8

176 80.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325

Tgt Ion:117 Resp: 606680

Ion Ratio Lower Upper

117 100

82 56.3 42.8 64.2

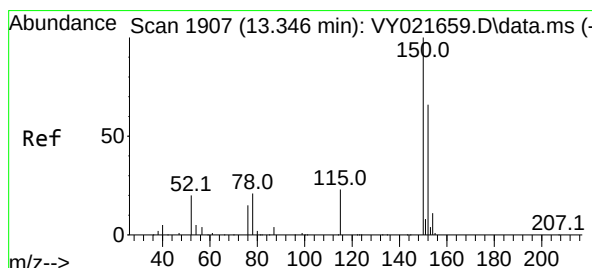
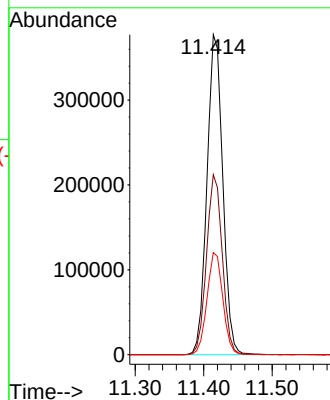
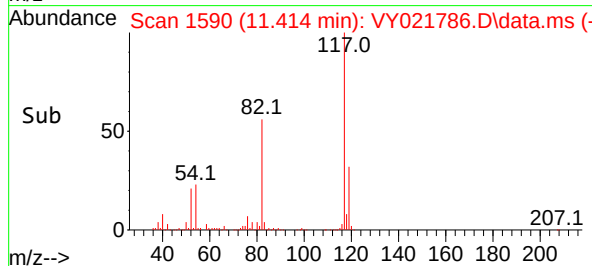
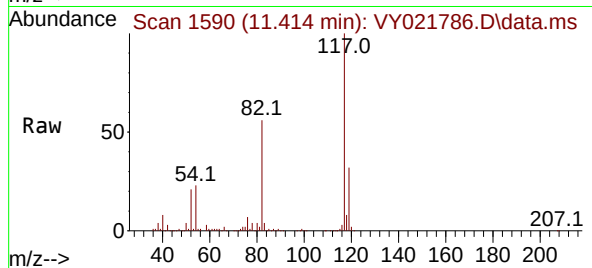
119 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

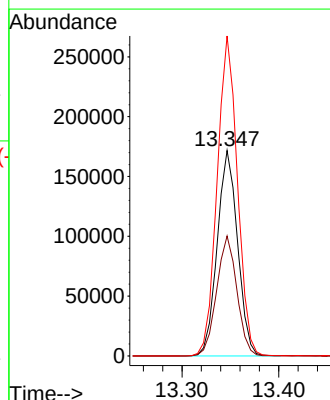
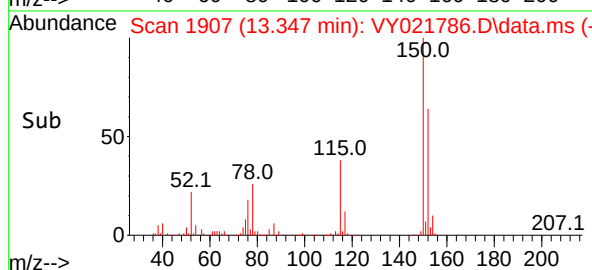
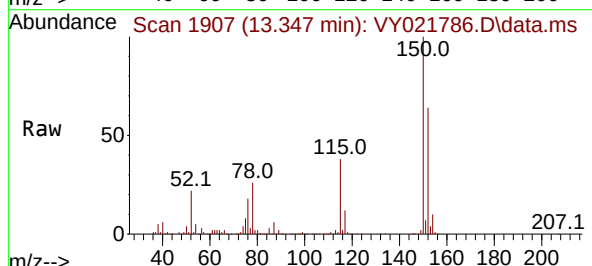
Tgt Ion:152 Resp: 250886

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.0 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-24-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-13		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	91.3	
Sample Wt/Vol:	6.4	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021787.D	1		04/04/25 15:47	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0034	U	0.00098	0.0034	0.0043	mg/Kg
74-87-3	Chloromethane	0.0021	U	0.00098	0.0021	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
74-83-9	Bromomethane	0.0034	U	0.00092	0.0034	0.0043	mg/Kg
75-00-3	Chloroethane	0.0021	U	0.0011	0.0021	0.0043	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0040	0.011	0.021	mg/Kg
75-69-4	Trichlorofluoromethane	0.0034	U	0.0010	0.0034	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0021	U	0.00091	0.0021	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.0021	U	0.00086	0.0021	0.0043	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0043	0.011	0.021	mg/Kg
67-64-1	Acetone	0.017	J	0.0041	0.017	0.021	mg/Kg
75-15-0	Carbon Disulfide	0.0034	U	0.00091	0.0034	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0021	U	0.00062	0.0021	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0068	U	0.0030	0.0068	0.0086	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
78-93-3	2-Butanone	0.017	U	0.0056	0.017	0.021	mg/Kg
56-23-5	Carbon Tetrachloride	0.0021	U	0.00083	0.0021	0.0043	mg/Kg
594-20-7	2,2-Dichloropropane	0.0034	U	0.0011	0.0034	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0021	U	0.00064	0.0021	0.0043	mg/Kg
67-66-3	Chloroform	0.0034	U	0.00072	0.0034	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0021	U	0.00080	0.0021	0.0043	mg/Kg
563-58-6	1,1-Dichloropropene	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
71-43-2	Benzene	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
79-01-6	Trichloroethene	0.0021	U	0.00069	0.0021	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.0021	U	0.00078	0.0021	0.0043	mg/Kg
74-95-3	Dibromomethane	0.0021	U	0.00076	0.0021	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.0021	U	0.00067	0.0021	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0031	0.011	0.021	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-24-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021787.D	1		04/04/25 15:47	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0021	U	0.00067	0.0021	0.0043	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0021	U	0.00056	0.0021	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0021	U	0.00053	0.0021	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0021	U	0.00079	0.0021	0.0043	mg/Kg
142-28-9	1,3-Dichloropropane	0.0021	U	0.00058	0.0021	0.0043	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0032	0.011	0.021	mg/Kg
124-48-1	Dibromochloromethane	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.0021	U	0.00075	0.0021	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.0021	U	0.00090	0.0021	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.0021	U	0.00078	0.0021	0.0043	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0021	U	0.00066	0.0021	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.0021	U	0.00057	0.0021	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0043	U	0.0011	0.0043	0.0086	mg/Kg
1330-20-7	Total Xylenes	0.0064	U	0.0018	0.0064	0.013	mg/Kg
95-47-6	o-Xylene	0.0021	U	0.00070	0.0021	0.0043	mg/Kg
100-42-5	Styrene	0.0021	U	0.00061	0.0021	0.0043	mg/Kg
75-25-2	Bromoform	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.0021	U	0.00067	0.0021	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	0.0010	0.0021	0.0043	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0034	U	0.0011	0.0034	0.0043	mg/Kg
108-86-1	Bromobenzene	0.0021	U	0.0010	0.0021	0.0043	mg/Kg
103-65-1	n-propylbenzene	0.0021	U	0.00062	0.0021	0.0043	mg/Kg
95-49-8	2-Chlorotoluene	0.0021	U	0.00058	0.0021	0.0043	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0021	U	0.00070	0.0021	0.0043	mg/Kg
106-43-4	4-Chlorotoluene	0.0021	U	0.0010	0.0021	0.0043	mg/Kg
98-06-6	tert-Butylbenzene	0.0021	U	0.00057	0.0021	0.0043	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0021	U	0.00055	0.0021	0.0043	mg/Kg
135-98-8	sec-Butylbenzene	0.0021	U	0.00056	0.0021	0.0043	mg/Kg
99-87-6	p-Isopropyltoluene	0.0021	U	0.00053	0.0021	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0021	U	0.0015	0.0021	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0021	U	0.0013	0.0021	0.0043	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-24-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021787.D	1		04/04/25 15:47	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0021	U	0.0012	0.0021	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0021	U	0.0012	0.0021	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0034	U	0.0016	0.0034	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0034	U	0.0025	0.0034	0.0043	mg/Kg
87-68-3	Hexachlorobutadiene	0.0021	U	0.0016	0.0021	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0034	U	0.0027	0.0034	0.0043	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0021	U	0.00091	0.0021	0.0043	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.1		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.4		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	312000	7.707				
540-36-3	1,4-Difluorobenzene	617000	8.616				
3114-55-4	Chlorobenzene-d5	589000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	248000	13.346				

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\VY040425\
Data File : VY021787.D
Acq On : 04 Apr 2025 15:47
Operator : SY/MD
Sample : Q1730-13
Misc : 6.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Quant Time: Apr 04 23:40:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

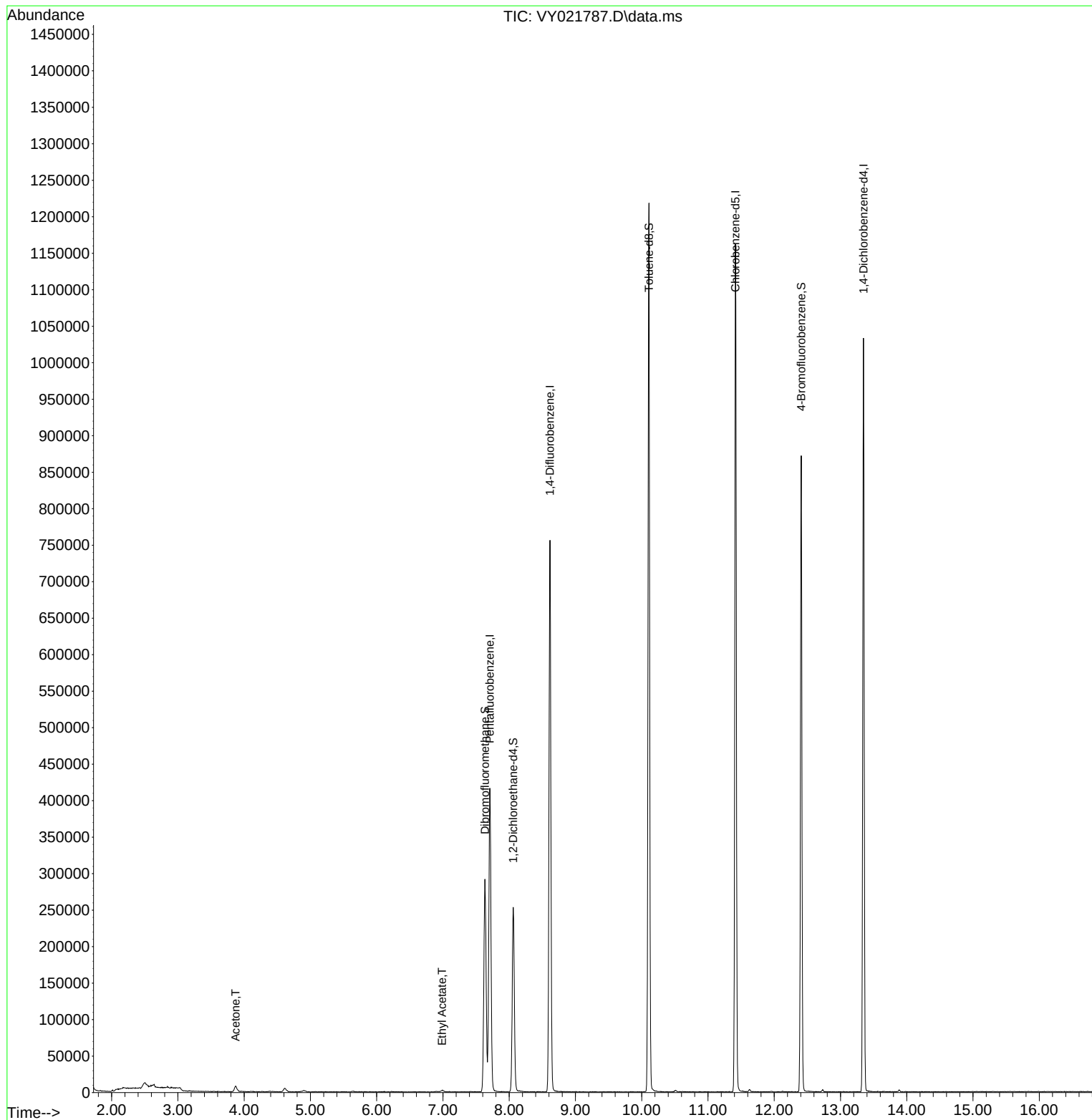
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene		7.707	168	311584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.616	114	616656	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.414	117	588608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.346	152	247734	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.061	65	199571	59.116	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 118.240%		
35) Dibromofluoromethane		7.634	113	203635	50.907	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 101.820%		
50) Toluene-d8		10.109	98	767004	50.402	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134		Recovery	= 100.800%		
62) 4-Bromofluorobenzene		12.408	95	254584	49.459	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143		Recovery	= 98.920%		
Target Compounds							Qvalue
16) Acetone		3.873	43	13685	19.807	ug/l	95
37) Ethyl Acetate		6.988	43	3581	1.245	ug/l	97

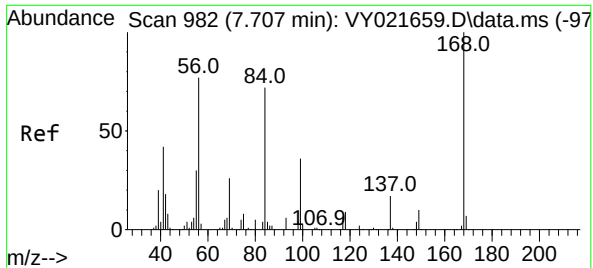
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021787.D
Acq On : 04 Apr 2025 15:47
Operator : SY/MD
Sample : Q1730-13
Misc : 6.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Quant Time: Apr 04 23:40:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

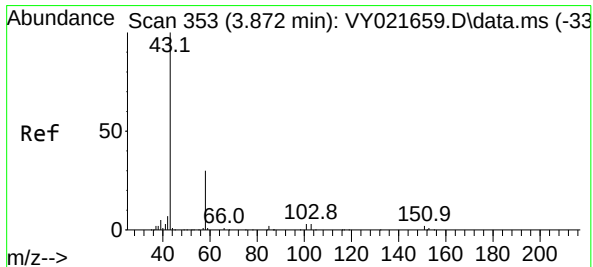
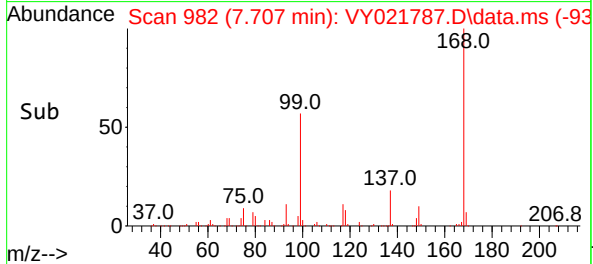
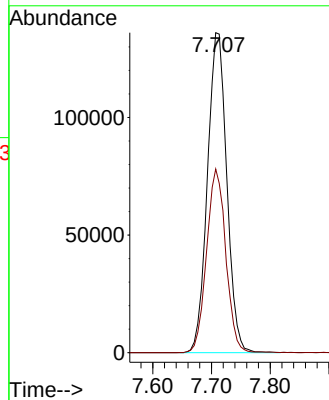
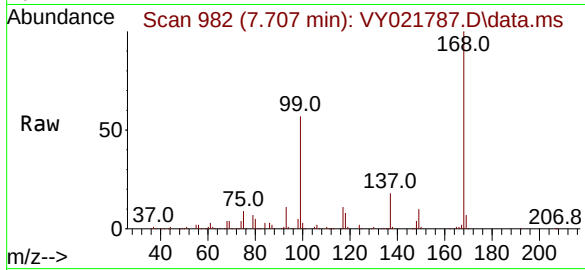




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

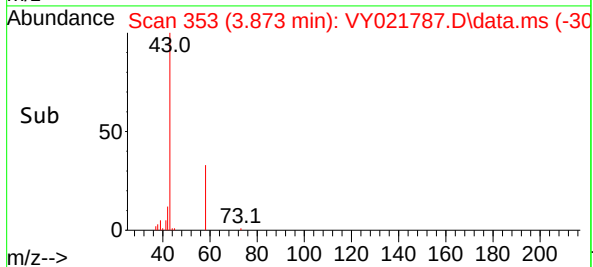
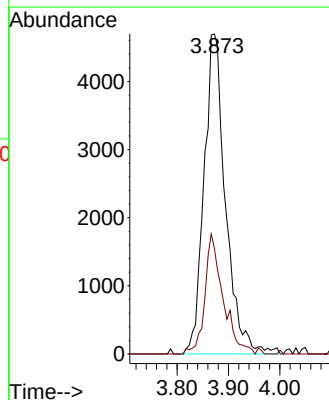
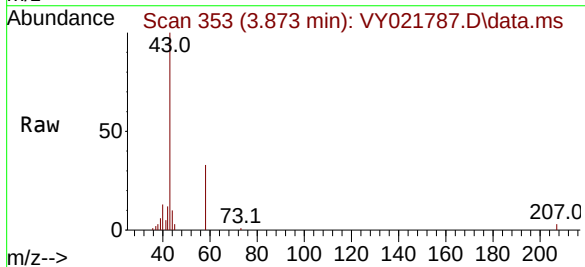
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

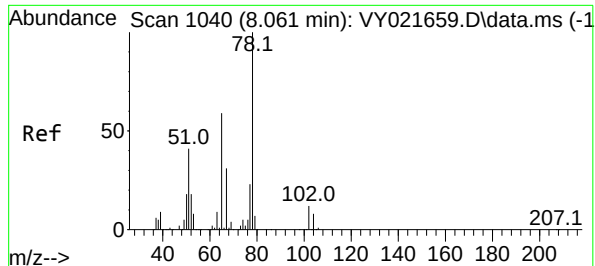
Tgt Ion:168 Resp: 311584
Ion Ratio Lower Upper
168 100
99 57.4 46.7 70.1



#16
Acetone
Concen: 19.807 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 43 Resp: 13685
Ion Ratio Lower Upper
43 100
58 33.0 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 59.116 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

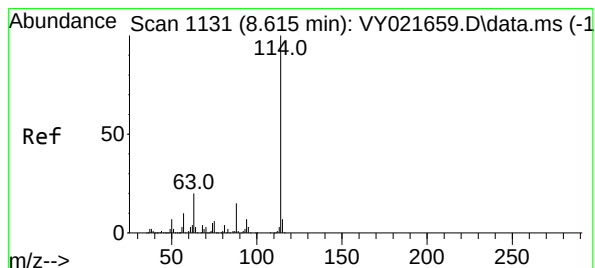
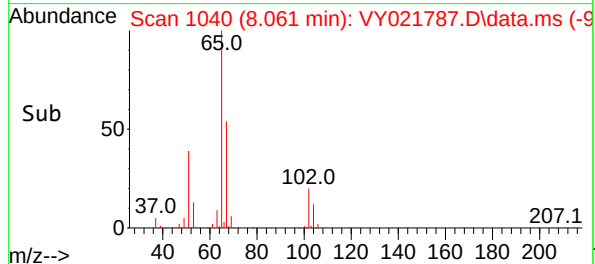
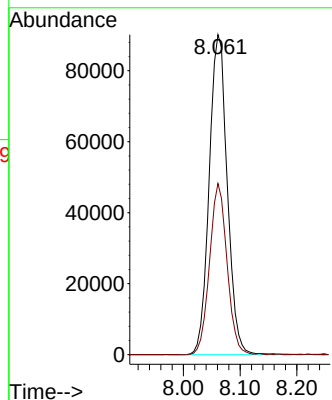
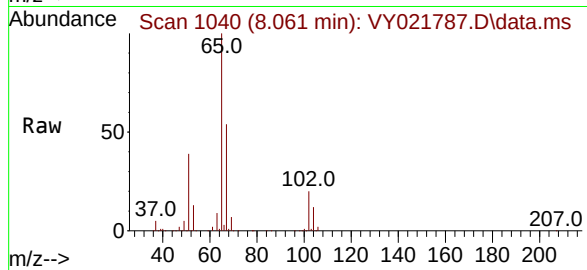
OU4-PCS-TC-24-040325

Tgt Ion: 65 Resp: 199571

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

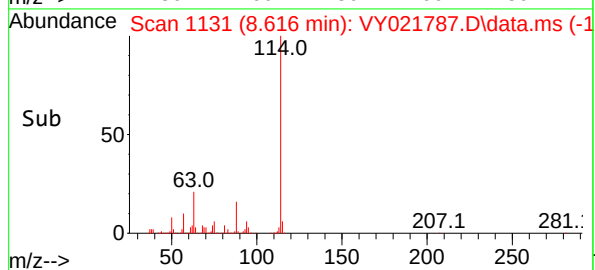
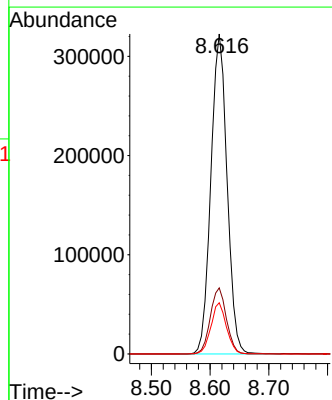
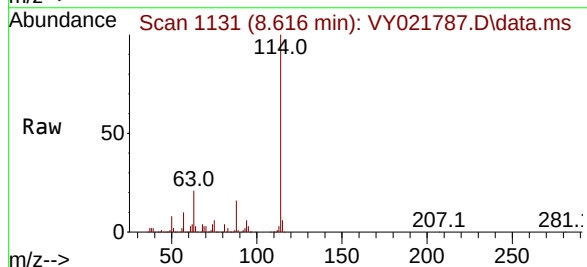
Tgt Ion: 114 Resp: 616656

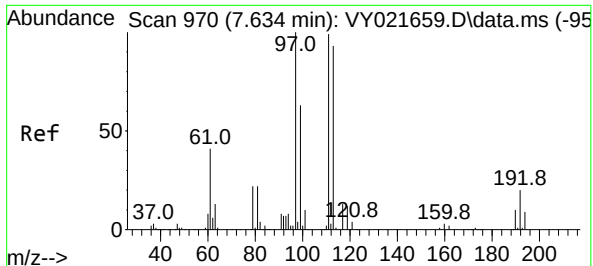
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 16.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.907 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021787.D

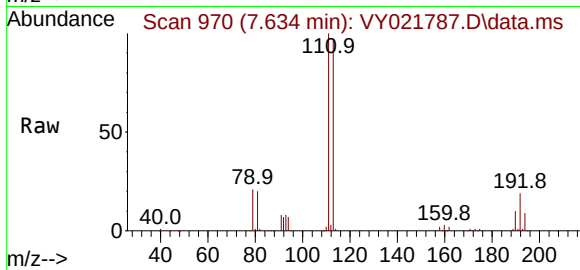
Acq: 04 Apr 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-24-040325



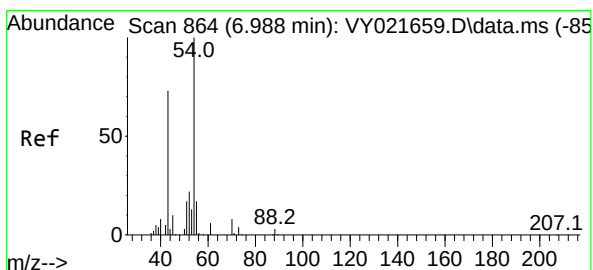
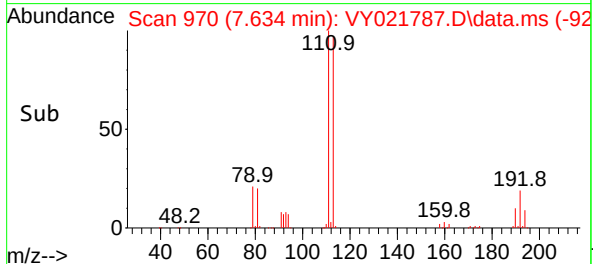
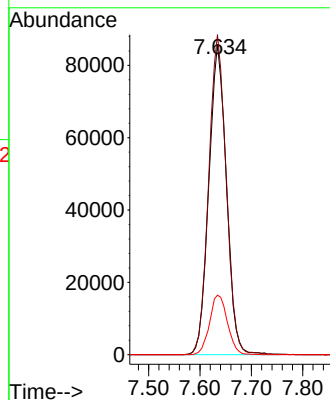
Tgt Ion:113 Resp: 203635

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 19.5 16.2 24.4



#37

Ethyl Acetate

Concen: 1.245 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

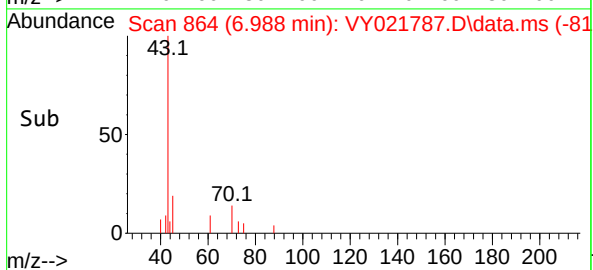
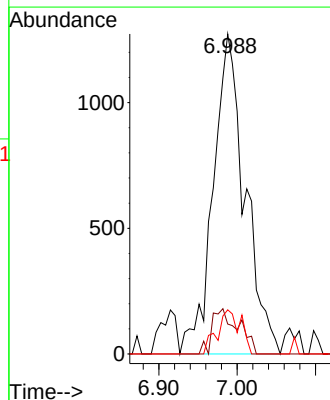
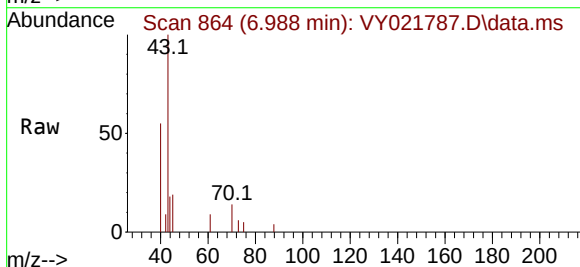
Tgt Ion: 43 Resp: 3581

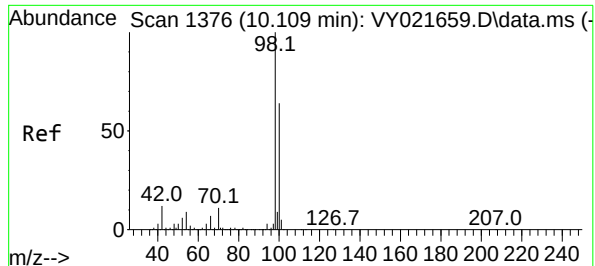
Ion Ratio Lower Upper

43 100

61 11.8 11.0 16.6

70 10.2 8.1 12.1





#50

Toluene-d8

Concen: 50.402 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

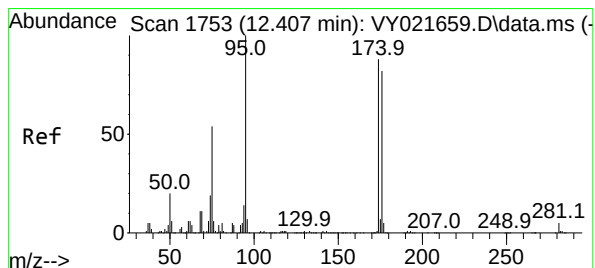
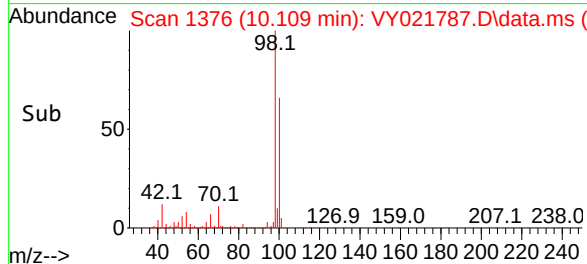
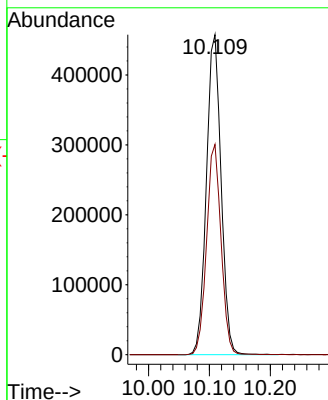
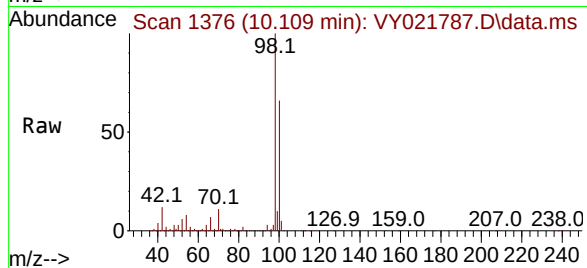
OU4-PCS-TC-24-040325

Tgt Ion: 98 Resp: 767004

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 49.459 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

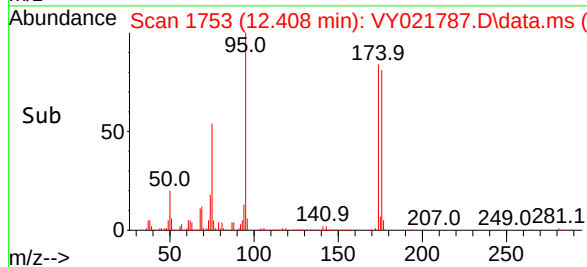
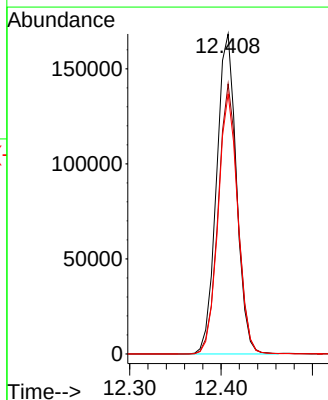
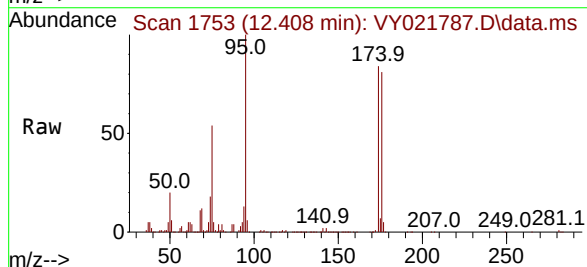
Tgt Ion: 95 Resp: 254584

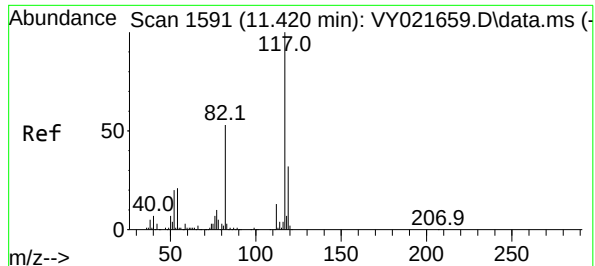
Ion Ratio Lower Upper

95 100

174 83.4 0.0 170.8

176 80.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-24-040325

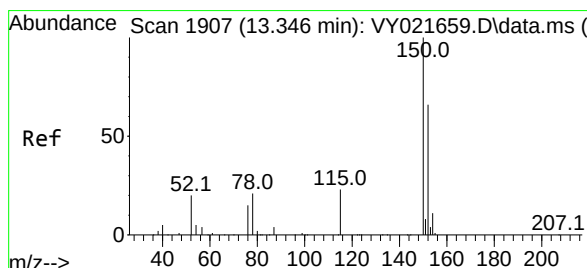
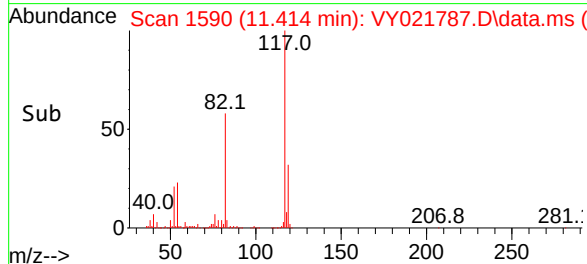
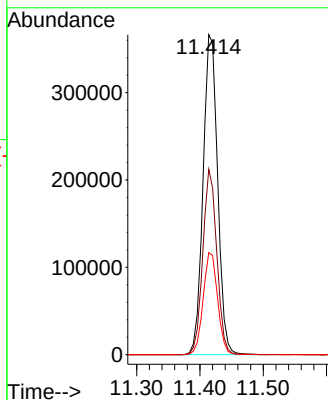
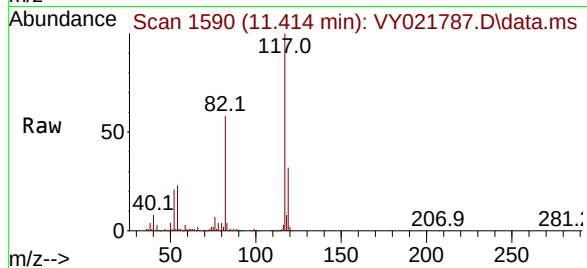
Tgt Ion:117 Resp: 588608

Ion Ratio Lower Upper

117 100

82 58.0 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

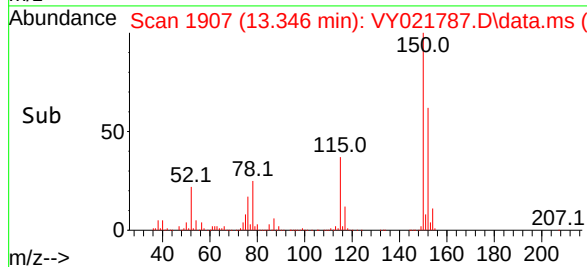
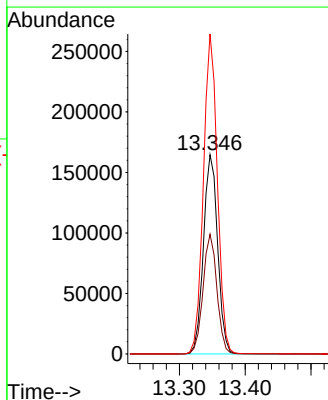
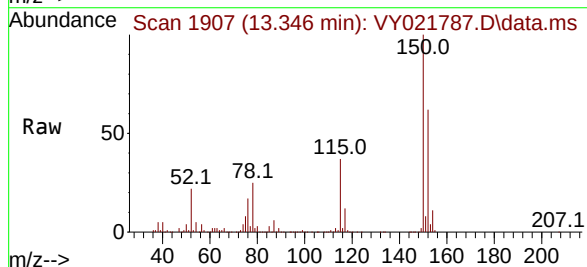
Tgt Ion:152 Resp: 247734

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 157.4 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-25-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-15		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.5	
Sample Wt/Vol:	5.94	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021788.D	1		04/04/25 16:11	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0036	U	0.0010	0.0036	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0036	U	0.00097	0.0036	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0042	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0036	U	0.0011	0.0036	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00096	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00091	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0045	0.011	0.023	mg/Kg
67-64-1	Acetone	0.029		0.0043	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0036	U	0.00096	0.0036	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0073	U	0.0032	0.0073	0.0091	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0060	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00088	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0036	U	0.0012	0.0036	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0036	U	0.00076	0.0036	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00085	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00079	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00083	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0033	0.011	0.023	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-25-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-15		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.5	
Sample Wt/Vol:	5.94	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021788.D	1		04/04/25 16:11	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00084	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0034	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00079	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00096	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00083	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00070	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0011	0.0046	0.0091	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0019	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00065	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0036	U	0.0011	0.0036	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.0016	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.0014	0.0023	0.0046	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-25-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021788.D	1		04/04/25 16:11	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0036	U	0.0017	0.0036	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0036	U	0.0027	0.0036	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.0017	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0036	U	0.0029	0.0036	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00096	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	321000	7.707				
540-36-3	1,4-Difluorobenzene	630000	8.616				
3114-55-4	Chlorobenzene-d5	590000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	248000	13.347				

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\VY040425\
Data File : VY021788.D
Acq On : 04 Apr 2025 16:11
Operator : SY/MD
Sample : Q1730-15
Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Quant Time: Apr 04 23:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

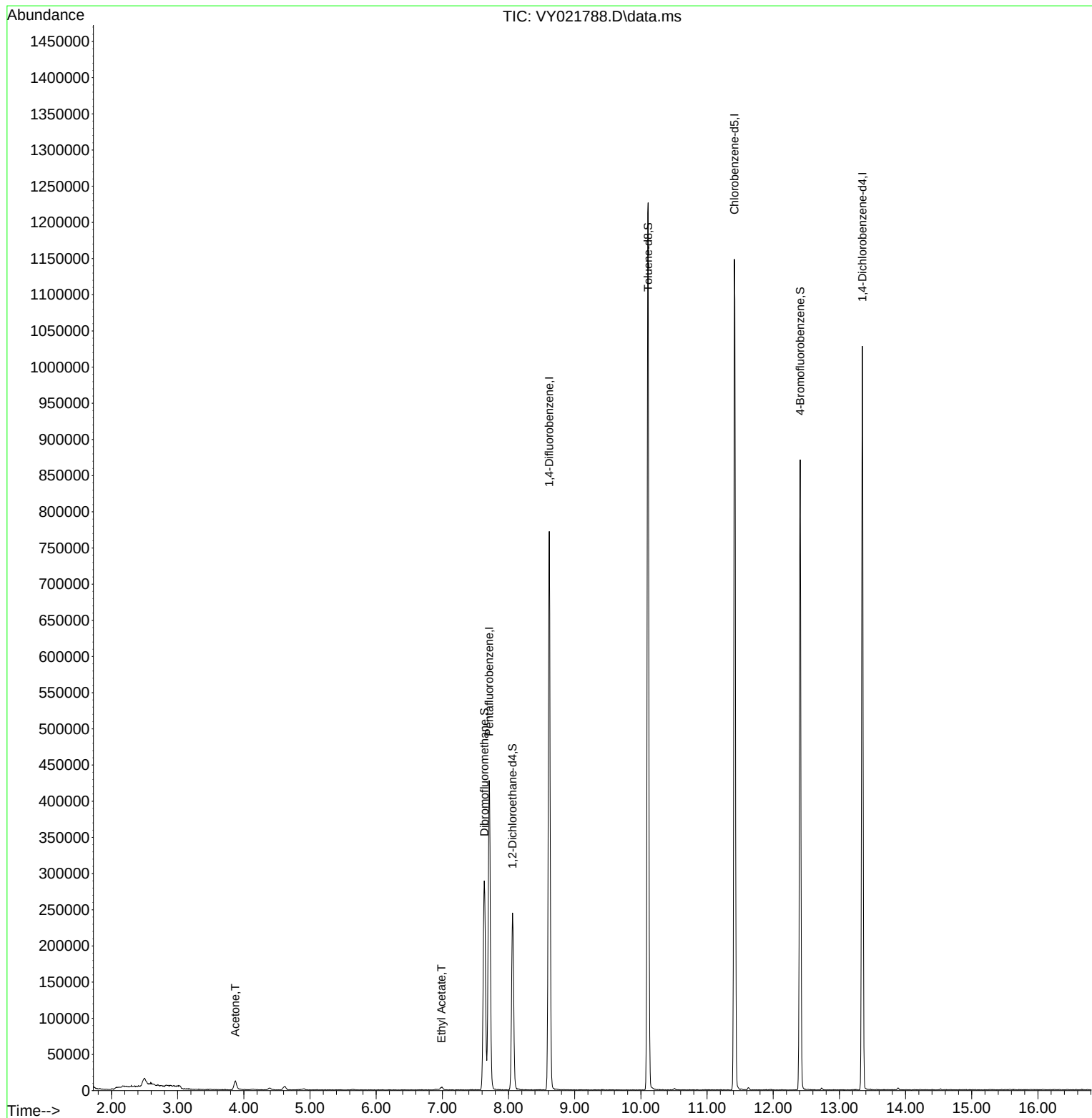
Internal Standards						
1) Pentafluorobenzene	7.707	168	320565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	630114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	247639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193209	55.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.260%
35) Dibromofluoromethane	7.634	113	206030	50.406	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.109	98	780046	50.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.408	95	255317	48.542	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.080%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	22600	31.794	ug/l	100
37) Ethyl Acetate	6.988	43	5217	1.776	ug/l #	89

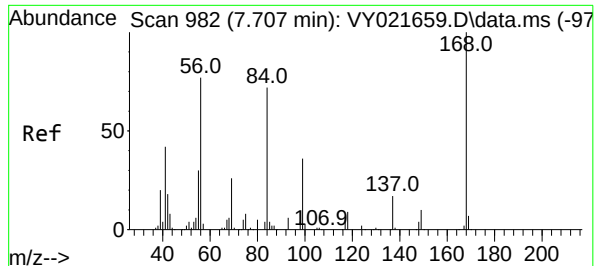
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021788.D
Acq On : 04 Apr 2025 16:11
Operator : SY/MD
Sample : Q1730-15
Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Quant Time: Apr 04 23:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

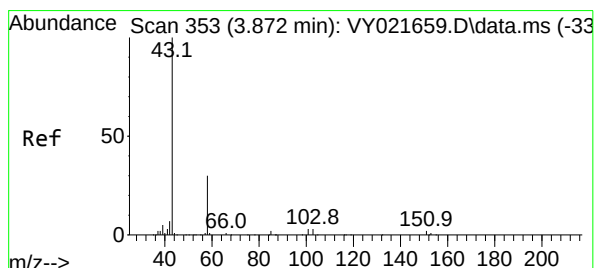
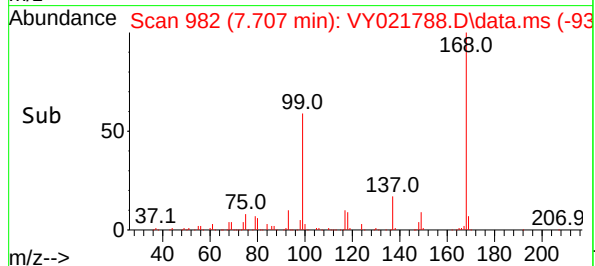
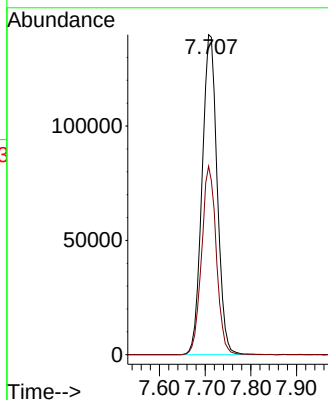
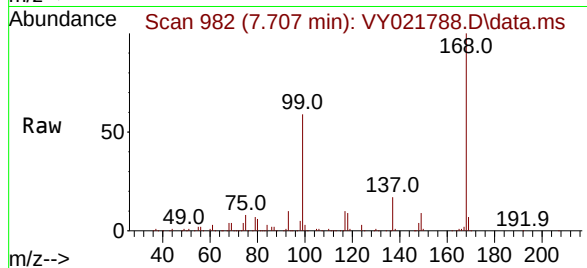




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

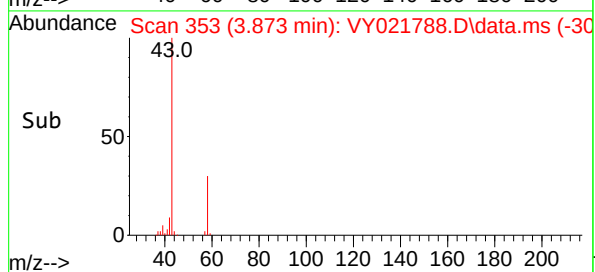
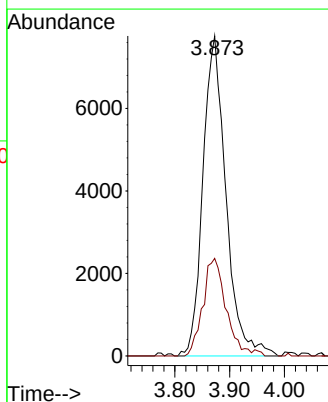
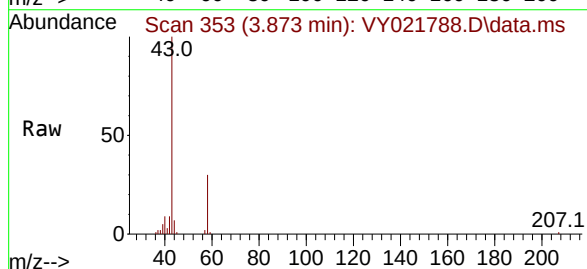
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

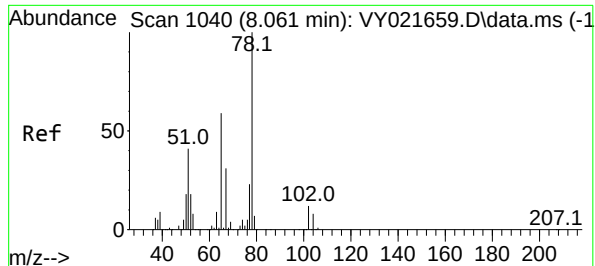
Tgt Ion:168 Resp: 320565
Ion Ratio Lower Upper
168 100
99 58.9 46.7 70.1



#16
Acetone
Concen: 31.794 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 43 Resp: 22600
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 55.628 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

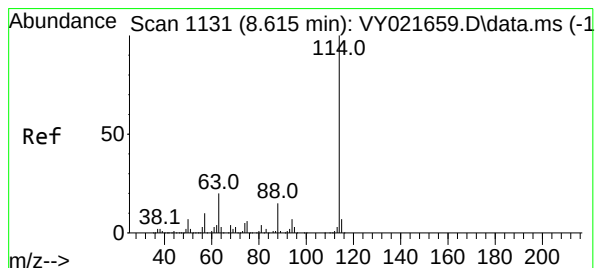
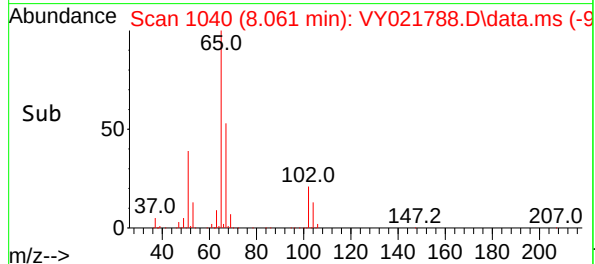
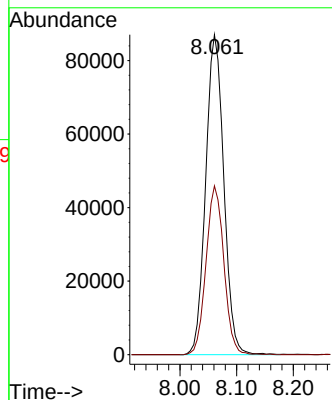
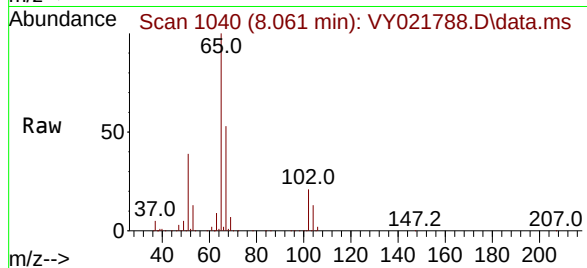
OU4-PCS-TC-25-040325

Tgt Ion: 65 Resp: 193209

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

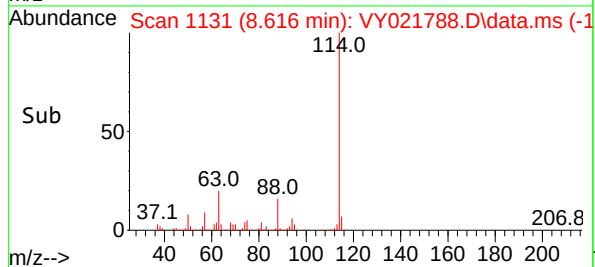
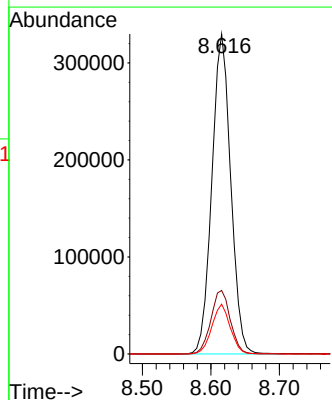
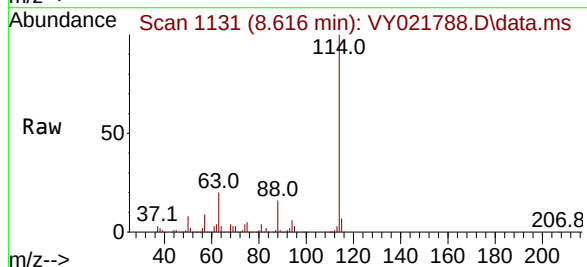
Tgt Ion: 114 Resp: 630114

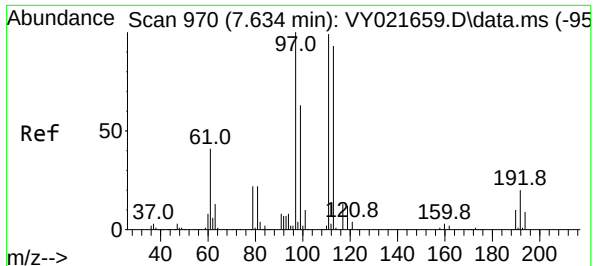
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.6 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.406 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-25-040325

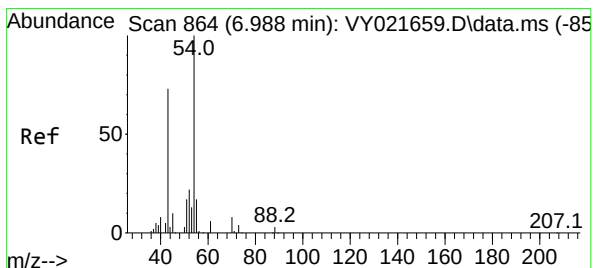
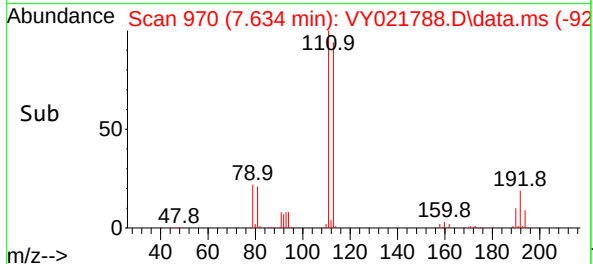
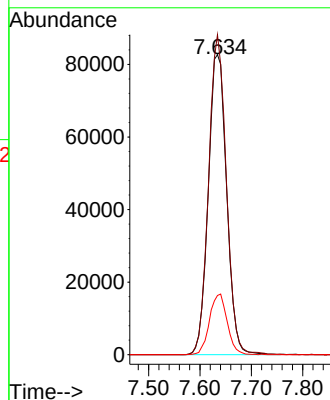
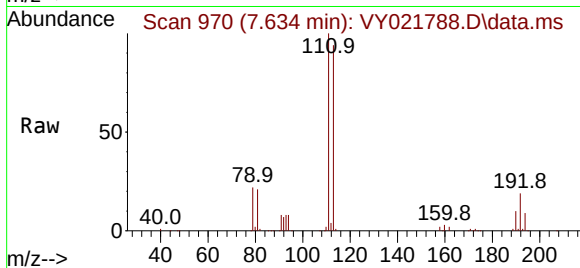
Tgt Ion:113 Resp: 206030

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 19.5 16.2 24.4



#37

Ethyl Acetate

Concen: 1.776 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

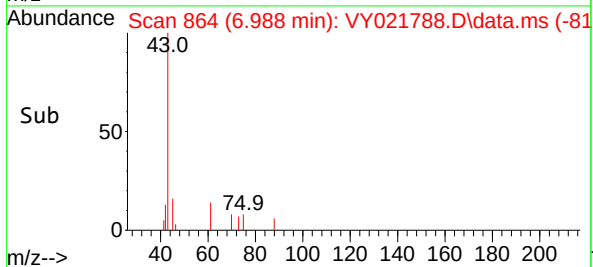
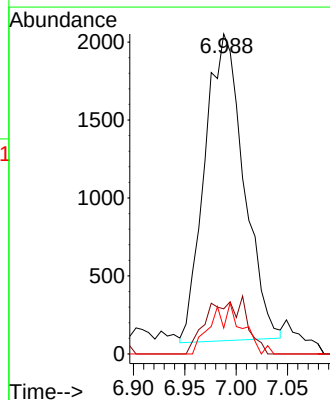
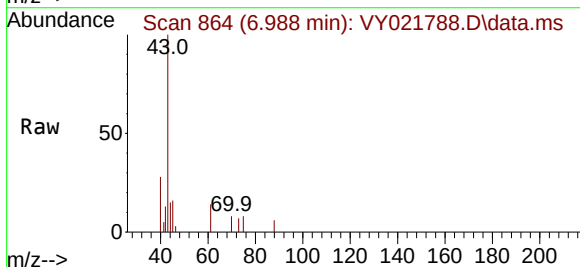
Tgt Ion: 43 Resp: 5217

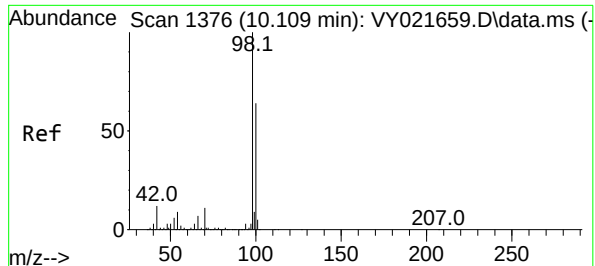
Ion Ratio Lower Upper

43 100

61 9.4 11.0 16.6#

70 6.3 8.1 12.1#





#50

Toluene-d8

Concen: 50.164 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

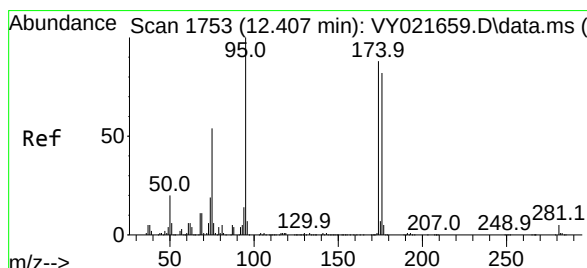
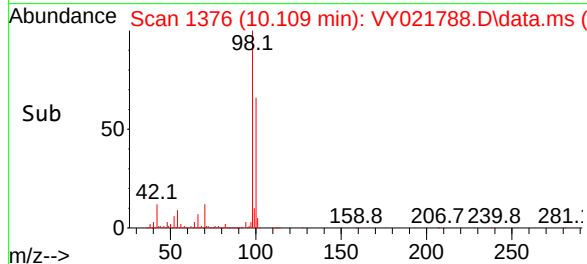
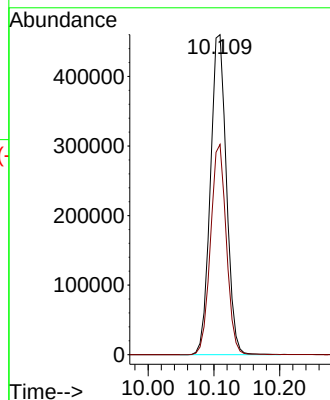
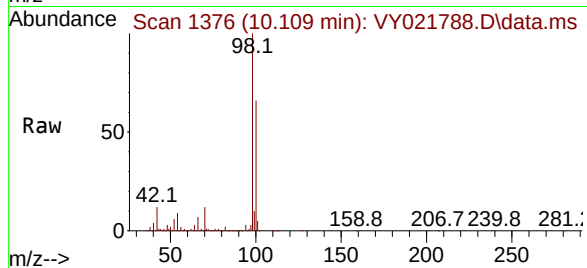
OU4-PCS-TC-25-040325

Tgt Ion: 98 Resp: 780046

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 48.542 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

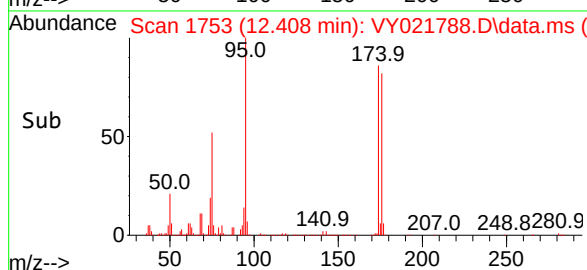
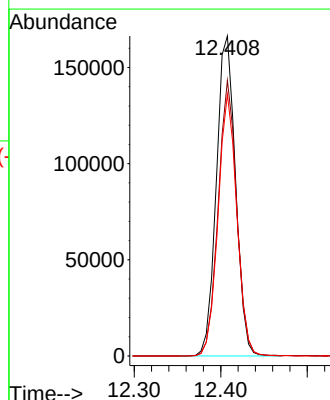
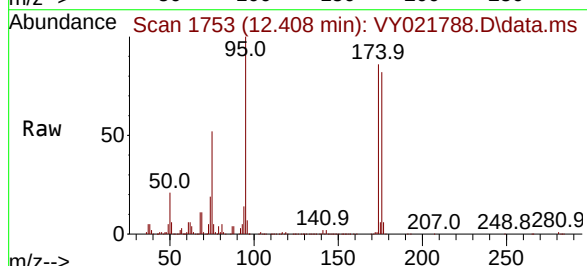
Tgt Ion: 95 Resp: 255317

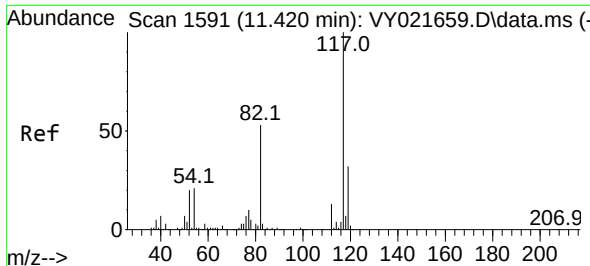
Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.8

176 79.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-25-040325

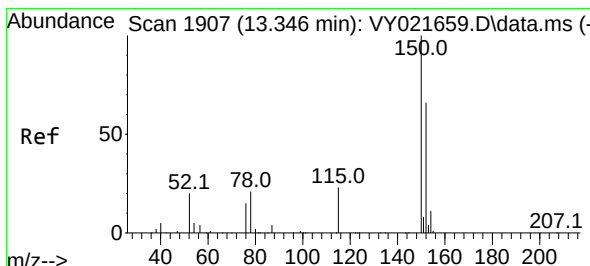
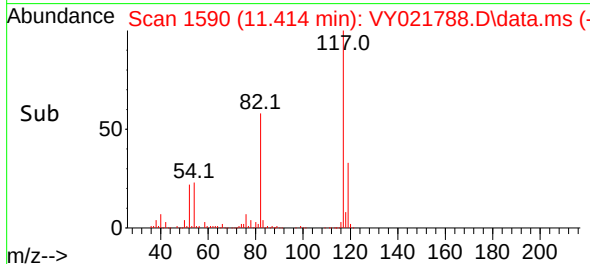
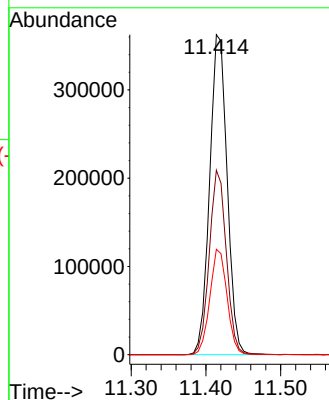
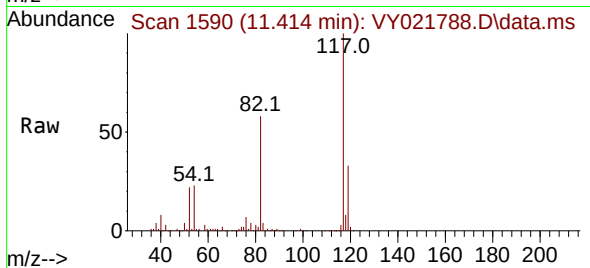
Tgt Ion:117 Resp: 590211

Ion Ratio Lower Upper

117 100

82 57.7 42.8 64.2

119 33.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

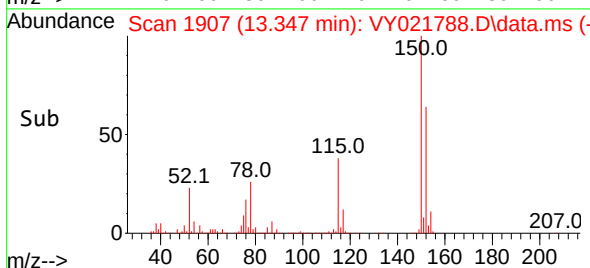
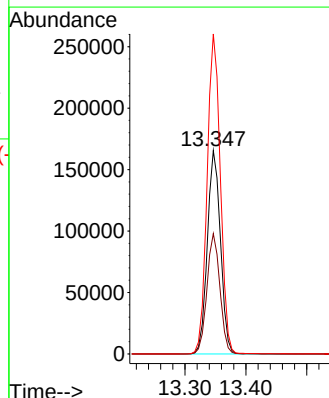
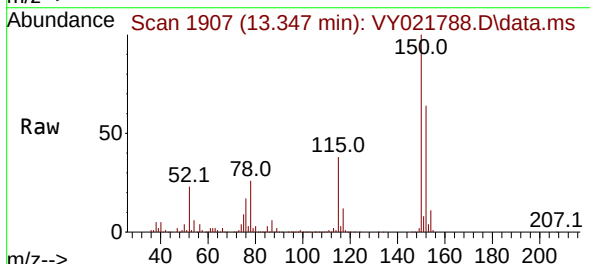
Tgt Ion:152 Resp: 247639

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 158.2 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-26-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-17		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.1	
Sample Wt/Vol:	6.29	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021798.D	1		04/07/25 15:10	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0035	U	0.00098	0.0035	0.0043	mg/Kg
74-87-3	Chloromethane	0.0022	U	0.00098	0.0022	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.0022	U	0.00068	0.0022	0.0043	mg/Kg
74-83-9	Bromomethane	0.0035	U	0.00092	0.0035	0.0043	mg/Kg
75-00-3	Chloroethane	0.0022	U	0.0011	0.0022	0.0043	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0040	0.011	0.022	mg/Kg
75-69-4	Trichlorofluoromethane	0.0035	U	0.0010	0.0035	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0022	U	0.00091	0.0022	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.0022	U	0.00086	0.0022	0.0043	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0043	0.011	0.022	mg/Kg
67-64-1	Acetone	0.10		0.0041	0.017	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.0035	U	0.00091	0.0035	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0022	U	0.00063	0.0022	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0069	U	0.0030	0.0069	0.0086	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0022	U	0.00074	0.0022	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.0022	U	0.00069	0.0022	0.0043	mg/Kg
78-93-3	2-Butanone	0.017	U	0.0056	0.017	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.0022	U	0.00084	0.0022	0.0043	mg/Kg
594-20-7	2,2-Dichloropropane	0.0035	U	0.0011	0.0035	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0022	U	0.00065	0.0022	0.0043	mg/Kg
67-66-3	Chloroform	0.0035	U	0.00073	0.0035	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0022	U	0.00080	0.0022	0.0043	mg/Kg
563-58-6	1,1-Dichloropropene	0.0022	U	0.00075	0.0022	0.0043	mg/Kg
71-43-2	Benzene	0.0022	U	0.00068	0.0022	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.0022	U	0.00068	0.0022	0.0043	mg/Kg
79-01-6	Trichloroethene	0.0022	U	0.00070	0.0022	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.0022	U	0.00079	0.0022	0.0043	mg/Kg
74-95-3	Dibromomethane	0.0022	U	0.00077	0.0022	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.0022	U	0.00067	0.0022	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0031	0.011	0.022	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-26-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-17		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.1	
Sample Wt/Vol:	6.29	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021798.D	1		04/07/25 15:10	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0022	U	0.00067	0.0022	0.0043	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0022	U	0.00056	0.0022	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	0.00054	0.0022	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0022	U	0.00079	0.0022	0.0043	mg/Kg
142-28-9	1,3-Dichloropropane	0.0022	U	0.00059	0.0022	0.0043	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0032	0.011	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.0022	U	0.00075	0.0022	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.0022	U	0.00076	0.0022	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.0022	U	0.00091	0.0022	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.0022	U	0.00079	0.0022	0.0043	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0022	U	0.00066	0.0022	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.0022	U	0.00058	0.0022	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0043	U	0.0011	0.0043	0.0086	mg/Kg
1330-20-7	Total Xylenes	0.0065	U	0.0018	0.0065	0.013	mg/Kg
95-47-6	o-Xylene	0.0022	U	0.00071	0.0022	0.0043	mg/Kg
100-42-5	Styrene	0.0022	U	0.00061	0.0022	0.0043	mg/Kg
75-25-2	Bromoform	0.0022	U	0.00074	0.0022	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.0022	U	0.00067	0.0022	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	0.0010	0.0022	0.0043	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0035	U	0.0011	0.0035	0.0043	mg/Kg
108-86-1	Bromobenzene	0.0022	U	0.0010	0.0022	0.0043	mg/Kg
103-65-1	n-propylbenzene	0.0022	U	0.00063	0.0022	0.0043	mg/Kg
95-49-8	2-Chlorotoluene	0.0022	U	0.00059	0.0022	0.0043	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0022	U	0.00071	0.0022	0.0043	mg/Kg
106-43-4	4-Chlorotoluene	0.0022	U	0.0011	0.0022	0.0043	mg/Kg
98-06-6	tert-Butylbenzene	0.0022	U	0.00058	0.0022	0.0043	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0022	U	0.00055	0.0022	0.0043	mg/Kg
135-98-8	sec-Butylbenzene	0.0022	U	0.00057	0.0022	0.0043	mg/Kg
99-87-6	p-Isopropyltoluene	0.0022	U	0.00054	0.0022	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0022	U	0.0015	0.0022	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0022	U	0.0013	0.0022	0.0043	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-26-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	6.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021798.D	1		04/07/25 15:10	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0022	U	0.0013	0.0022	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0022	U	0.0013	0.0022	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0035	U	0.0016	0.0035	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0035	U	0.0026	0.0035	0.0043	mg/Kg
87-68-3	Hexachlorobutadiene	0.0022	U	0.0016	0.0022	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0035	U	0.0027	0.0035	0.0043	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0022	U	0.00091	0.0022	0.0043	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	7.713				
540-36-3	1,4-Difluorobenzene	308000	8.616				
3114-55-4	Chlorobenzene-d5	258000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352				

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\VY040725\
Data File : VY021798.D
Acq On : 07 Apr 2025 15:10
Operator : SY/MD
Sample : Q1730-17
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Quant Time: Apr 08 03:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

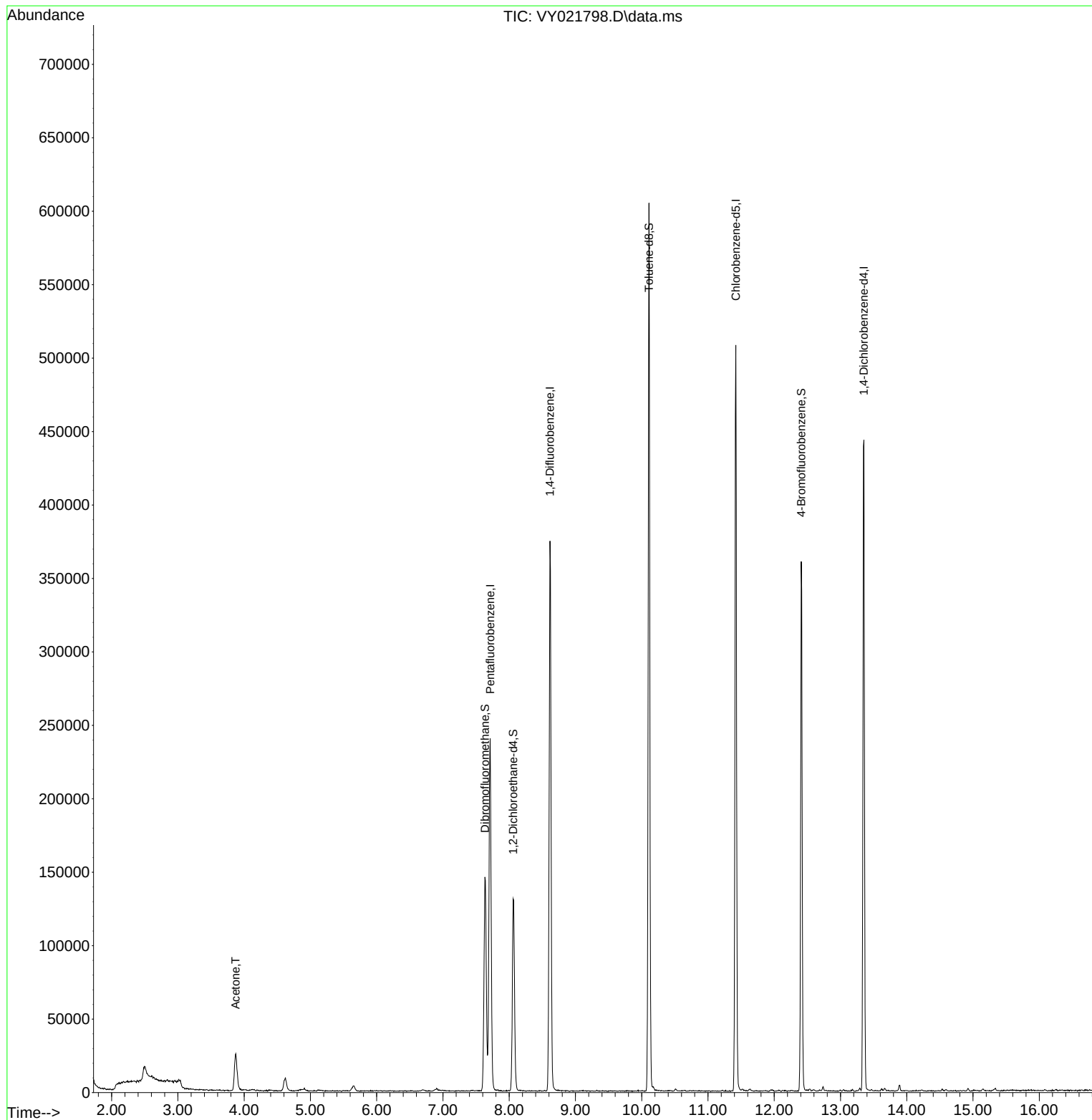
Internal Standards						
1) Pentafluorobenzene	7.713	168	178880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	258255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	113263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107247	55.336	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.680%
35) Dibromofluoromethane	7.634	113	103916	52.088	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.180%
50) Toluene-d8	10.109	98	374466	49.339	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.408	95	107009	41.684	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.360%
Target Compounds						Qvalue
16) Acetone	3.872	43	46046	116.086	ug/l	97

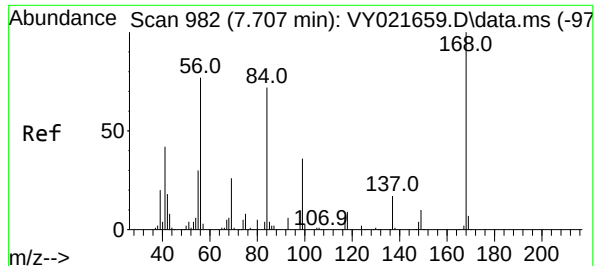
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021798.D
Acq On : 07 Apr 2025 15:10
Operator : SY/MD
Sample : Q1730-17
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Quant Time: Apr 08 03:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

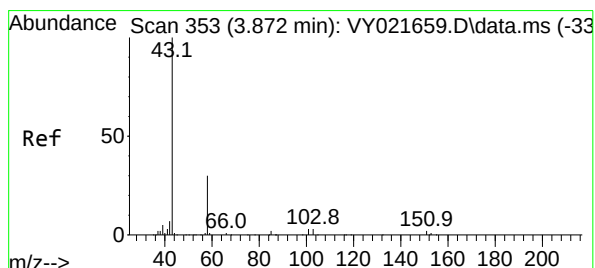
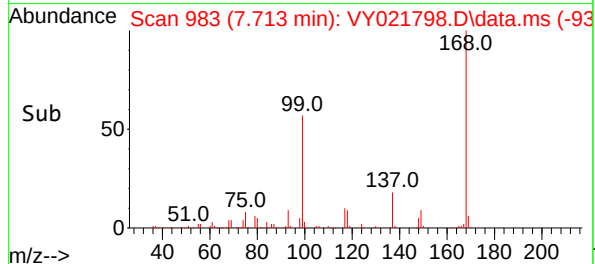
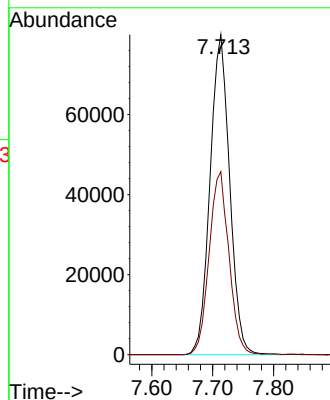
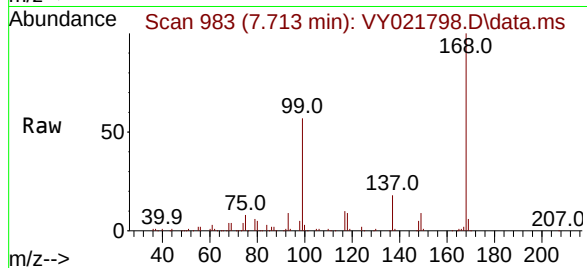




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

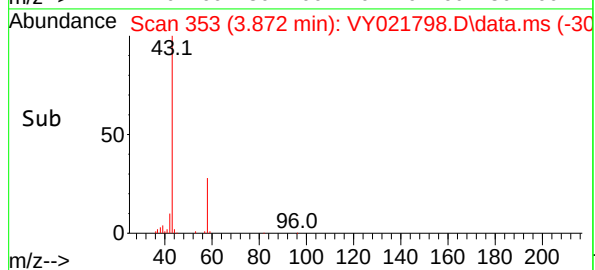
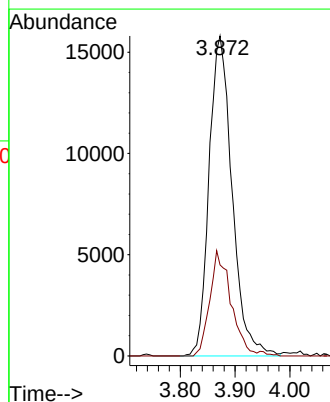
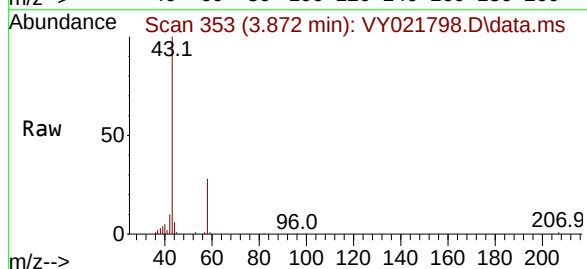
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

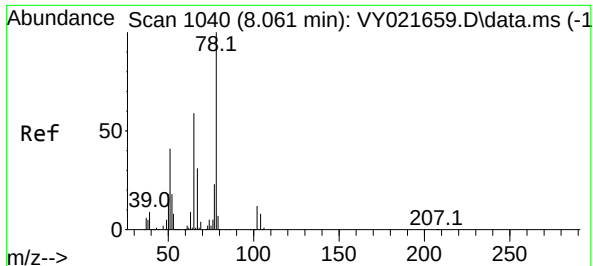
Tgt Ion:168 Resp: 178880
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1



#16
Acetone
Concen: 116.086 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Tgt Ion: 43 Resp: 46046
Ion Ratio Lower Upper
43 100
58 28.5 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 55.336 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021798.D

Acq: 07 Apr 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

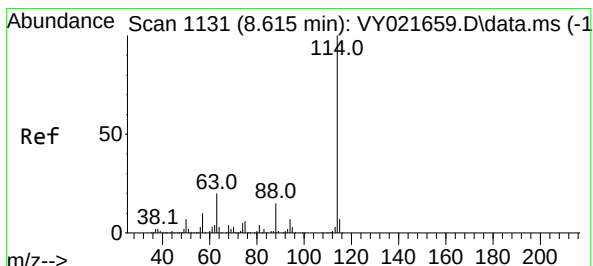
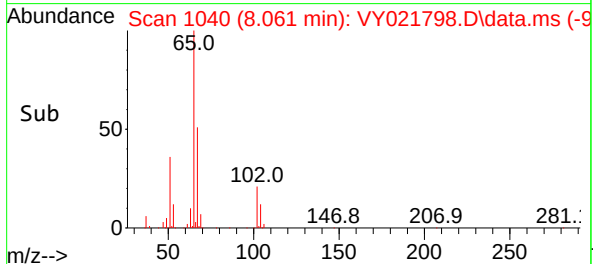
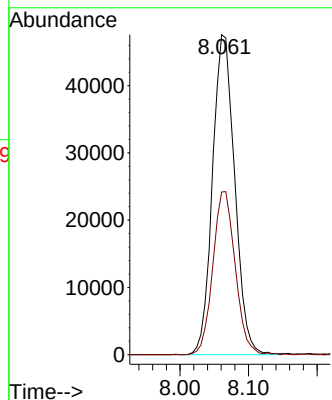
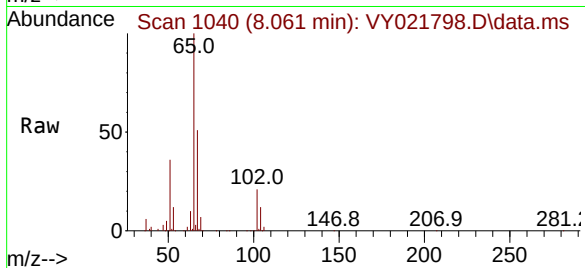
OU4-PCS-TC-26-040325

Tgt Ion: 65 Resp: 107247

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021798.D

Acq: 07 Apr 2025 15:10

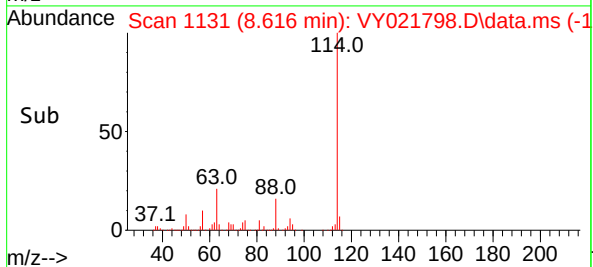
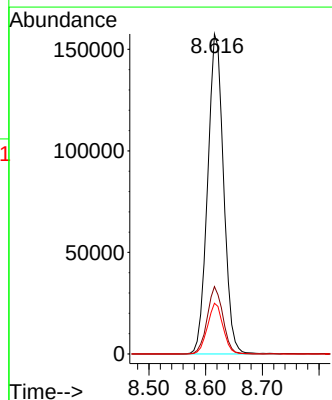
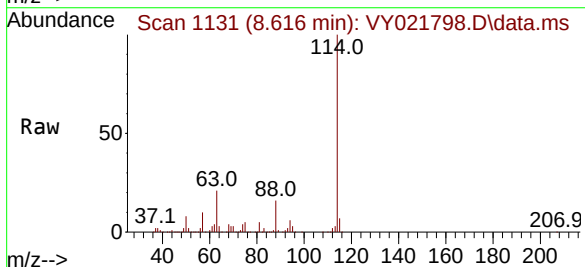
Tgt Ion: 114 Resp: 307549

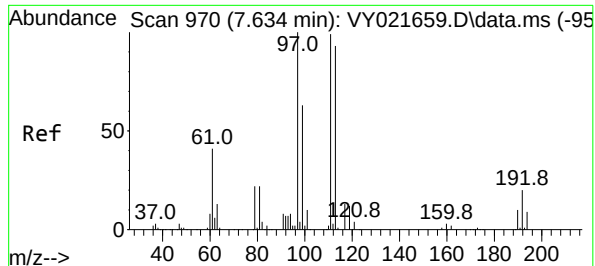
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.088 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021798.D

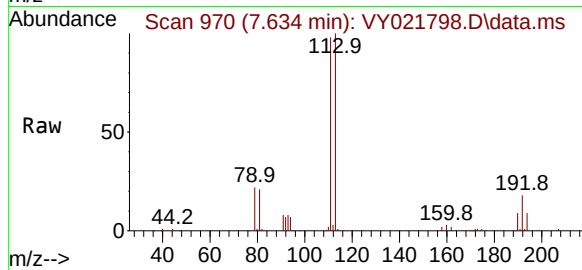
Acq: 07 Apr 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-26-040325



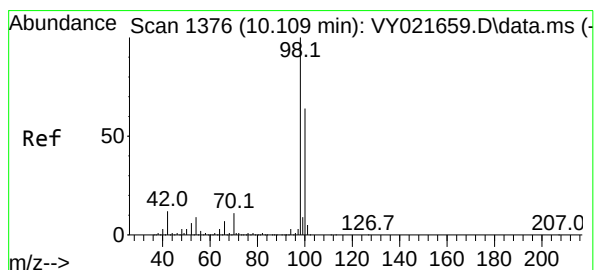
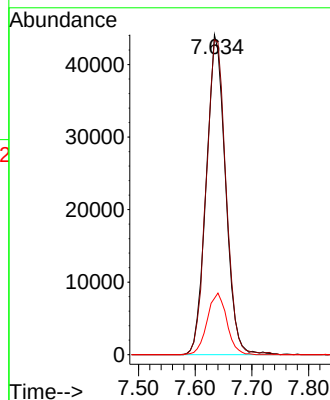
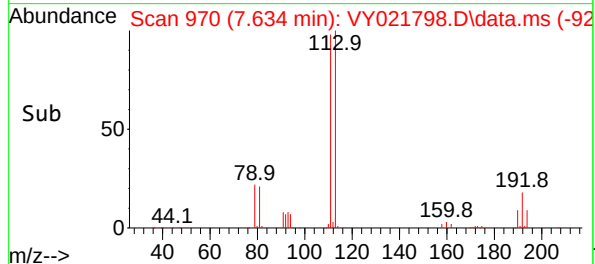
Tgt Ion:113 Resp: 103916

Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

192 19.6 16.2 24.4



#50

Toluene-d8

Concen: 49.339 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021798.D

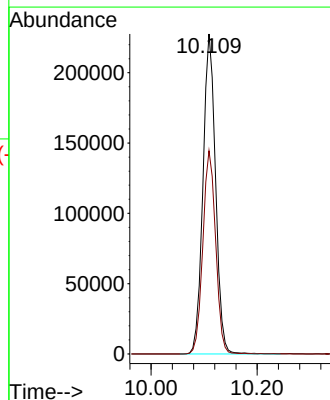
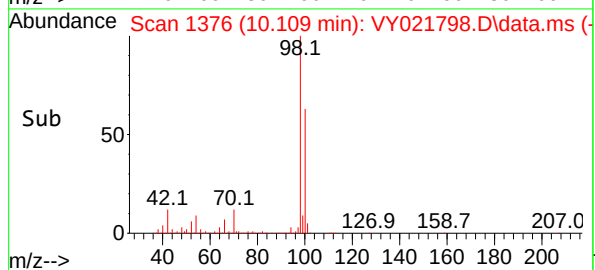
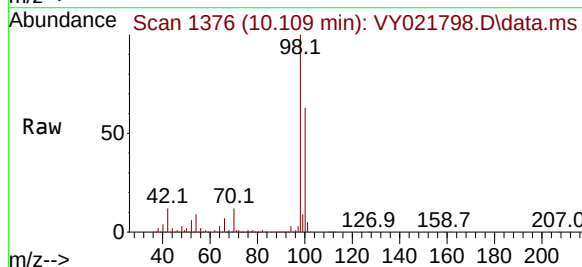
Acq: 07 Apr 2025 15:10

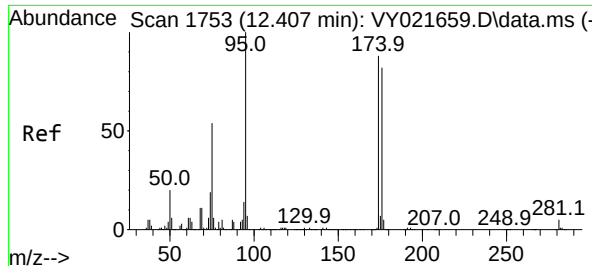
Tgt Ion: 98 Resp: 374466

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 41.684 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021798.D

Acq: 07 Apr 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-26-040325

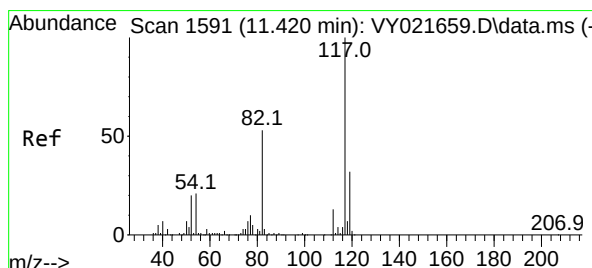
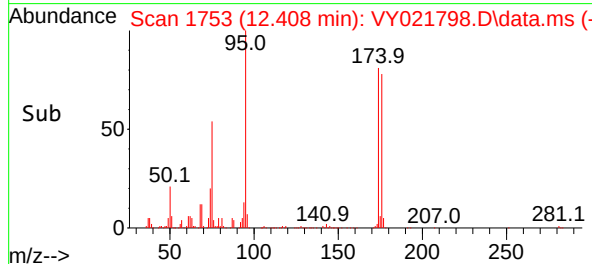
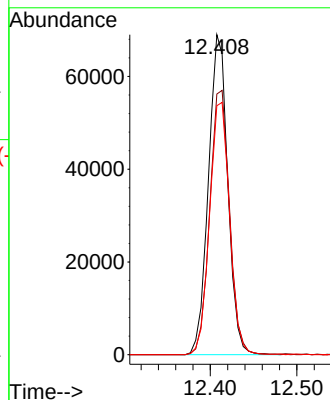
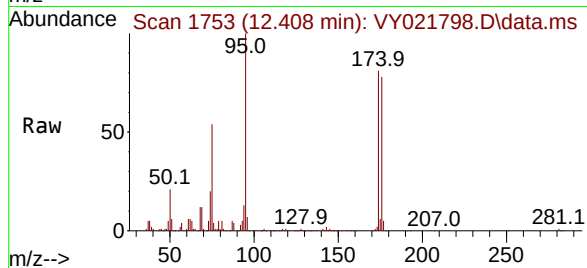
Tgt Ion: 95 Resp: 107009

Ion Ratio Lower Upper

95 100

174 84.6 0.0 170.8

176 81.8 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021798.D

Acq: 07 Apr 2025 15:10

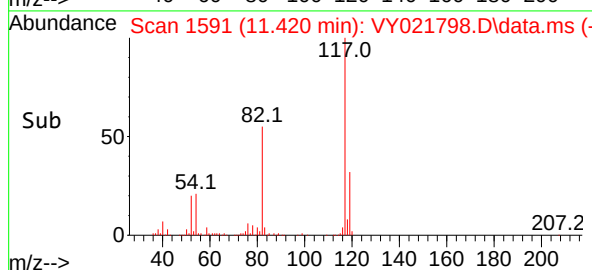
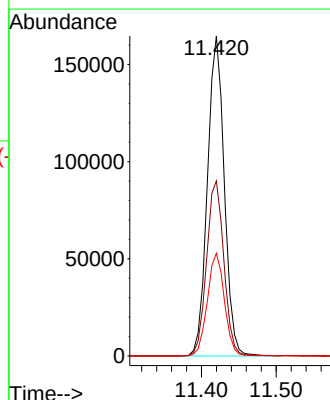
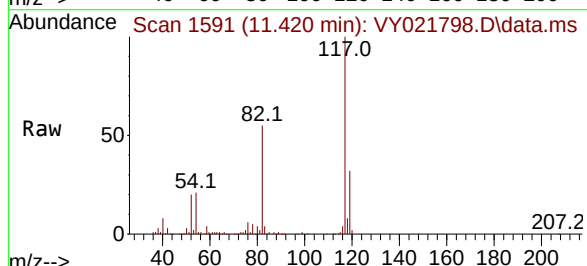
Tgt Ion: 117 Resp: 258255

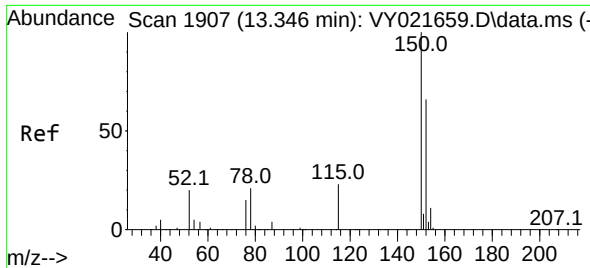
Ion Ratio Lower Upper

117 100

82 54.7 42.8 64.2

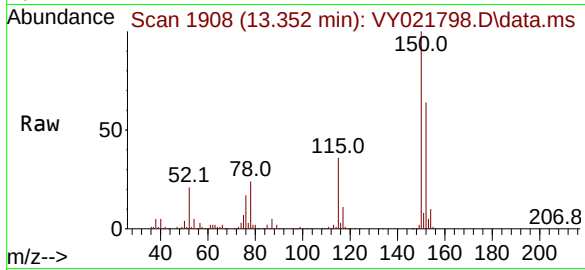
119 32.1 25.7 38.5



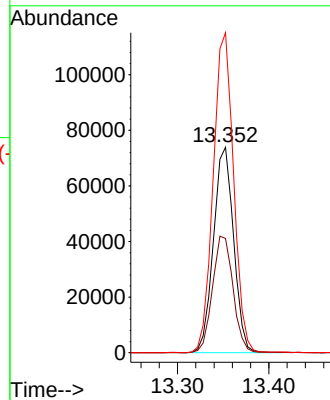
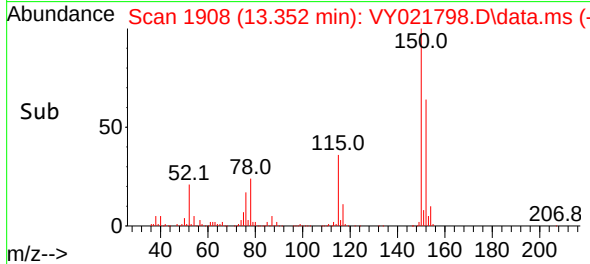


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325



Tgt Ion:152 Resp: 113263
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 157.0 0.0 348.4



Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-CF-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.9
Sample Wt/Vol:	5.48	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021799.D	1		04/07/25 15:32	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0011	0.0039	0.0049	mg/Kg
74-87-3	Chloromethane	0.0024	U	0.0011	0.0024	0.0049	mg/Kg
75-01-4	Vinyl Chloride	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
75-00-3	Chloroethane	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0045	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00097	0.0024	0.0049	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0048	0.012	0.024	mg/Kg
67-64-1	Acetone	0.017	J	0.0046	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00071	0.0024	0.0049	mg/Kg
75-09-2	Methylene Chloride	0.0078	U	0.0034	0.0078	0.0097	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00084	0.0024	0.0049	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00078	0.0024	0.0049	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0064	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00094	0.0024	0.0049	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00073	0.0024	0.0049	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00082	0.0039	0.0049	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00090	0.0024	0.0049	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00085	0.0024	0.0049	mg/Kg
71-43-2	Benzene	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00079	0.0024	0.0049	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00088	0.0024	0.0049	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00086	0.0024	0.0049	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0035	0.012	0.024	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-CF-15-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-19		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	93.9	
Sample Wt/Vol:	5.48	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021799.D	1		04/07/25 15:32	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00063	0.0024	0.0049	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00089	0.0024	0.0049	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00066	0.0024	0.0049	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0036	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00085	0.0024	0.0049	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00086	0.0024	0.0049	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00088	0.0024	0.0049	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00075	0.0024	0.0049	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
179601-23-1	m/p-Xylenes	0.0049	U	0.0012	0.0049	0.0097	mg/Kg
1330-20-7	Total Xylenes	0.0073	U	0.0020	0.0073	0.015	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00080	0.0024	0.0049	mg/Kg
100-42-5	Styrene	0.0024	U	0.00069	0.0024	0.0049	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00084	0.0024	0.0049	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00071	0.0024	0.0049	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00066	0.0024	0.0049	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00080	0.0024	0.0049	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00064	0.0024	0.0049	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.0017	0.0024	0.0049	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.0015	0.0024	0.0049	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-CF-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.9
Sample Wt/Vol:	5.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021799.D	1		04/07/25 15:32	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.0014	0.0024	0.0049	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.0014	0.0024	0.0049	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	U	0.0018	0.0039	0.0049	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0039	U	0.0029	0.0039	0.0049	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.0018	0.0024	0.0049	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0039	U	0.0031	0.0039	0.0049	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.8		71 - 136		126%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	51.9		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	7.707				
540-36-3	1,4-Difluorobenzene	278000	8.616				
3114-55-4	Chlorobenzene-d5	243000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.347				

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\VY040725\
Data File : VY021799.D
Acq On : 07 Apr 2025 15:32
Operator : SY/MD
Sample : Q1730-19
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Quant Time: Apr 08 03:34:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

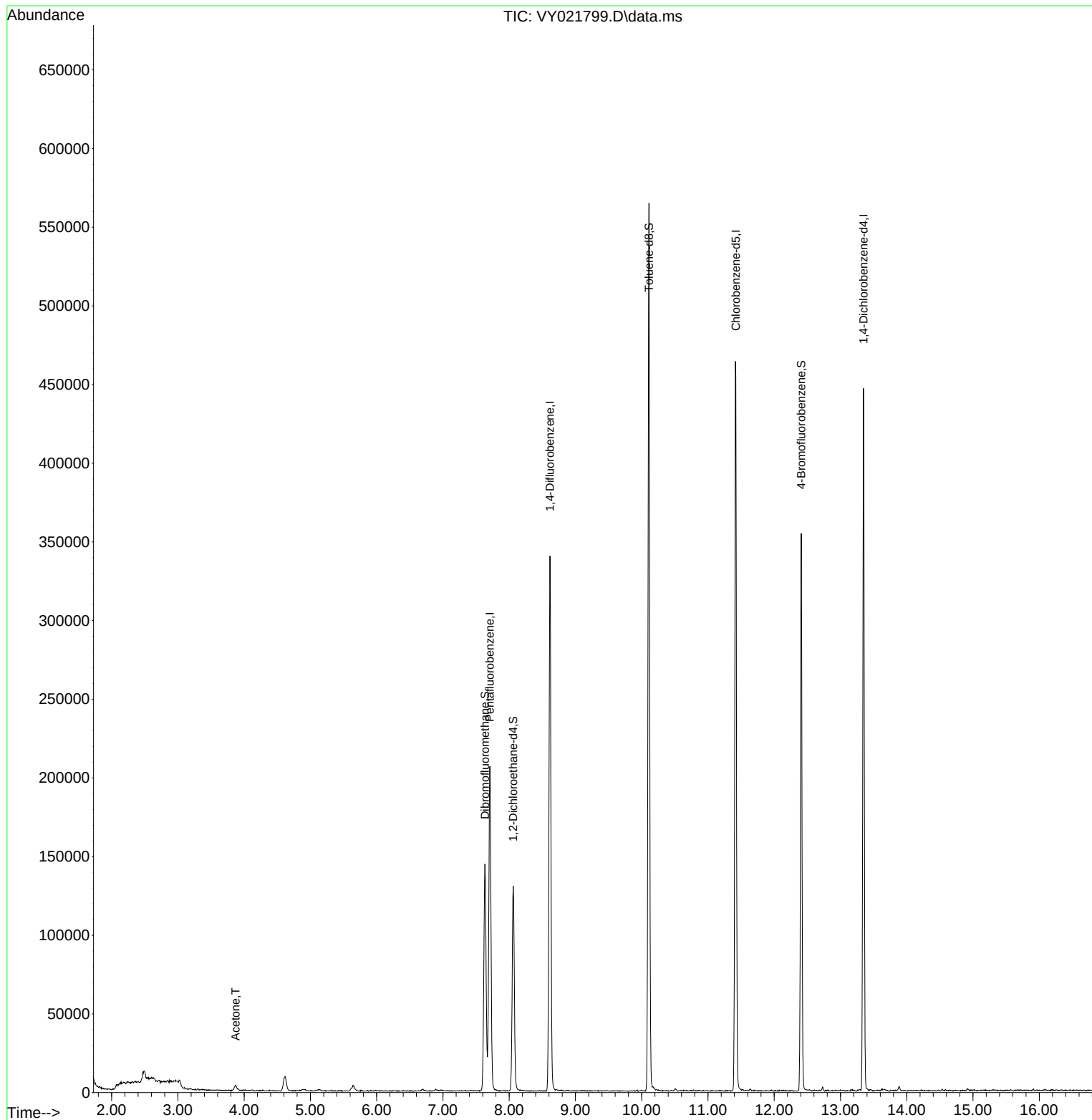
Internal Standards						
1) Pentafluorobenzene	7.707	168	155604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	277750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	243254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105846	62.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.560%	
35) Dibromofluoromethane	7.634	113	100831	55.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.920%	
50) Toluene-d8	10.109	98	355519	51.868	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.408	95	104888	45.241	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.480%	
Target Compounds						
16) Acetone	3.873	43	6057	17.554	ug/l	Qvalue # 85

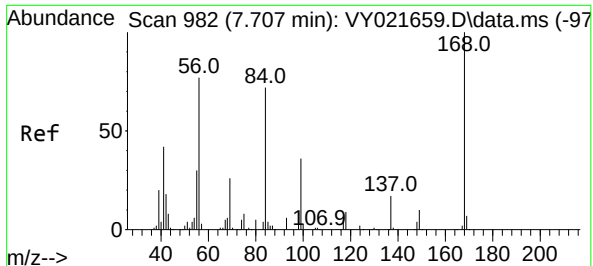
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021799.D
Acq On : 07 Apr 2025 15:32
Operator : SY/MD
Sample : Q1730-19
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Quant Time: Apr 08 03:34:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

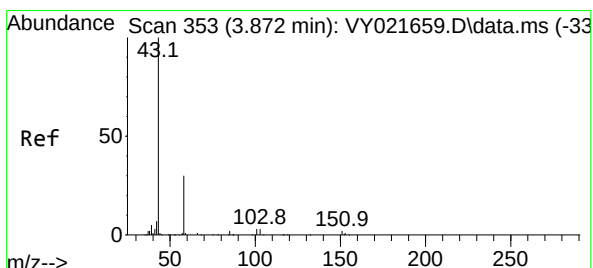
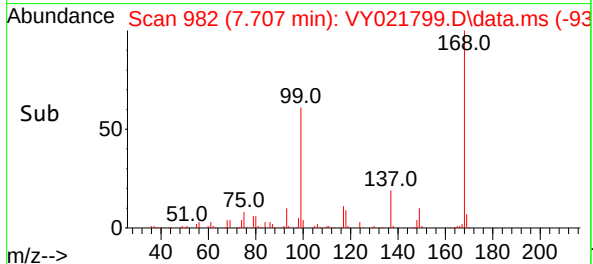
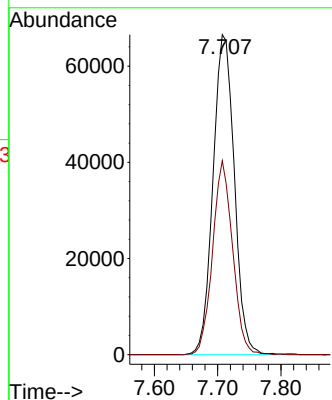
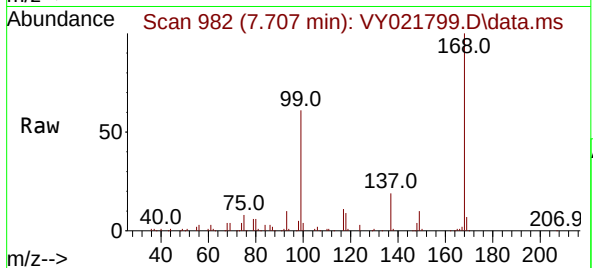




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

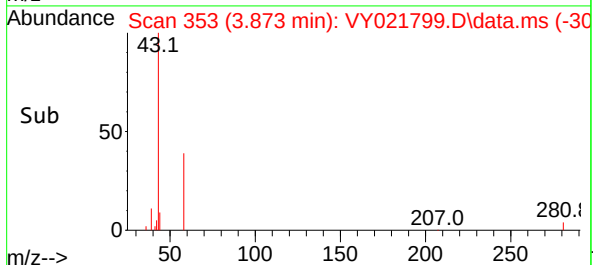
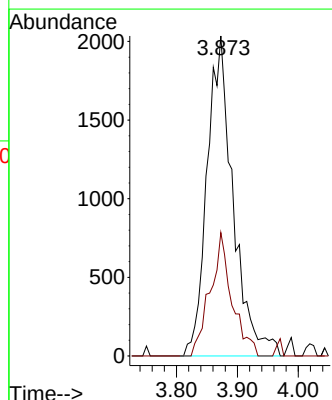
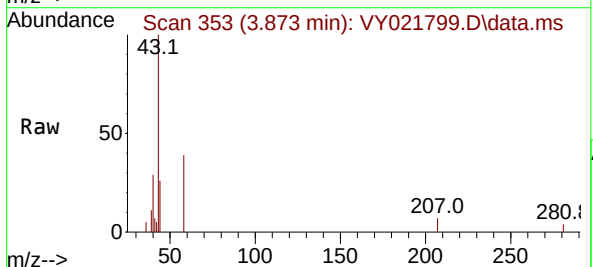
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

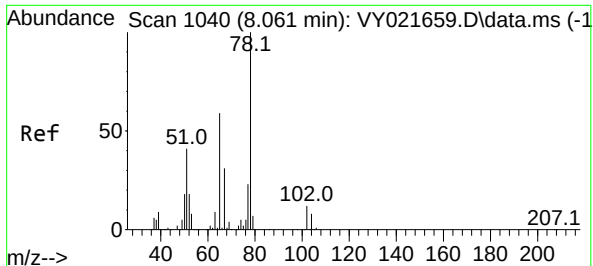
Tgt Ion:168 Resp: 155604
Ion Ratio Lower Upper
168 100
99 60.6 46.7 70.1



#16
Acetone
Concen: 17.554 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 43 Resp: 6057
Ion Ratio Lower Upper
43 100
58 38.6 24.2 36.4#





#33

1,2-Dichloroethane-d4

Concen: 62.782 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

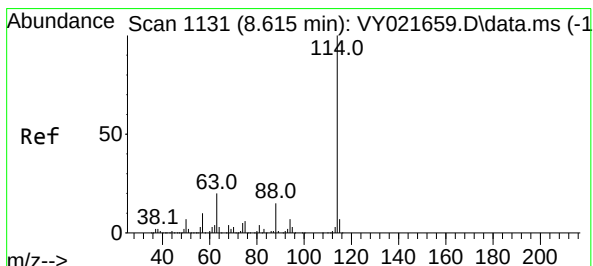
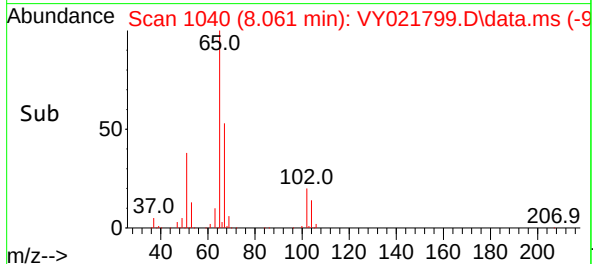
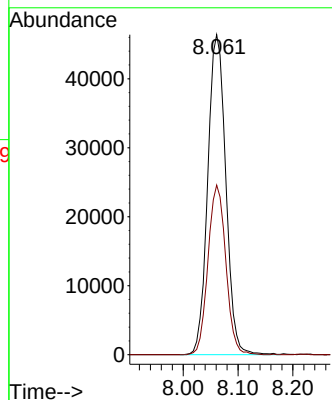
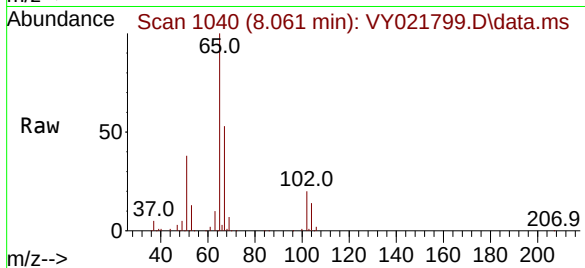
OU4-CF-15-040325

Tgt Ion: 65 Resp: 105846

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

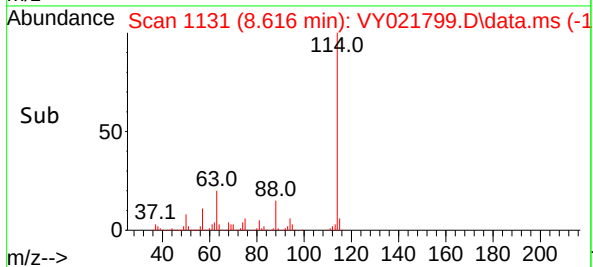
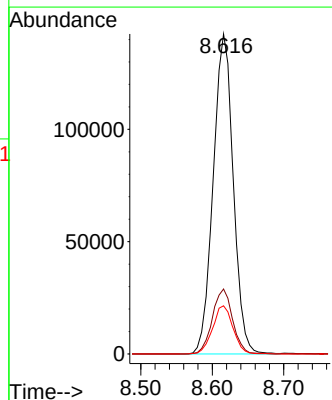
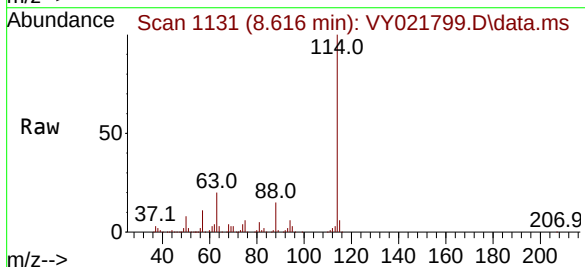
Tgt Ion: 114 Resp: 277750

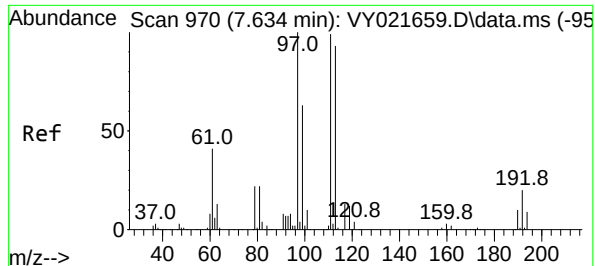
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 55.964 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-040325

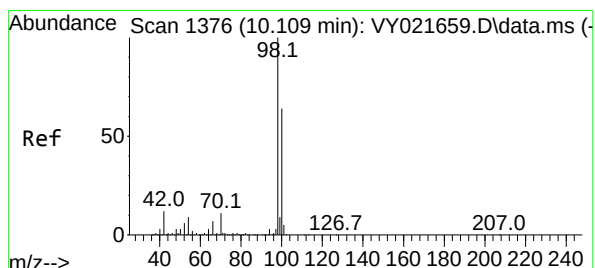
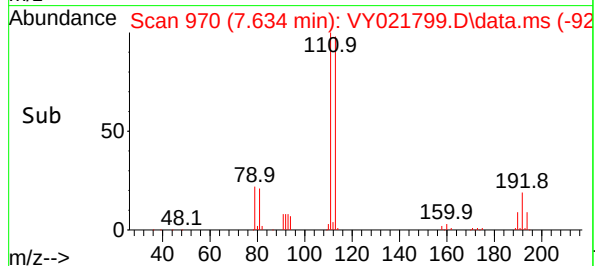
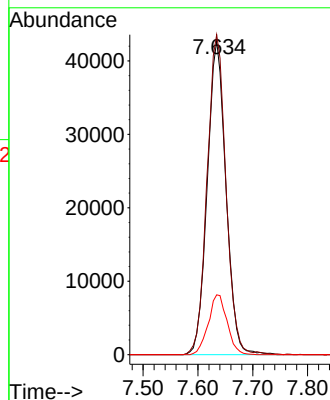
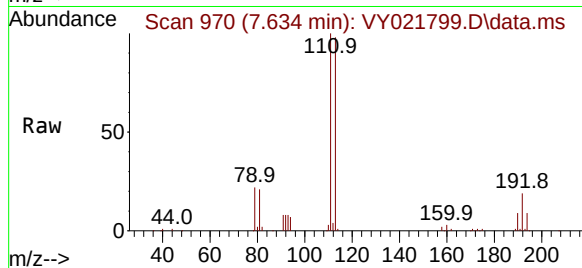
Tgt Ion:113 Resp: 100831

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 19.3 16.2 24.4



#50

Toluene-d8

Concen: 51.868 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021799.D

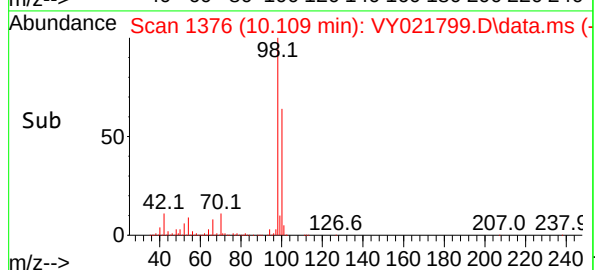
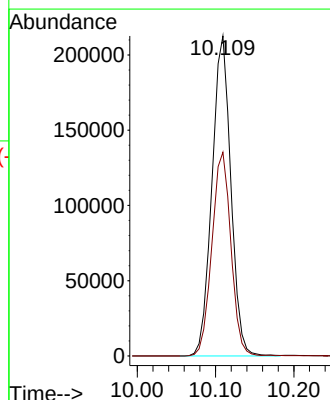
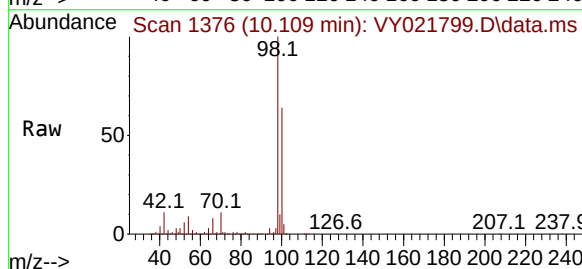
Acq: 07 Apr 2025 15:32

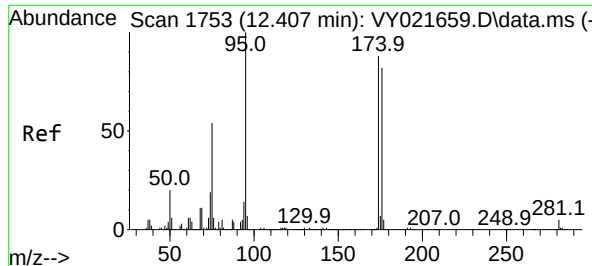
Tgt Ion: 98 Resp: 355519

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 45.241 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-040325

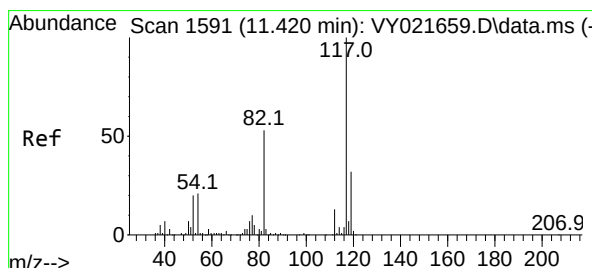
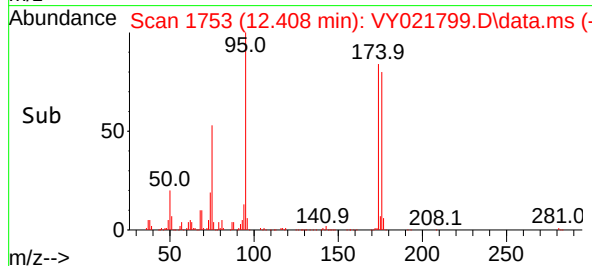
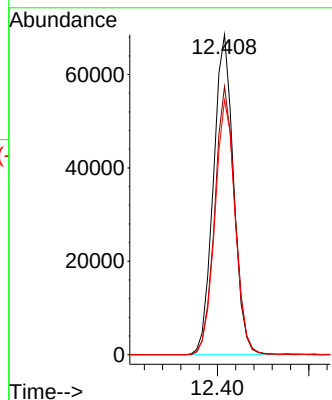
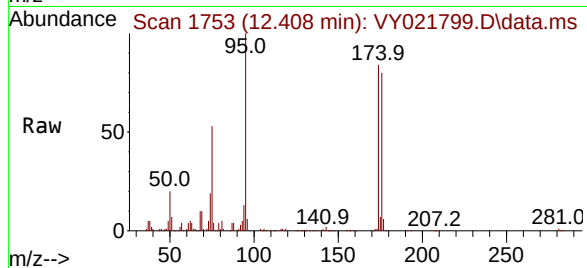
Tgt Ion: 95 Resp: 104888

Ion Ratio Lower Upper

95 100

174 84.0 0.0 170.8

176 80.2 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

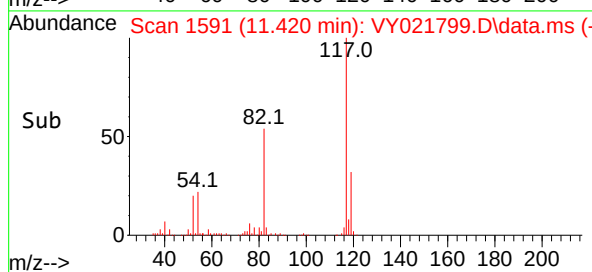
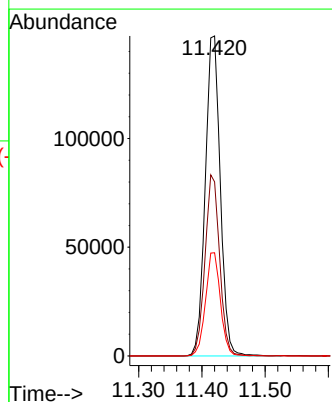
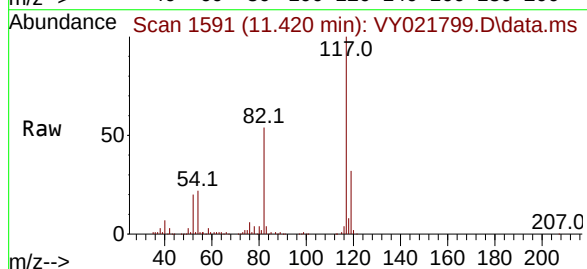
Tgt Ion: 117 Resp: 243254

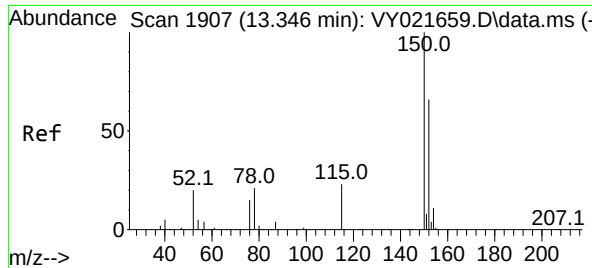
Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021799.D

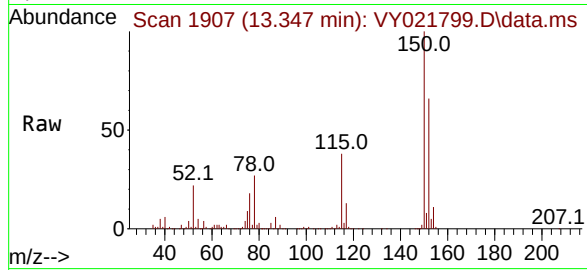
Acq: 07 Apr 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-040325



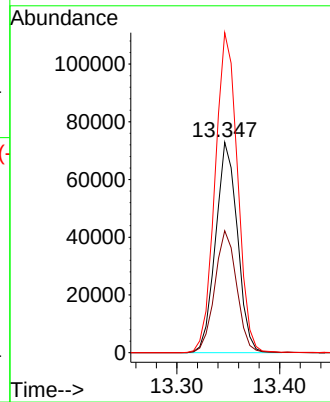
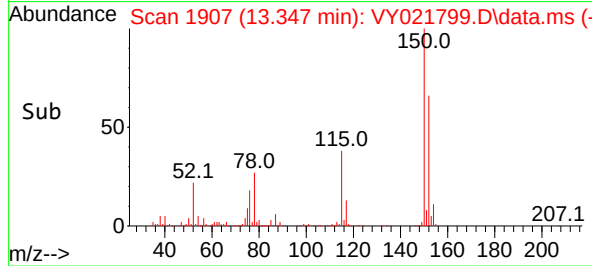
Tgt Ion:152 Resp: 107208

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.9 0.0 348.4





CALIBRATION SUMMARY

1
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730
 Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY021656.D	RRF010 = VY021657.D	RRF020 = VY021658.D	RRF050 = VY021659.D	RRF100 = VY021660.D	RRF150 = VY021661.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.1
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.5
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
2,2-Dichloropropane	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.6
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
1,1-Dichloropropene	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.6
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730
 Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY021656.D	RRF010 = VY021657.D	RRF020 = VY021658.D	RRF050 = VY021659.D	RRF100 = VY021660.D	RRF150 = VY021661.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
1,3-Dichloropropane	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.8
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
1,1,1,2-Tetrachloroethane	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.7
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,2,3-Trichloropropane	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.5
Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.7
n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.8
2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	2
1,3,5-Trimethylbenzene	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3
4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.4
tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.5
1,2,4-Trimethylbenzene	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.3
sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.8
p-Isopropyltoluene	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.2
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730
 Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021656.D		RRF010 = VY021657.D		RRF020 = VY021658.D			
		RRF050 = VY021659.D		RRF100 = VY021660.D		RRF150 = VY021661.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.1	
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9	
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6	
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6	
Hexachlorobutadiene	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.5	
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1	
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5	
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7	
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1	
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6	
trans-1,4-Dichloro-2-butene	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.1	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032725S.M
 Title : SW846 8260
 Last Update : Fri Mar 28 02:30:29 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3) P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4) C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5) T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6) T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7) T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8) T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9) T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10) T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11) T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12) CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13) T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14) T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15) T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16) T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17) T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18) T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19) T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20) T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21) T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22) T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23) T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24) P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25) T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26) T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27) T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28) T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29) T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30) C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31) T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32) T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33) S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36) T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37) T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38) T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39) T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40) TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41) T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42) TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43) T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44) TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45) C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46) T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47) T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48) T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50) S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51) T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52) CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53) T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54) T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55) T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56) T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

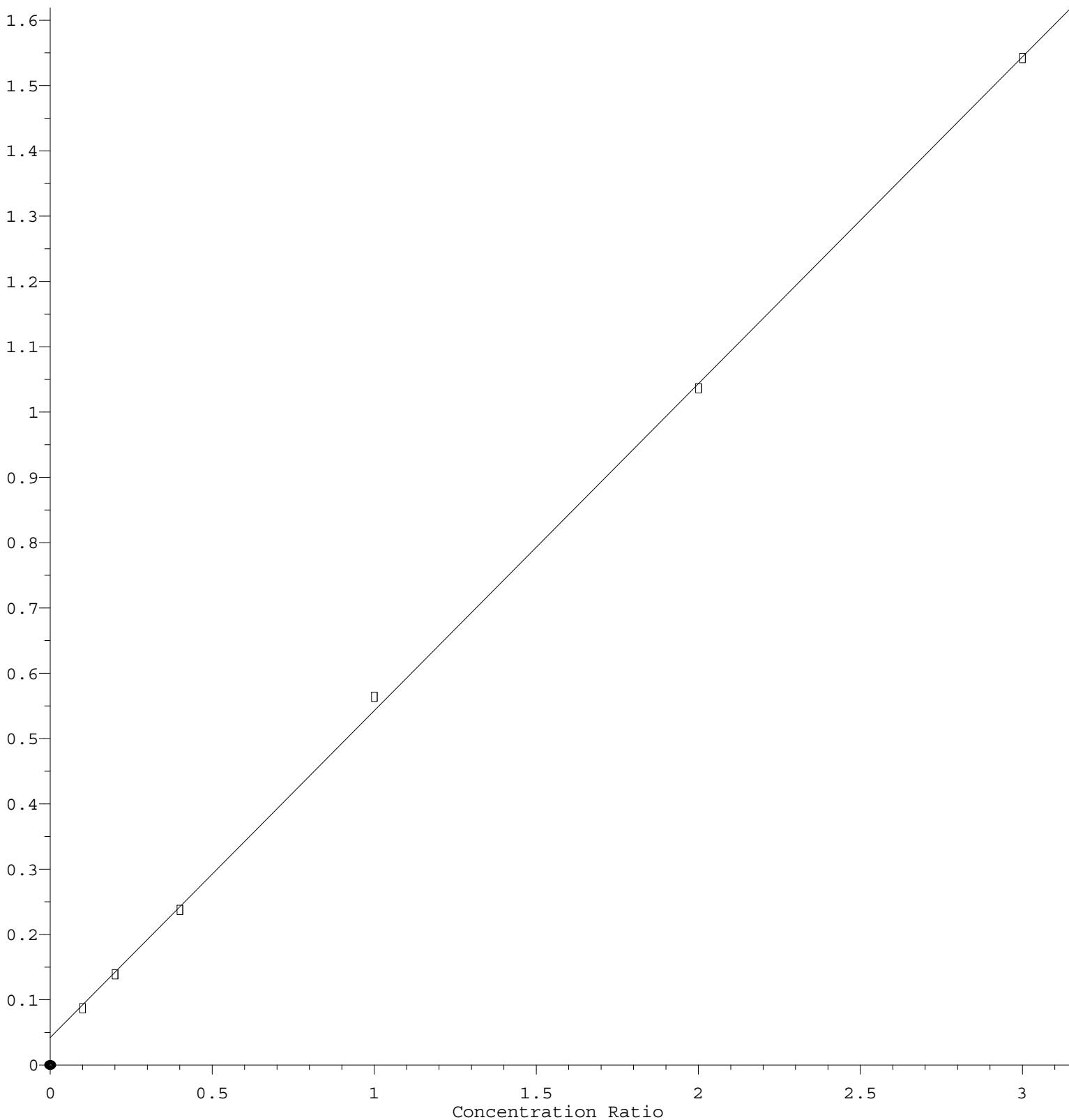
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032725S.M

57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range

Methylene Chloride

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021656.D
 Acq On : 27 Mar 2025 10:08
 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 :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#		
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#		
50) Toluene-d8	10.109	98	44774	5.177	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#		
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l	98
3) Chloromethane	2.074	50	19017	6.010	ug/l	90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l	93
5) Bromomethane	2.598	94	15395	6.308	ug/l	99
6) Chloroethane	2.733	64	13977	5.969	ug/l	99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l	98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l	98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l	98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l	92
13) Acrolein	3.653	56	7499	26.881	ug/l	93
14) Allyl chloride	4.385	41	19469	5.362	ug/l	97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l #	88
16) Acetone	3.873	43	15736	32.687	ug/l	100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l	99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l	100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l	95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l	95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l	98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l #	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l	96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l	99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l	99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l	99
30) Chloroform	7.421	83	26819	5.662	ug/l	95
31) Cyclohexane	7.707	56	25394	6.117	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l	97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l	99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l #	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l	95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l	97
40) Benzene	8.079	78	56287	5.427	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021656.D
 Acq On : 27 Mar 2025 10:08
 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 :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4688m	5.402	ug/l	
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l	98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l	97
44) Trichloroethene	8.866	130	14453	5.470	ug/l	98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l	99
46) Dibromomethane	9.231	93	7882	5.571	ug/l	97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l	92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l	96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l	97
52) Toluene	10.176	92	32954	5.093	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l	94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l	93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l	98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l	92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l	99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l	100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l	93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l	97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l	98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l	97
69) o-Xylene	11.956	106	20041	4.786	ug/l	98
70) Styrene	11.975	104	32075	4.594	ug/l	99
71) Bromoform	12.133	173	7253	5.187	ug/l #	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l	99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	7373m	5.106	ug/l	
77) Bromobenzene	12.536	156	13783	5.305	ug/l	97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l	100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l	88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l	100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l	99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l	100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l	94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l	96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l	97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l	96
95) Naphthalene	15.151	128	16796	4.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

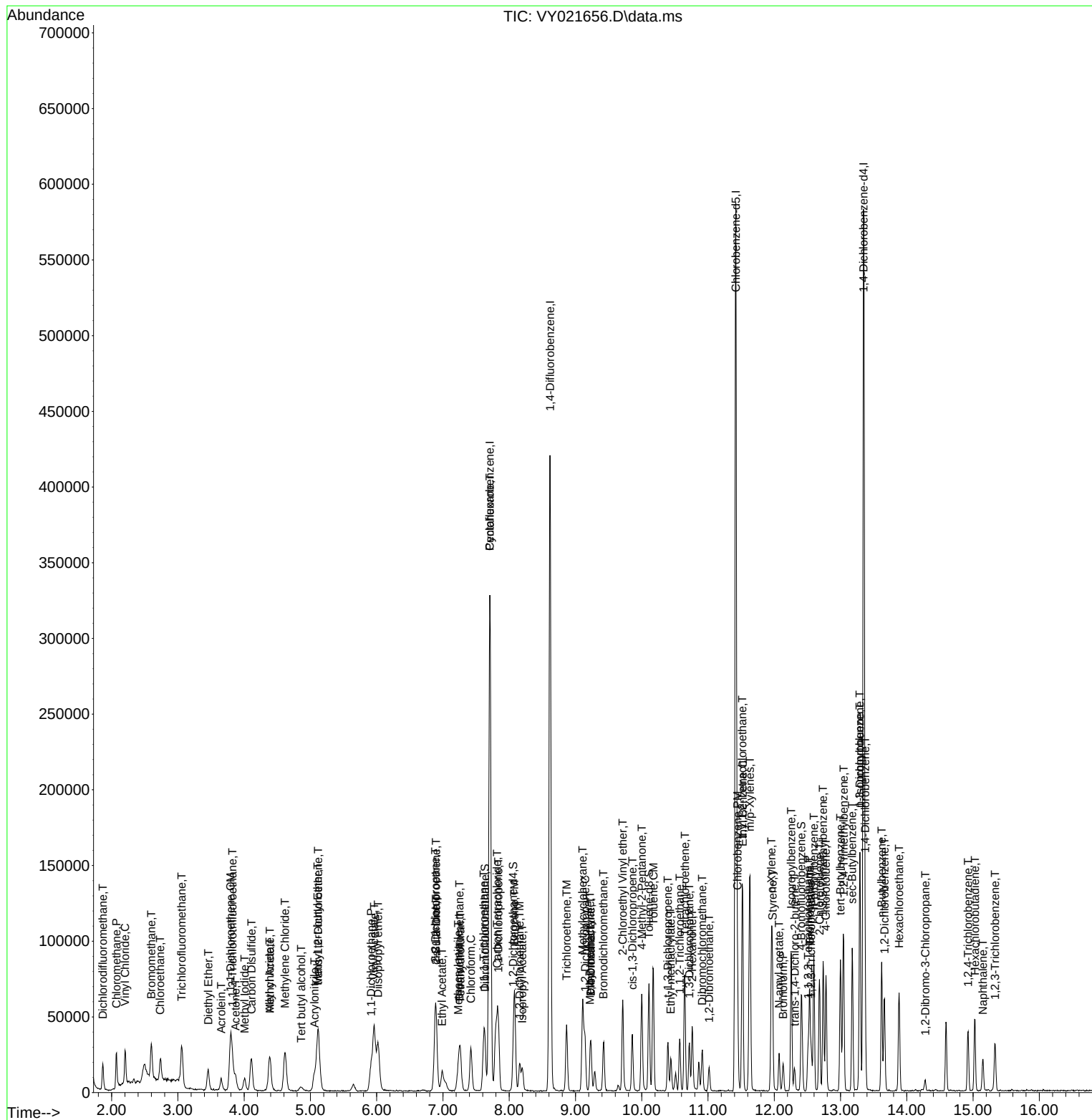
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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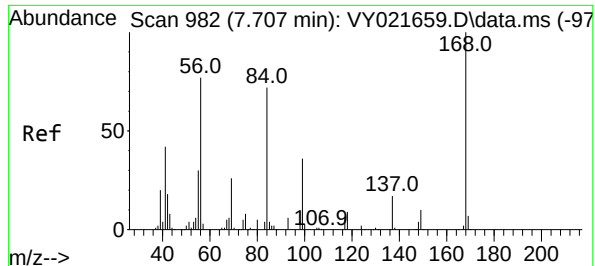
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025





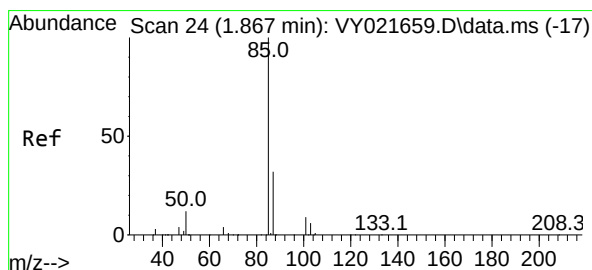
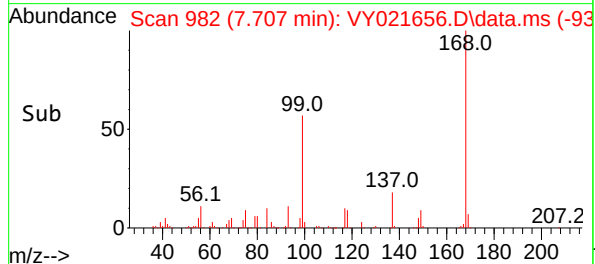
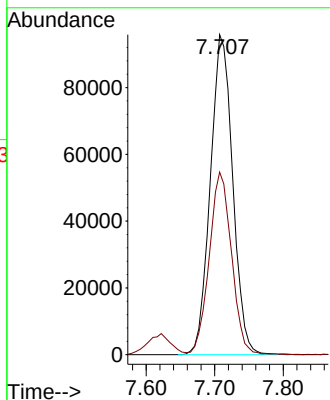
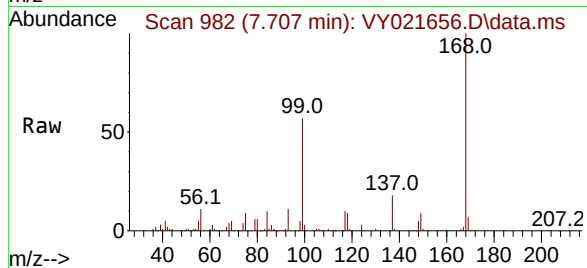
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 168 Resp: 21710
Ion Ratio Lower Upper
168 100
99 56.8 46.7 70.1

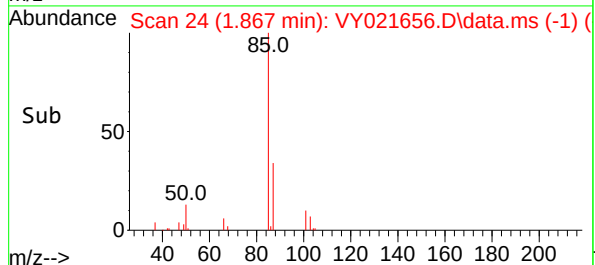
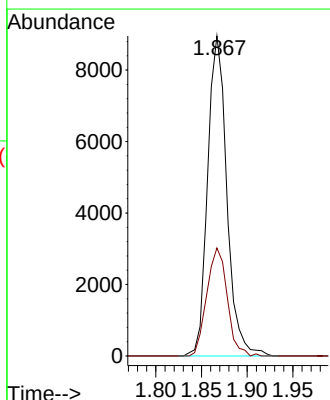
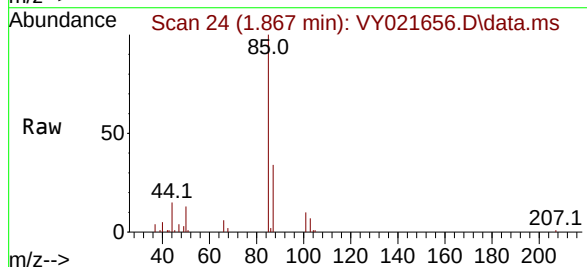
Manual Integrations
APPROVED

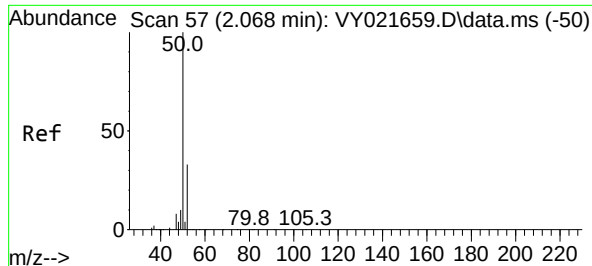
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 5.806 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 85 Resp: 13065
Ion Ratio Lower Upper
85 100
87 33.7 16.2 48.6





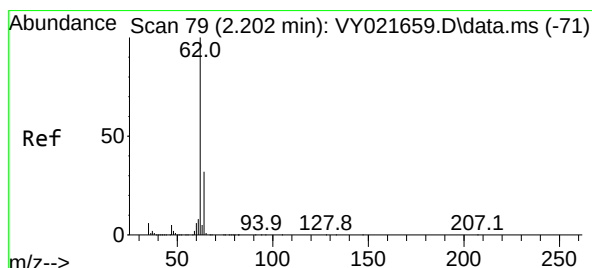
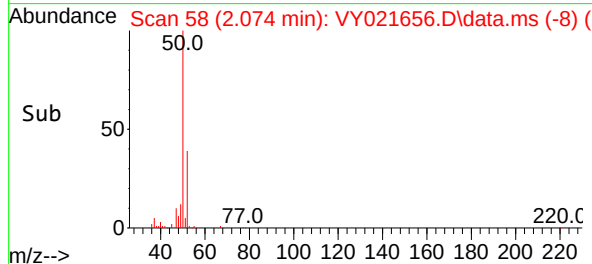
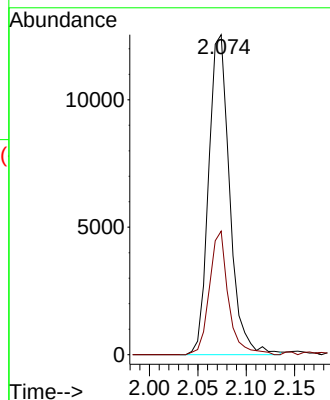
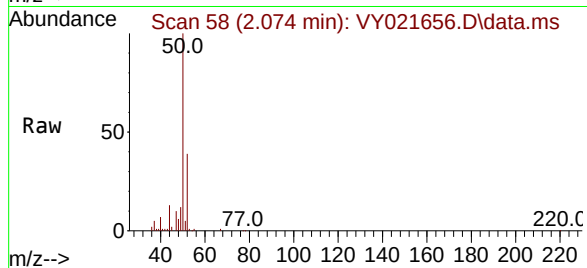
#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1901
Ion Ratio Lower Upper
50 100
52 38.6 26.3 39.5

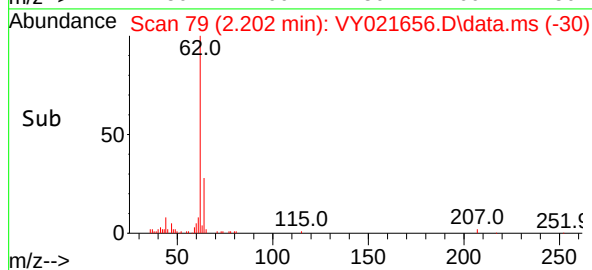
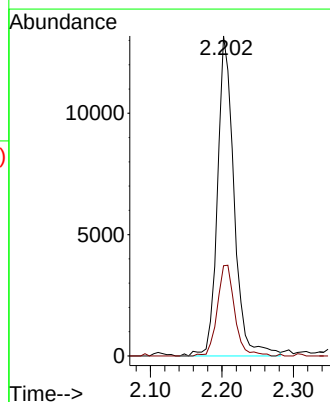
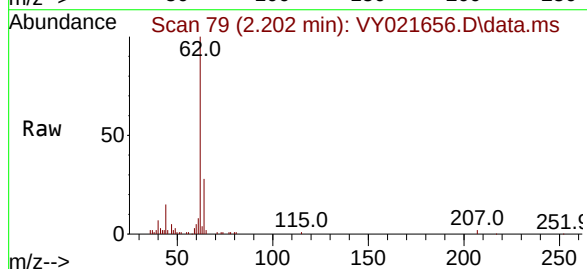
Manual Integrations
APPROVED

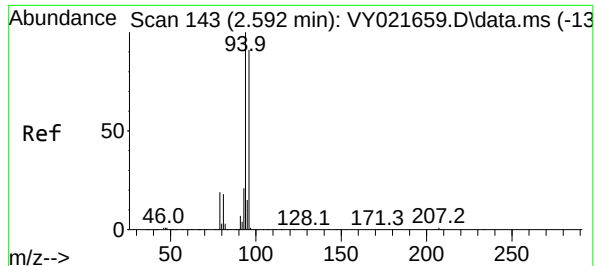
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 5.928 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

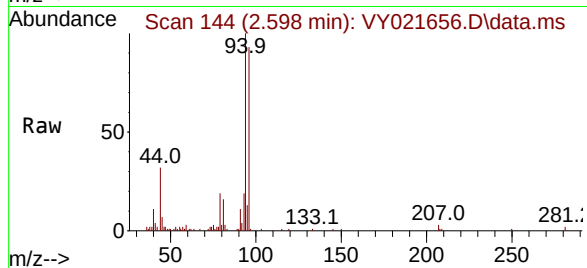
Tgt Ion: 62 Resp: 21214
Ion Ratio Lower Upper
62 100
64 28.2 25.5 38.3





#5
Bromomethane
Concen: 6.308 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

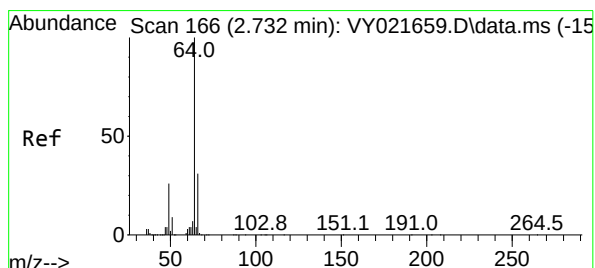
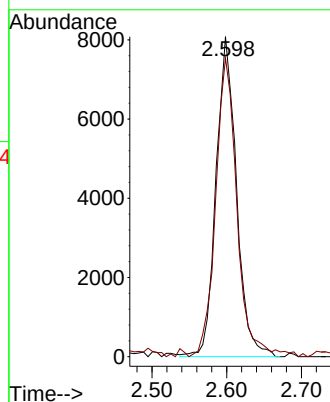
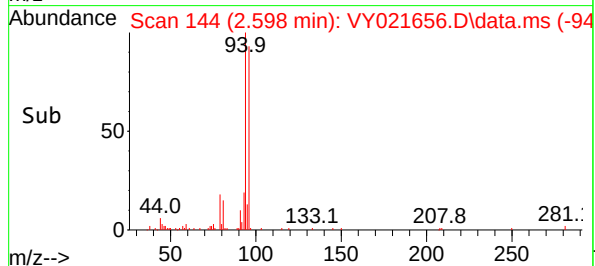
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



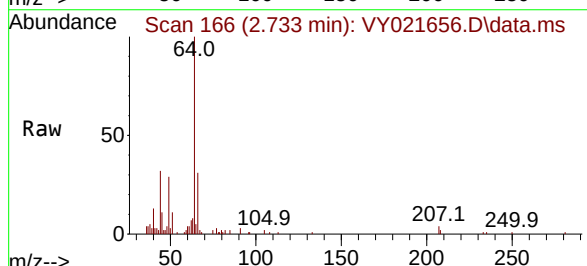
Tgt Ion: 94 Resp: 1539
Ion Ratio Lower Upper
94 100
96 91.8 72.8 109.2

Manual Integrations
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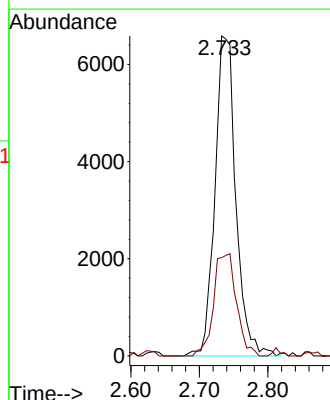
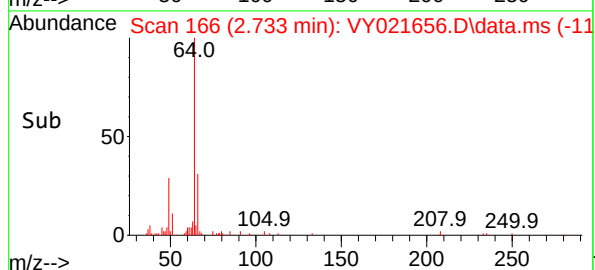
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

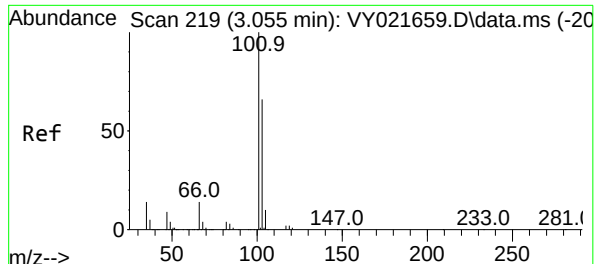


#6
Chloroethane
Concen: 5.969 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



Tgt Ion: 64 Resp: 13977
Ion Ratio Lower Upper
64 100
66 30.7 24.9 37.3





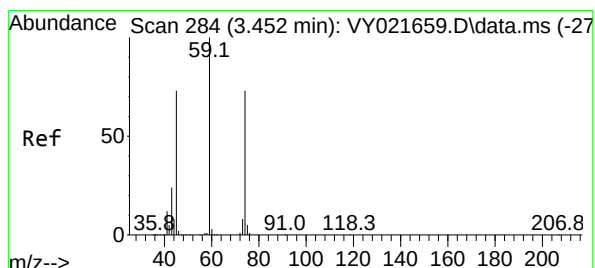
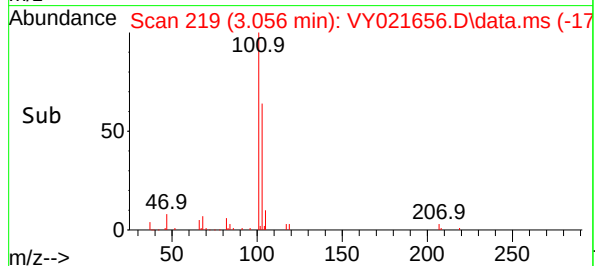
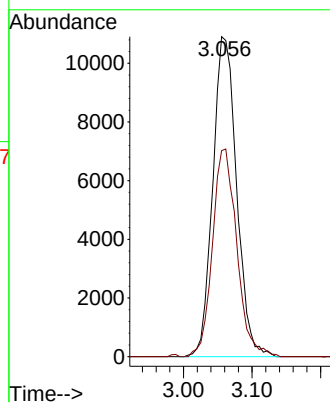
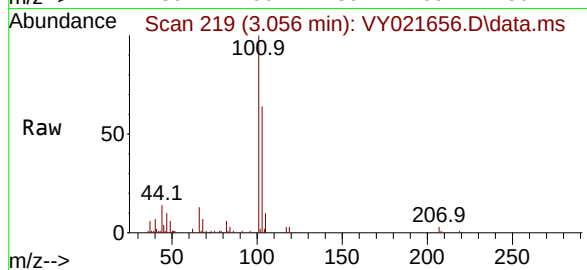
#7
Trichlorofluoromethane
Concen: 5.740 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 2631
Ion Ratio Lower Upper
101 100
103 64.4 53.1 79.7

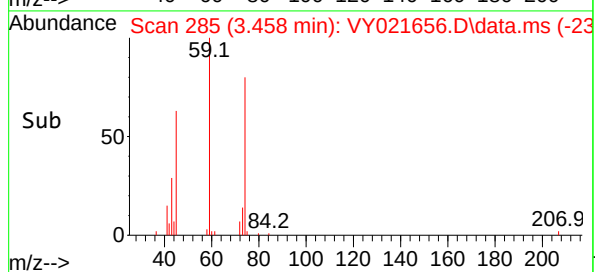
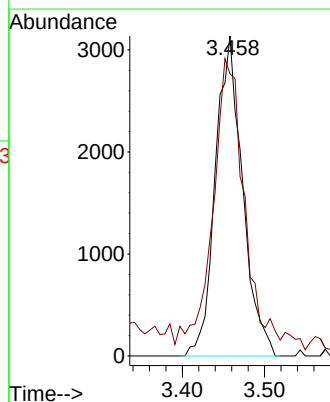
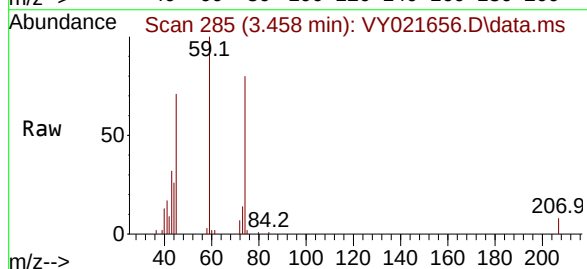
Manual Integrations
APPROVED

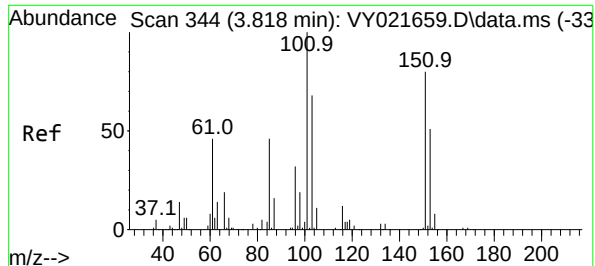
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 5.786 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 74 Resp: 7213
Ion Ratio Lower Upper
74 100
45 99.4 48.6 145.8





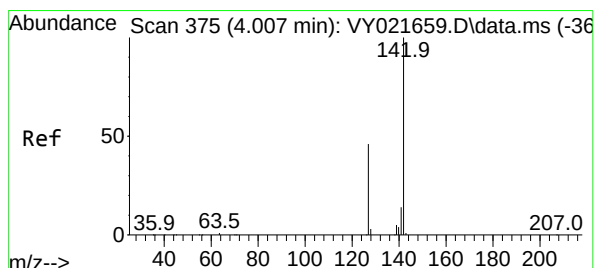
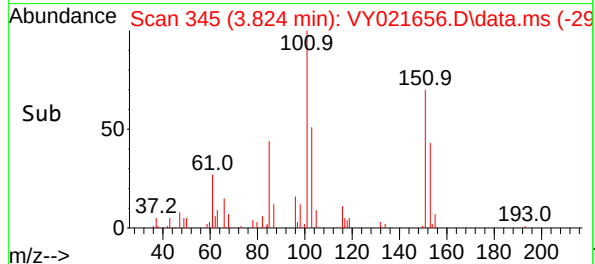
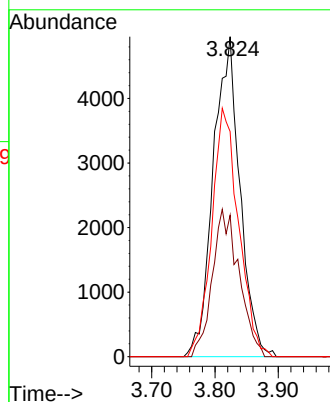
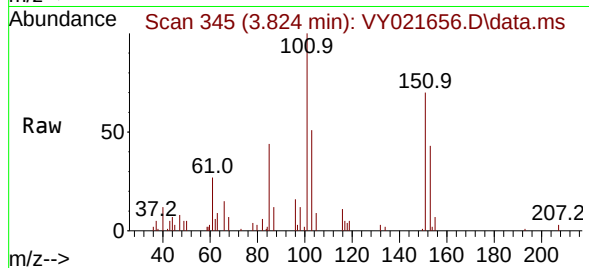
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 1449
Ion Ratio Lower Upper
101 100
85 46.3 36.3 54.5
151 78.3 61.3 91.9

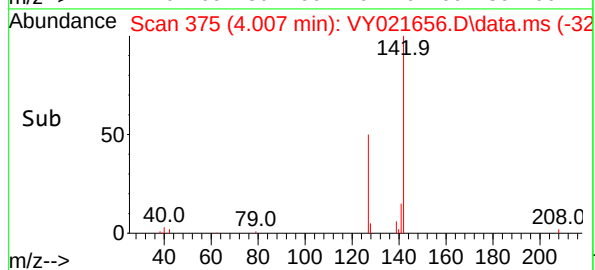
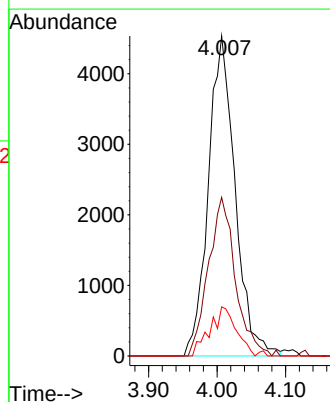
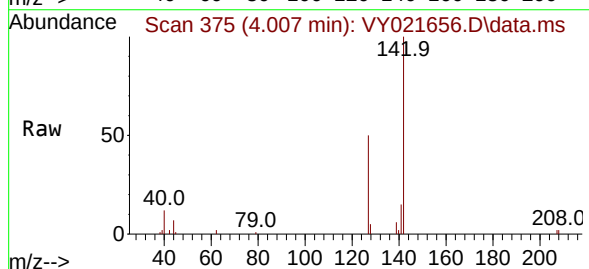
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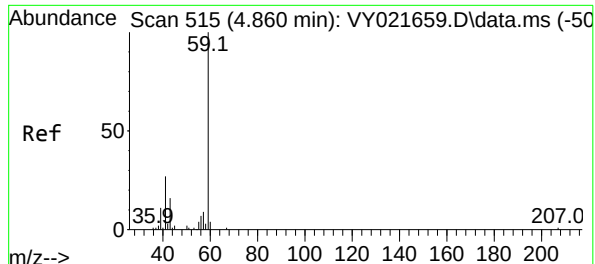
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 4.642 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:142 Resp: 12311
Ion Ratio Lower Upper
142 100
127 50.2 38.7 58.1
141 15.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 30.344 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 4630

Ion Ratio Lower Upper

59 100

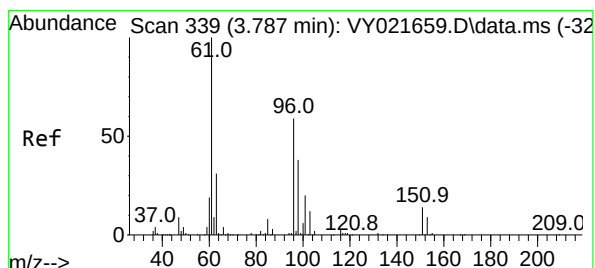
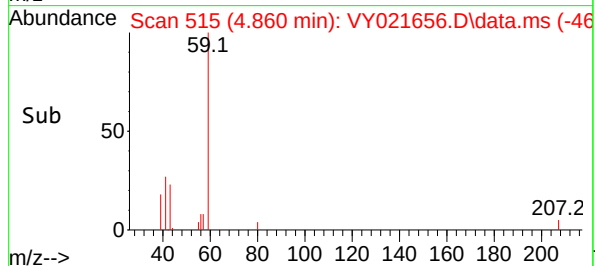
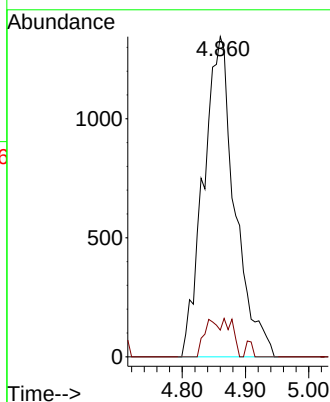
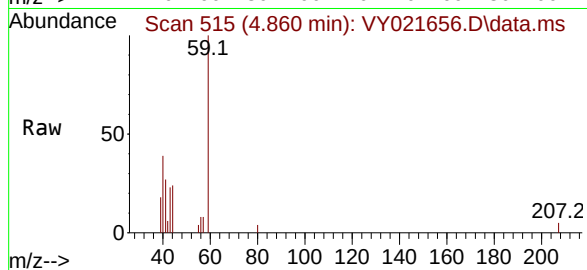
57 5.7 9.2 13.8

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 5.611 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

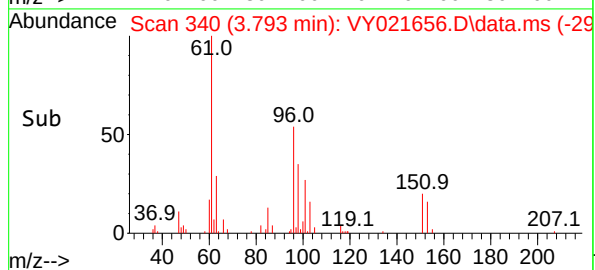
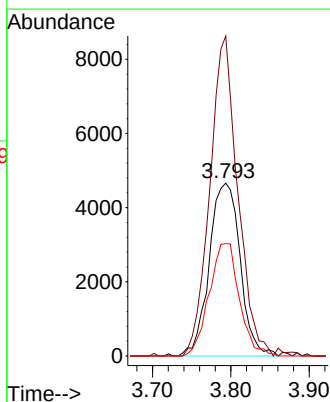
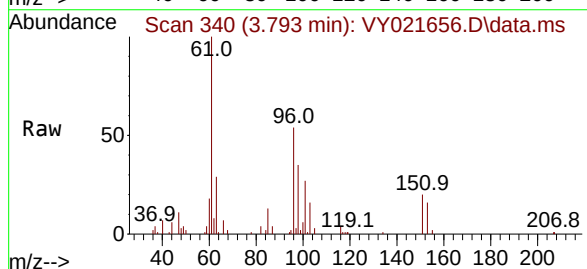
Tgt Ion: 96 Resp: 12778

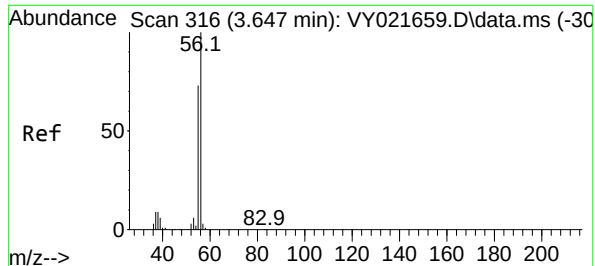
Ion Ratio Lower Upper

96 100

61 185.1 136.6 204.8

98 65.0 52.3 78.5





#13

Acrolein

Concen: 26.881 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 56 Resp: 7499

Ion Ratio Lower Upper

56 100

55 76.7 56.6 85.0

Instrument :

MSVOA_Y

ClientSampleId :

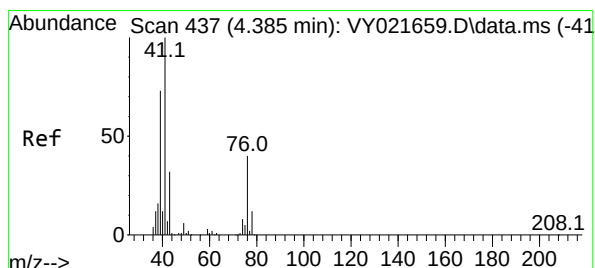
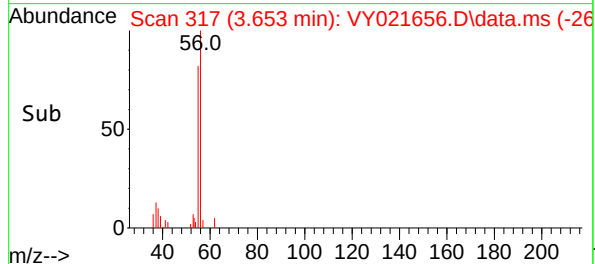
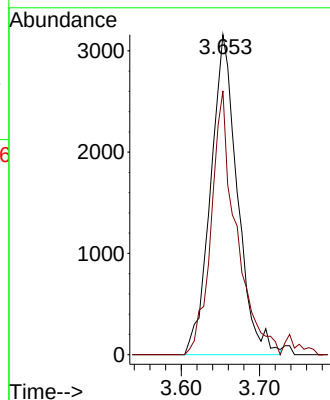
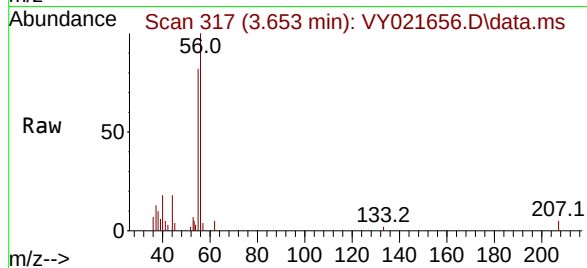
VSTDICC005

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 5.362 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

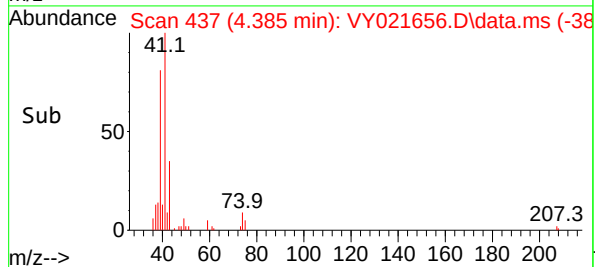
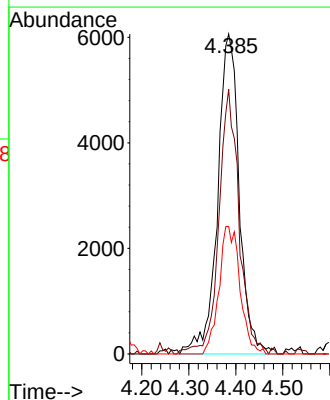
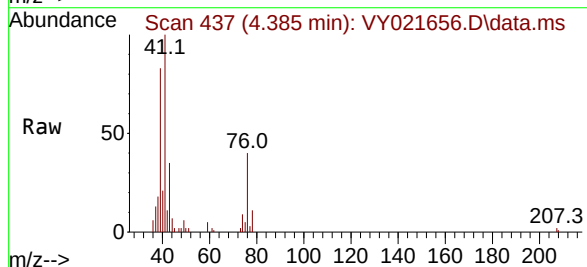
Tgt Ion: 41 Resp: 19469

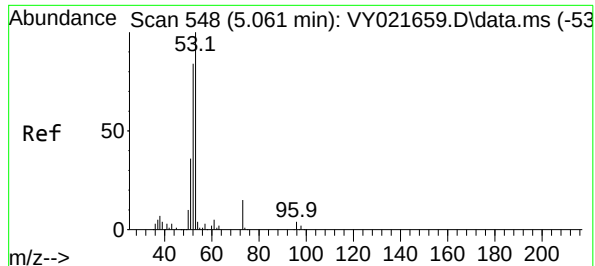
Ion Ratio Lower Upper

41 100

39 76.8 58.6 88.0

76 38.6 30.3 45.5





#15

Acrylonitrile

Concen: 27.546 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

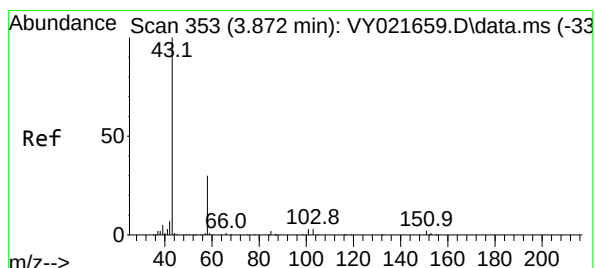
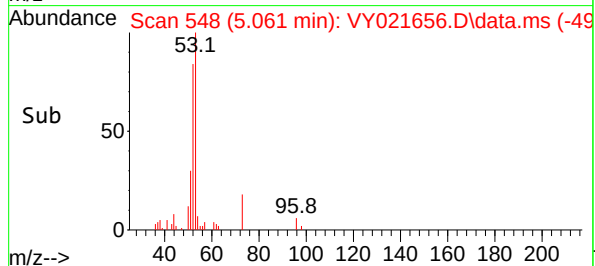
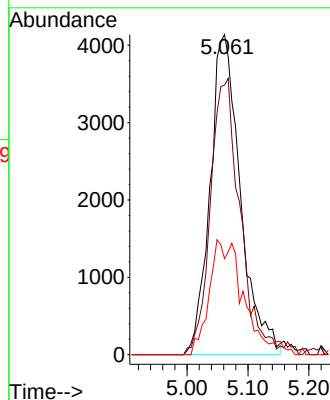
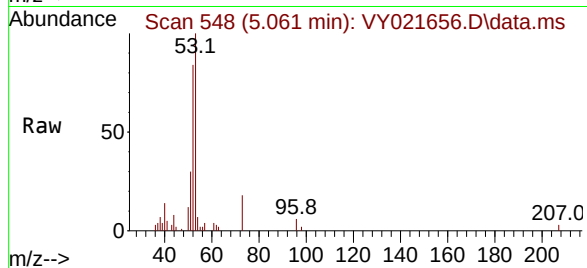
ClientSampleId :

VSTDICC005

Tgt Ion: 53	Resp: 1433
Ion Ratio	Lower Upper
53	100
52	84.3 64.9 97.3
51	18.9 30.2 45.2

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 32.687 ug/l

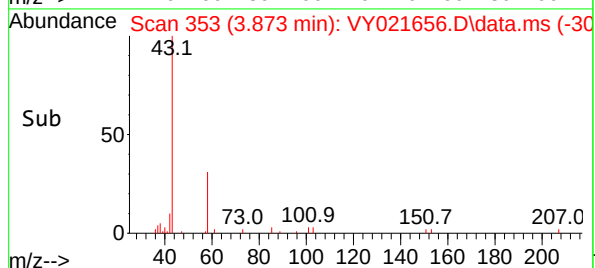
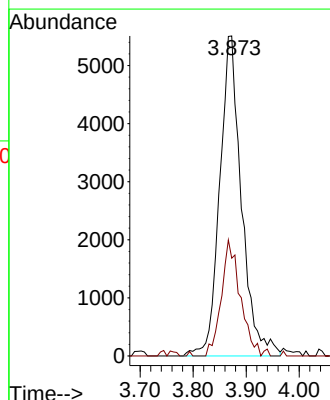
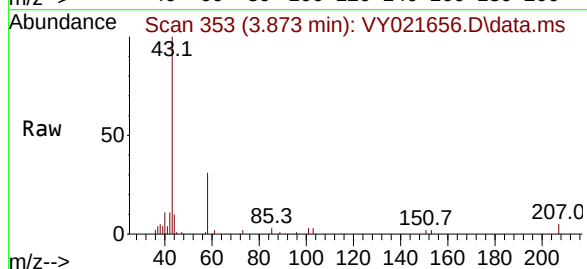
RT: 3.873 min Scan# 353

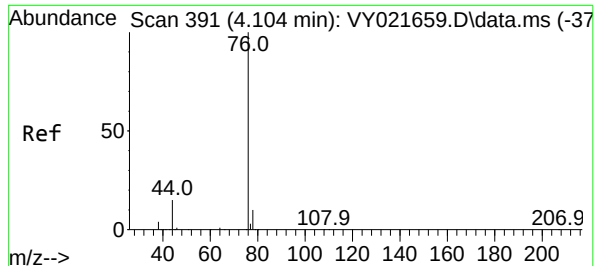
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 43	Resp: 15736
Ion Ratio	Lower Upper
43	100
58	30.5 24.2 36.4





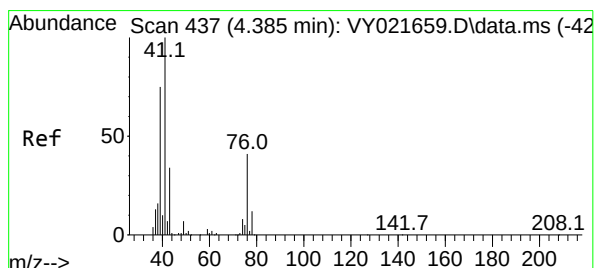
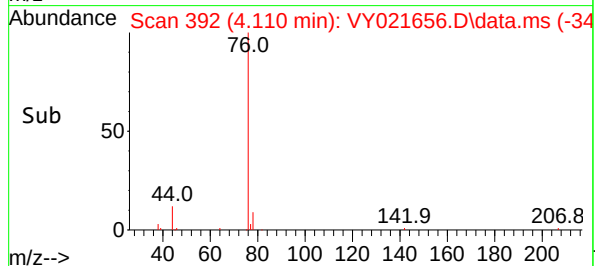
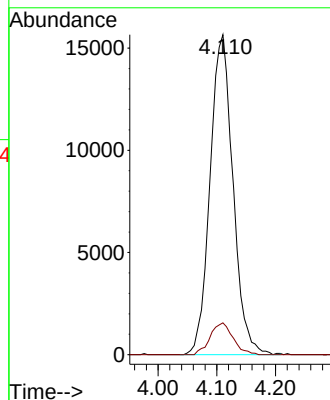
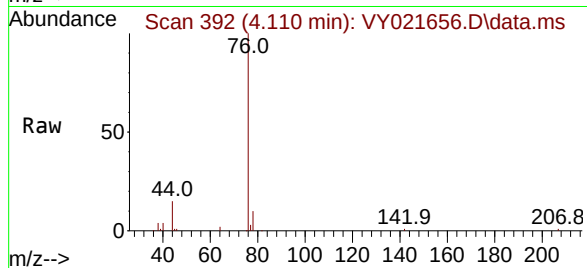
#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 4246
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4

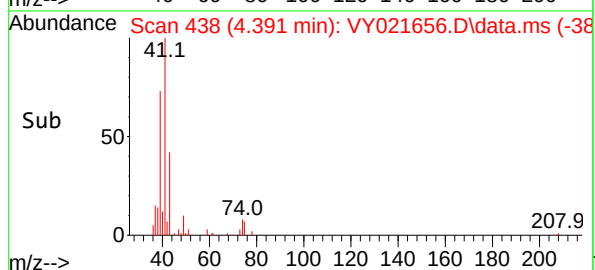
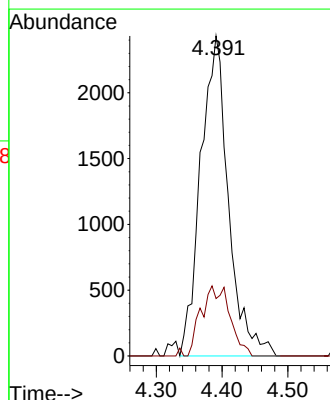
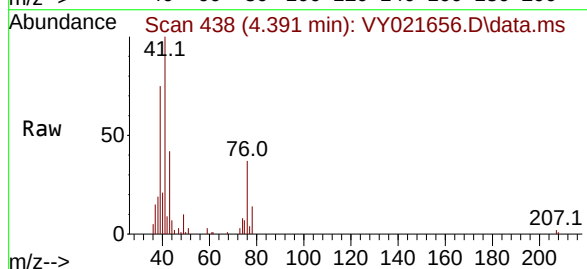
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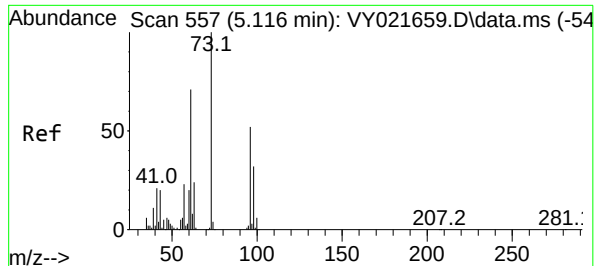
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 5.985 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 7141
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 5.286 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 2996

Ion Ratio Lower Upper

73 100

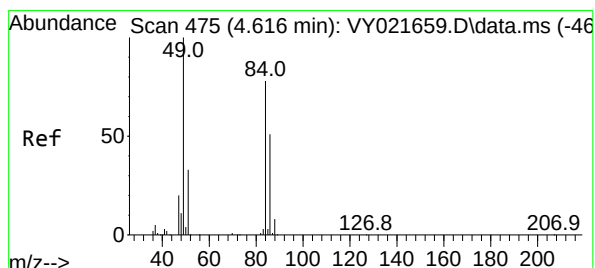
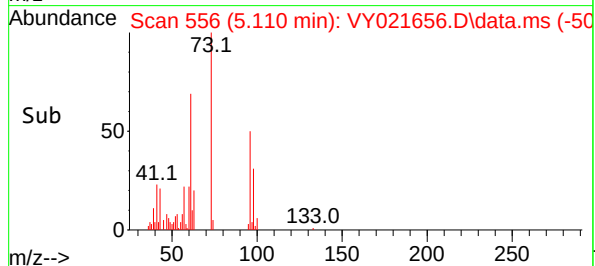
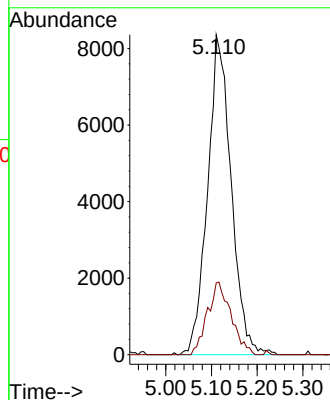
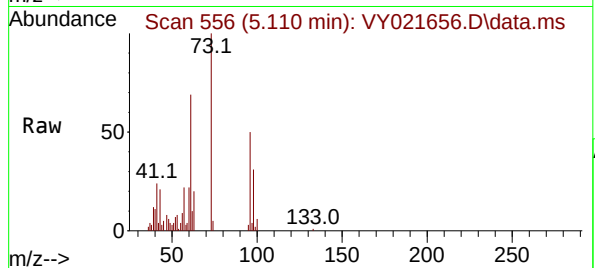
57 22.4 18.1 27.1

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 4.497 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 84 Resp: 18885

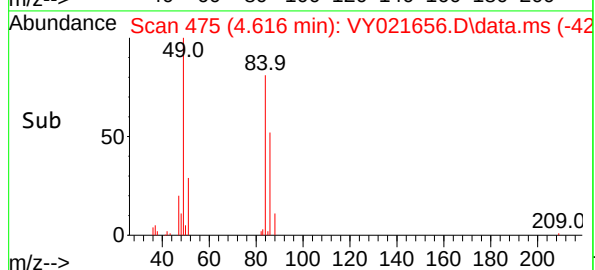
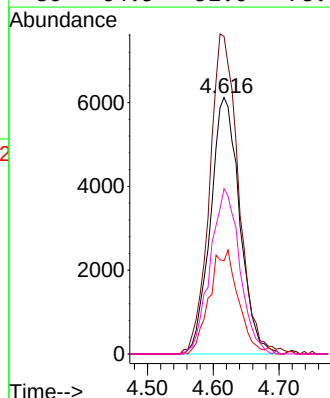
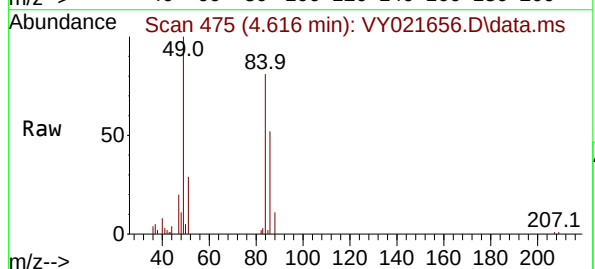
Ion Ratio Lower Upper

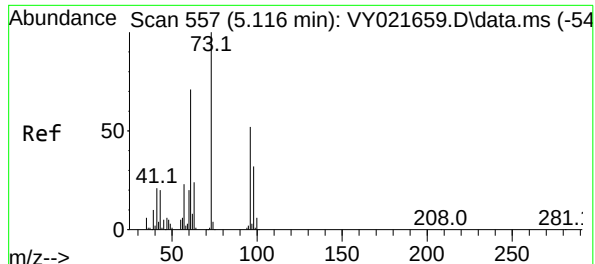
84 100

49 123.8 102.8 154.2

51 36.3 33.5 50.3

86 64.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 5.489 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1376

Ion Ratio Lower Upper

96 100

61 144.2 109.4 164.0

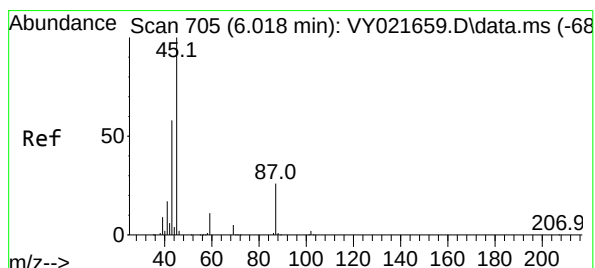
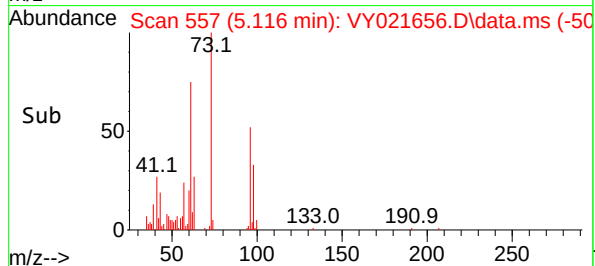
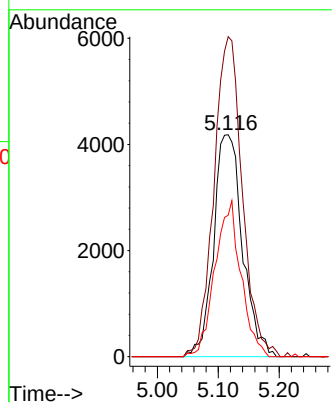
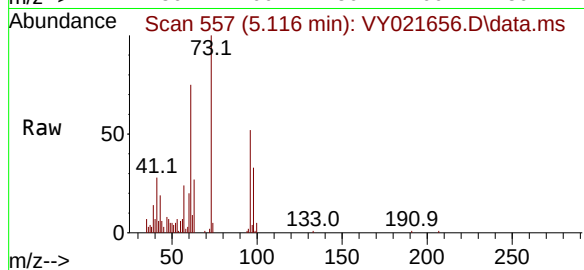
98 63.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 5.118 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 45 Resp: 38980

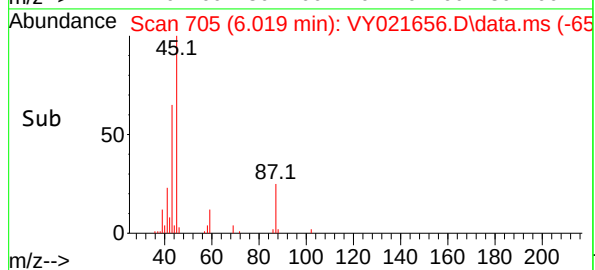
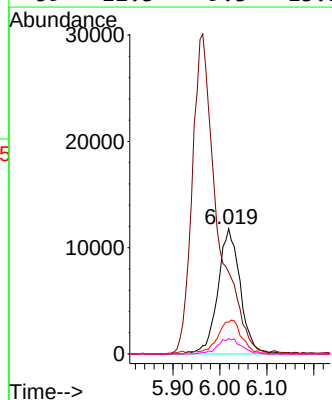
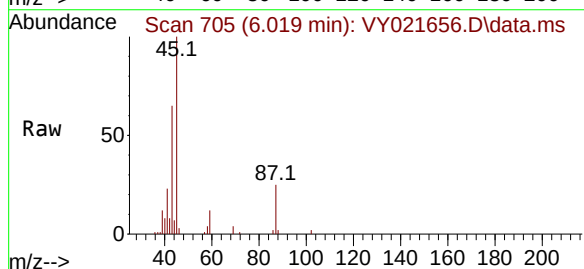
Ion Ratio Lower Upper

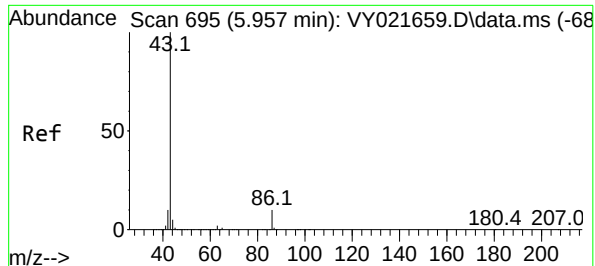
45 100

43 64.0 46.6 69.8

87 25.2 20.7 31.1

59 12.3 9.3 13.9





#23

Vinyl Acetate

Concen: 24.992 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 11135

Ion Ratio Lower Upper

43 100

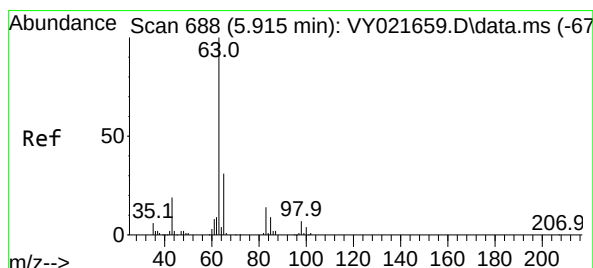
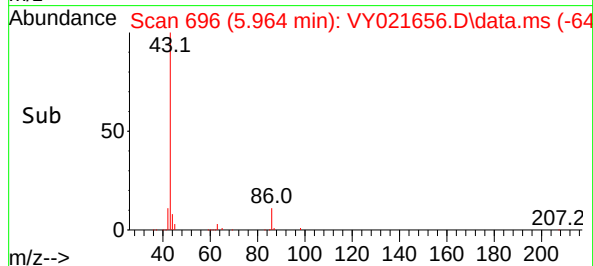
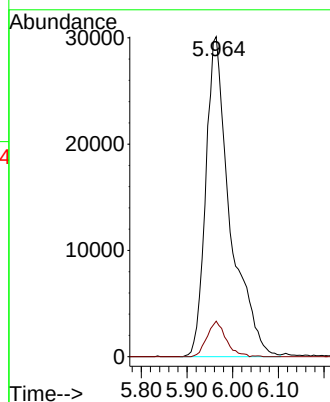
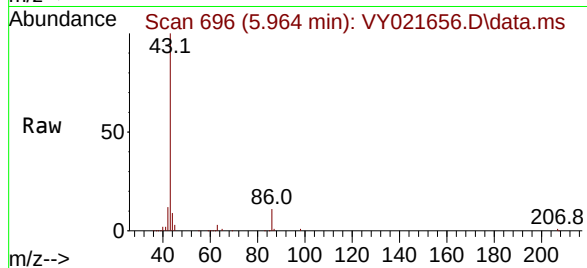
86 11.1 8.2 12.2

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 5.616 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

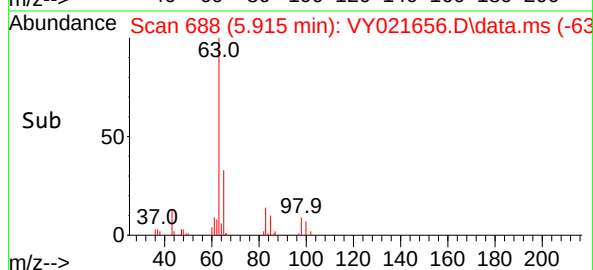
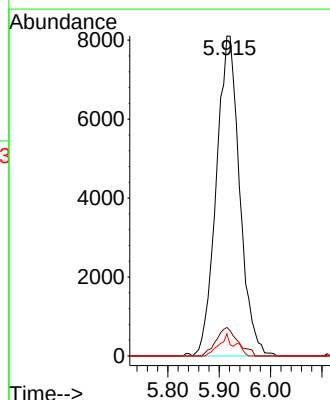
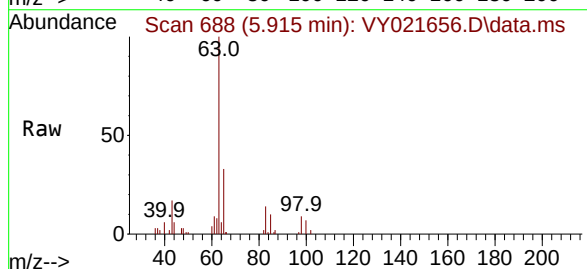
Tgt Ion: 63 Resp: 25578

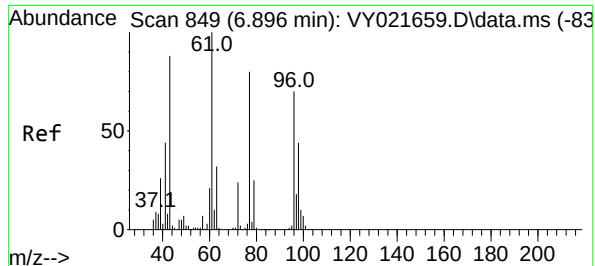
Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.5

100 6.9 2.2 6.6





#25

2-Butanone

Concen: 28.598 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1966

Ion Ratio Lower Upper

43 100

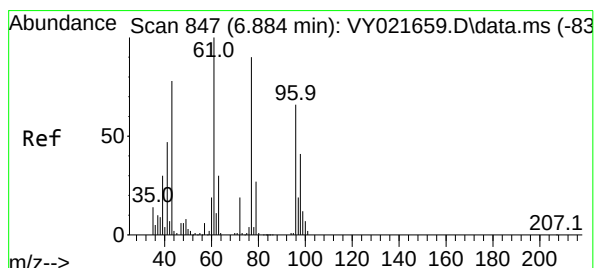
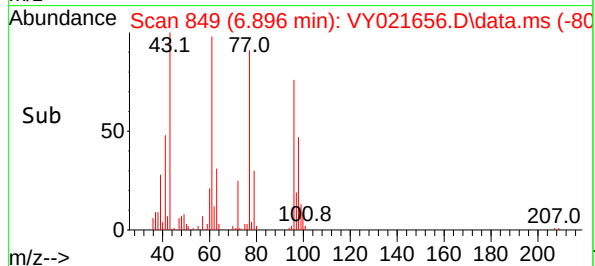
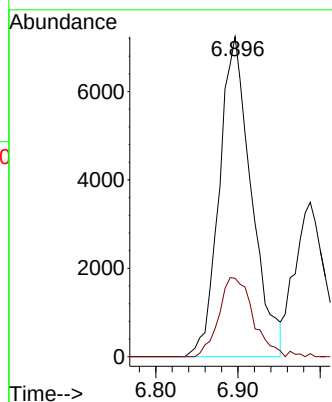
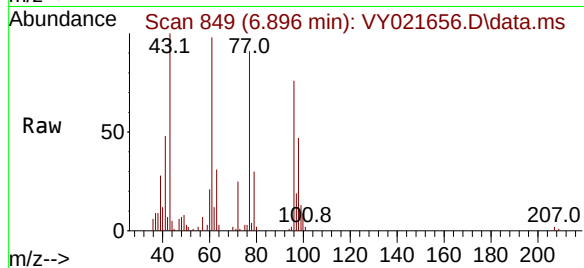
72 24.5 21.4 32.2

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 5.695 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021656.D

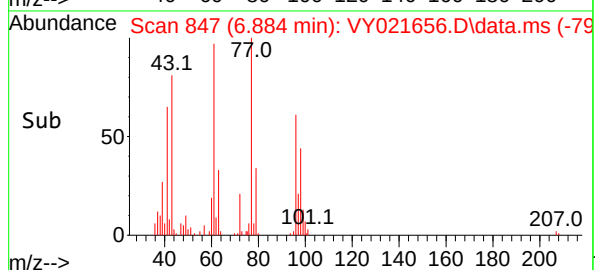
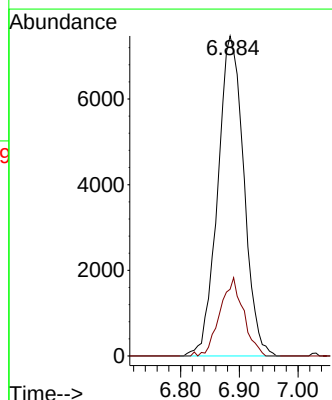
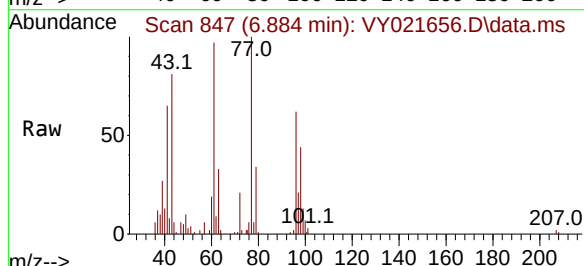
Acq: 27 Mar 2025 10:08

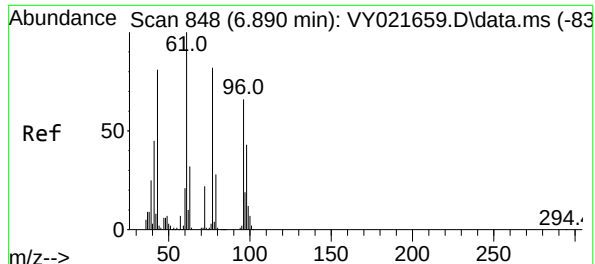
Tgt Ion: 77 Resp: 23073

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1





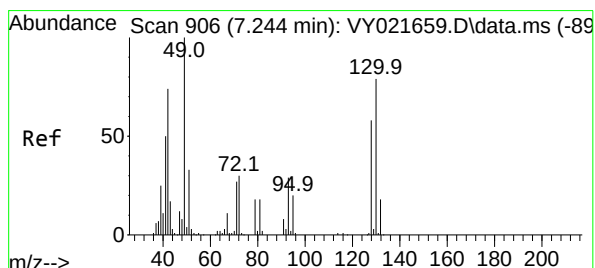
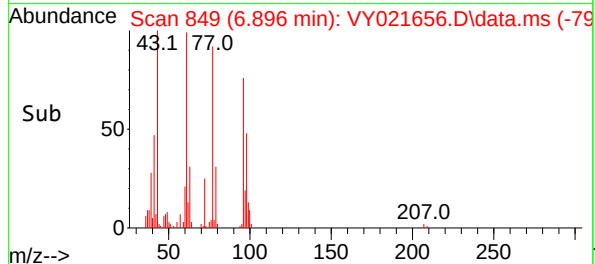
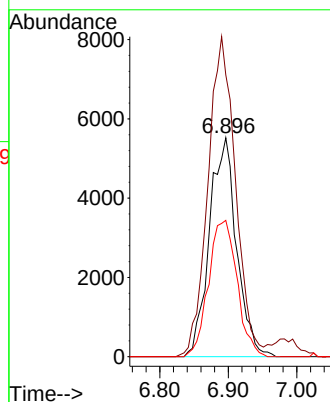
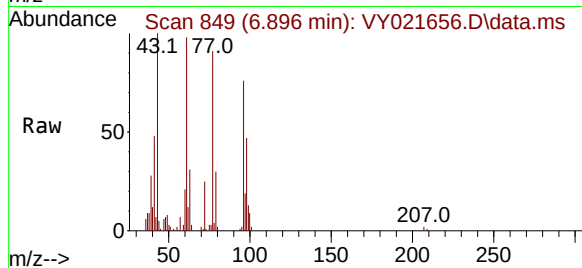
#27
cis-1,2-Dichloroethene
Concen: 5.390 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	296.4
98	65.4	0.0	128.0

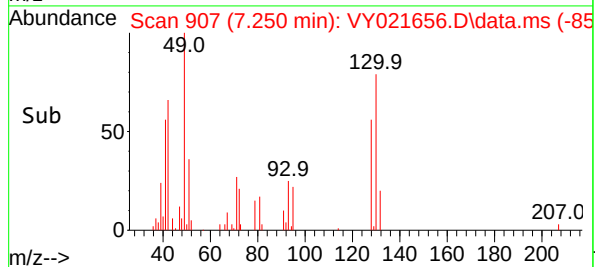
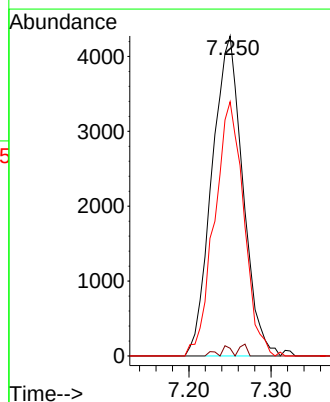
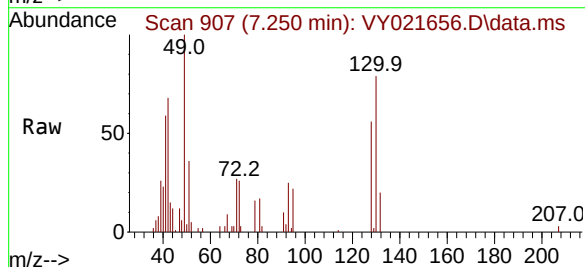
Manual Integrations
APPROVED

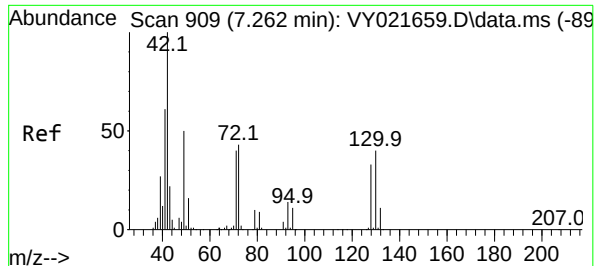
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#28
Bromochloromethane
Concen: 5.799 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	75.8	60.1	90.1





#29

Tetrahydrofuran

Concen: 26.430 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

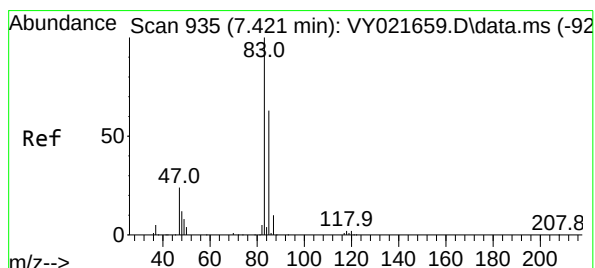
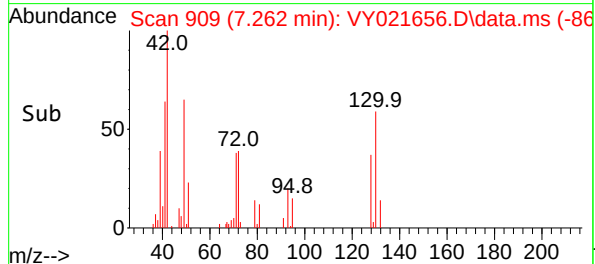
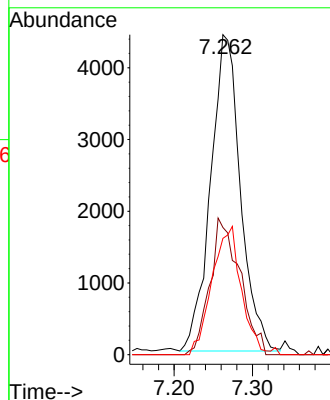
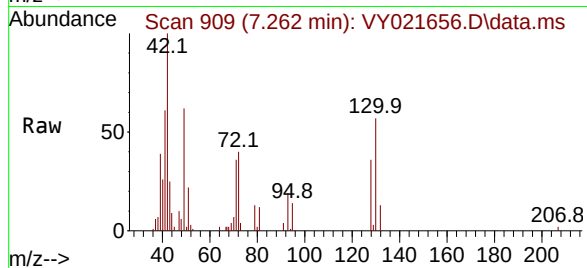
ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	1169
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	39.9	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 5.662 ug/l

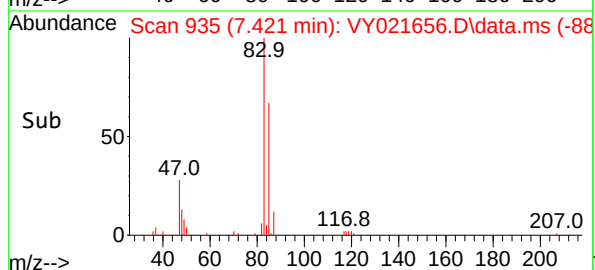
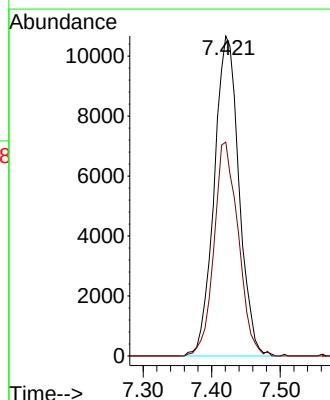
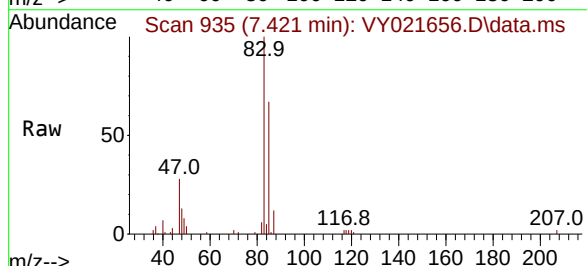
RT: 7.421 min Scan# 935

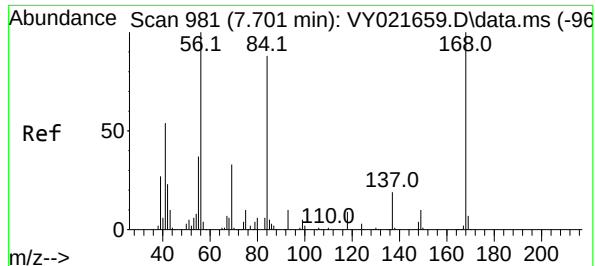
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	83	Resp:	26819
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	75.8





#31

Cyclohexane

Concen: 6.117 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 25394

Ion Ratio Lower Upper

56 100

69 49.9 26.6 40.0

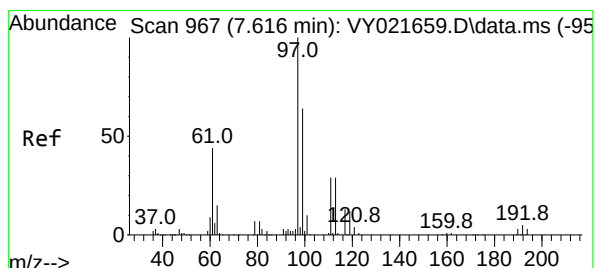
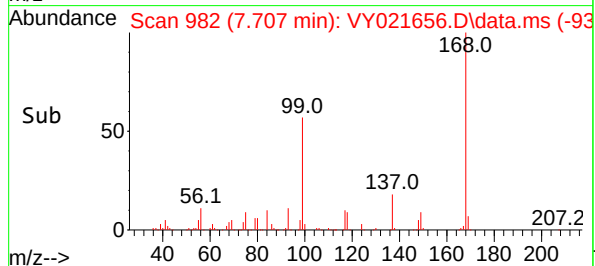
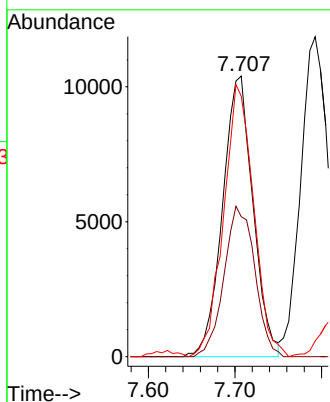
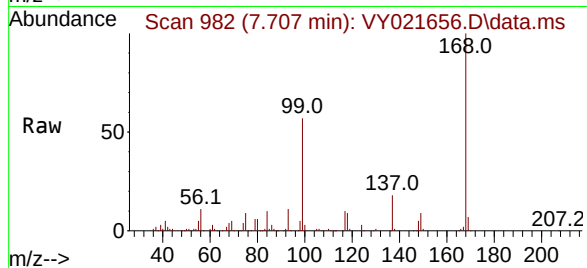
84 91.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 5.856 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

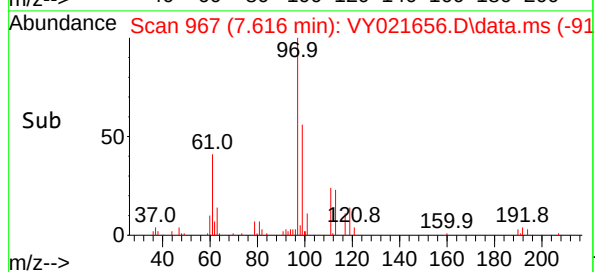
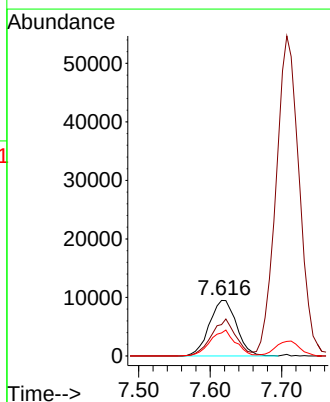
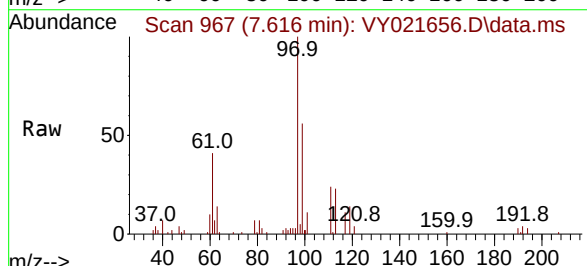
Tgt Ion: 97 Resp: 25069

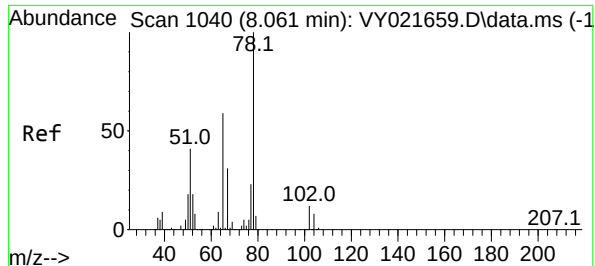
Ion Ratio Lower Upper

97 100

99 59.7 50.7 76.1

61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 5.650 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 13289

Ion Ratio Lower Upper

65 100

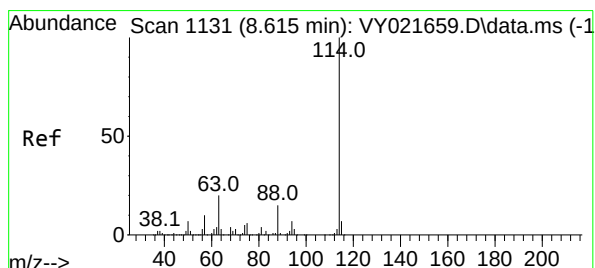
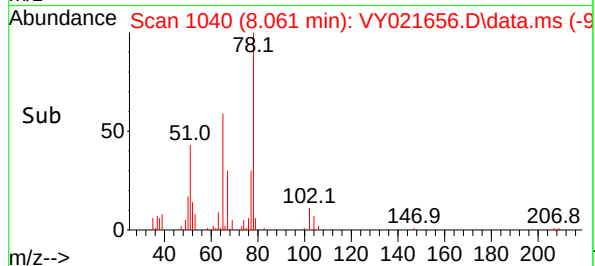
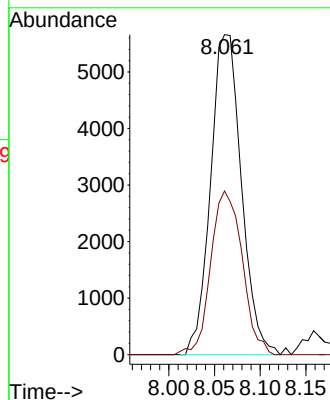
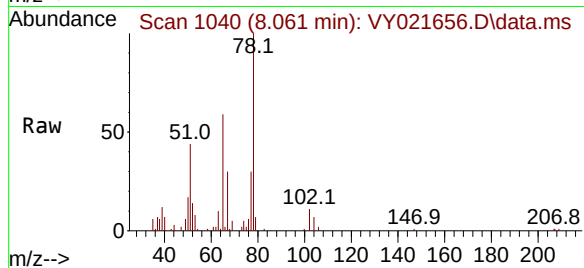
67 52.1 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

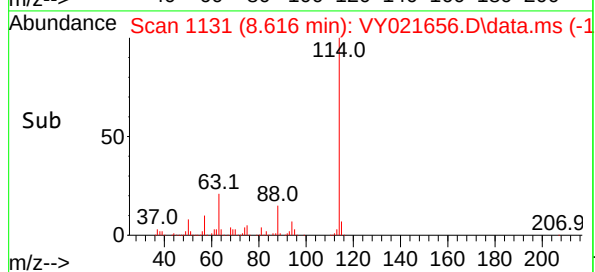
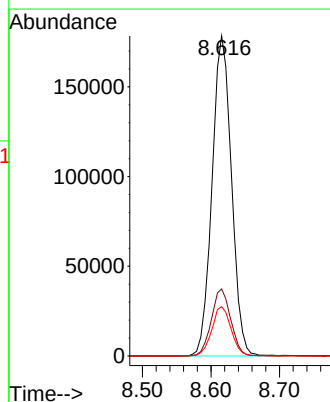
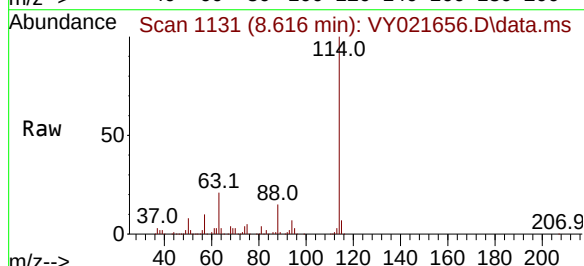
Tgt Ion:114 Resp: 350486

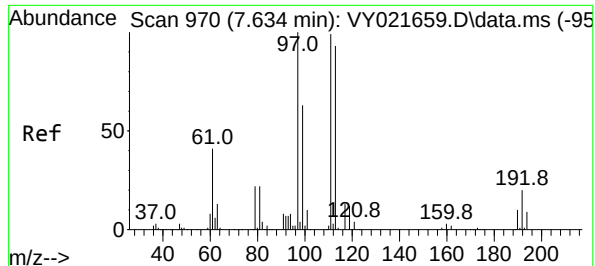
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 5.506 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

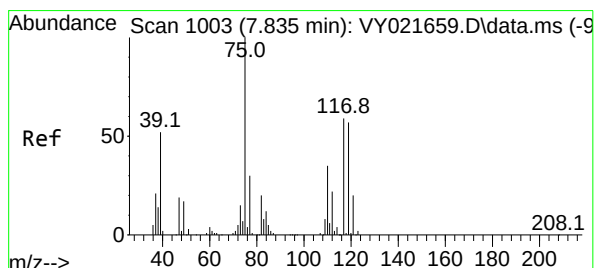
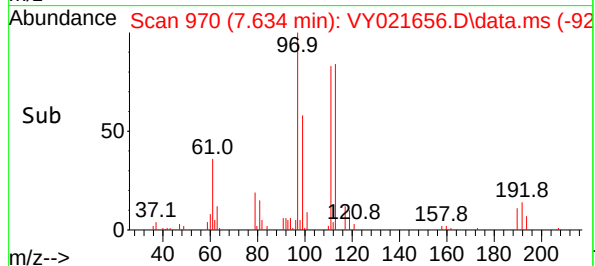
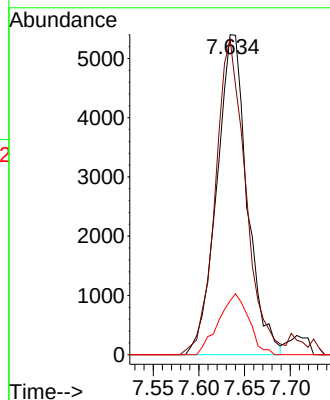
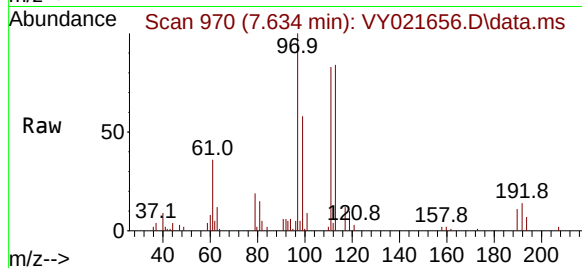
ClientSampleId :

VSTDIC005

Tgt Ion:	113	Resp:	12519
Ion	Ratio	Lower	Upper
113	100		
111	98.5	82.6	123.8
192	18.8	16.2	24.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 5.388 ug/l

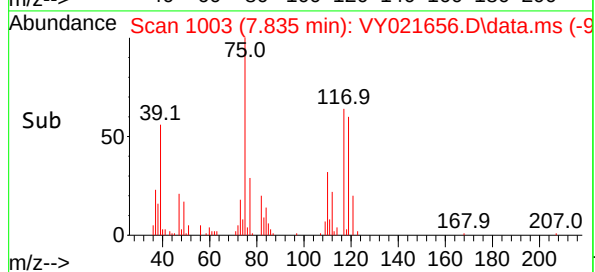
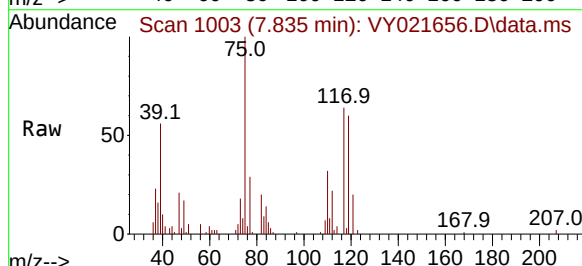
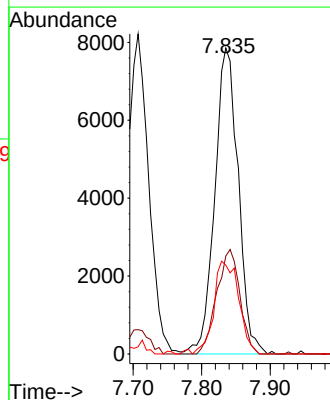
RT: 7.835 min Scan# 1003

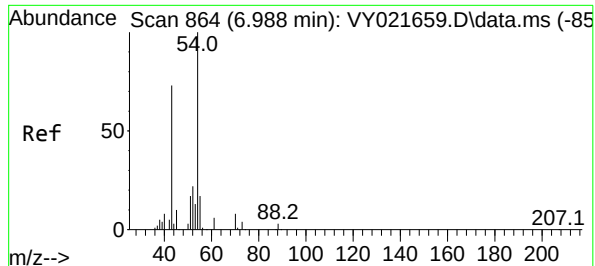
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	75	Resp:	18659
Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.0	50.9
77	32.1	24.8	37.2





#37

Ethyl Acetate

Concen: 5.788 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

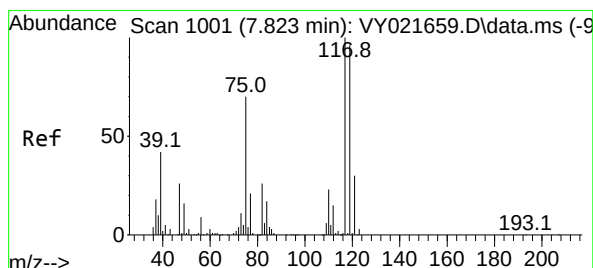
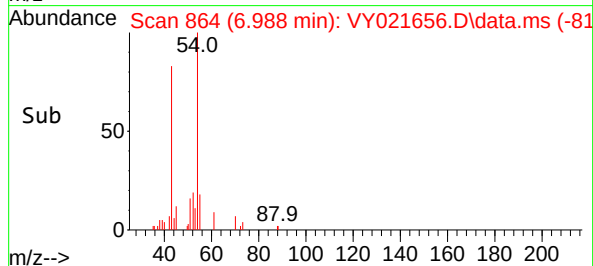
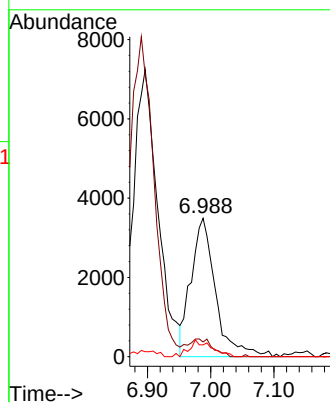
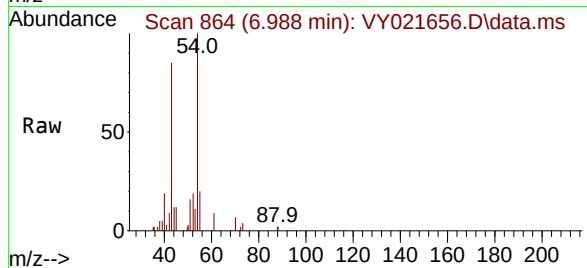
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	945
Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6
70	10.8	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 5.625 ug/l

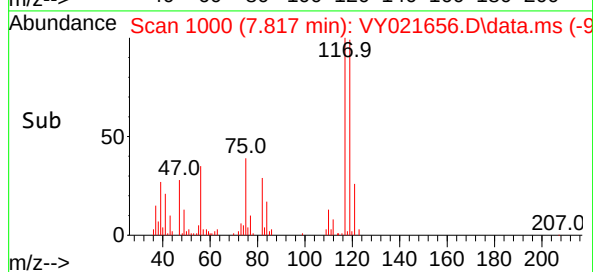
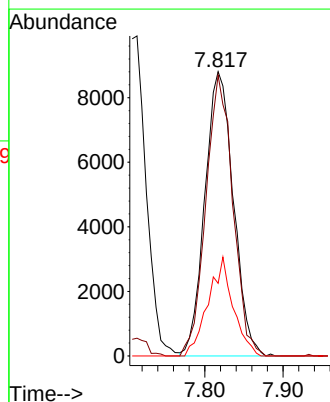
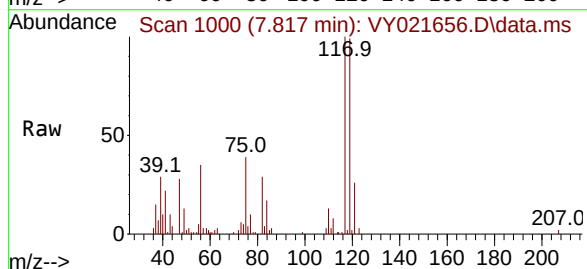
RT: 7.817 min Scan# 1000

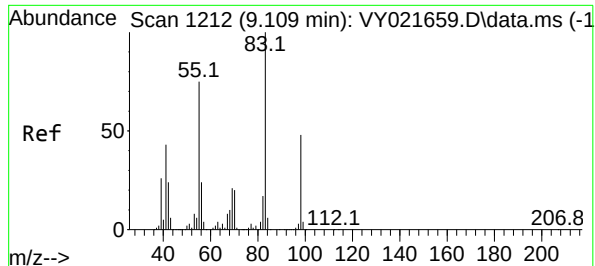
Delta R.T. -0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	117	Resp:	22310
Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	25.6	24.2	36.4





#39

Methylcyclohexane

Concen: 5.023 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

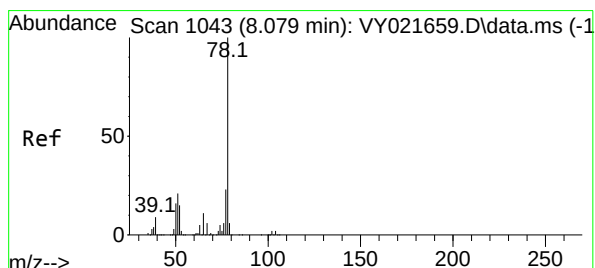
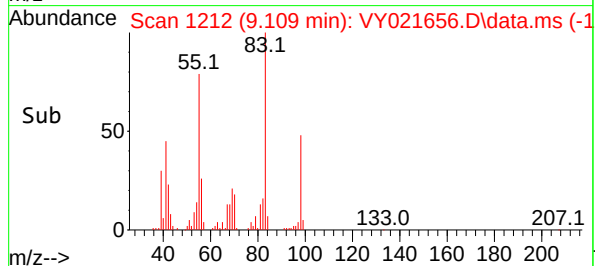
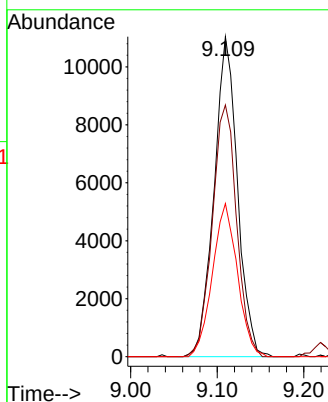
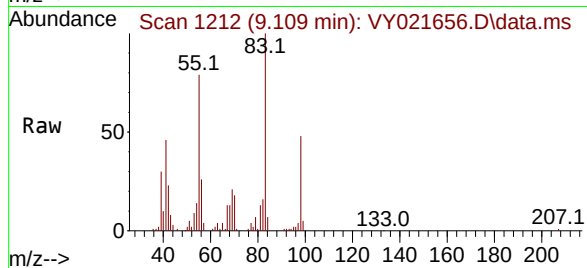
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	2078
Ion	Ratio	Lower	Upper
83	100		
55	78.6	59.7	89.5
98	47.9	38.3	57.5

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 5.427 ug/l

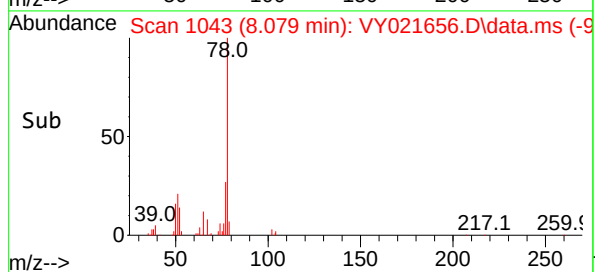
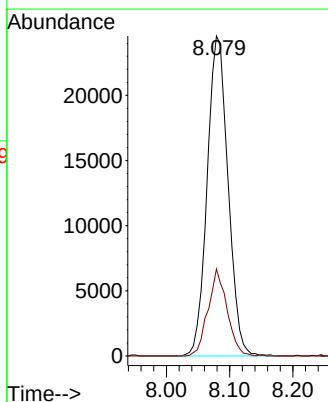
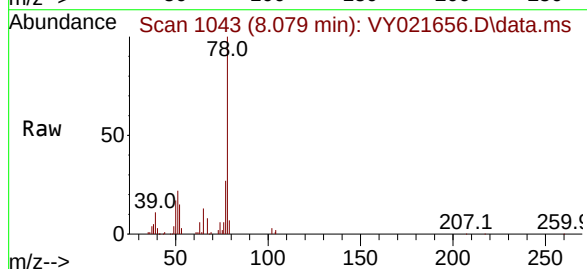
RT: 8.079 min Scan# 1043

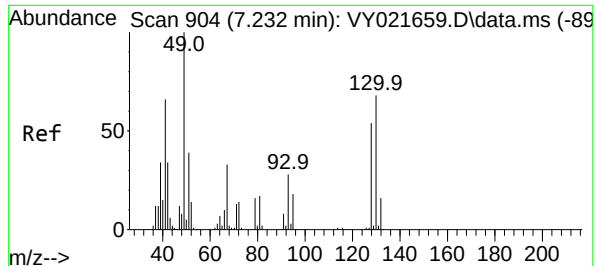
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	78	Resp:	56287
Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.8	28.2





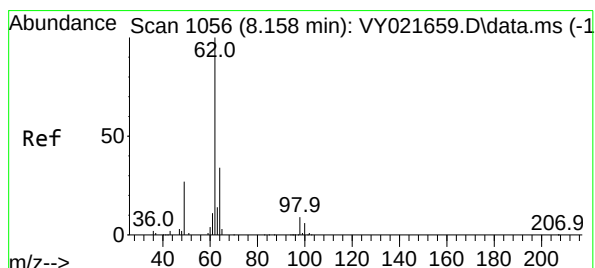
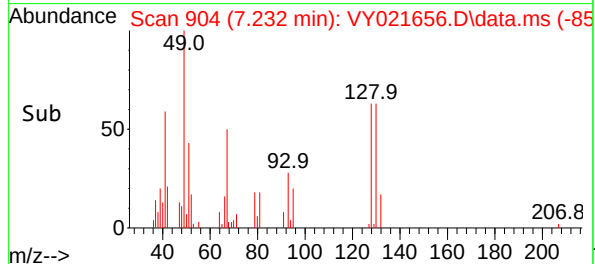
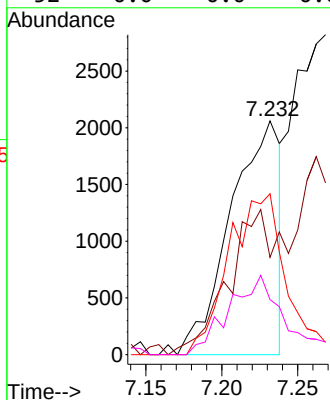
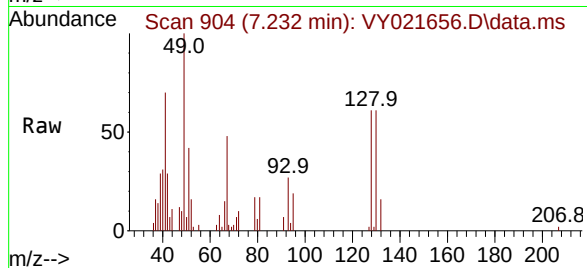
#41
Methacrylonitrile
Concen: 5.402 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 4688
Ion Ratio Lower Upper
41 100
39 78.1 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

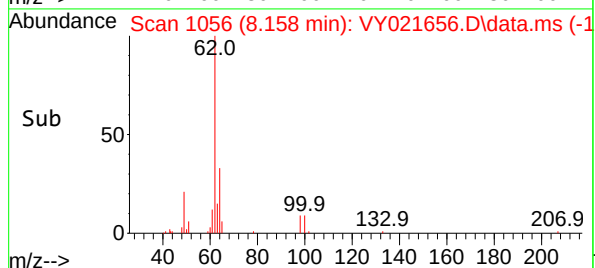
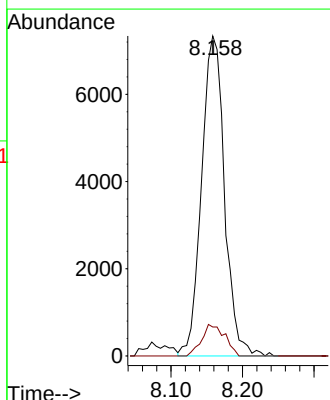
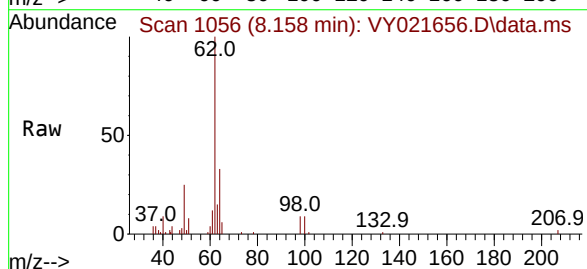
Manual Integrations
APPROVED

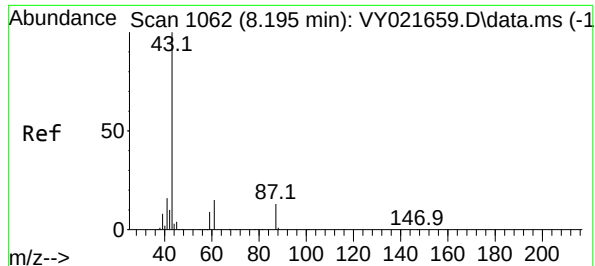
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 16381
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.4





#43

Isopropyl Acetate

Concen: 5.329 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

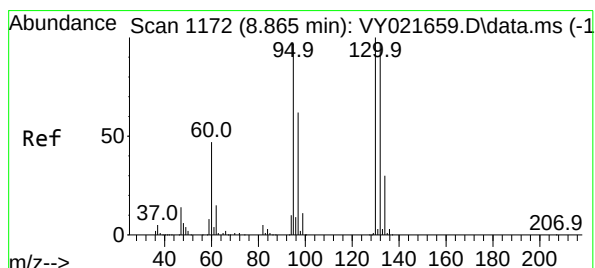
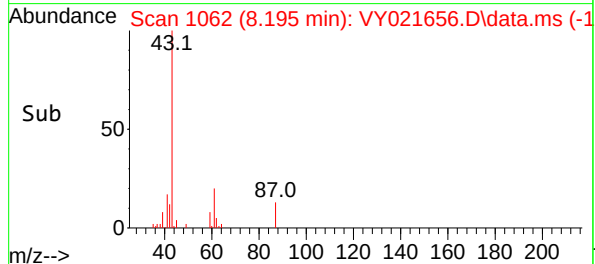
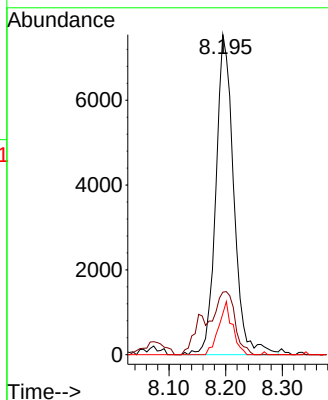
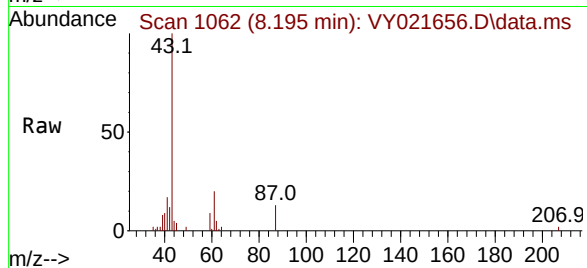
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43	Resp: 16504
Ion Ratio	Lower Upper
43 100	
61 21.8	15.9 23.9
87 12.8	10.4 15.6

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#44

Trichloroethene

Concen: 5.470 ug/l

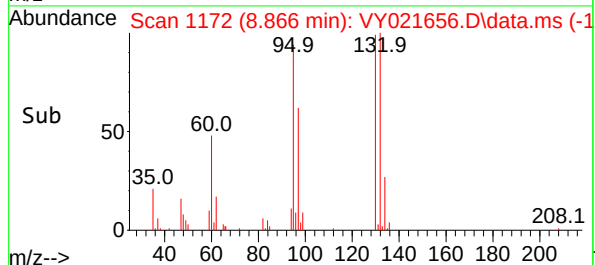
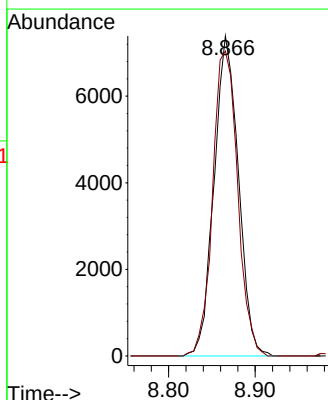
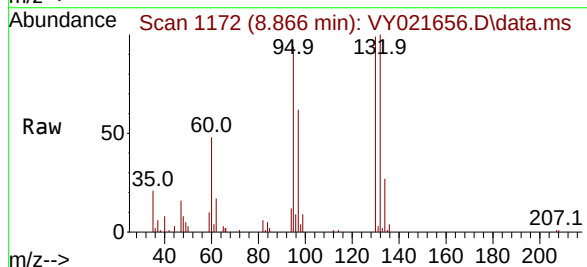
RT: 8.866 min Scan# 1172

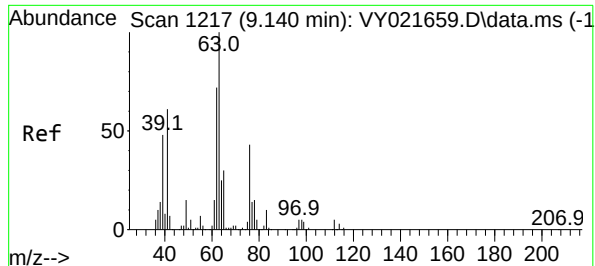
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:130	Resp: 14453
Ion Ratio	Lower Upper
130 100	
95 95.3	0.0 194.8





#45

1,2-Dichloropropane

Concen: 5.470 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 13429

Ion Ratio Lower Upper

63 100

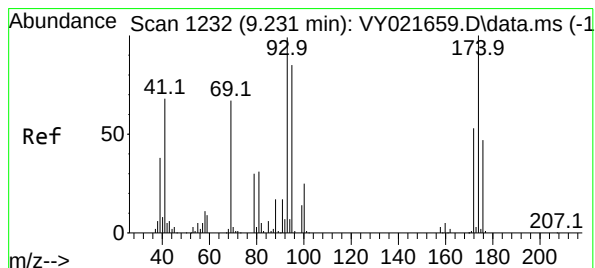
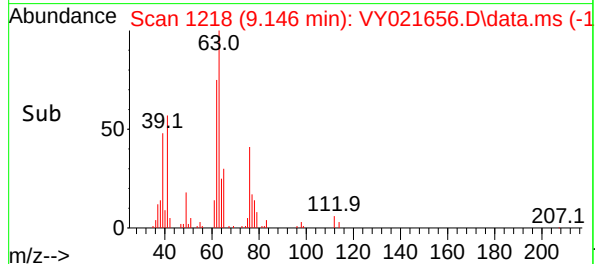
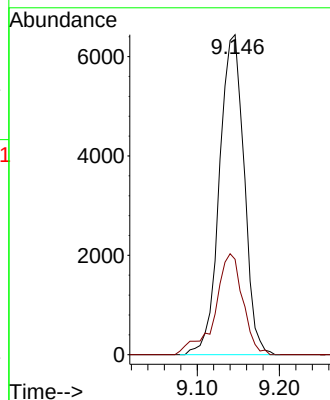
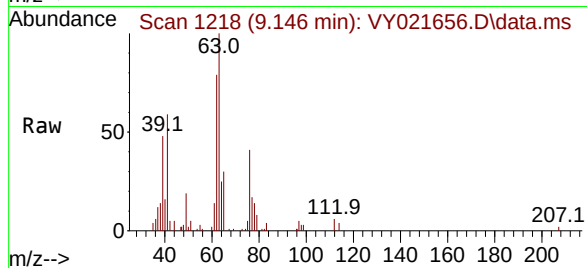
65 29.8 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 5.571 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

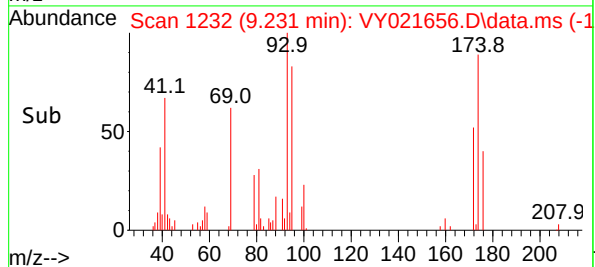
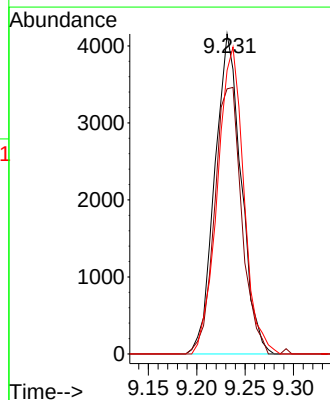
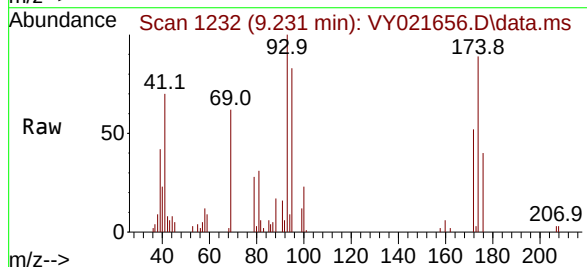
Tgt Ion: 93 Resp: 7882

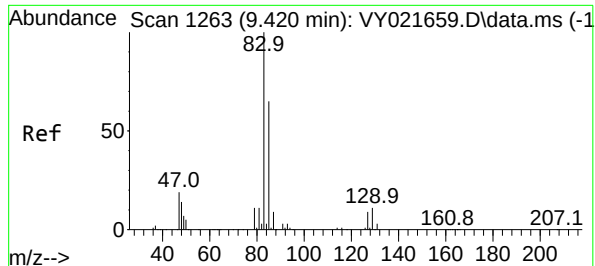
Ion Ratio Lower Upper

93 100

95 85.8 68.1 102.1

174 95.8 80.9 121.3





#47

Bromodichloromethane

Concen: 5.458 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

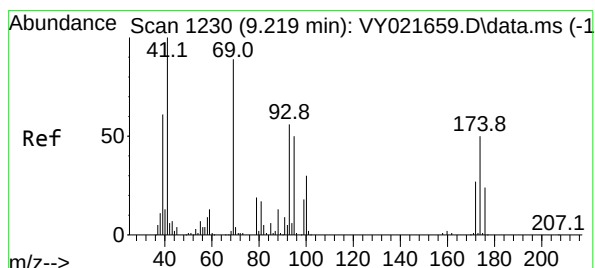
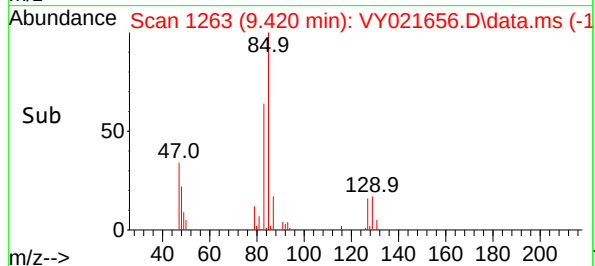
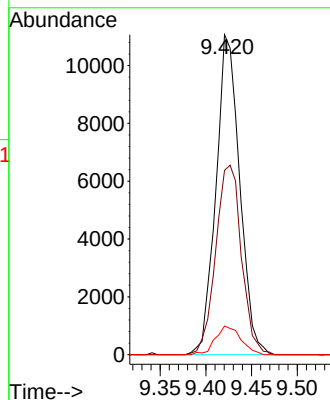
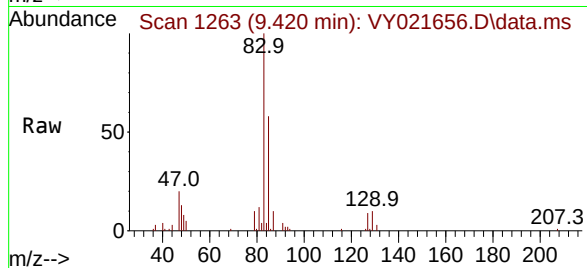
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	2000
Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.8	77.6
127	9.0	6.8	10.2

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#48

Methyl methacrylate

Concen: 5.225 ug/l

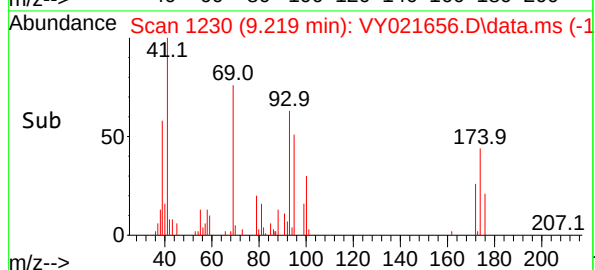
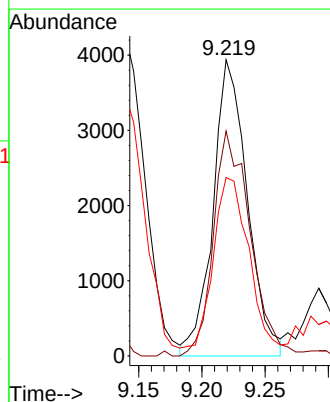
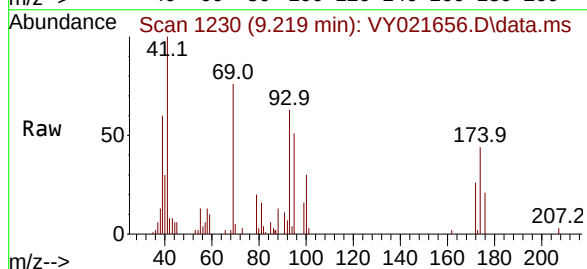
RT: 9.219 min Scan# 1230

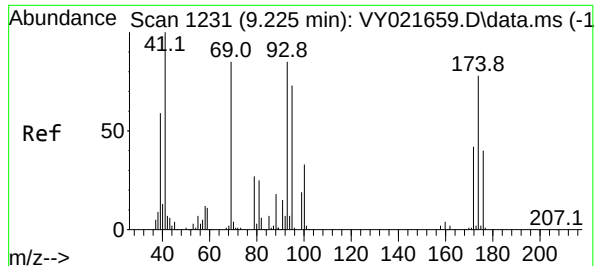
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	41	Resp:	7427
Ion	Ratio	Lower	Upper
41	100		
69	81.4	69.8	104.8
39	59.4	47.2	70.8





#49

1,4-Dioxane

Concen: 103.789 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

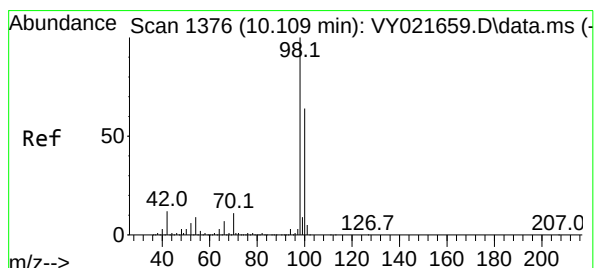
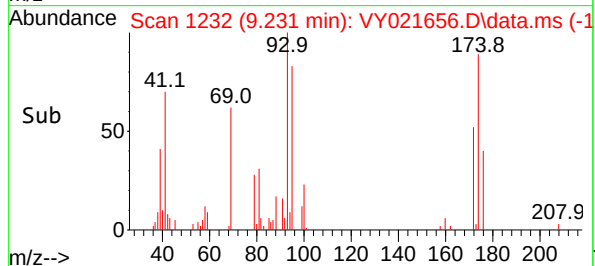
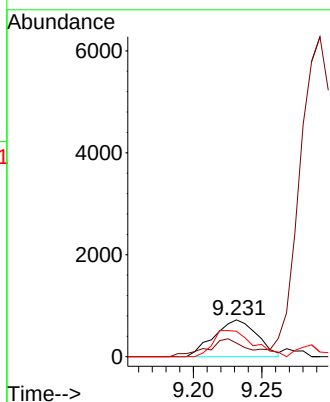
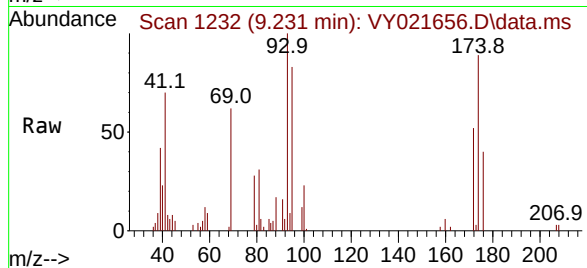
ClientSampleId :

VSTDIC005

Tgt Ion:	88	Resp:	157
Ion	Ratio	Lower	Upper
88	100		
43	40.8	28.8	43.2
58	66.1	59.4	89.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 5.177 ug/l

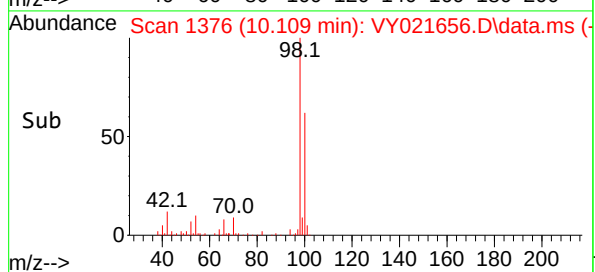
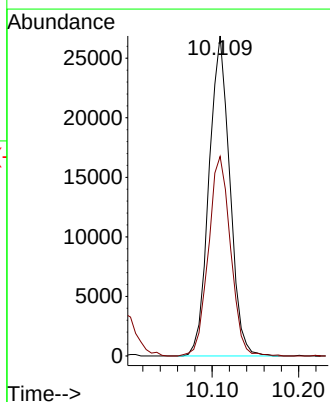
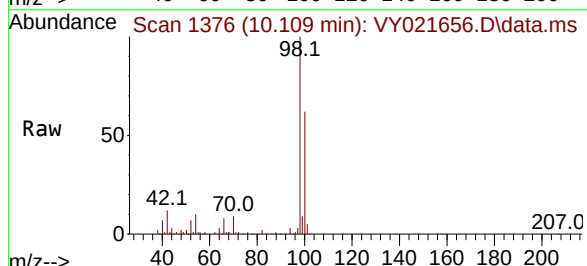
RT: 10.109 min Scan# 1376

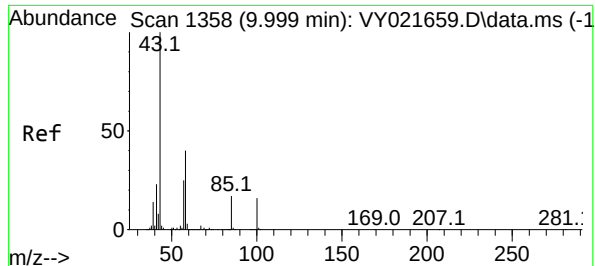
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	98	Resp:	44774
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 25.191 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 4060

Ion Ratio Lower Upper

43 100

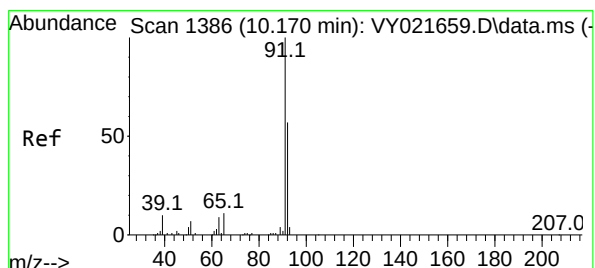
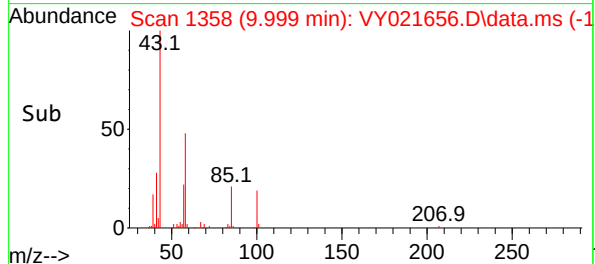
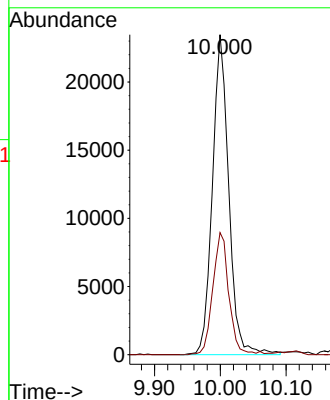
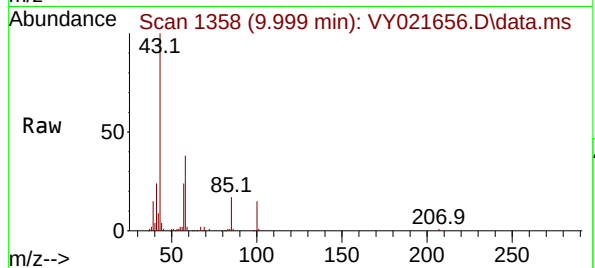
58 37.6 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#52

Toluene

Concen: 5.093 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VY021656.D

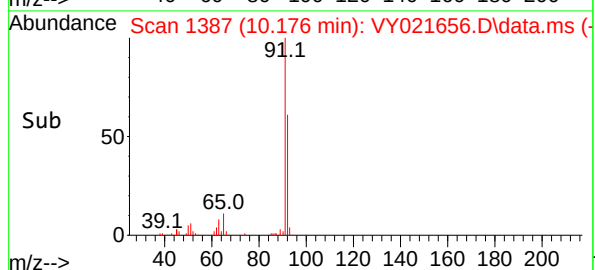
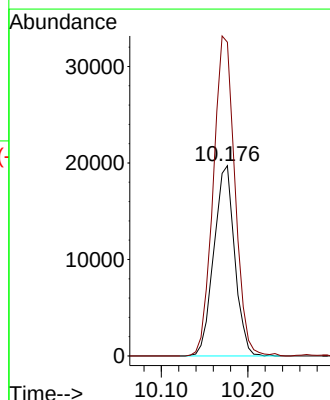
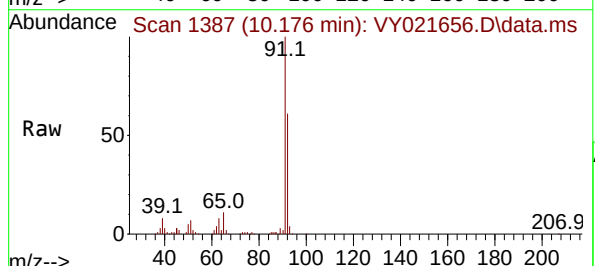
Acq: 27 Mar 2025 10:08

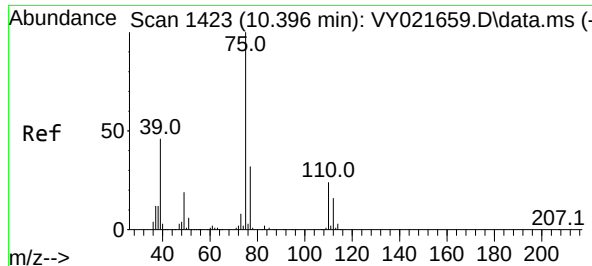
Tgt Ion: 92 Resp: 32954

Ion Ratio Lower Upper

92 100

91 175.0 138.6 207.8





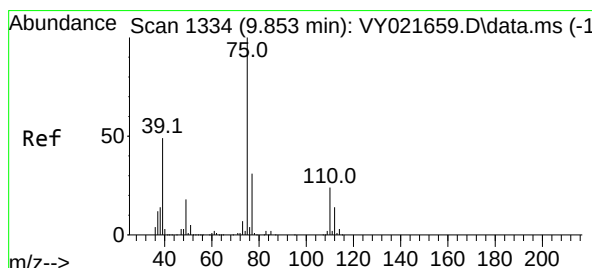
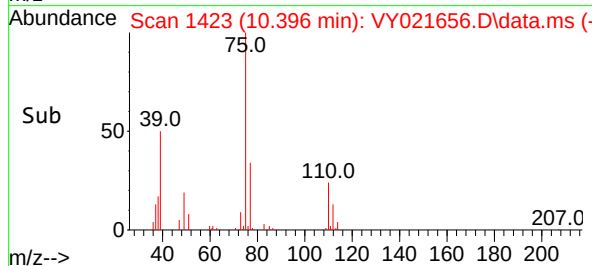
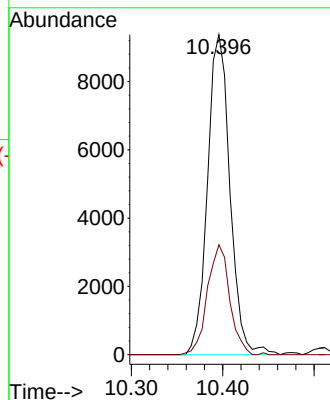
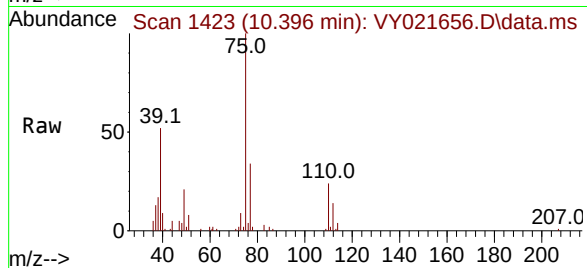
#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1598
Ion Ratio Lower Upper
75 100
77 34.4 25.3 37.9

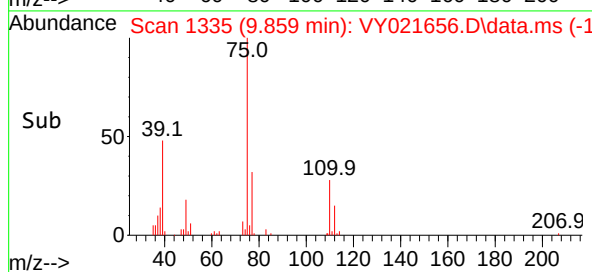
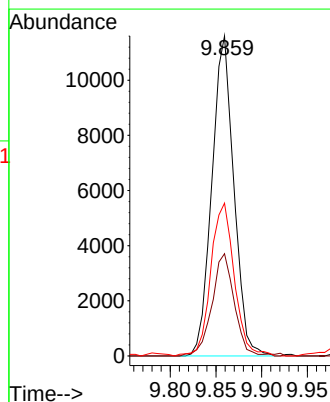
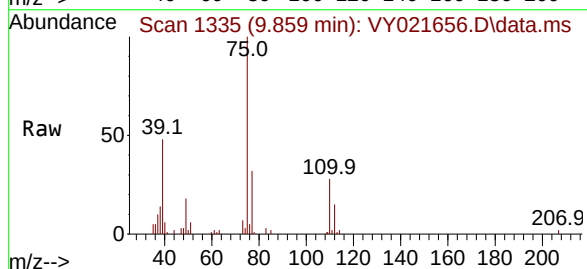
Manual Integrations
APPROVED

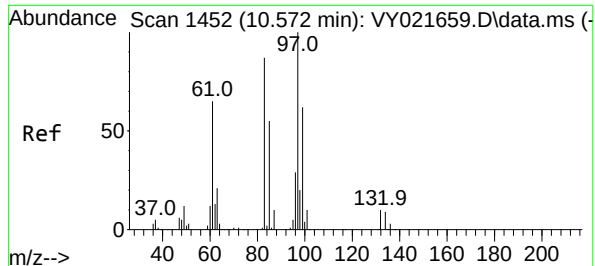
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 5.049 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 19395
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 47.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 5.384 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

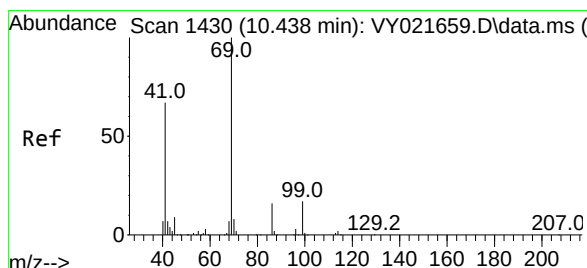
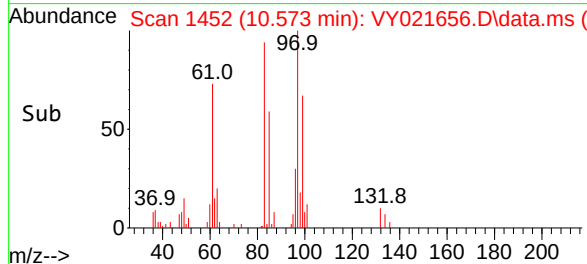
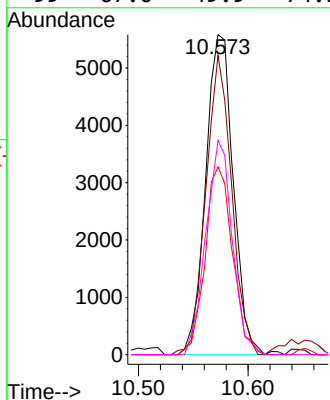
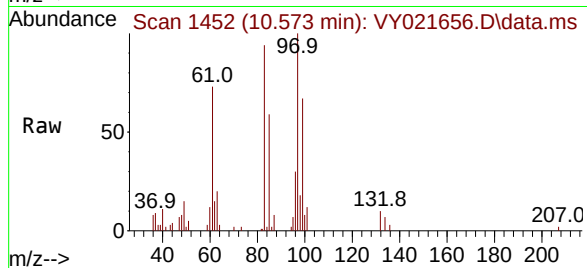
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 97	Resp: 980
Ion Ratio	Lower Upper
97 100	
83 92.2	69.5 104.3
85 58.7	43.9 65.9
99 67.0	49.9 74.9

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#56

Ethyl methacrylate

Concen: 4.327 ug/l

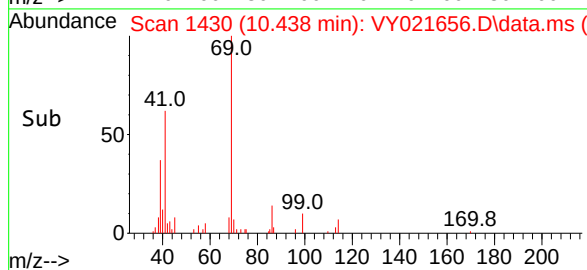
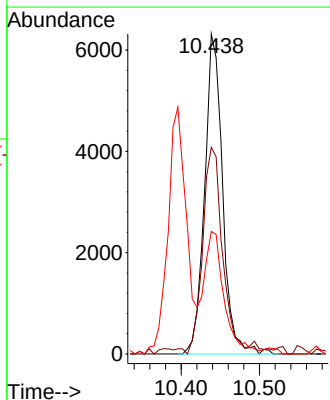
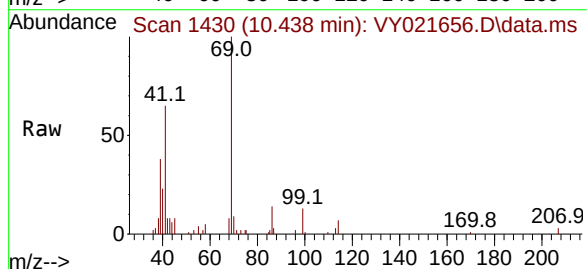
RT: 10.438 min Scan# 1430

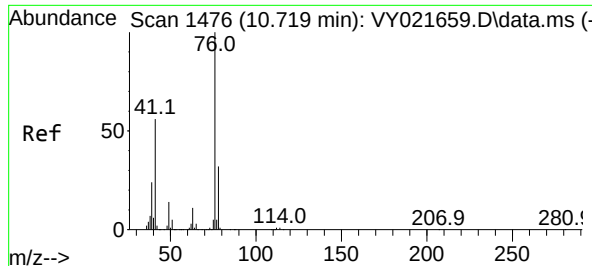
Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 69	Resp: 10060
Ion Ratio	Lower Upper
69 100	
41 71.3	53.8 80.6
39 42.5	29.6 44.4





#57

1,3-Dichloropropane

Concen: 5.258 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 16534

Ion Ratio Lower Upper

76 100

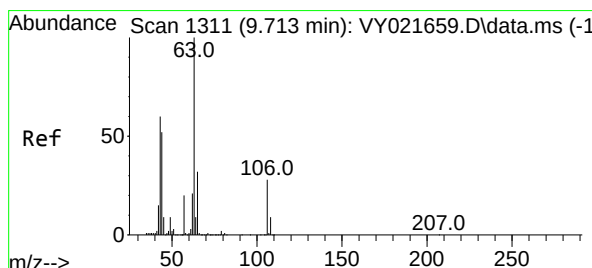
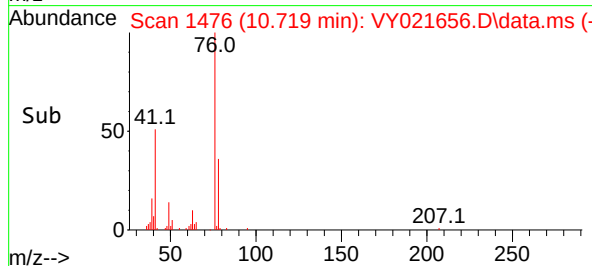
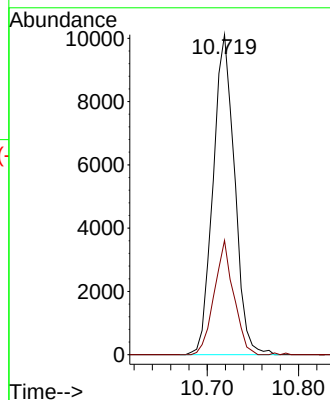
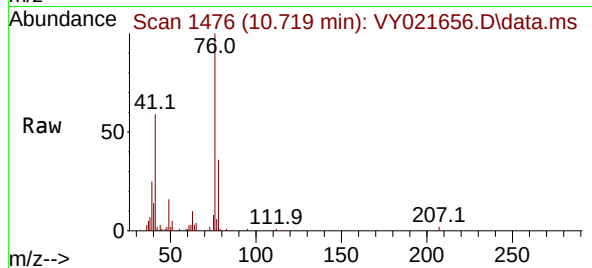
78 32.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 21.959 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021656.D

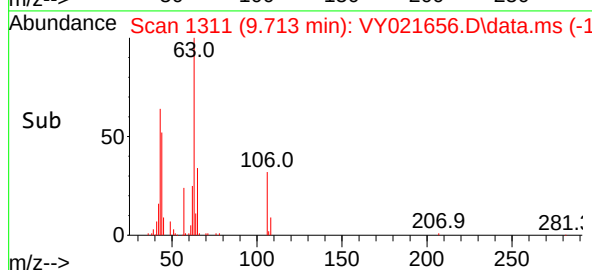
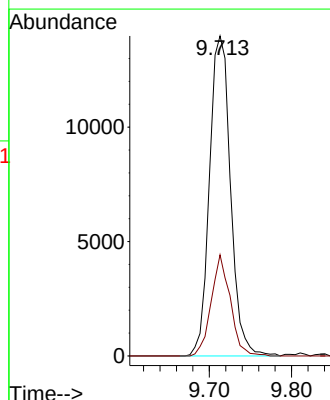
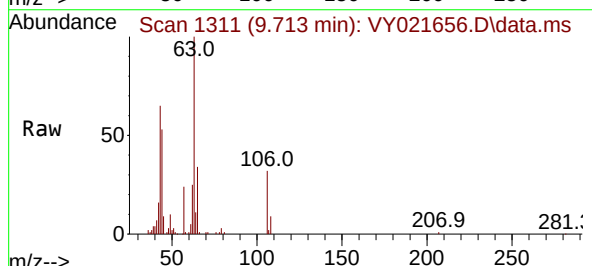
Acq: 27 Mar 2025 10:08

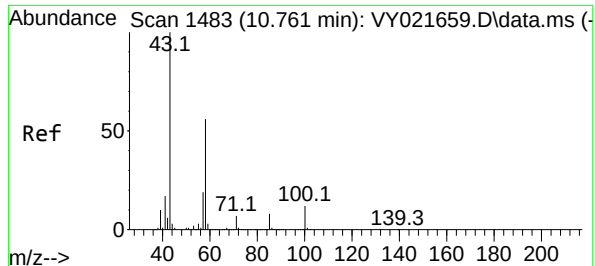
Tgt Ion: 63 Resp: 24903

Ion Ratio Lower Upper

63 100

106 28.8 22.4 33.6





#59

2-Hexanone

Concen: 25.145 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2699

Ion Ratio Lower Upper

43 100

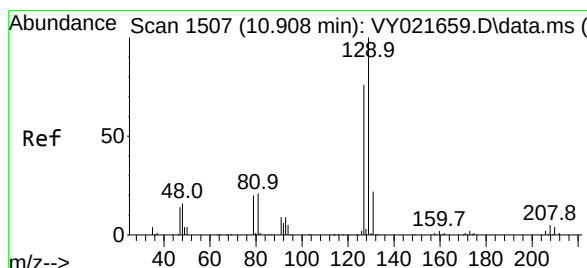
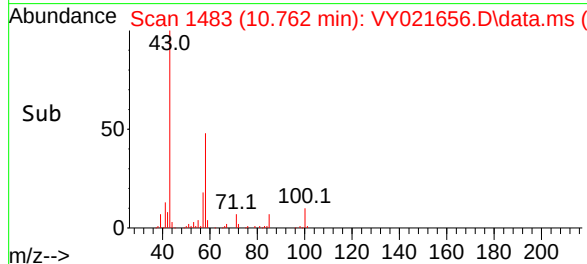
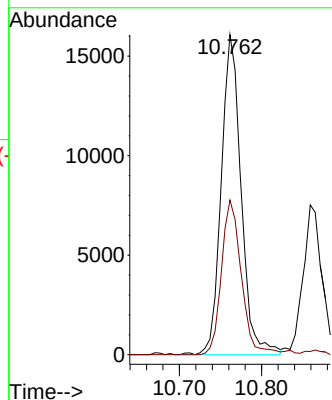
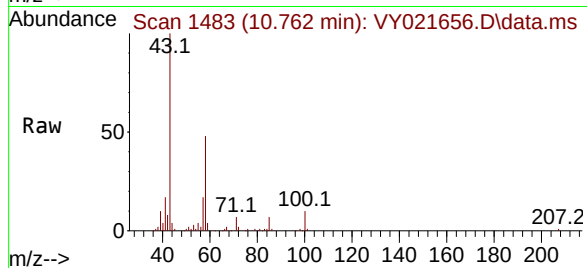
58 48.9 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 5.231 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021656.D

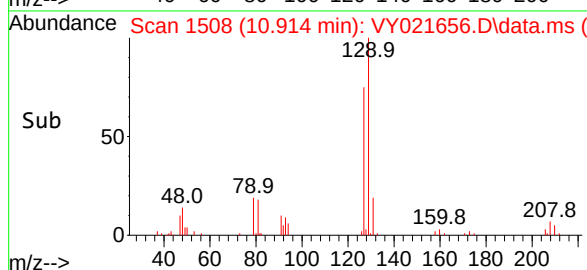
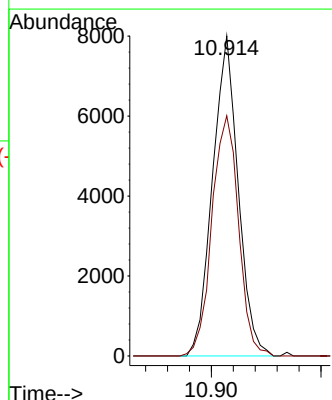
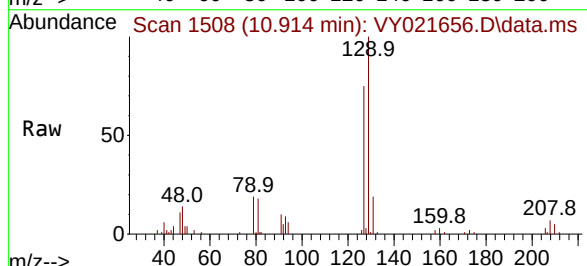
Acq: 27 Mar 2025 10:08

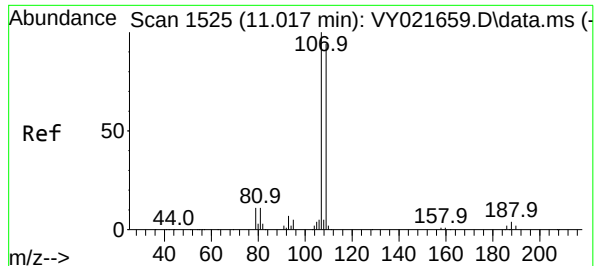
Tgt Ion:129 Resp: 13002

Ion Ratio Lower Upper

129 100

127 77.8 38.6 115.7





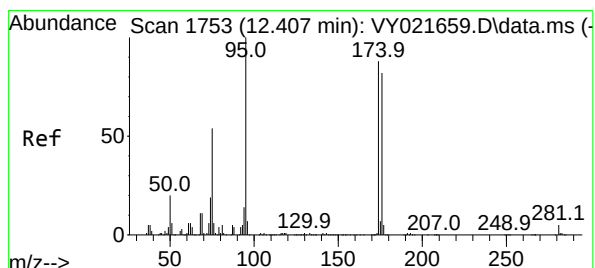
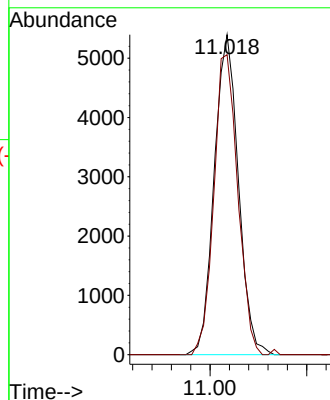
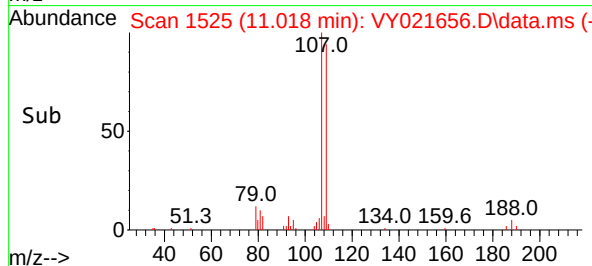
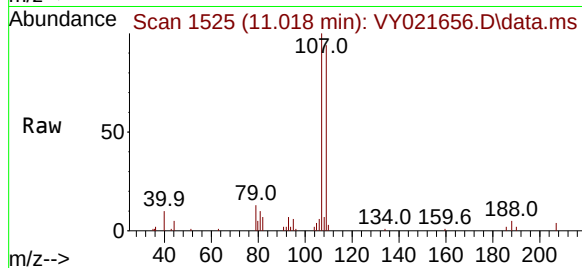
#61
1,2-Dibromoethane
Concen: 5.472 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:107 Resp: 934
Ion Ratio Lower Upper
107 100
109 92.9 74.4 111.6

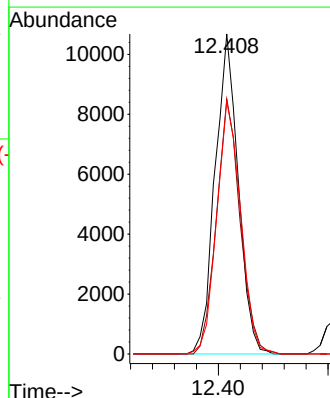
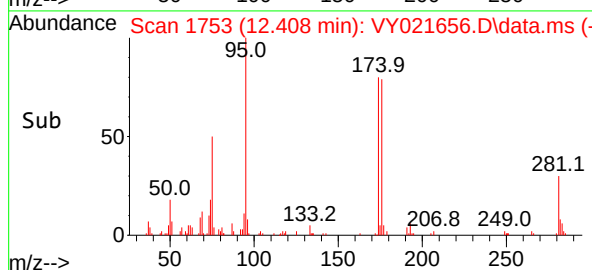
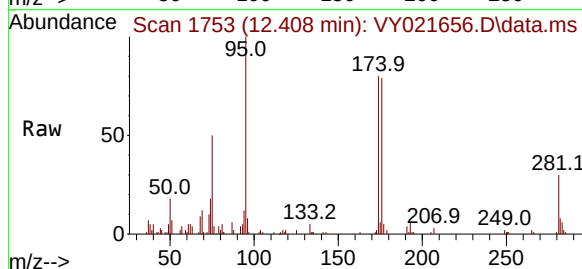
Manual Integrations
APPROVED

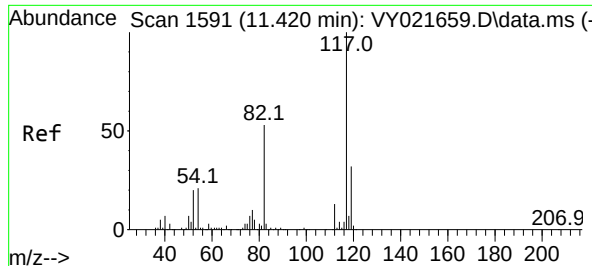
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 5.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

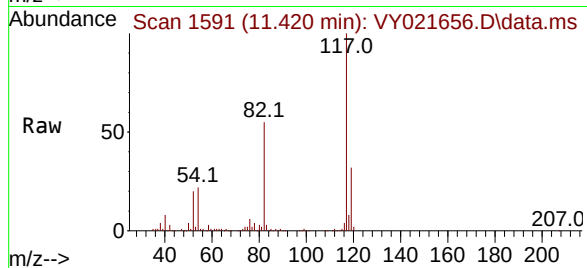
Tgt Ion: 95 Resp: 15657
Ion Ratio Lower Upper
95 100
174 81.4 0.0 170.8
176 81.7 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

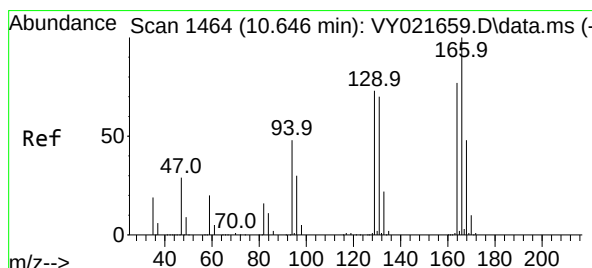
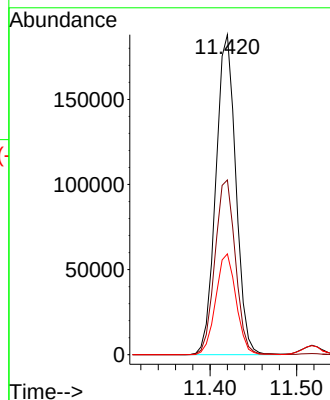
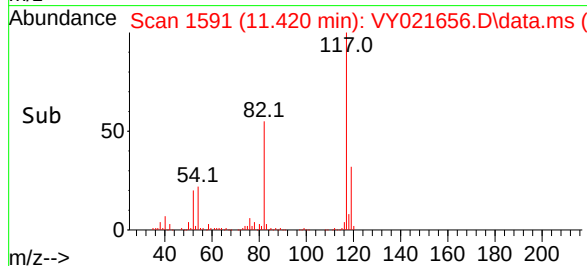
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:117 Resp: 30138
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 31.5 25.7 38.5

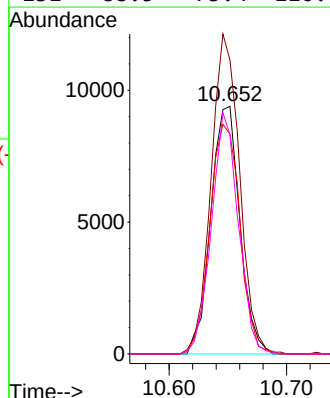
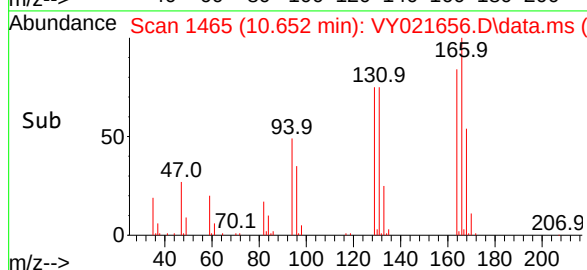
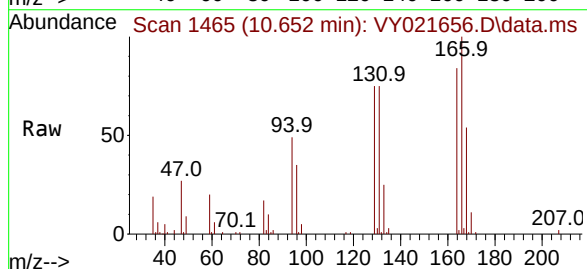
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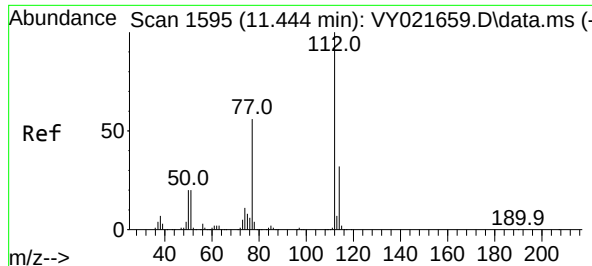
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 5.860 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:164 Resp: 16085
Ion Ratio Lower Upper
164 100
166 118.7 104.6 156.8
129 88.8 76.6 114.8
131 88.5 73.4 110.0





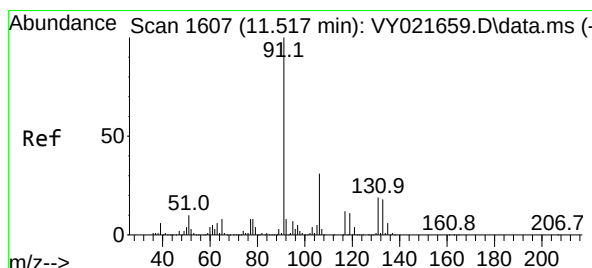
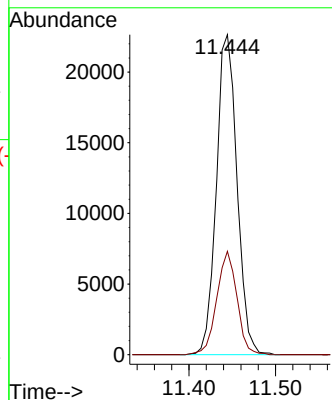
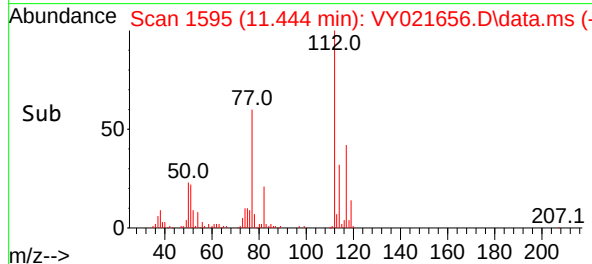
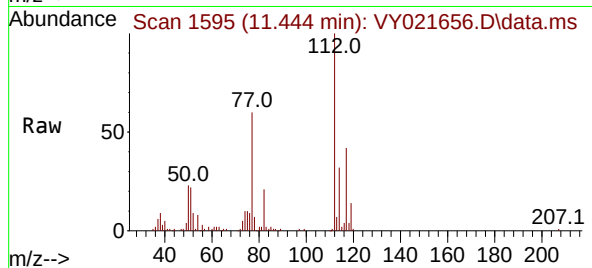
#65
Chlorobenzene
Concen: 5.429 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 3750
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

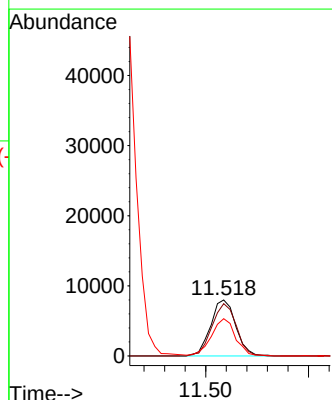
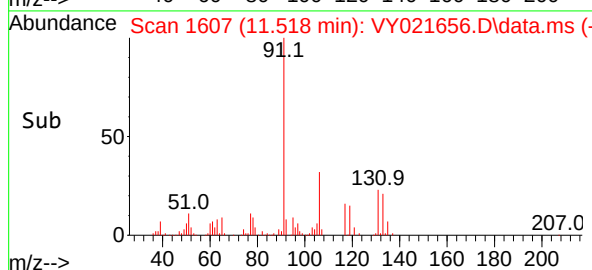
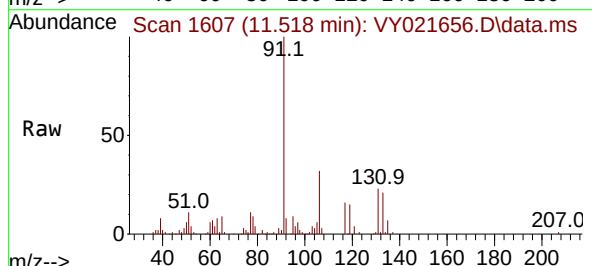
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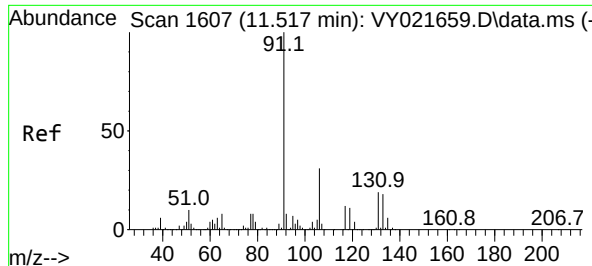
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:131 Resp: 13496
Ion Ratio Lower Upper
131 100
133 91.0 47.3 141.8
119 64.0 31.6 95.0





#67

Ethyl Benzene

Concen: 4.959 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 58750

Ion Ratio Lower Upper

91 100

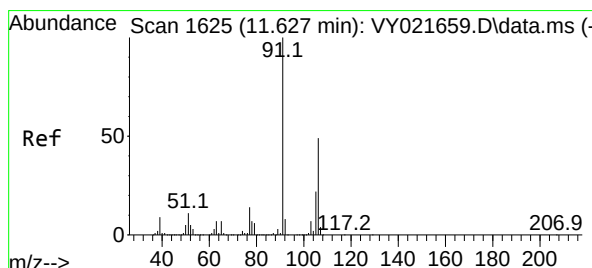
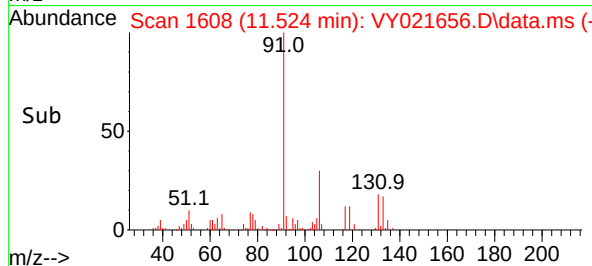
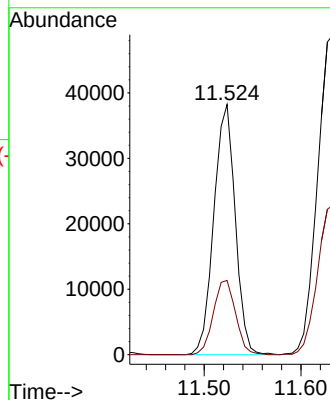
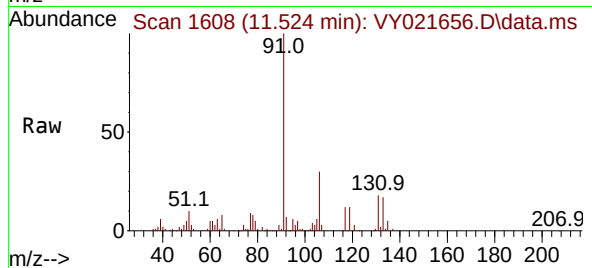
106 29.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 9.652 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021656.D

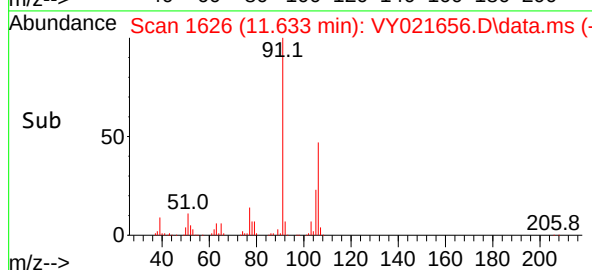
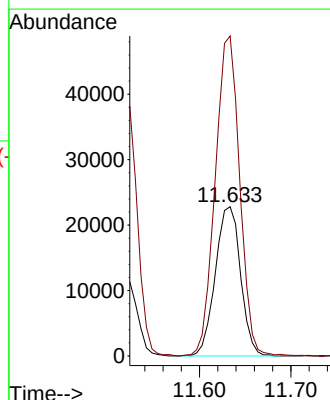
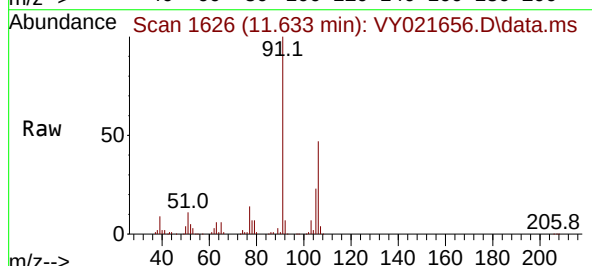
Acq: 27 Mar 2025 10:08

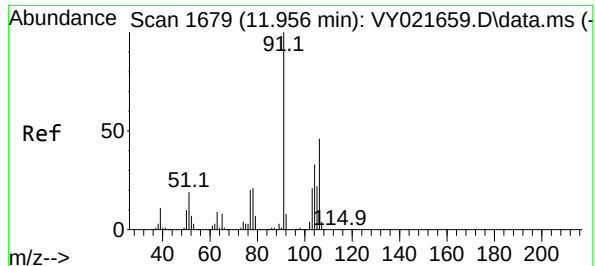
Tgt Ion:106 Resp: 43785

Ion Ratio Lower Upper

106 100

91 208.3 162.4 243.6





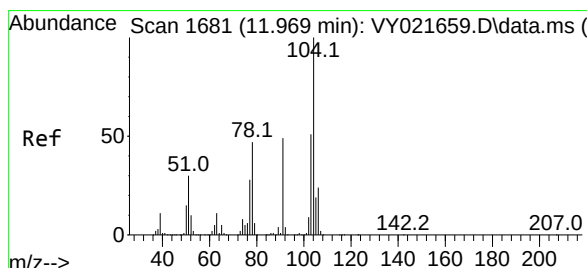
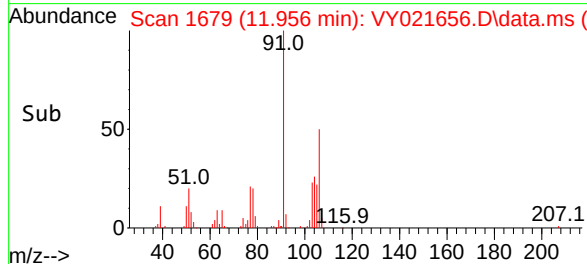
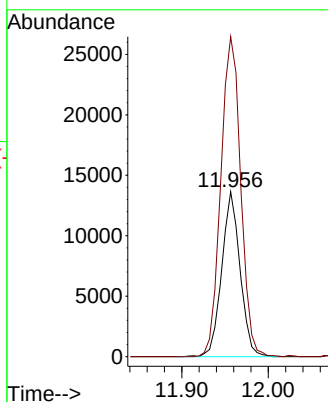
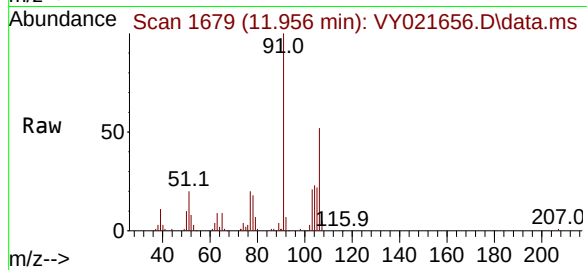
#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 2004
Ion Ratio Lower Upper
106 100
91 210.7 106.7 319.9

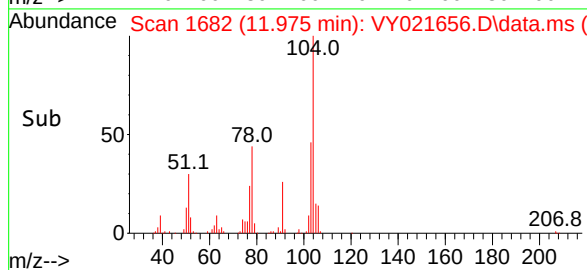
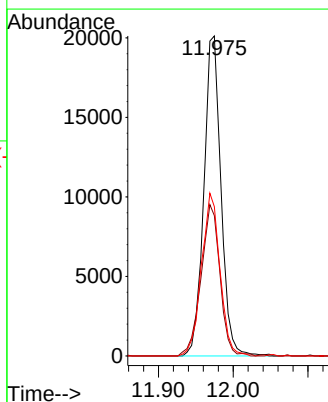
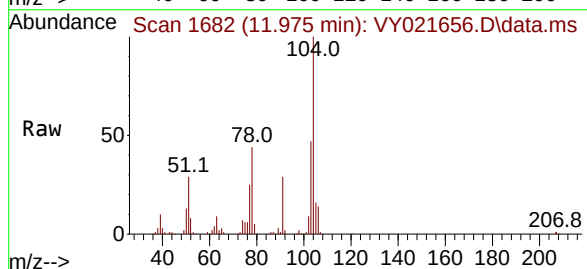
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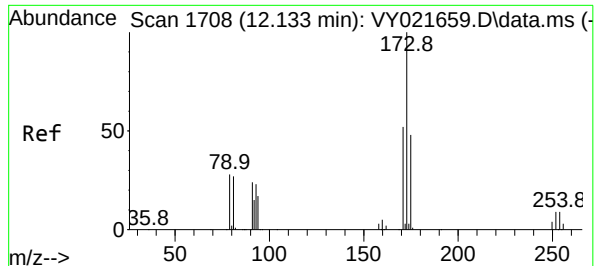
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 4.594 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

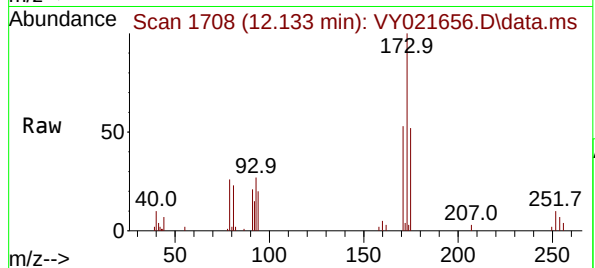
Tgt Ion:104 Resp: 32075
Ion Ratio Lower Upper
104 100
78 52.0 40.8 61.2
103 54.8 44.2 66.2





#71
Bromoform
Concen: 5.187 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

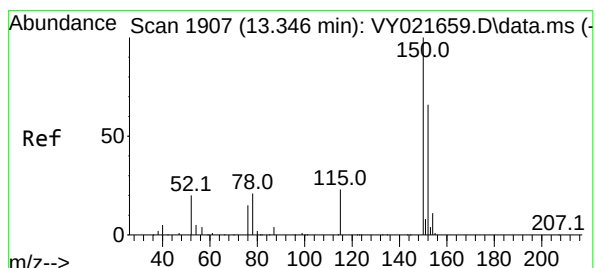
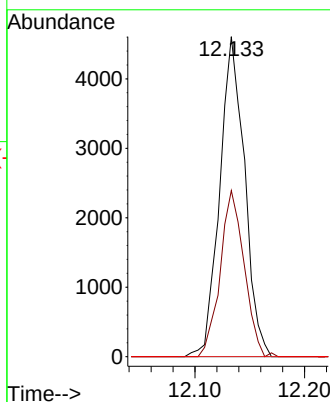
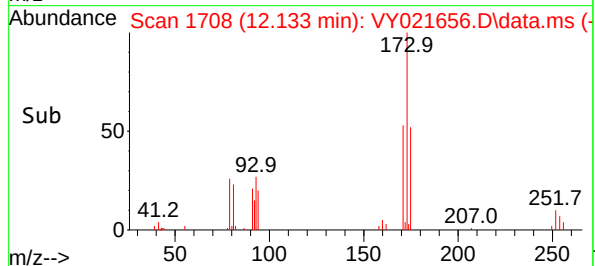
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



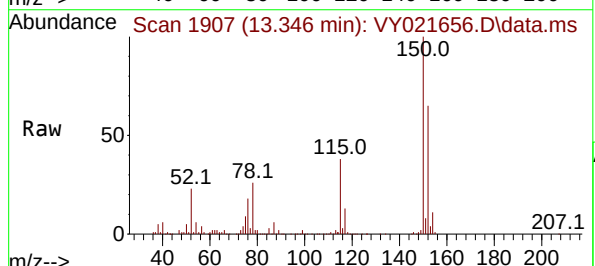
Tgt Ion:173 Resp: 725
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
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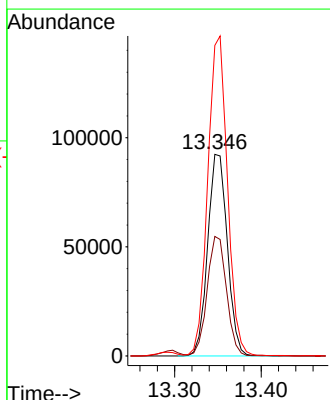
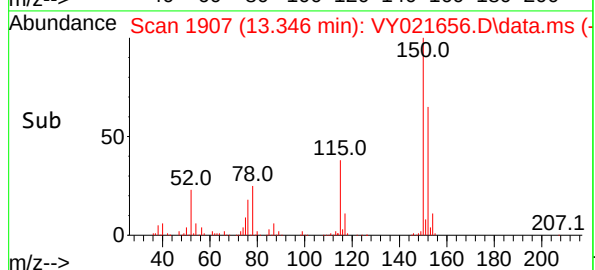
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

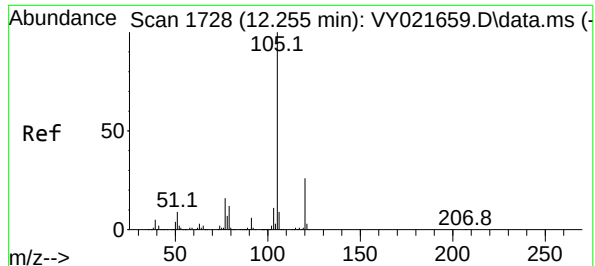


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



Tgt Ion:152 Resp: 145682
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 158.9 0.0 348.4





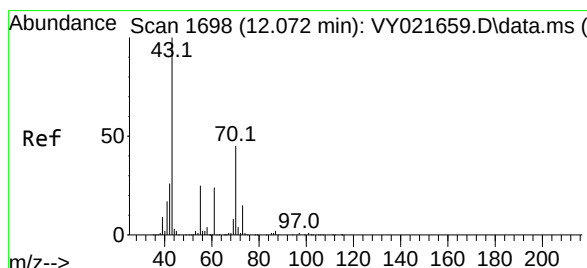
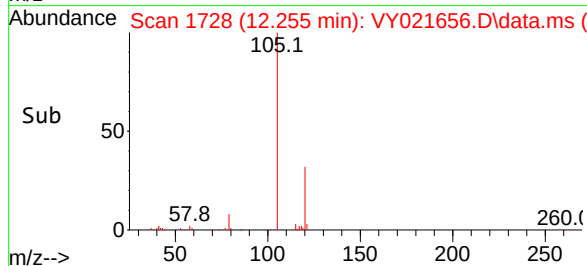
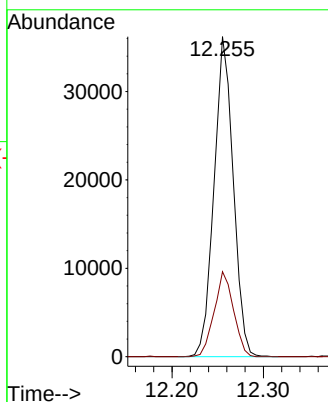
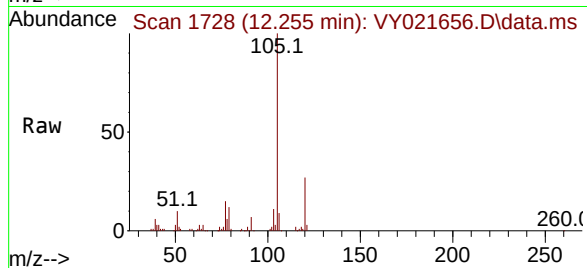
#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 52860
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5

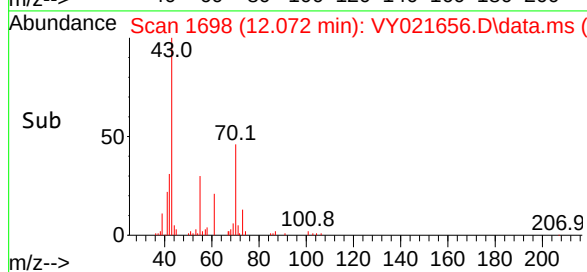
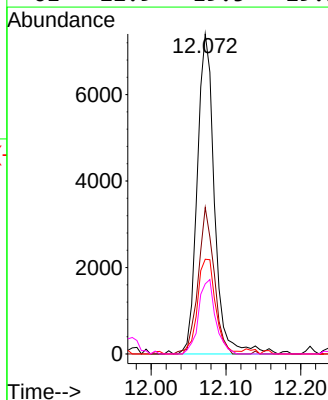
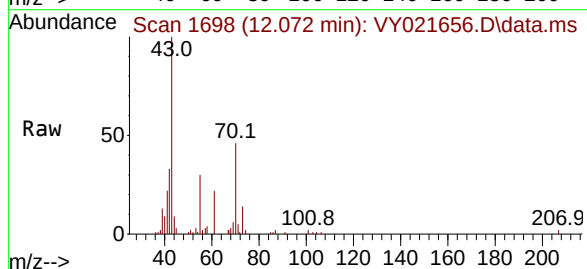
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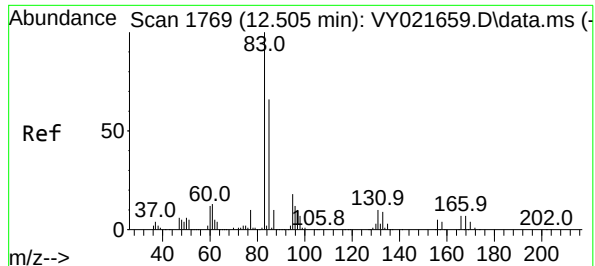
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 4.660 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
70 42.3 34.7 52.1
55 31.4 21.2 31.8
61 22.9 19.5 29.3





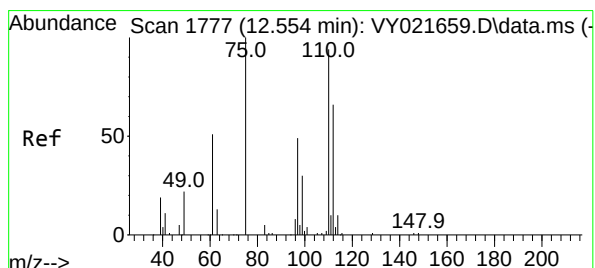
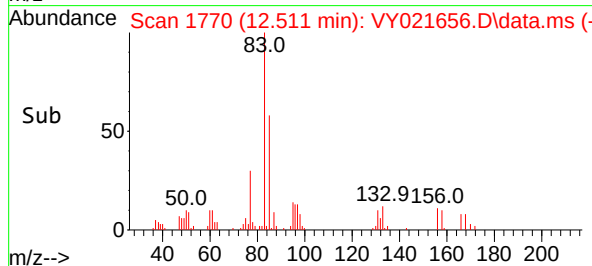
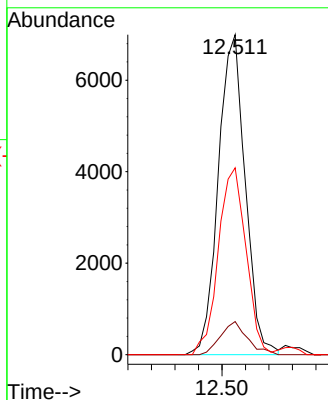
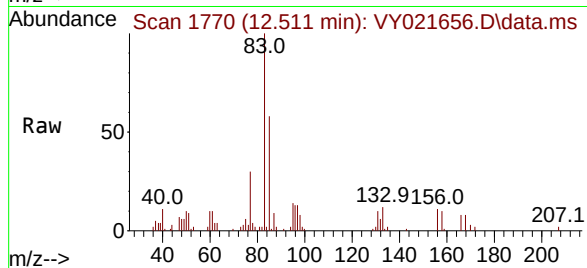
#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1113
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 60.1 32.3 96.8

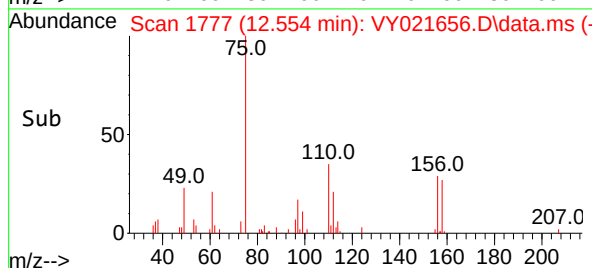
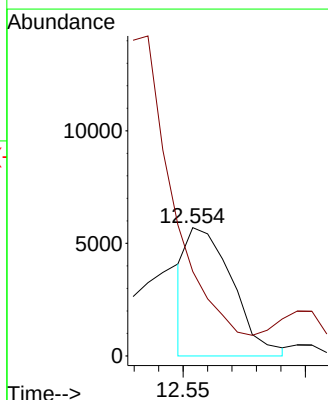
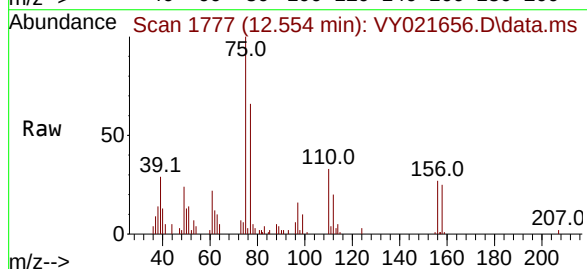
Manual Integrations
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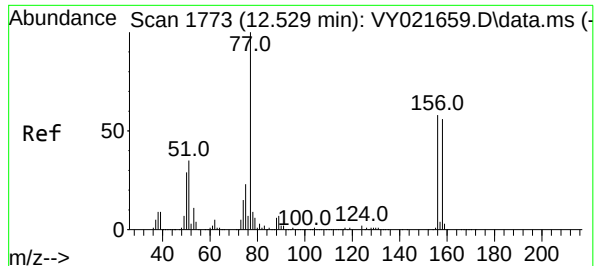
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 5.106 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 7373
Ion Ratio Lower Upper
75 100
77 351.5 0.0 0.0#





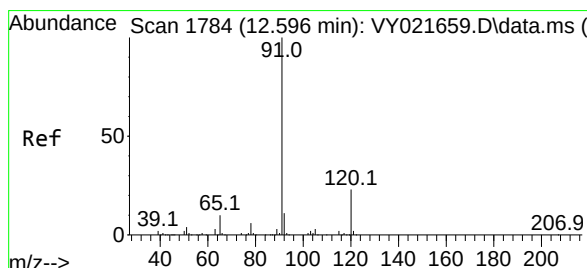
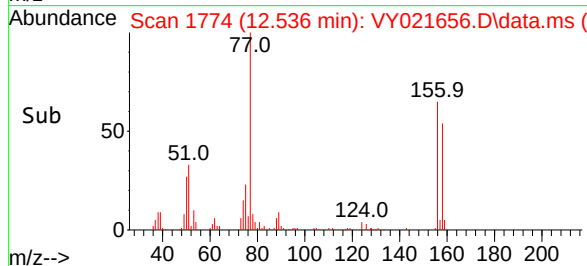
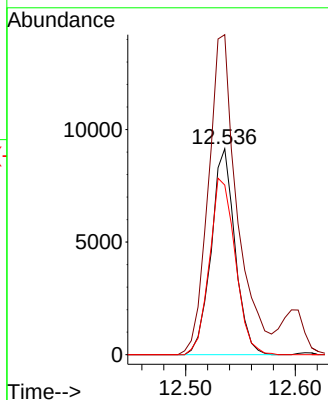
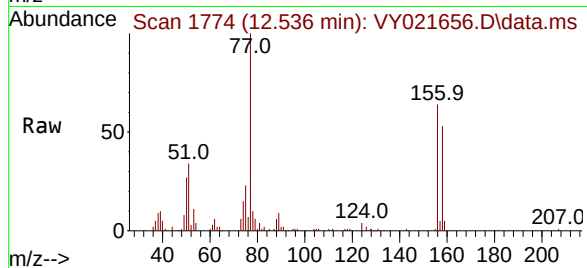
#77
Bromobenzene
Concen: 5.305 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 1378
Ion Ratio Lower Upper
156 100
77 188.0 92.8 278.3
158 93.2 48.5 145.6

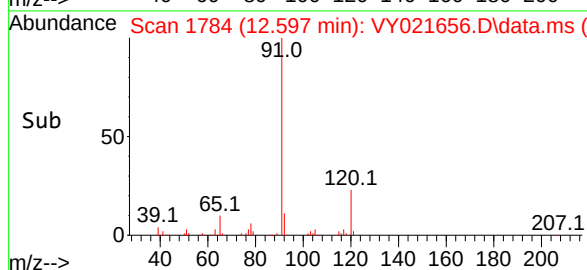
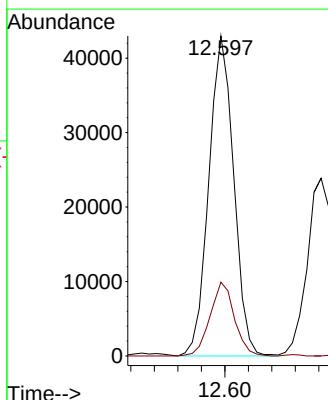
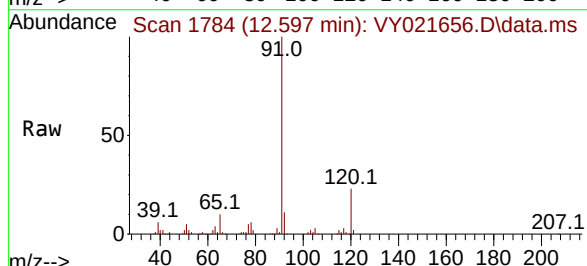
Manual Integrations
APPROVED

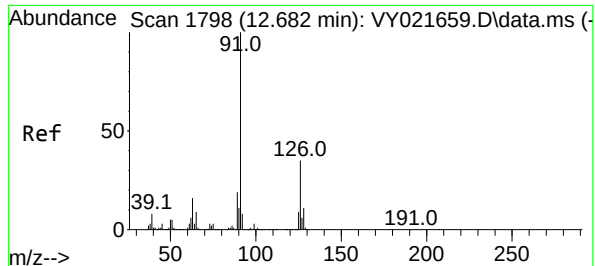
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 4.868 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 63324
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 5.044 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 3810

Ion Ratio Lower Upper

91 100

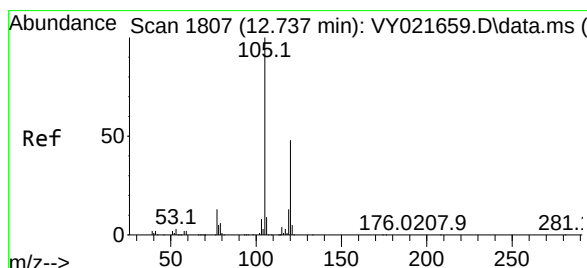
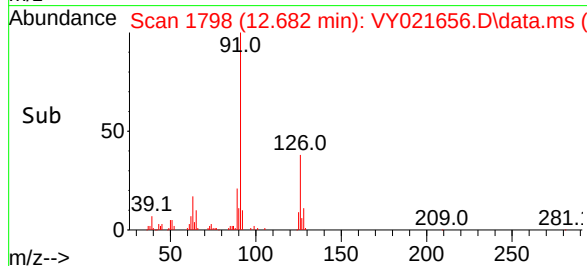
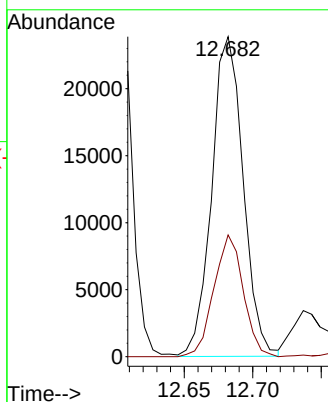
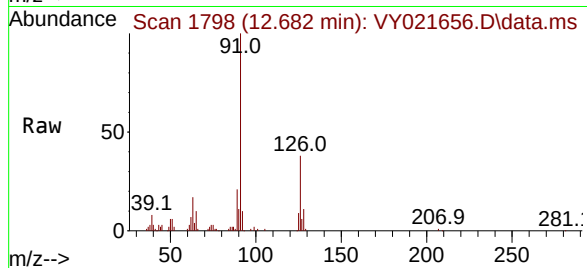
126 35.6 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.806 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021656.D

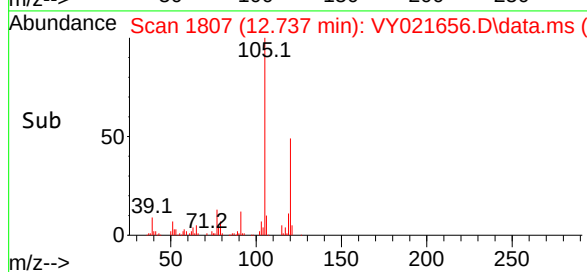
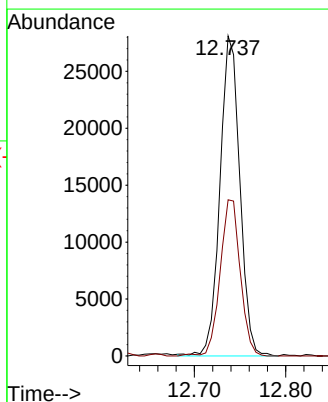
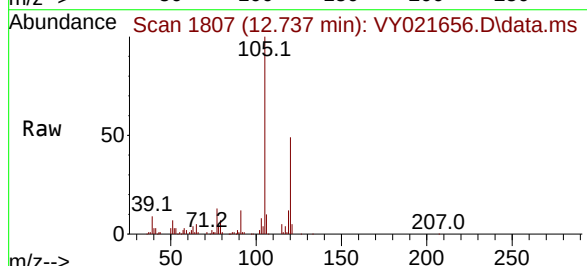
Acq: 27 Mar 2025 10:08

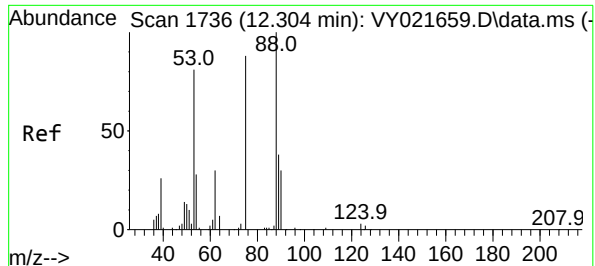
Tgt Ion:105 Resp: 42499

Ion Ratio Lower Upper

105 100

120 49.5 24.5 73.5





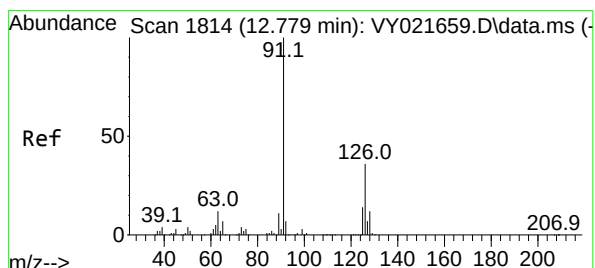
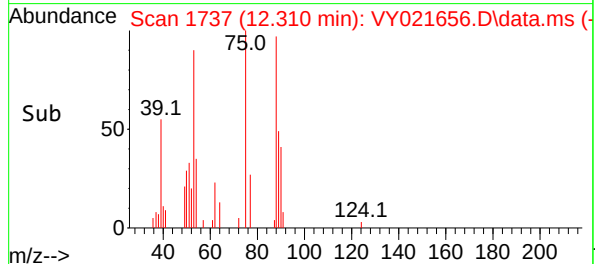
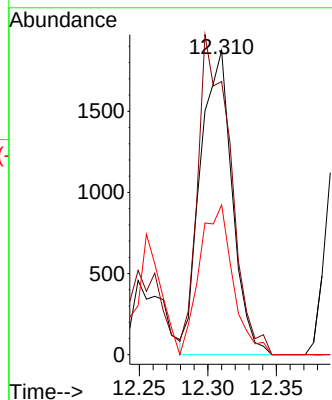
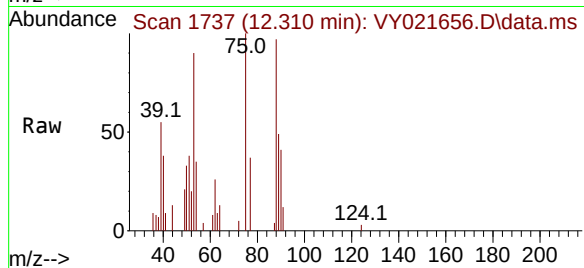
#81
trans-1,4-Dichloro-2-butene
Concen: 4.823 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	107.4	76.1	114.1
89	51.7	36.2	54.4

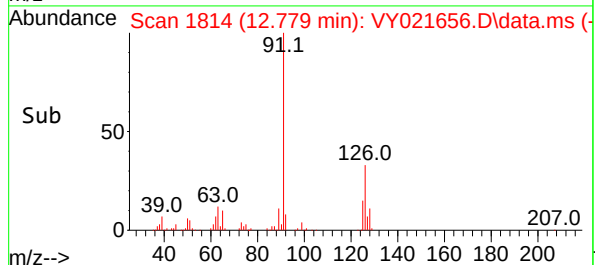
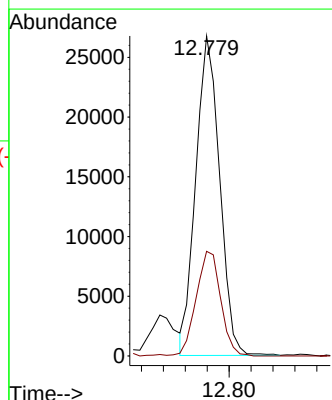
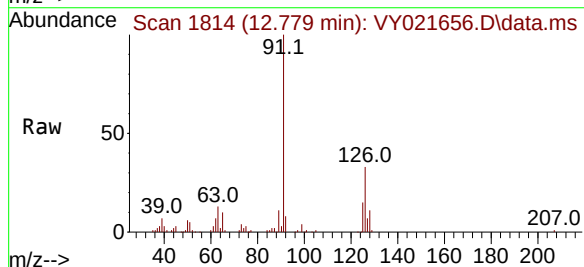
Manual Integrations
APPROVED

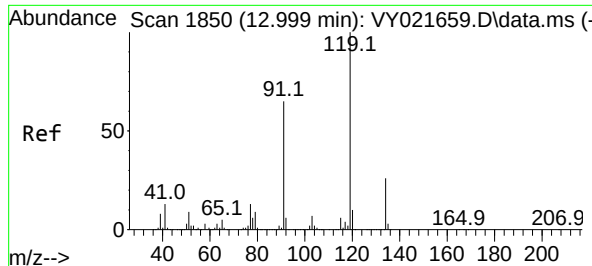
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





#83

tert-Butylbenzene

Concen: 4.801 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

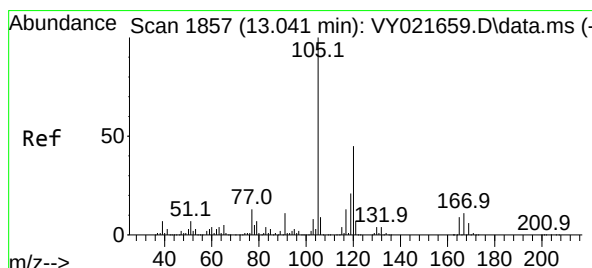
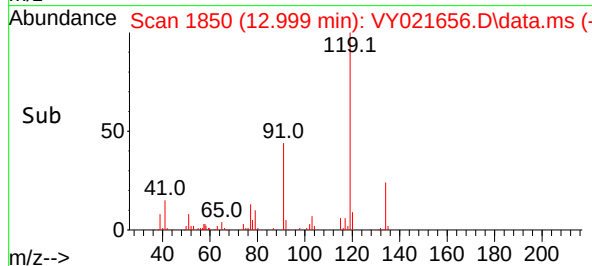
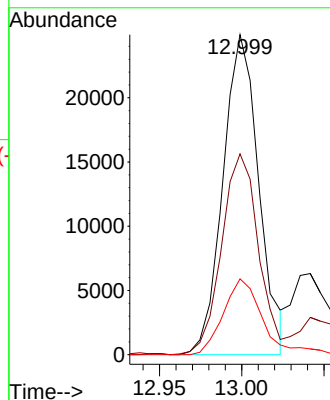
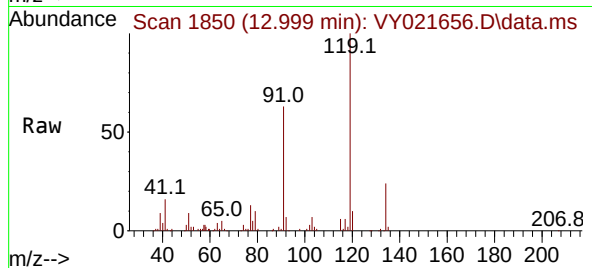
ClientSampleId :

VSTDIC005

Tgt Ion:	119	Resp:	3781
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.6	97.7
134	26.1	13.2	39.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.639 ug/l

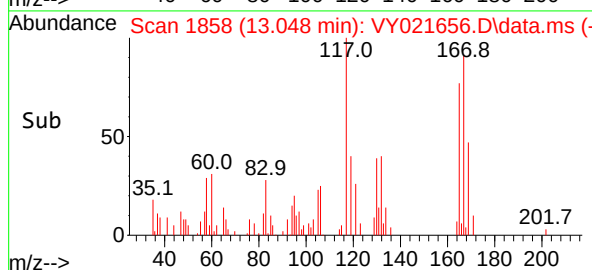
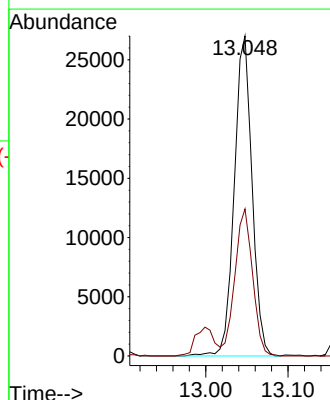
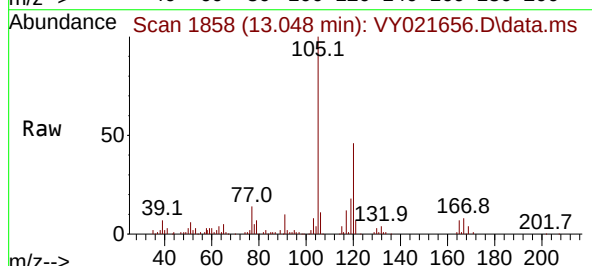
RT: 13.048 min Scan# 1858

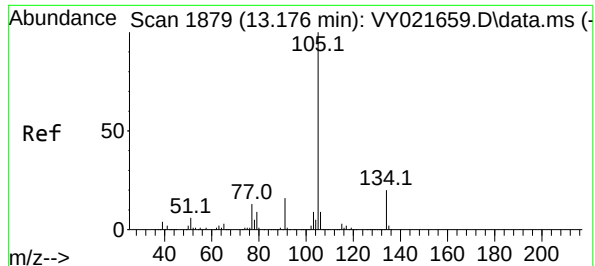
Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	105	Resp:	40547
Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 4.858 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 55918

Ion Ratio Lower Upper

105 100

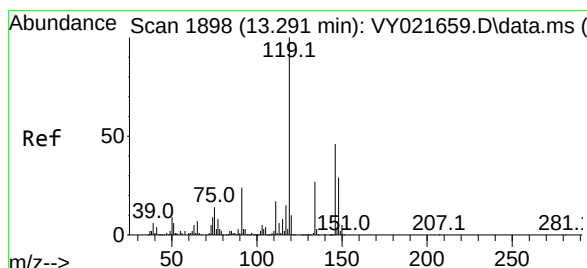
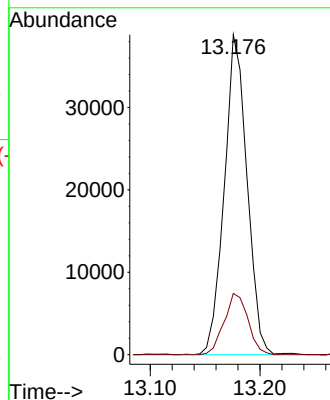
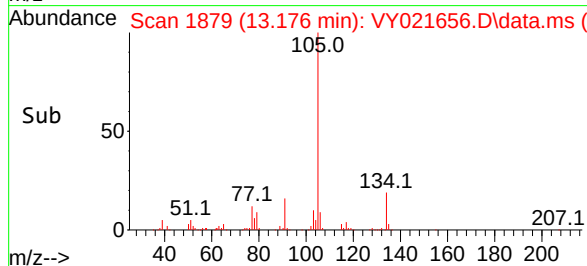
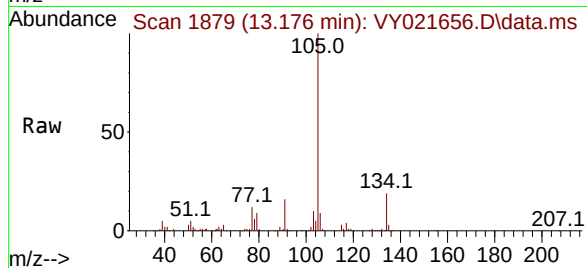
134 20.0 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 4.595 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

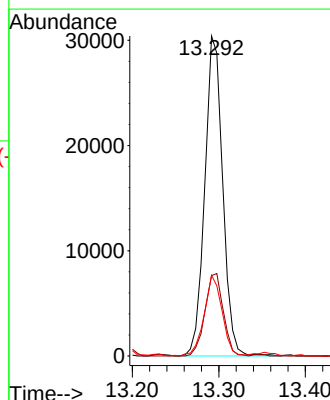
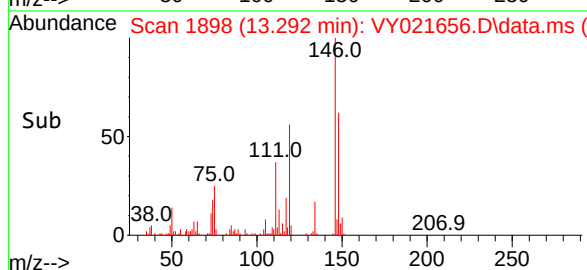
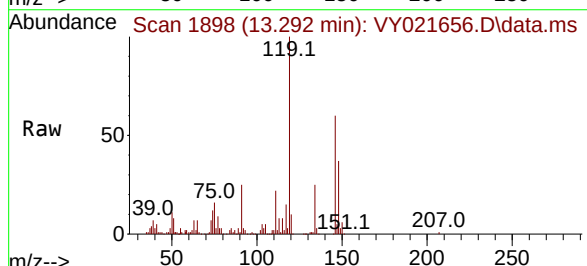
Tgt Ion:119 Resp: 43714

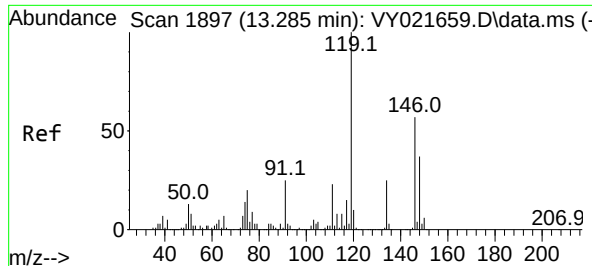
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 25.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 5.393 ug/l

RT: 13.292 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

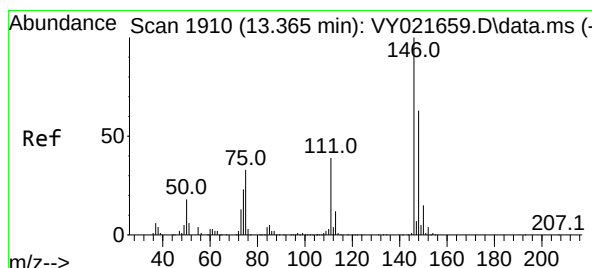
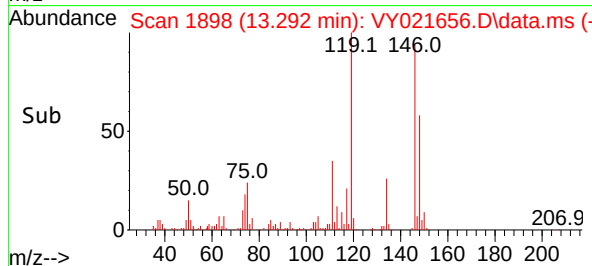
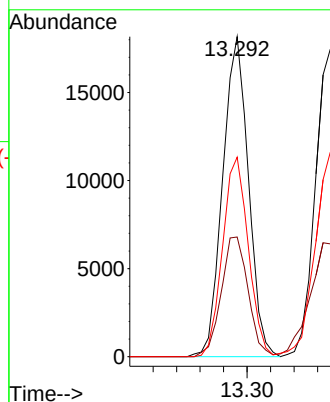
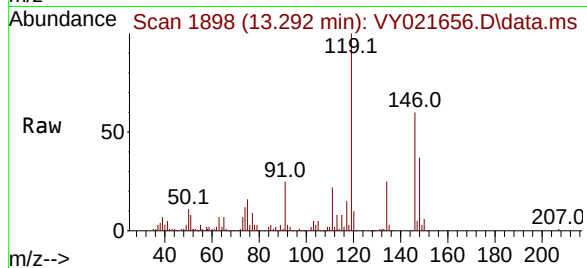
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	27604
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.0	60.0
148	62.4	31.8	95.4

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#88

1,4-Dichlorobenzene

Concen: 5.405 ug/l

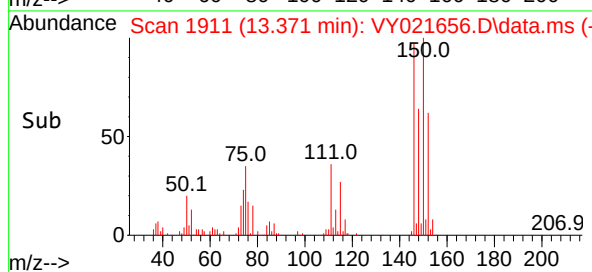
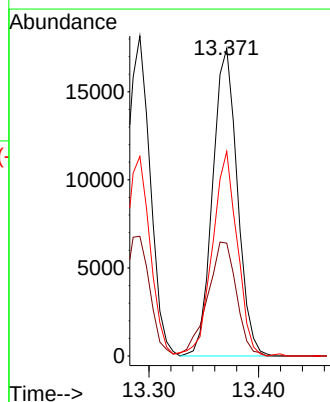
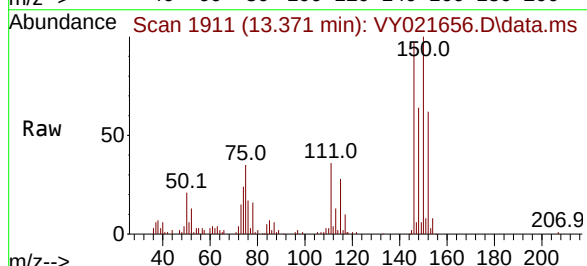
RT: 13.371 min Scan# 1911

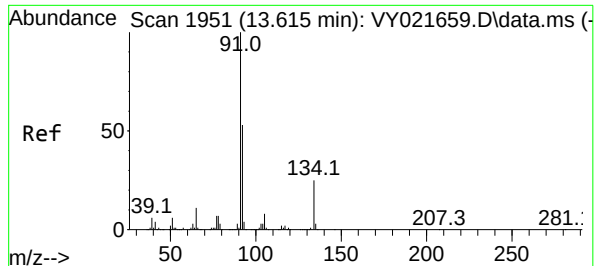
Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion:	146	Resp:	27332
Ion Ratio	Lower	Upper	
146	100		
111	43.4	19.1	57.1
148	66.9	31.5	94.5





#89

n-Butylbenzene

Concen: 4.785 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

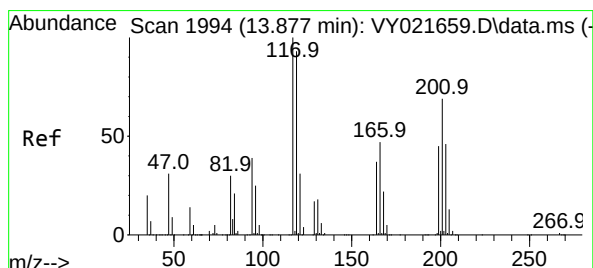
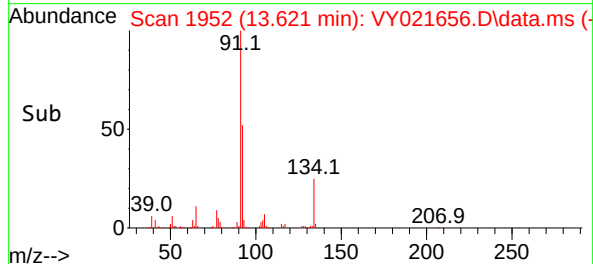
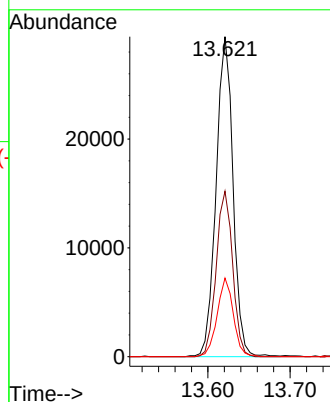
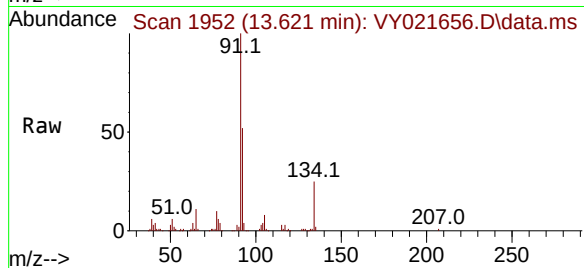
VSTDIC005

Tgt Ion: 91	Resp: 4210
Ion Ratio	Lower Upper
91 100	
92 50.2	26.4 79.2
134 23.5	12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 5.573 ug/l

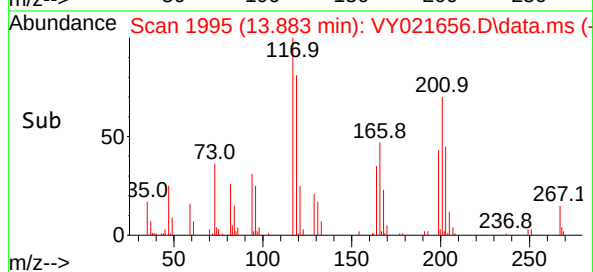
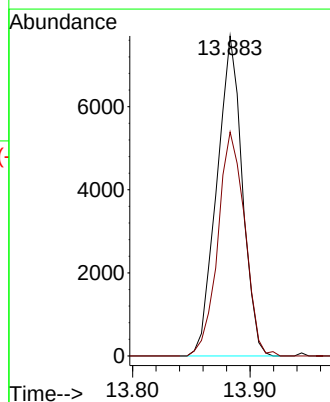
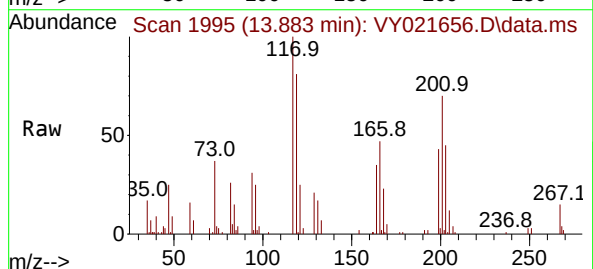
RT: 13.883 min Scan# 1995

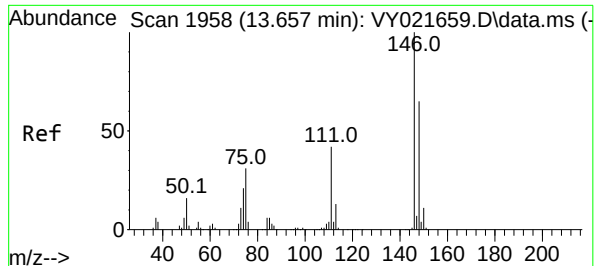
Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 117	Resp: 11619
Ion Ratio	Lower Upper
117 100	
201 73.9	37.4 112.1





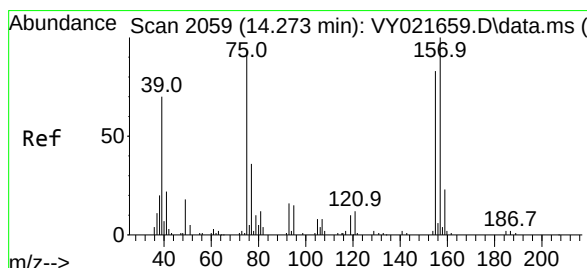
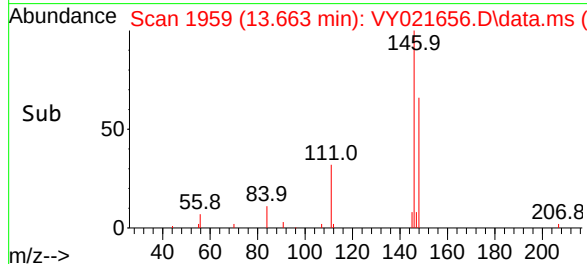
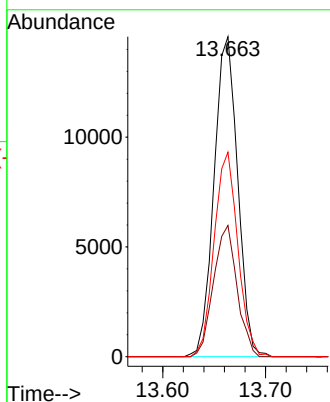
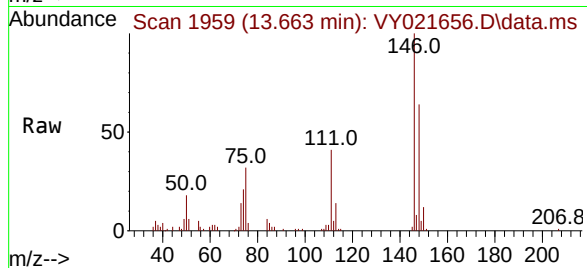
#91
1,2-Dichlorobenzene
Concen: 5.224 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 2327
Ion Ratio Lower Upper
146 100
111 40.8 20.7 62.1
148 64.1 32.3 96.9

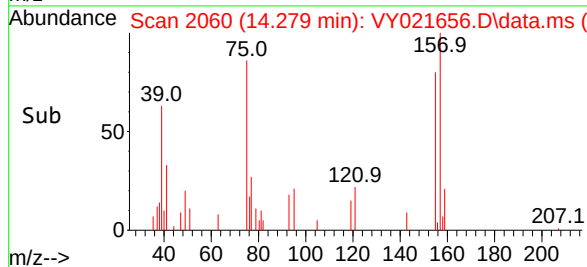
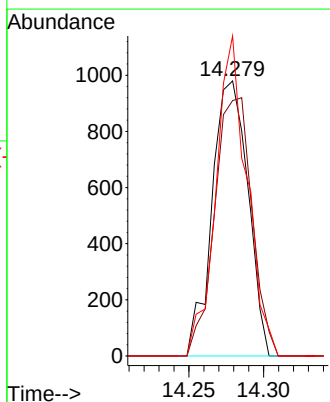
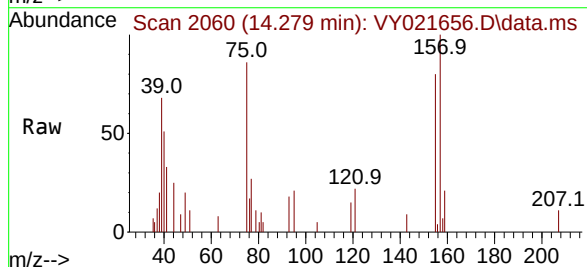
Manual Integrations
APPROVED

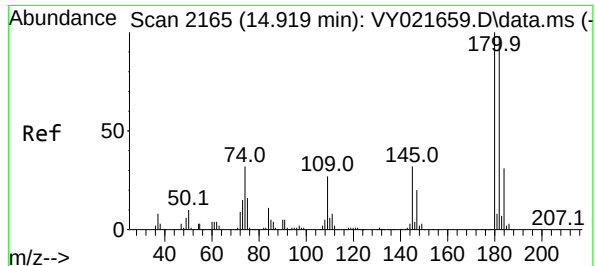
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.419 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 1634
Ion Ratio Lower Upper
75 100
155 97.6 43.0 128.8
157 100.8 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 4.647 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021656.D

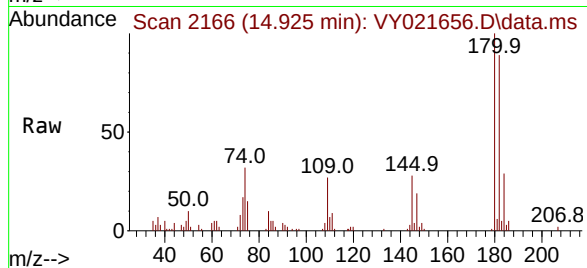
Acq: 27 Mar 2025 10:08

Instrument :

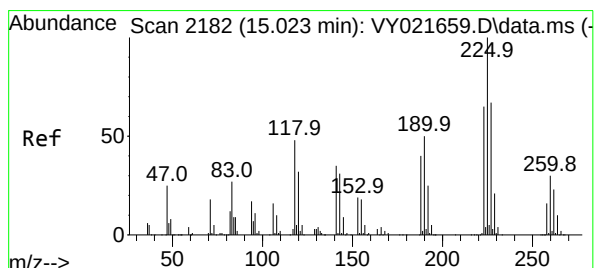
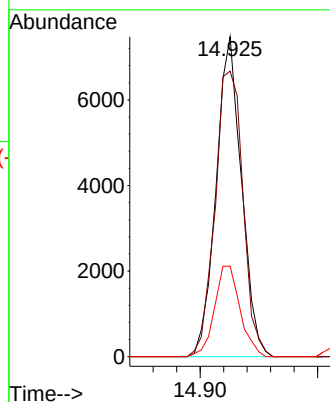
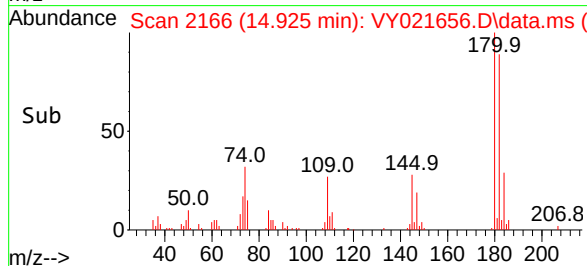
MSVOA_Y

ClientSampleId :

VSTDIC005



Tgt Ion:	180	Resp:	11228
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.5	142.6
145	28.5	14.9	44.9

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#94

Hexachlorobutadiene

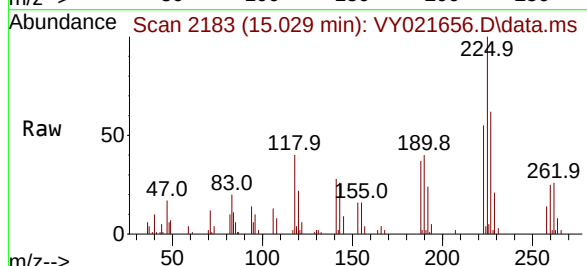
Concen: 5.484 ug/l

RT: 15.029 min Scan# 2183

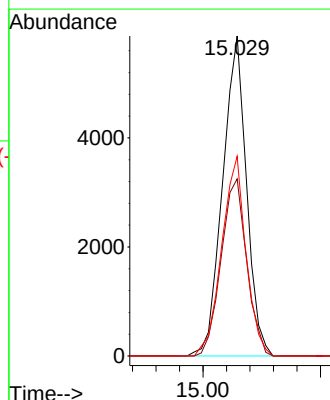
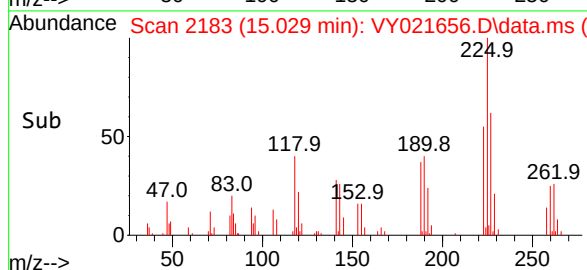
Delta R.T. 0.006 min

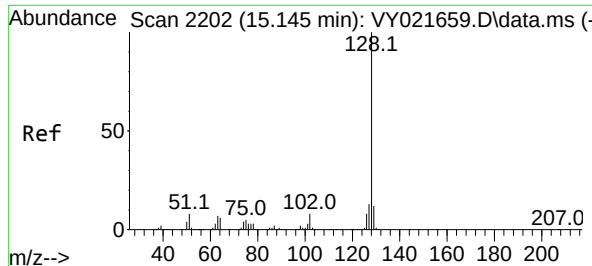
Lab File: VY021656.D

Acq: 27 Mar 2025 10:08



Tgt Ion:	225	Resp:	8276
Ion Ratio	Lower	Upper	
225	100		
223	59.2	31.9	95.7
227	63.5	32.4	97.0





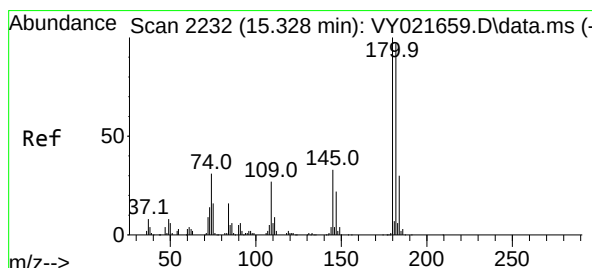
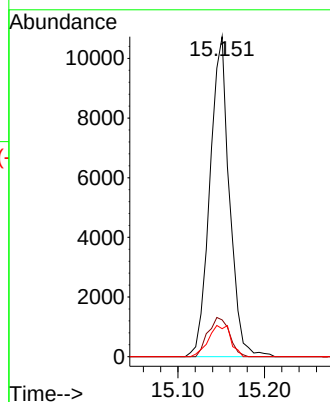
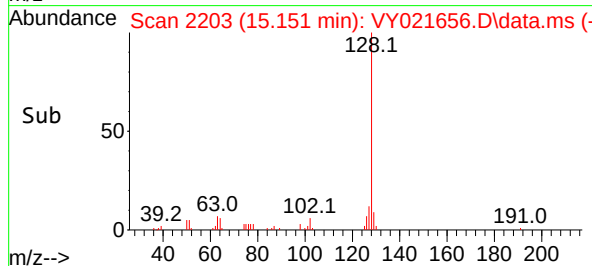
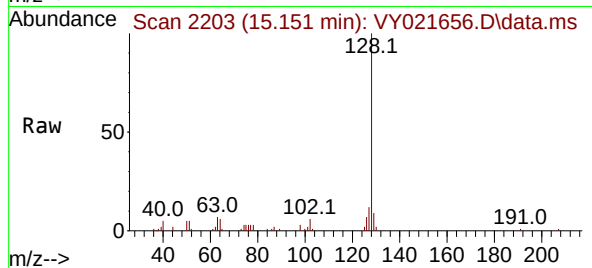
#95
Naphthalene
Concen: 4.194 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 16790
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.2 8.8 13.2

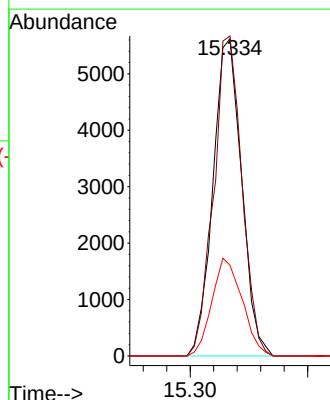
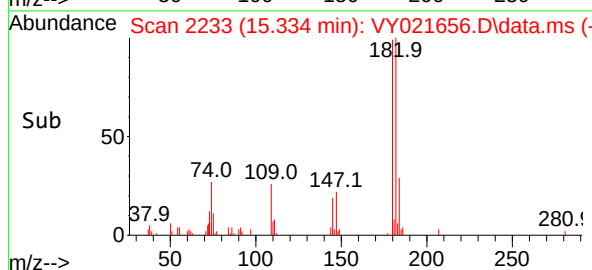
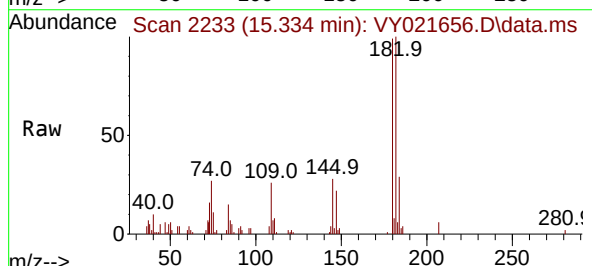
Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.619 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:180 Resp: 9518
Ion Ratio Lower Upper
180 100
182 99.4 47.5 142.5
145 32.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#		
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#		
50) Toluene-d8	10.103	98	88000	10.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#		
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l	99
3) Chloromethane	2.068	50	34949	10.633	ug/l	99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l	96
5) Bromomethane	2.592	94	27670	10.914	ug/l	97
6) Chloroethane	2.733	64	25703	10.567	ug/l	98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l	100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l	98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l	99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l	88
13) Acrolein	3.653	56	15799	54.518	ug/l	100
14) Allyl chloride	4.379	41	39045	10.352	ug/l	97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l	98
16) Acetone	3.867	43	27669	55.329	ug/l	99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l #	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l	98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l	96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l	93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l	98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l	98
25) 2-Butanone	6.890	43	37356	52.299	ug/l	97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l	100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l	99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l	97
30) Chloroform	7.421	83	51464	10.459	ug/l	98
31) Cyclohexane	7.701	56	46569	10.798	ug/l #	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l	98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l	99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l	98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l	98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l	98
40) Benzene	8.079	78	108360	10.322	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635	ug/l	
42) 1,2-Dichloroethane	8.158	62	31606	10.679	ug/l	100
43) Isopropyl Acetate	8.195	43	33664	10.738	ug/l #	87
44) Trichloroethene	8.866	130	28275	10.571	ug/l	95
45) 1,2-Dichloropropane	9.140	63	25943	10.440	ug/l	99
46) Dibromomethane	9.231	93	15605	10.896	ug/l	94
47) Bromodichloromethane	9.427	83	38737	10.439	ug/l	99
48) Methyl methacrylate	9.219	41	14576	10.130	ug/l	98
49) 1,4-Dioxane	9.231	88	3077	200.565	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111	ug/l	98
52) Toluene	10.170	92	66889	10.212	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879	ug/l	95
56) Ethyl methacrylate	10.439	69	21901	9.307	ug/l	96
57) 1,3-Dichloropropane	10.713	76	33316	10.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274	ug/l	98
59) 2-Hexanone	10.762	43	54649	50.295	ug/l	100
60) Dibromochloromethane	10.914	129	26032	10.346	ug/l	94
61) 1,2-Dibromoethane	11.018	107	17722	10.251	ug/l	97
64) Tetrachloroethene	10.646	164	31334	11.036	ug/l	93
65) Chlorobenzene	11.444	112	73433	10.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060	ug/l	97
67) Ethyl Benzene	11.518	91	119480	9.750	ug/l	98
68) m/p-Xylenes	11.627	106	93887	20.009	ug/l	99
69) o-Xylene	11.957	106	41768	9.643	ug/l	98
70) Styrene	11.969	104	69196	9.581	ug/l	99
71) Bromoform	12.127	173	14887	10.294	ug/l #	98
73) Isopropylbenzene	12.255	105	112512	9.966	ug/l	100
74) N-amyl acetate	12.072	43	26259	9.910	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300	ug/l	
77) Bromobenzene	12.530	156	27648	10.199	ug/l	98
78) n-propylbenzene	12.597	91	135498	9.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	80079	10.158	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550	ug/l	99
82) 4-Chlorotoluene	12.780	91	83484	10.157	ug/l	100
83) tert-Butylbenzene	12.999	119	81296	9.892	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884	ug/l	100
85) sec-Butylbenzene	13.176	105	121575	10.122	ug/l	99
86) p-Isopropyltoluene	13.292	119	97092	9.781	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336	ug/l	95
89) n-Butylbenzene	13.615	91	89162	9.712	ug/l	98
90) Hexachloroethane	13.877	117	21881	10.059	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419	ug/l	99
94) Hexachlorobutadiene	15.023	225	15844	10.063	ug/l	99
95) Naphthalene	15.145	128	36711	8.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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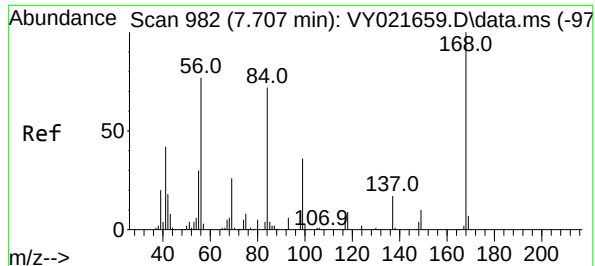
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025





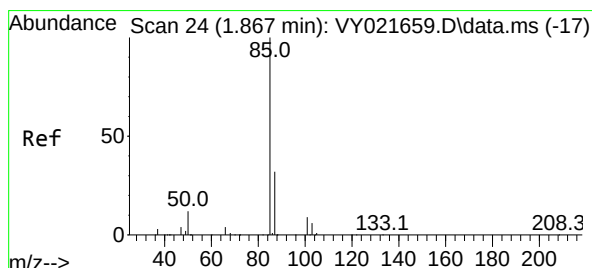
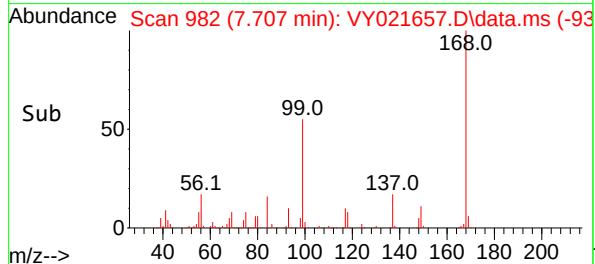
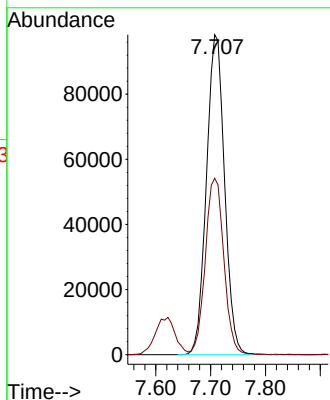
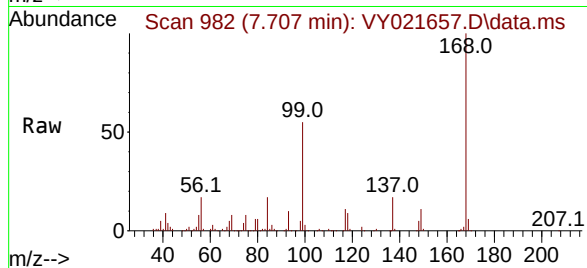
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 22552
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1

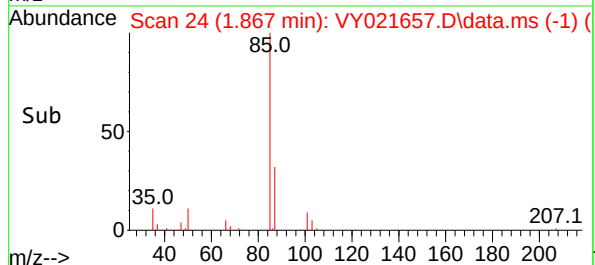
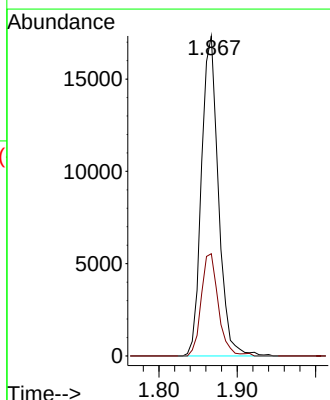
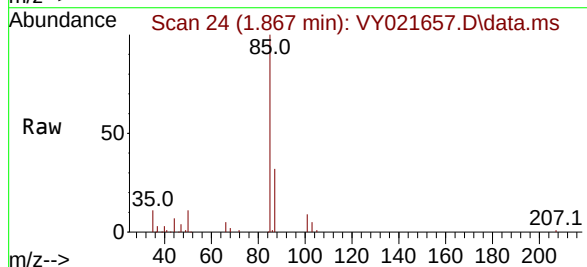
Manual Integrations
APPROVED

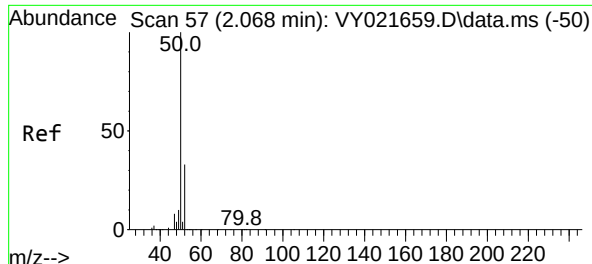
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 11.130 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 85 Resp: 26017
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6





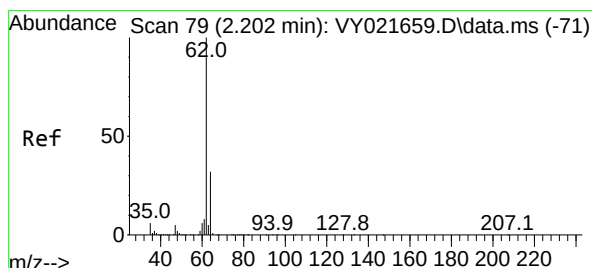
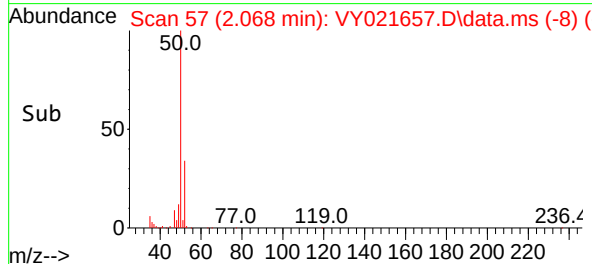
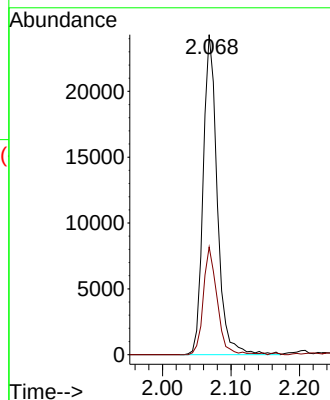
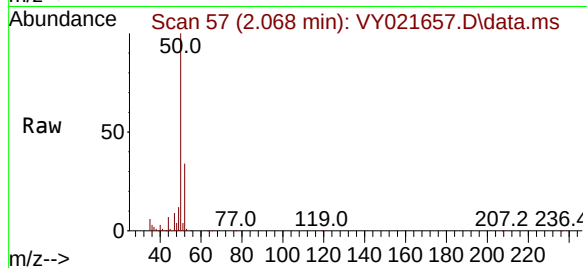
#3
Chloromethane
Concen: 10.633 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 34949
Ion Ratio Lower Upper
50 100
52 33.7 26.3 39.5

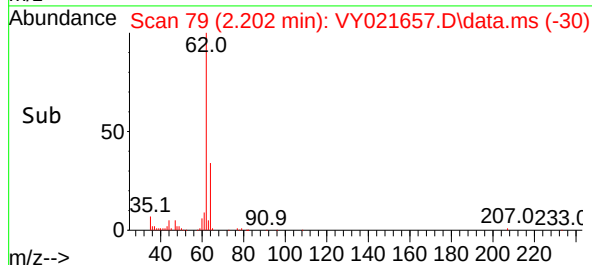
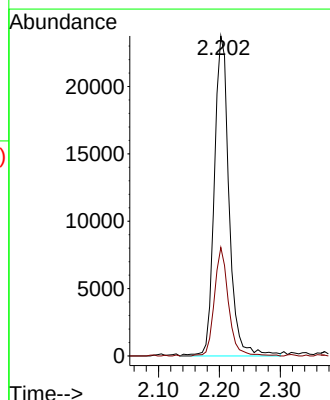
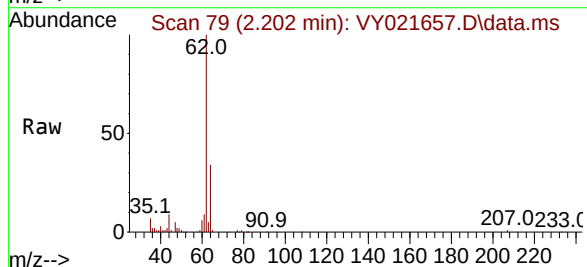
Manual Integrations
APPROVED

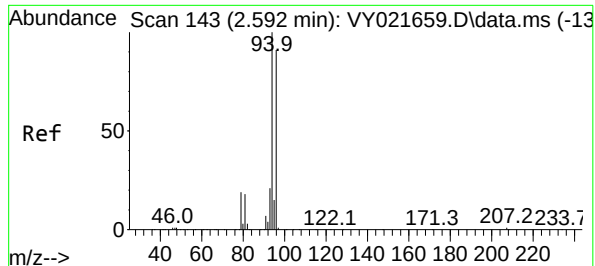
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 10.756 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 39982
Ion Ratio Lower Upper
62 100
64 33.9 25.5 38.3





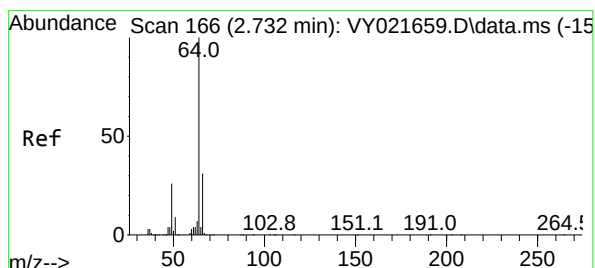
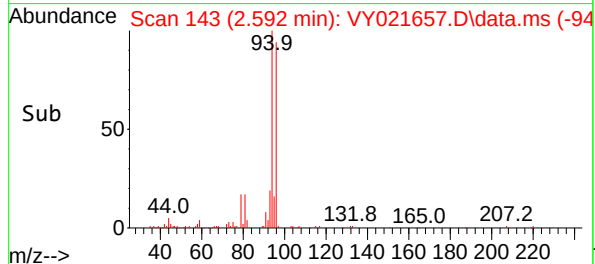
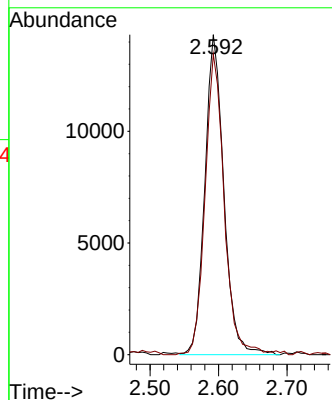
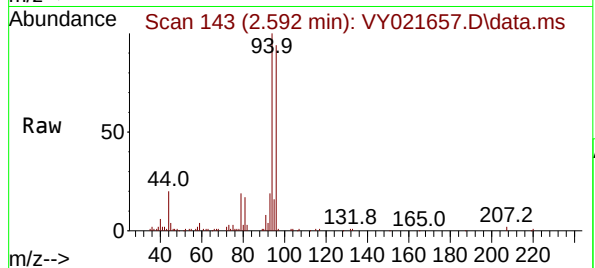
#5
Bromomethane
Concen: 10.914 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 94 Resp: 27670
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2

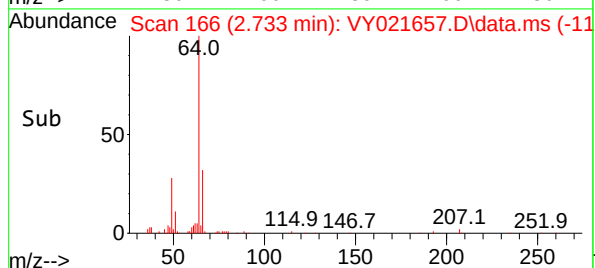
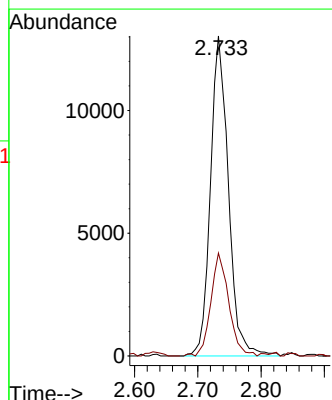
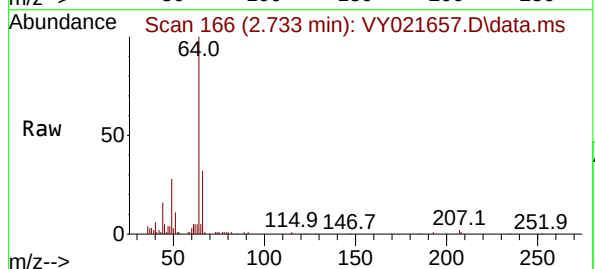
Manual Integrations
APPROVED

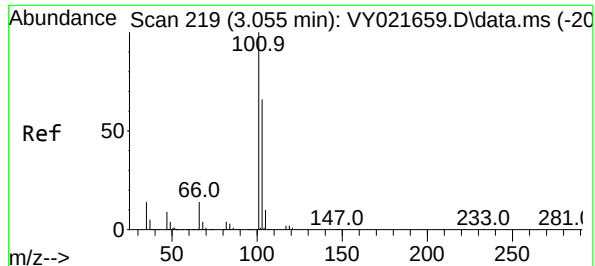
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 64 Resp: 25703
Ion Ratio Lower Upper
64 100
66 32.1 24.9 37.3





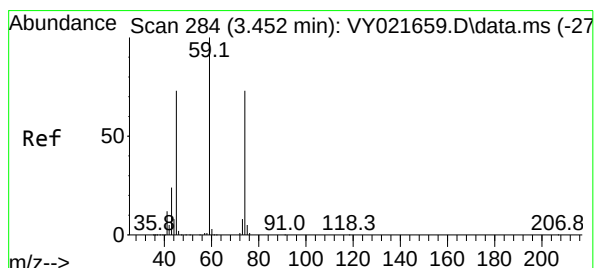
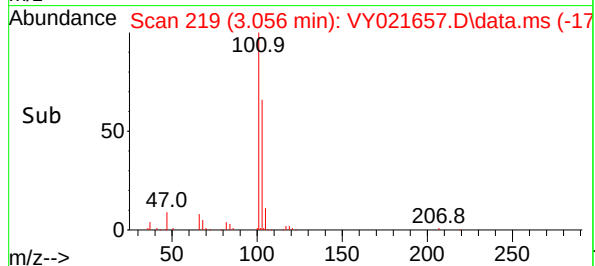
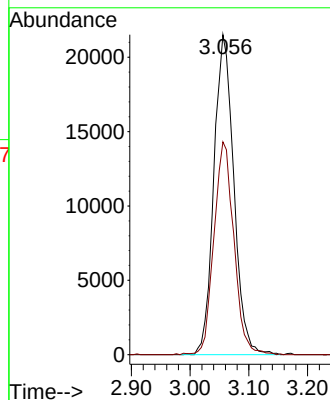
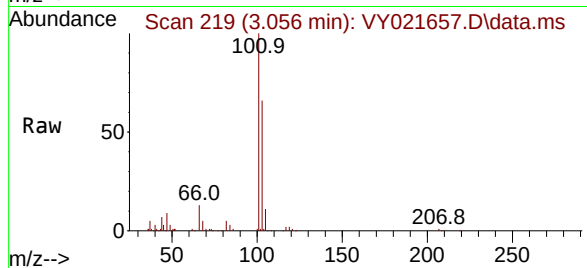
#7
Trichlorofluoromethane
Concen: 10.650 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 5071
Ion Ratio Lower Upper
101 100
103 66.5 53.1 79.7

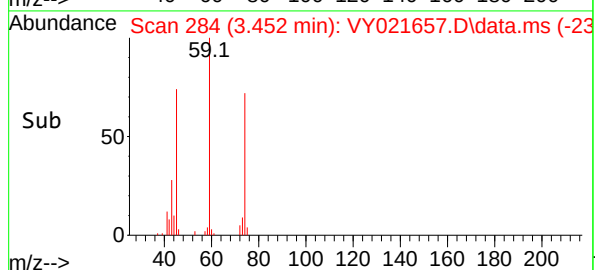
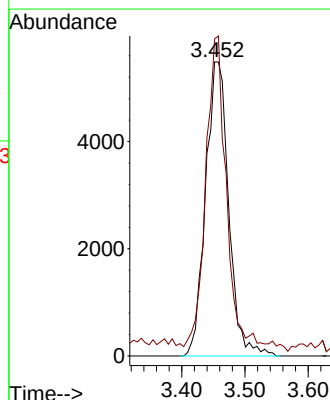
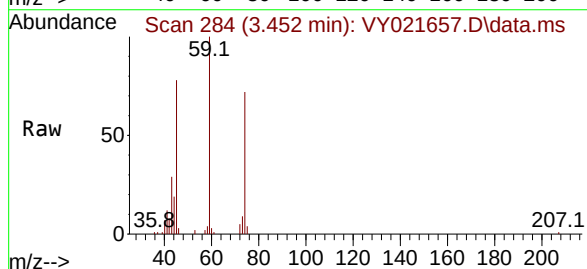
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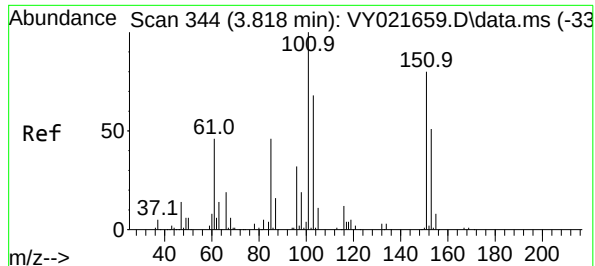
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 10.765 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 74 Resp: 13940
Ion Ratio Lower Upper
74 100
45 92.0 48.6 145.8





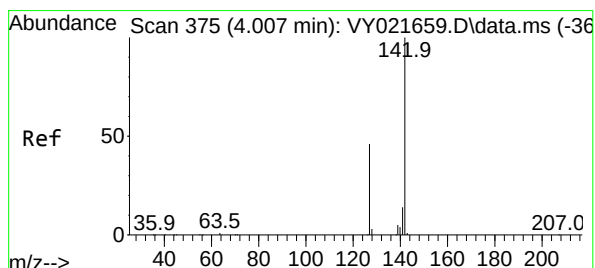
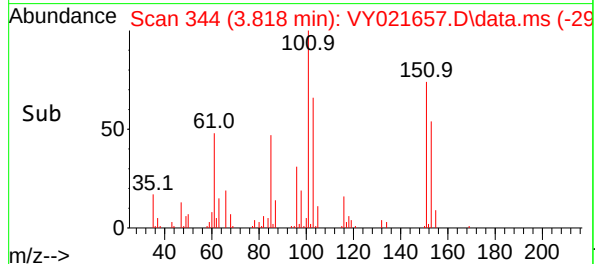
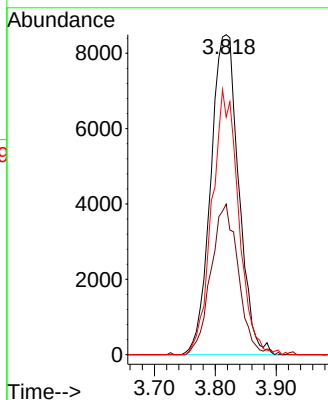
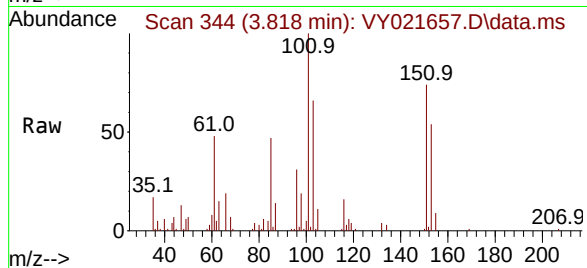
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 27088
Ion Ratio Lower Upper
101 100
85 45.6 36.3 54.5
151 79.0 61.3 91.9

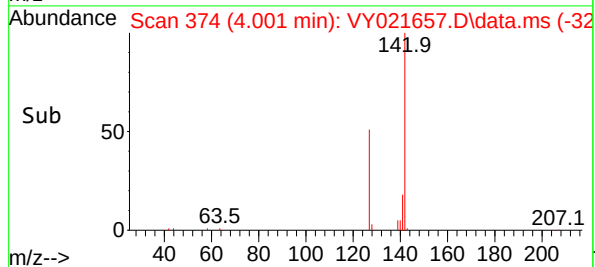
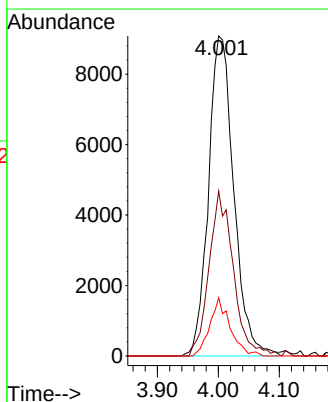
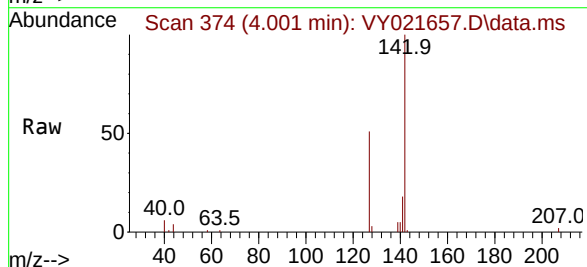
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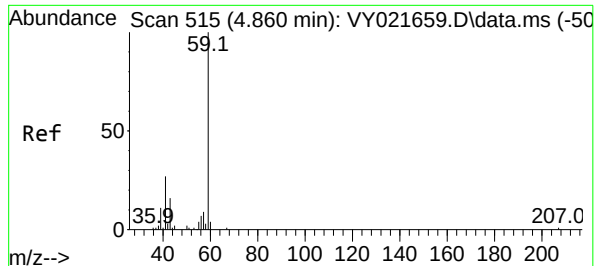
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 9.507 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:142 Resp: 26193
Ion Ratio Lower Upper
142 100
127 49.4 38.7 58.1
141 14.6 11.5 17.3





#11

Tert butyl alcohol

Concen: 54.634 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 867

Ion Ratio Lower Upper

59 100

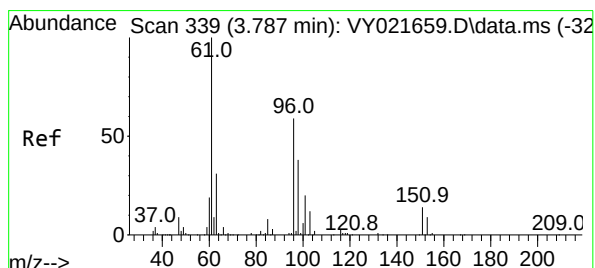
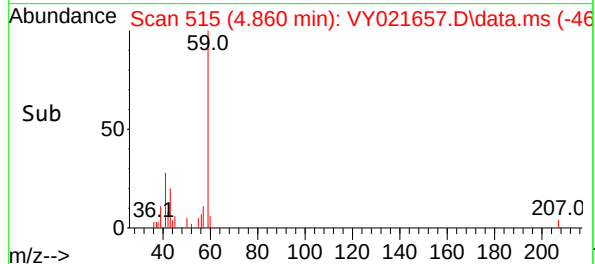
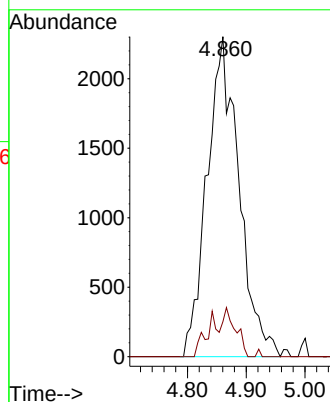
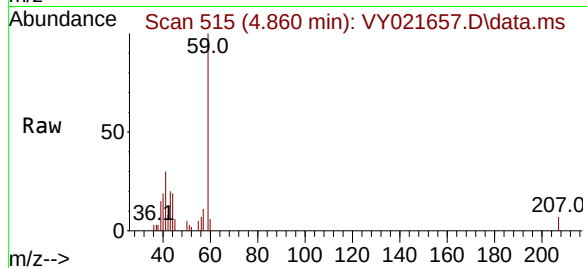
57 6.3 9.2 13.8

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 10.757 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

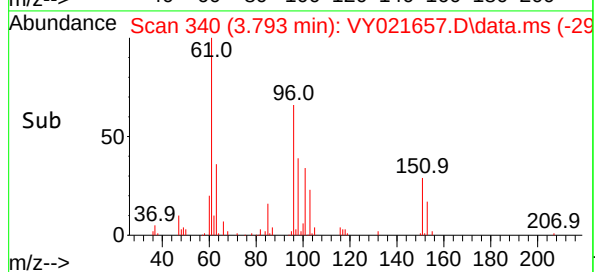
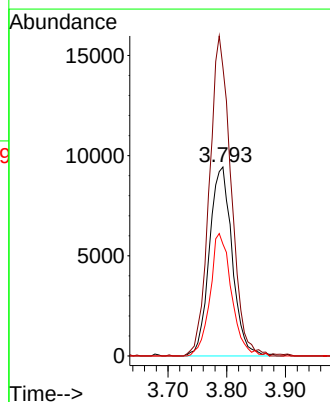
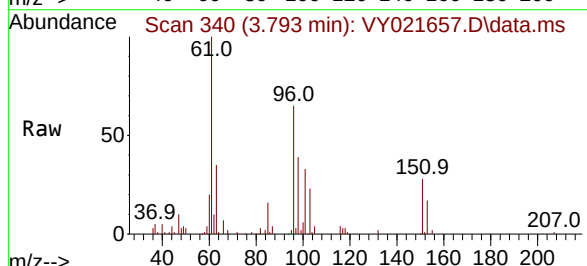
Tgt Ion: 96 Resp: 25446

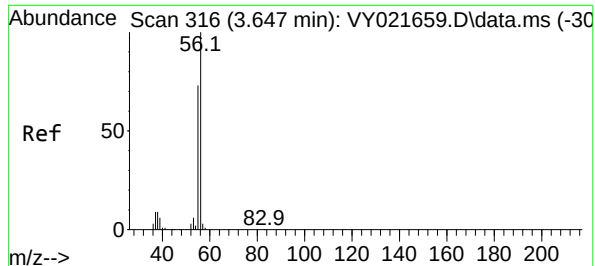
Ion Ratio Lower Upper

96 100

61 152.8 136.6 204.8

98 59.2 52.3 78.5





#13

Acrolein

Concen: 54.518 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 15799

Ion Ratio Lower Upper

56 100

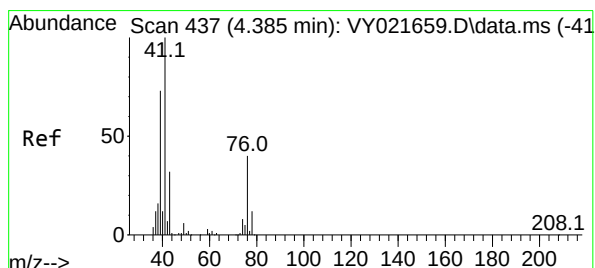
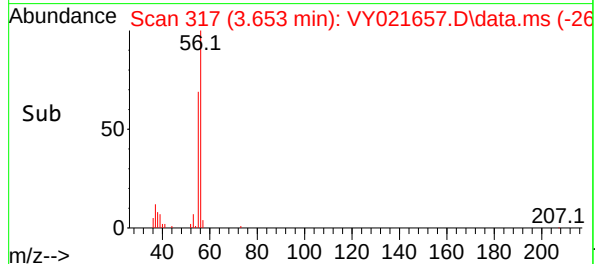
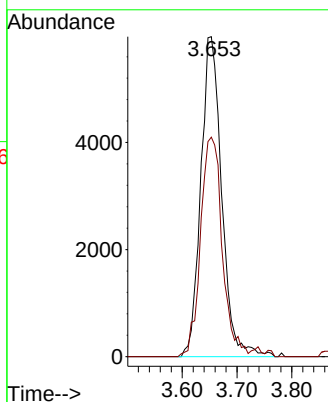
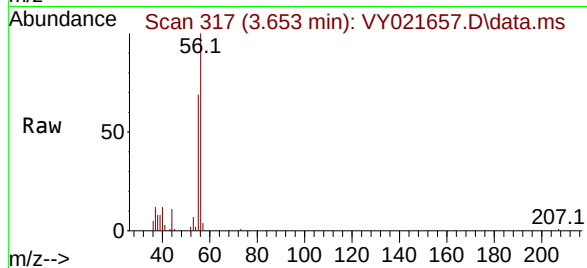
55 71.0 56.6 85.0

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 10.352 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

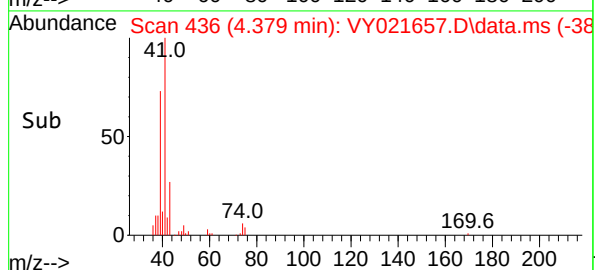
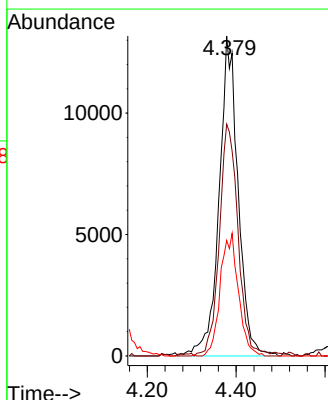
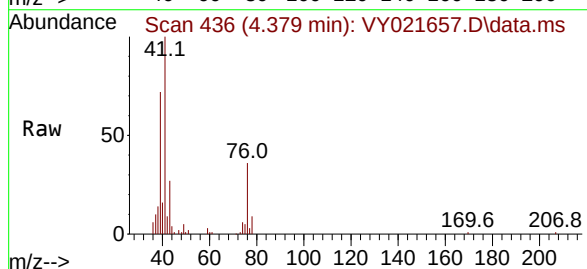
Tgt Ion: 41 Resp: 39045

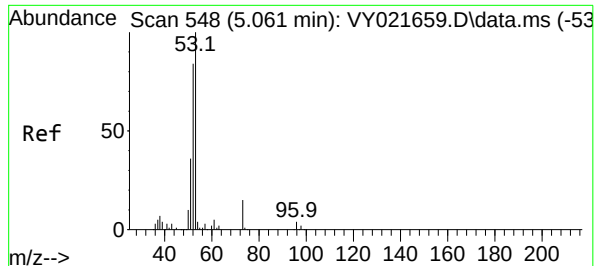
Ion Ratio Lower Upper

41 100

39 71.1 58.6 88.0

76 36.4 30.3 45.5





#15

Acrylonitrile

Concen: 53.389 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

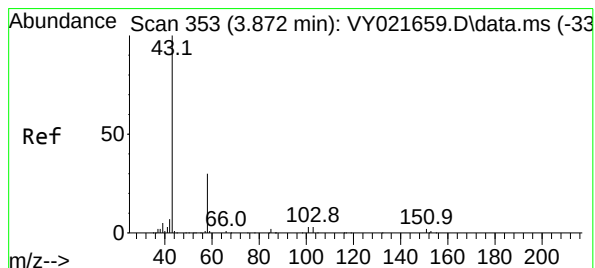
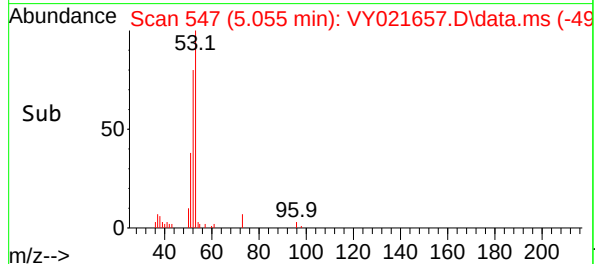
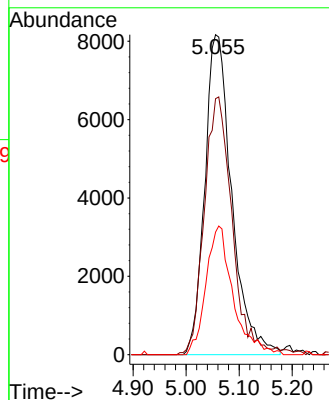
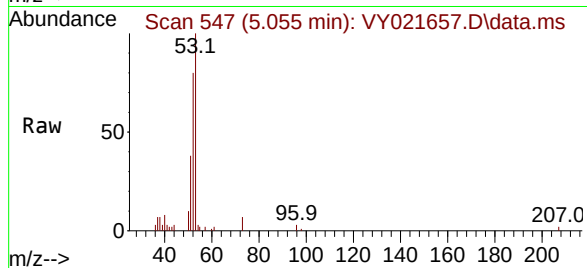
ClientSampleId :

VSTDICC010

Tgt Ion: 53	Resp: 2886
Ion Ratio	Lower Upper
53 100	
52 81.9	64.9 97.3
51 40.1	30.2 45.2

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 55.329 ug/l

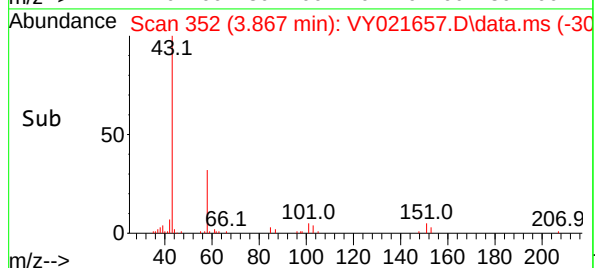
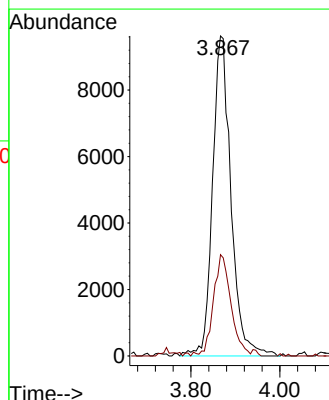
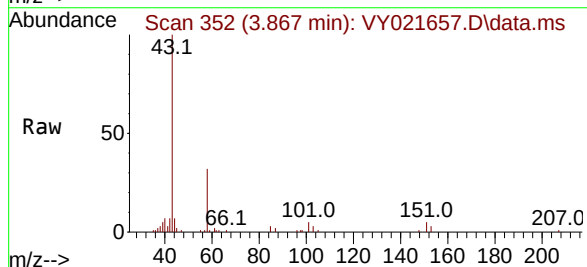
RT: 3.867 min Scan# 352

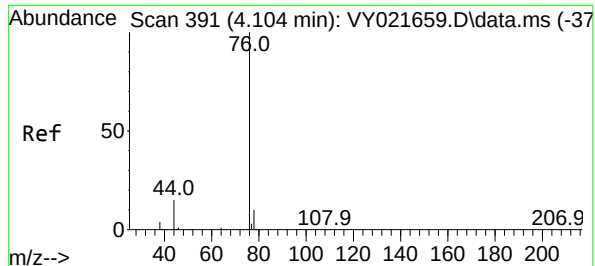
Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 43	Resp: 27669
Ion Ratio	Lower Upper
43 100	
58 31.0	24.2 36.4





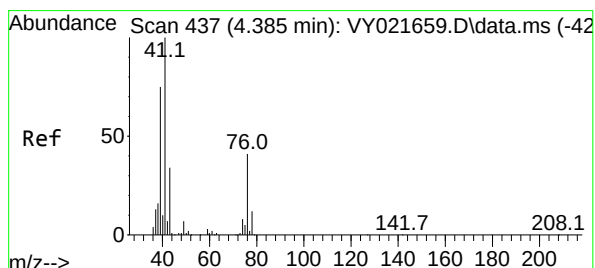
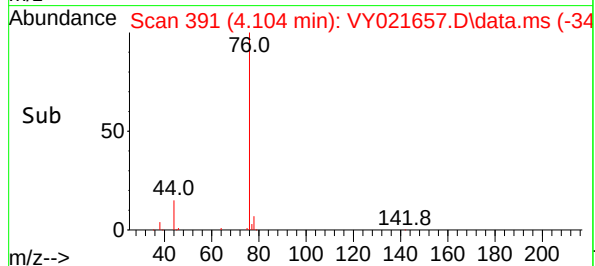
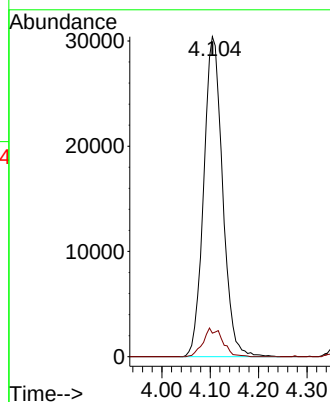
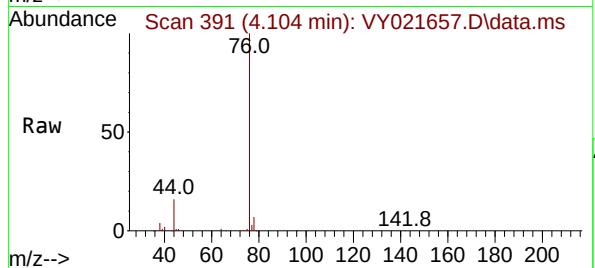
#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 82458
Ion Ratio Lower Upper
76 100
78 7.3 7.6 11.4

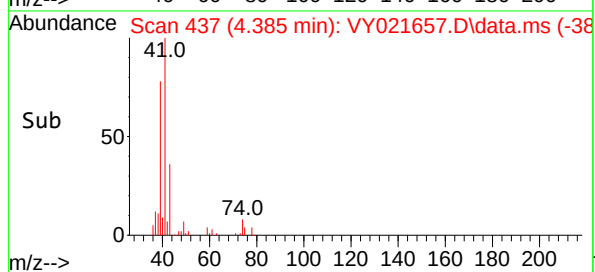
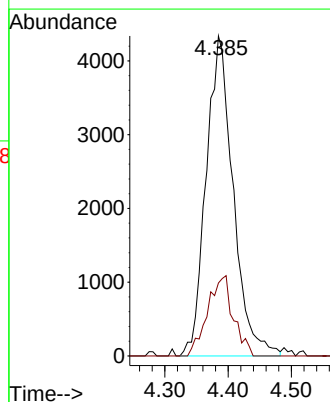
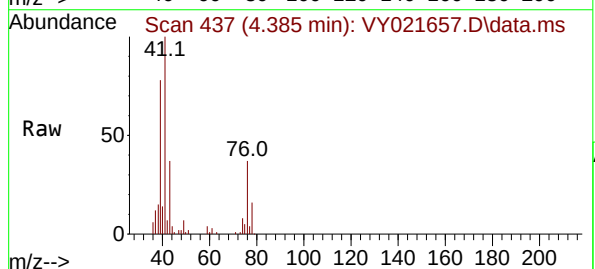
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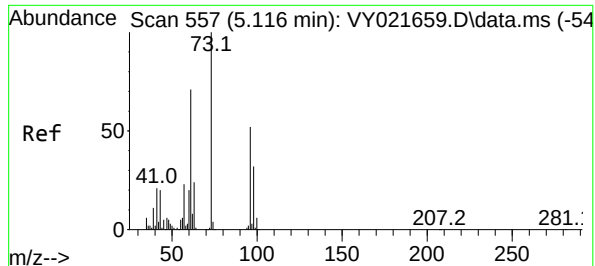
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 10.417 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 12911
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 10.223 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 6020

Ion Ratio Lower Upper

73 100

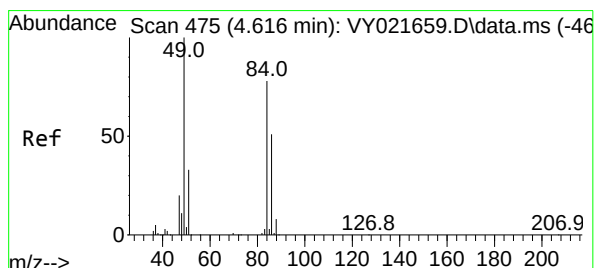
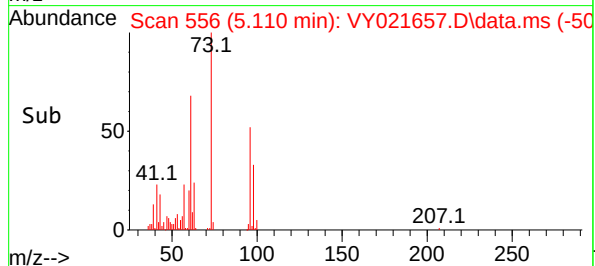
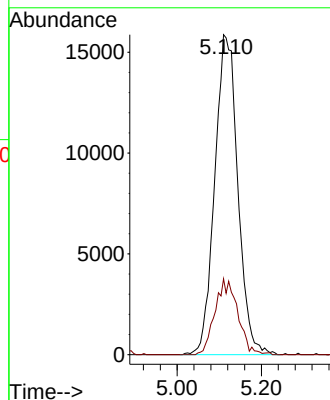
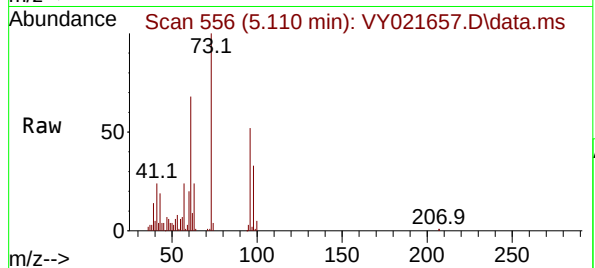
57 23.7 18.1 27.1

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 9.677 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 84 Resp: 31313

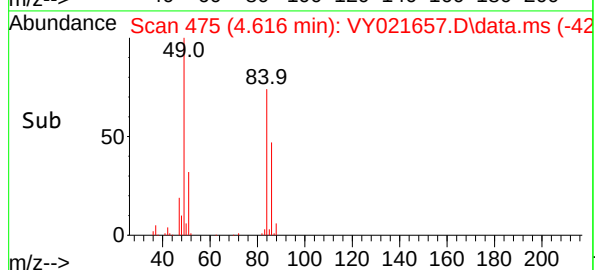
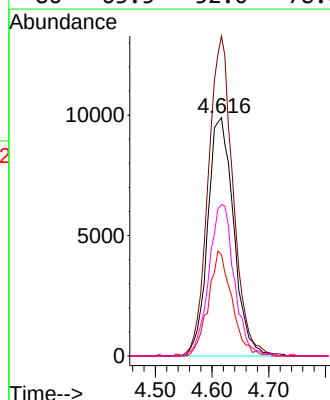
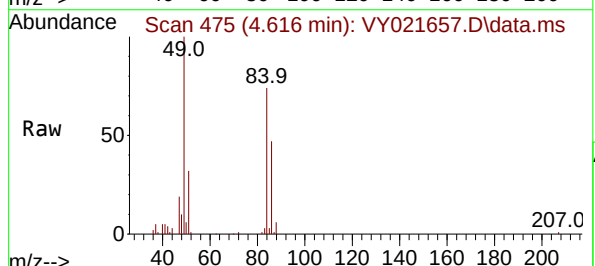
Ion Ratio Lower Upper

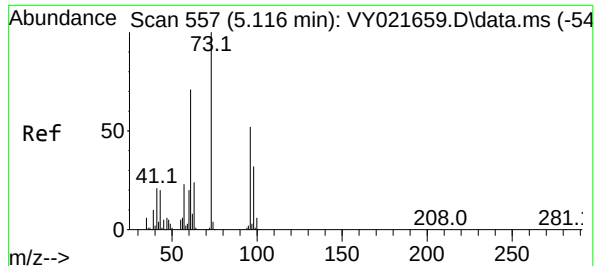
84 100

49 134.3 102.8 154.2

51 42.5 33.5 50.3

86 63.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 10.523 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 96 Resp: 2740

Ion Ratio Lower Upper

96 100

61 130.5 109.4 164.0

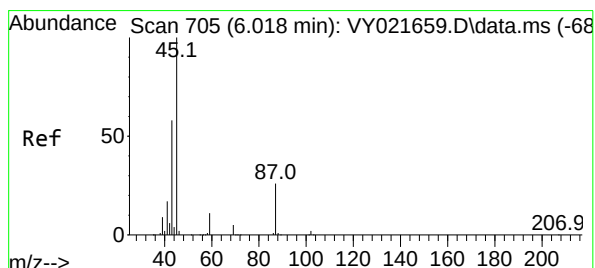
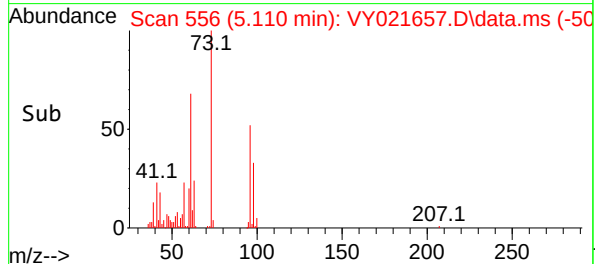
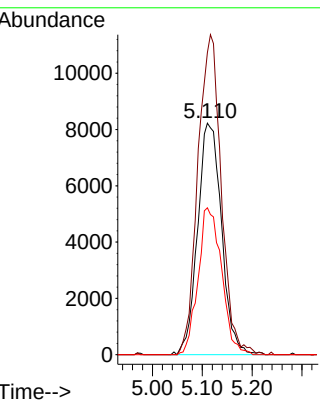
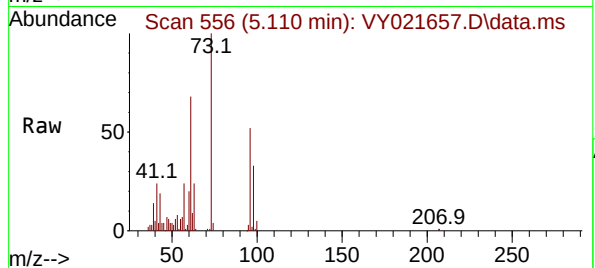
98 63.5 50.2 75.2

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 10.095 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 45 Resp: 79874

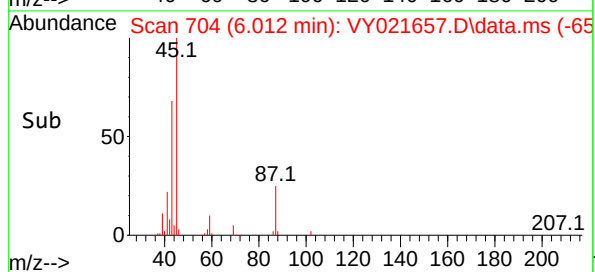
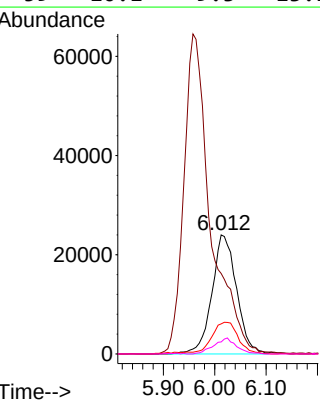
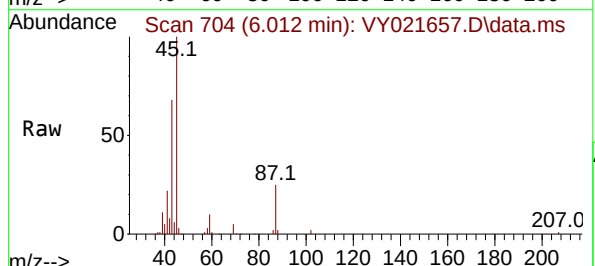
Ion Ratio Lower Upper

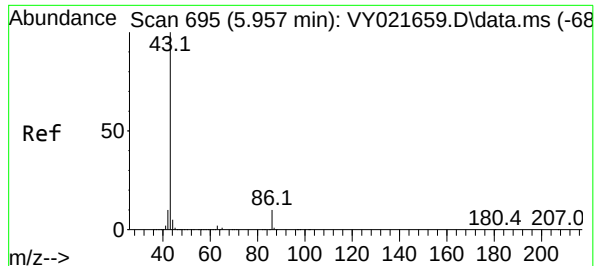
45 100

43 66.0 46.6 69.8

87 24.9 20.7 31.1

59 10.1 9.3 13.9





#23

Vinyl Acetate

Concen: 50.469 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 233590

Ion Ratio Lower Upper

43 100

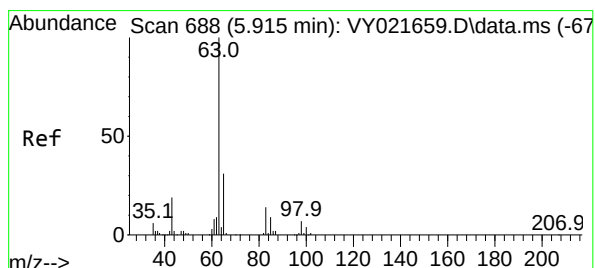
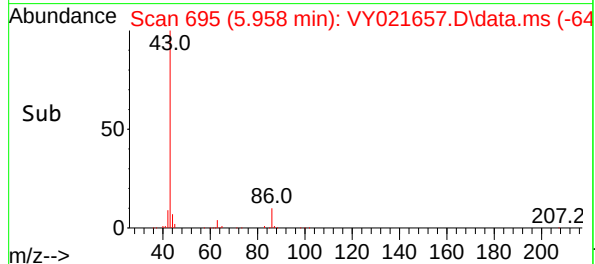
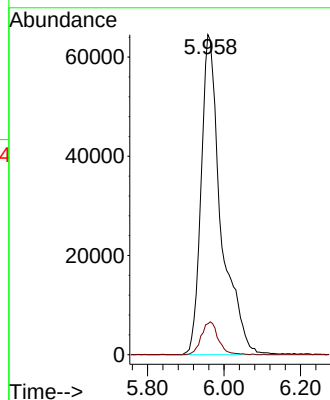
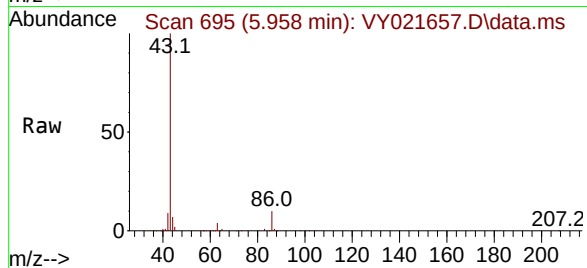
86 9.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 10.403 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

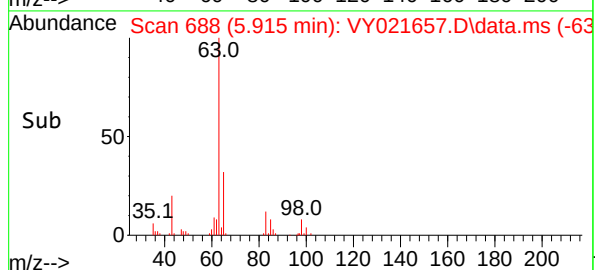
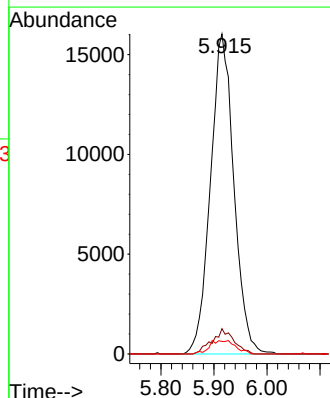
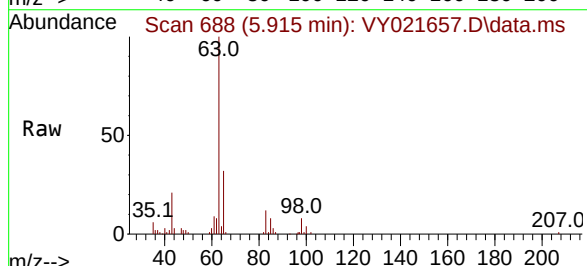
Tgt Ion: 63 Resp: 49217

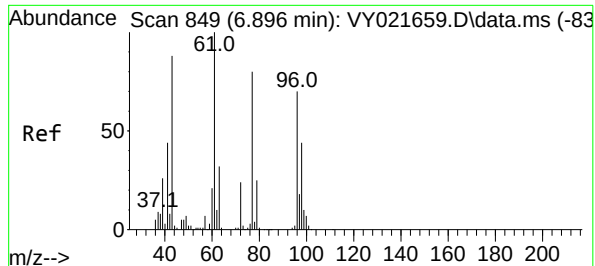
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 3.9 2.2 6.6





#25

2-Butanone

Concen: 52.299 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 37350

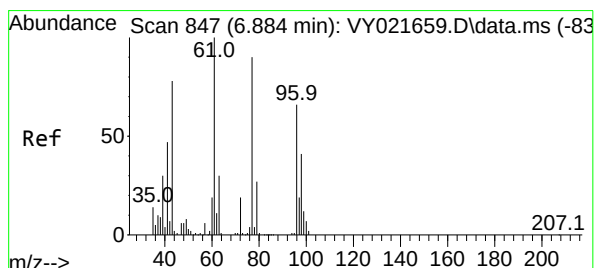
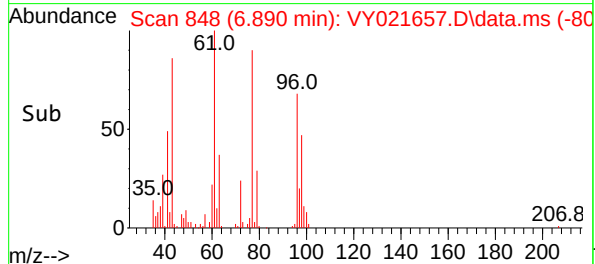
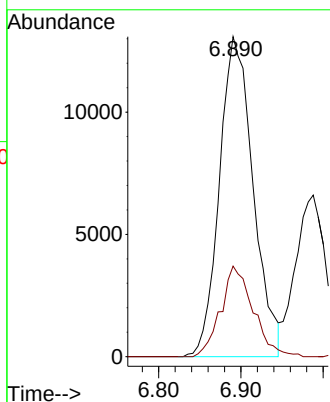
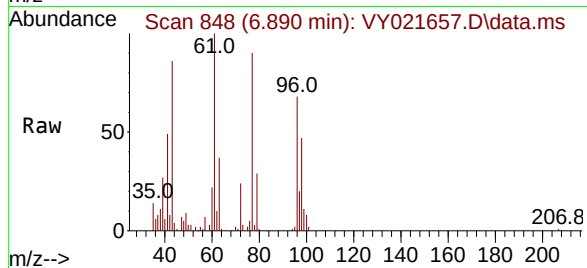
Ion Ratio Lower Upper

43 100

72 28.3 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#26

2,2-Dichloropropane

Concen: 10.316 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021657.D

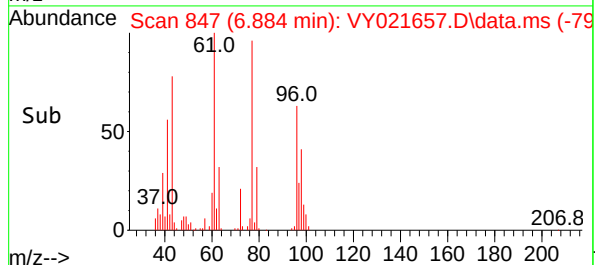
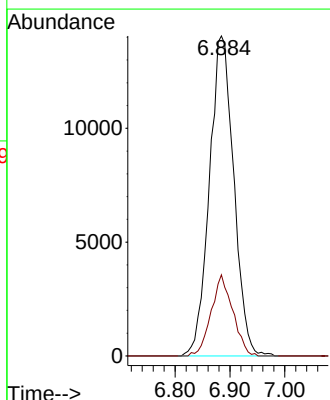
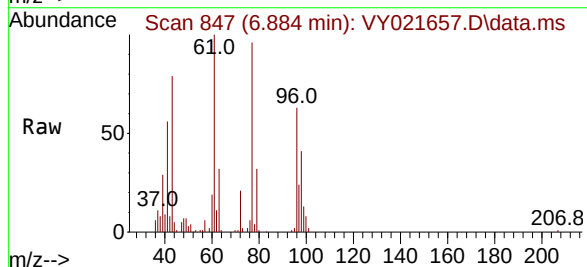
Acq: 27 Mar 2025 10:31

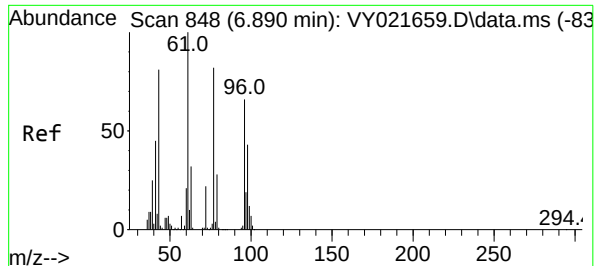
Tgt Ion: 77 Resp: 43412

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 10.140 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

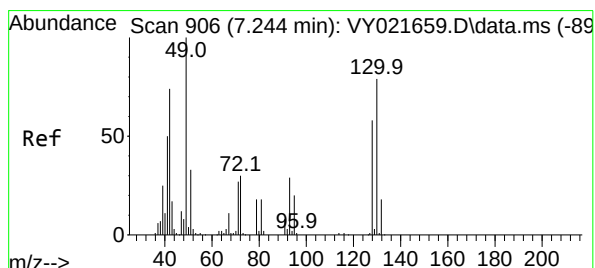
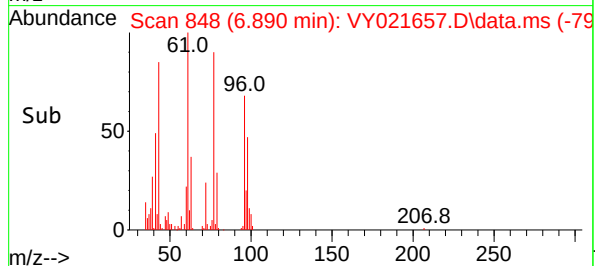
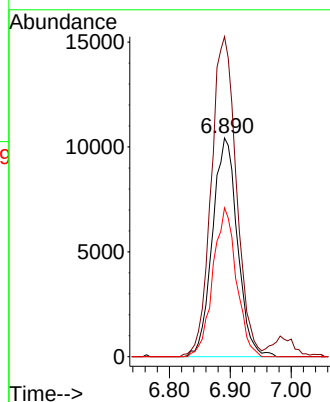
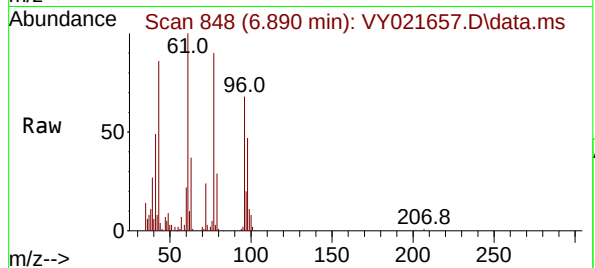
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	2969
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	296.4
98	63.9	0.0	128.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 10.618 ug/l

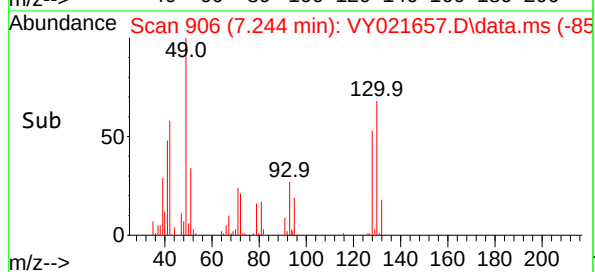
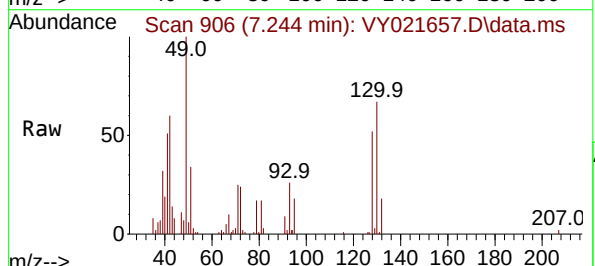
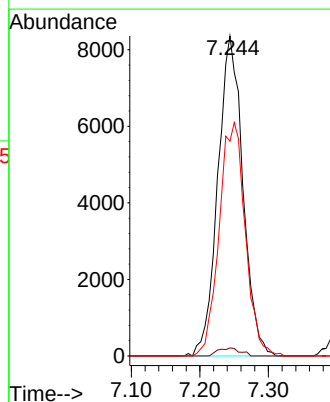
RT: 7.244 min Scan# 906

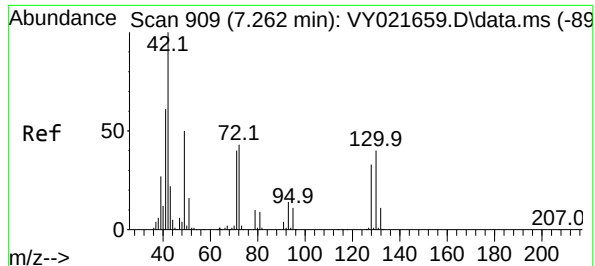
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	49	Resp:	21186
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.9	60.1	90.1





#29

Tetrahydrofuran

Concen: 54.625 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

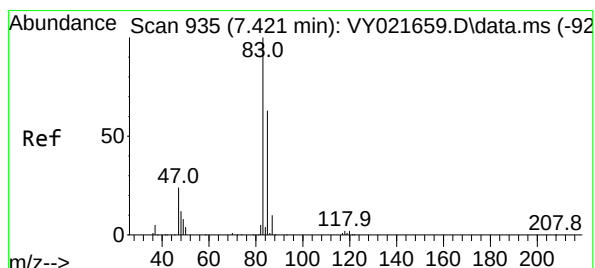
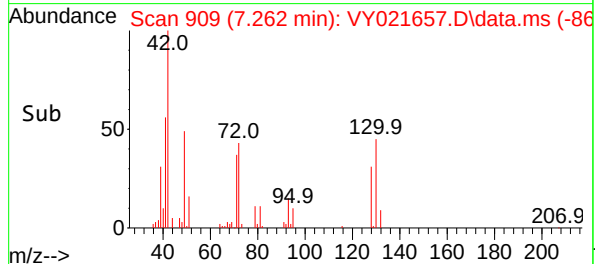
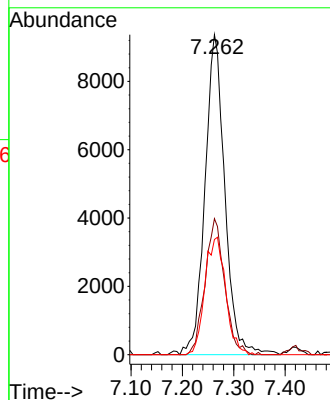
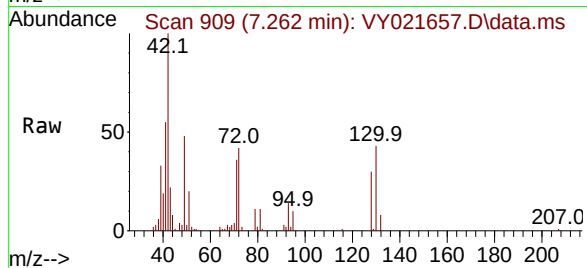
ClientSampleId :

VSTDIC010

Tgt Ion:	42	Resp:	2511
Ion Ratio	Lower	Upper	
42	100		
72	41.9	34.6	52.0
71	38.5	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 10.459 ug/l

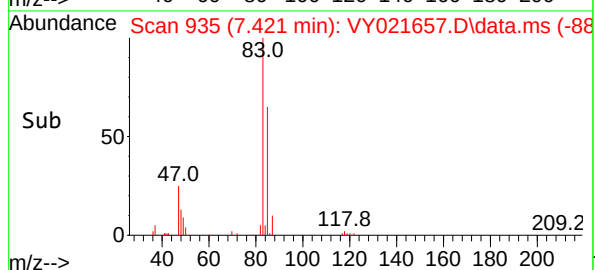
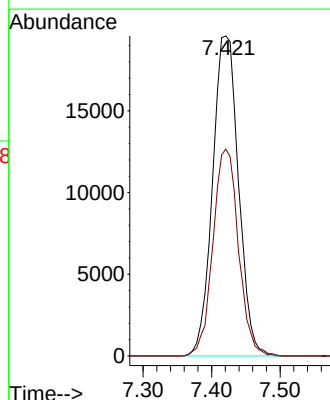
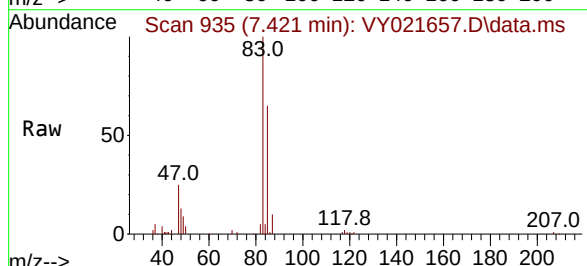
RT: 7.421 min Scan# 935

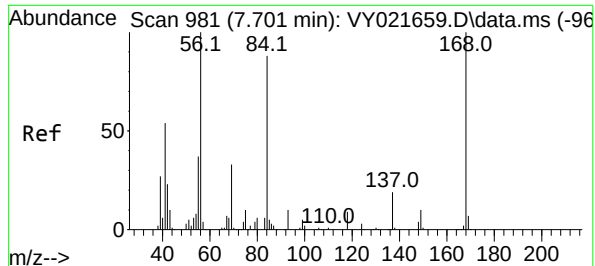
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	83	Resp:	51464
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 10.798 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 46569

Ion Ratio Lower Upper

56 100

69 44.1 26.6 40.0

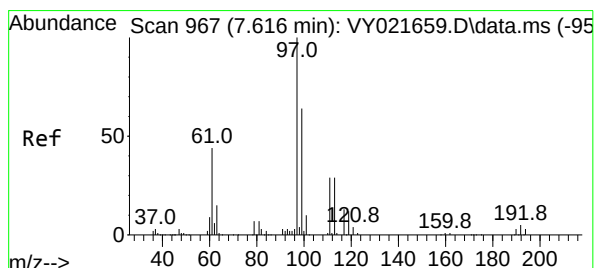
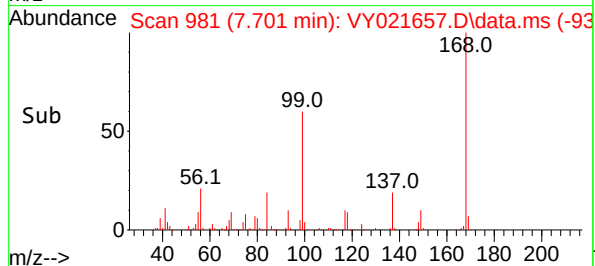
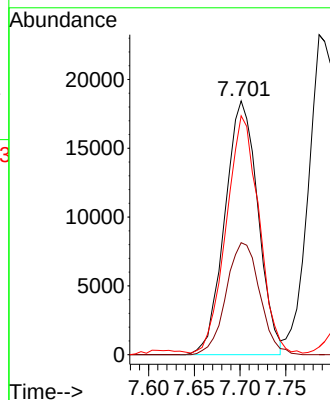
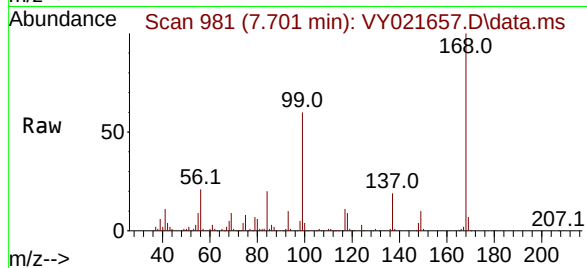
84 92.8 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 10.270 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

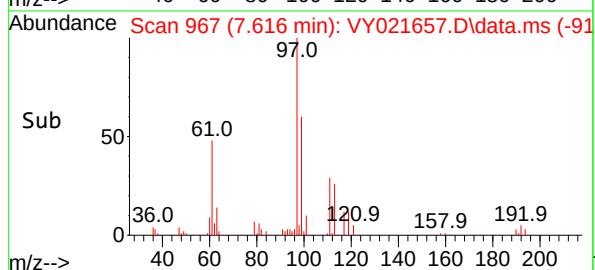
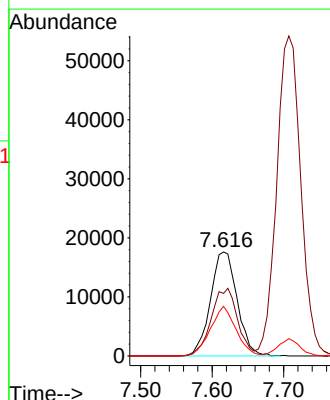
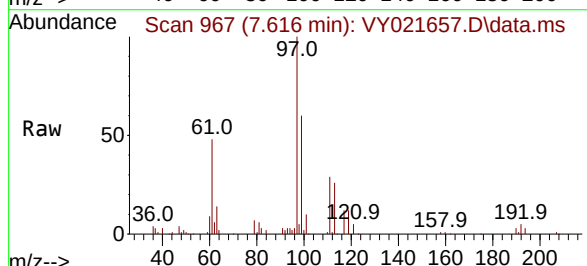
Tgt Ion: 97 Resp: 45673

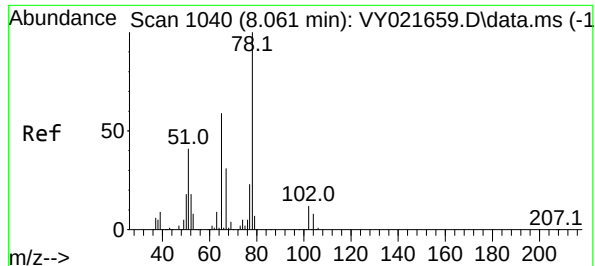
Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

61 45.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 10.311 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 2519

Ion Ratio Lower Upper

65 100

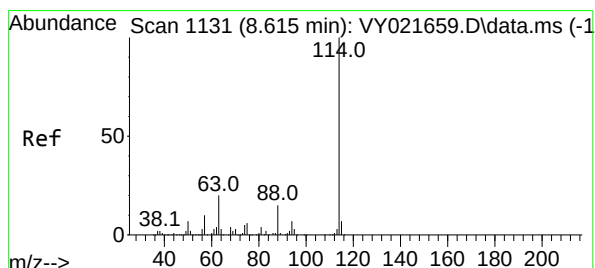
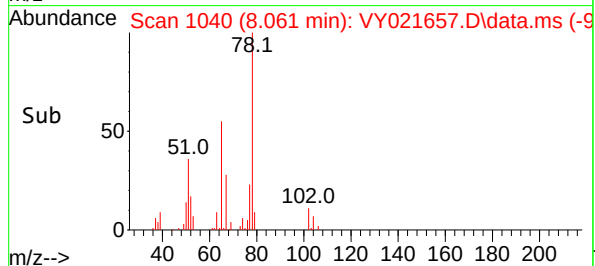
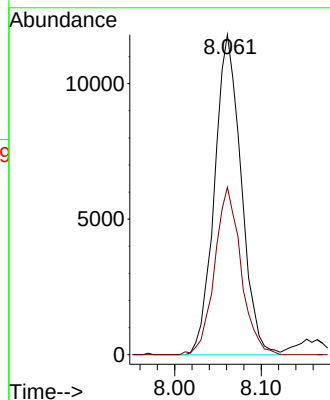
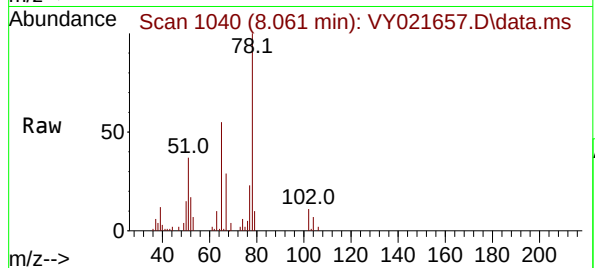
67 51.8 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

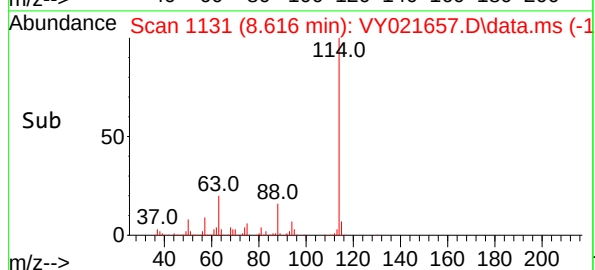
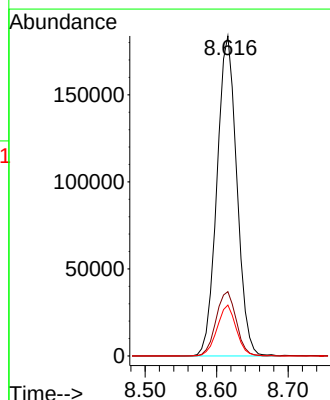
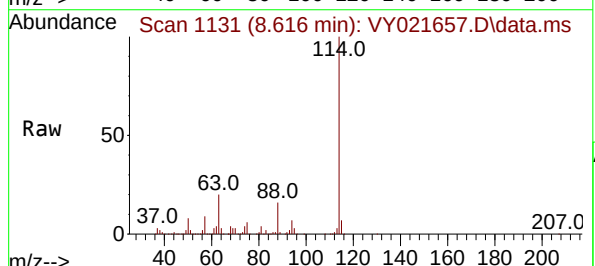
Tgt Ion:114 Resp: 354785

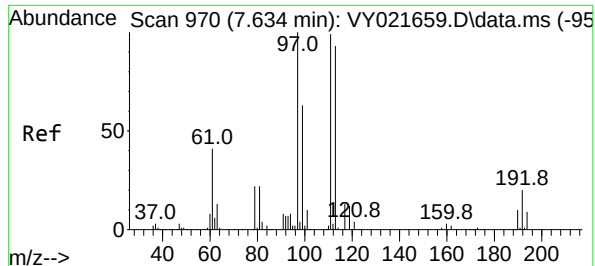
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 9.906 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

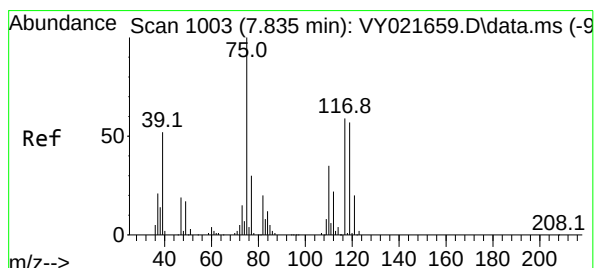
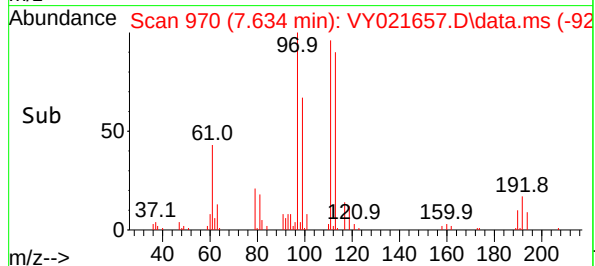
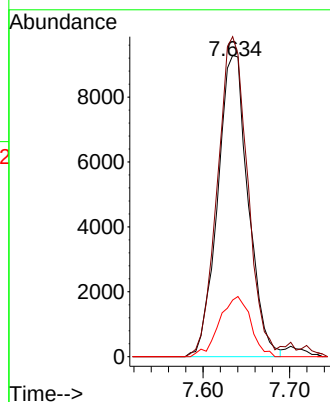
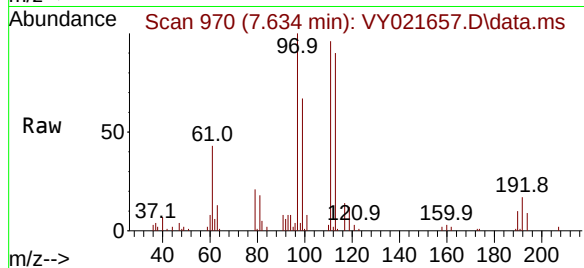
ClientSampleId :

VSTDICC010

Tgt Ion:	113	Resp:	2279
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	123.8
192	20.4	16.2	24.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 10.304 ug/l

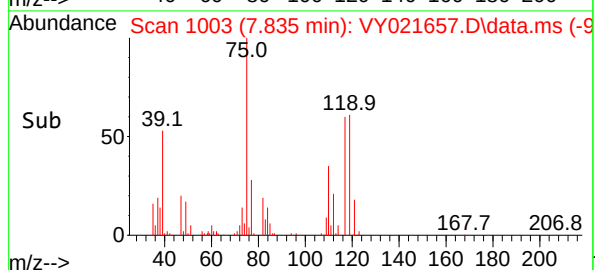
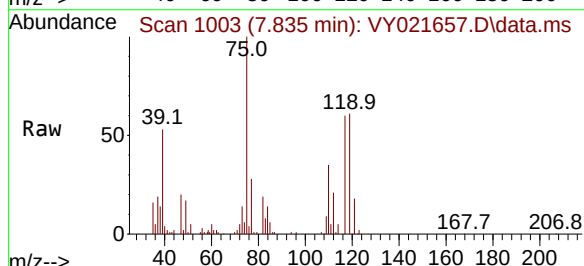
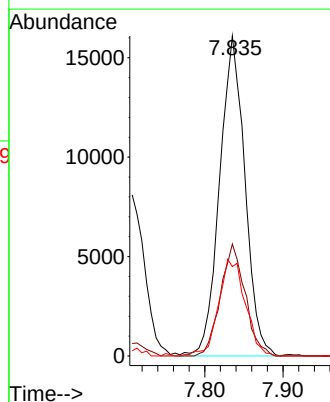
RT: 7.835 min Scan# 1003

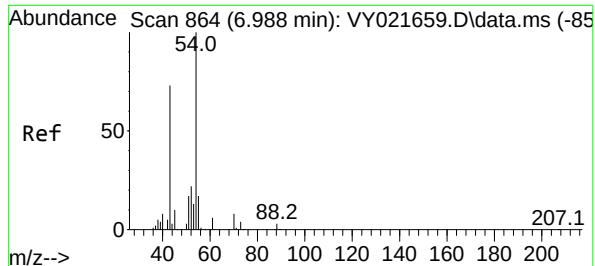
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	75	Resp:	36121
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	32.0	24.8	37.2





#37

Ethyl Acetate

Concen: 10.969 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

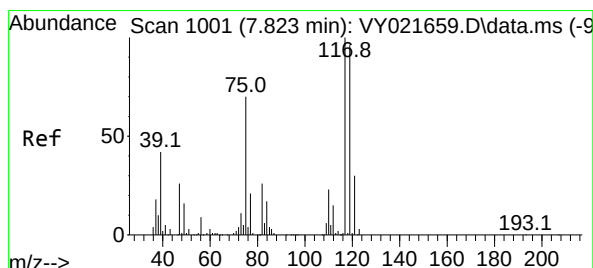
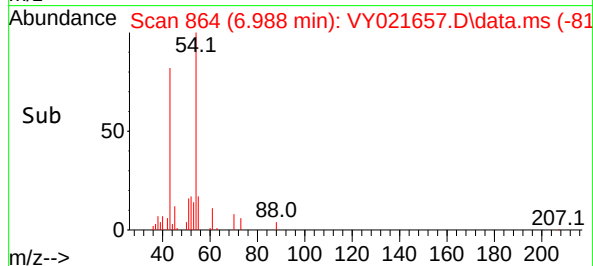
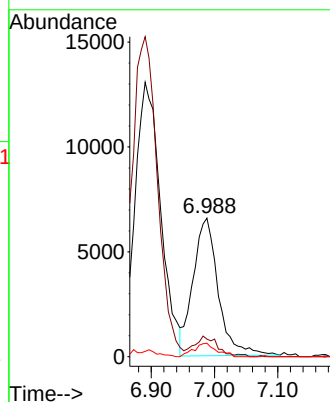
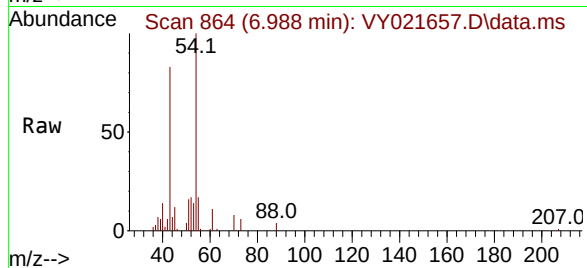
ClientSampleId :

VSTDICC010

Tgt Ion:	43	Resp:	1814
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	8.8	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 10.496 ug/l

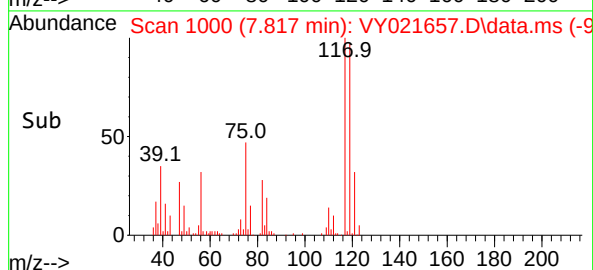
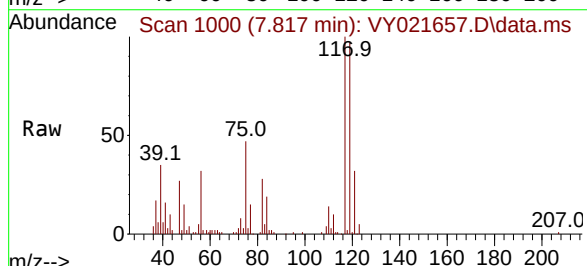
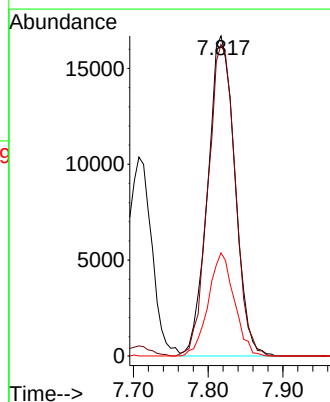
RT: 7.817 min Scan# 1000

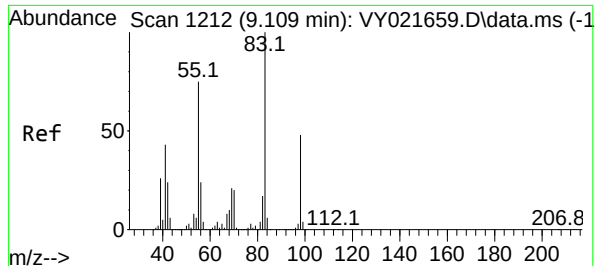
Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	117	Resp:	42141
Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.4
121	32.2	24.2	36.4





#39

Methylcyclohexane

Concen: 10.147 ug/l

RT: 9.103 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

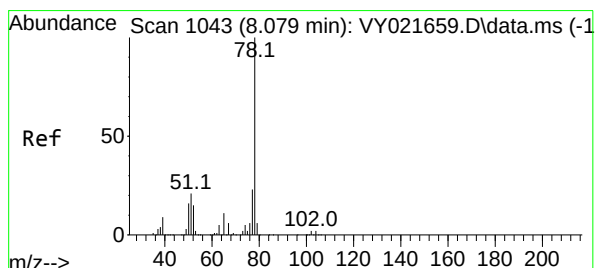
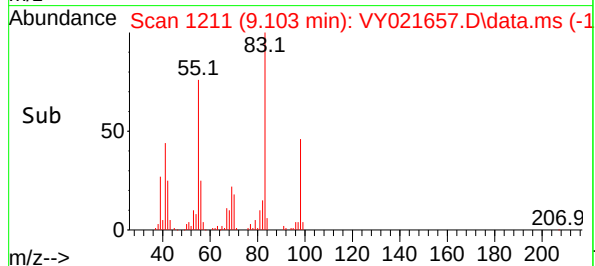
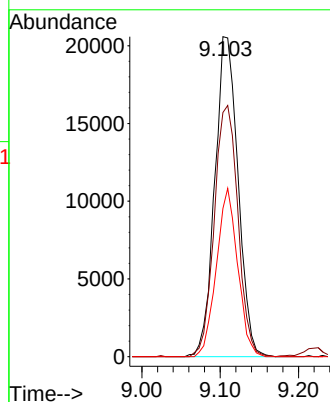
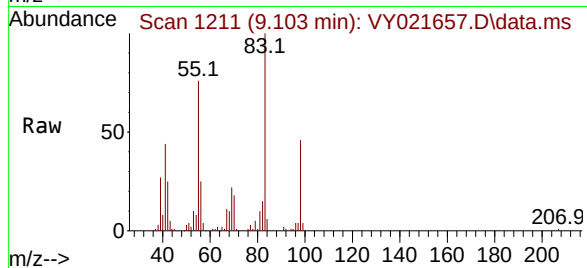
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	4249
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	46.3	38.3	57.5

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 10.322 ug/l

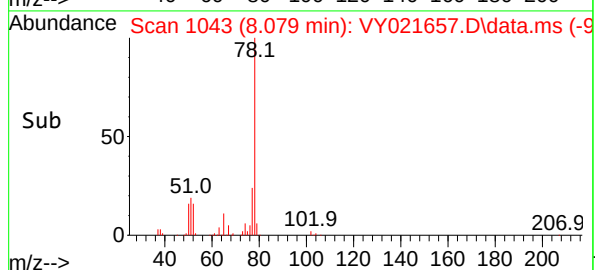
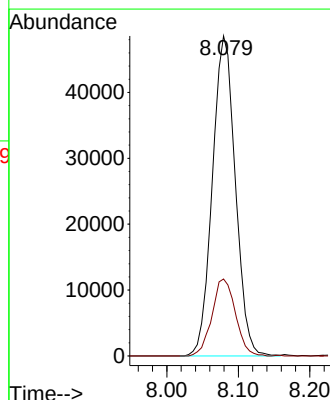
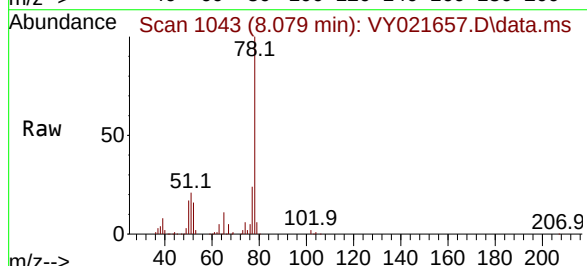
RT: 8.079 min Scan# 1043

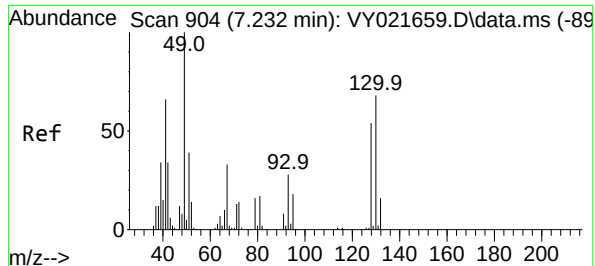
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	78	Resp:	108360
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 10.635 ug/l m

RT: 7.226 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

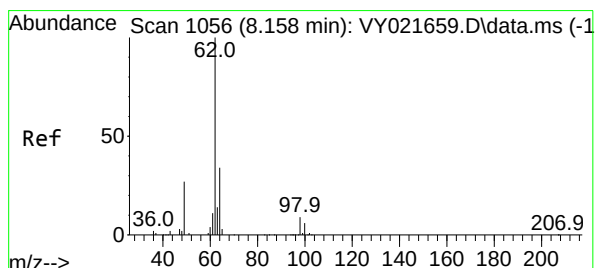
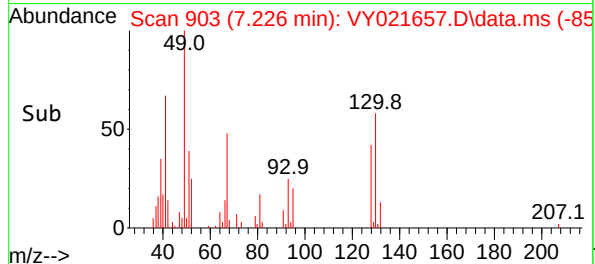
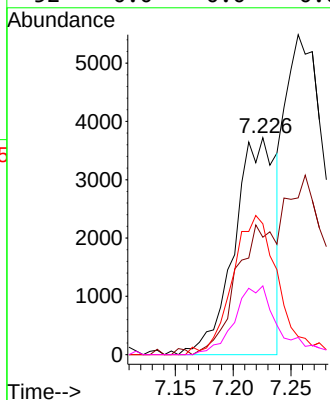
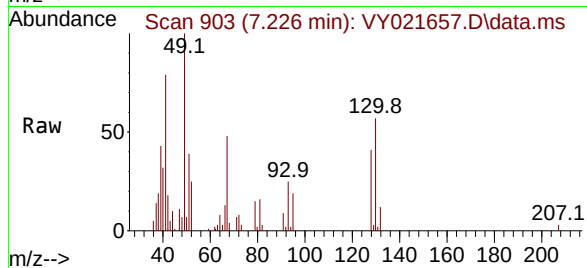
ClientSampleId :

VSTDICC010

Tgt Ion:	41	Resp:	934
Ion	Ratio	Lower	Upper
41	100		
39	140.2	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42

1,2-Dichloroethane

Concen: 10.679 ug/l

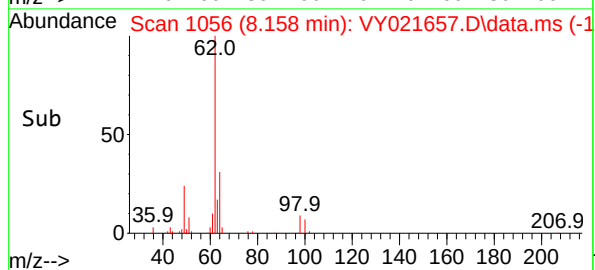
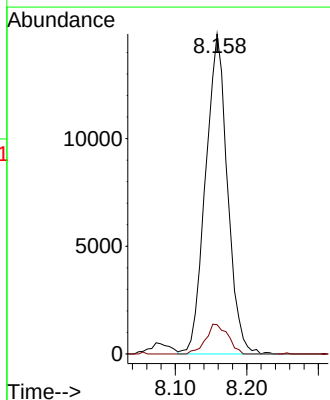
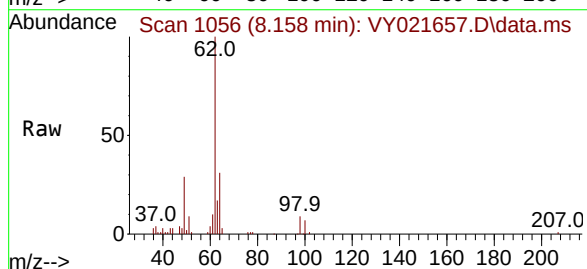
RT: 8.158 min Scan# 1056

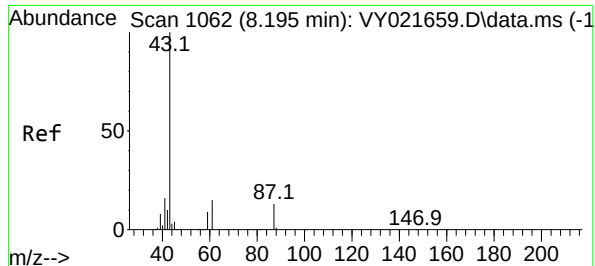
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	62	Resp:	31606
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 10.738 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

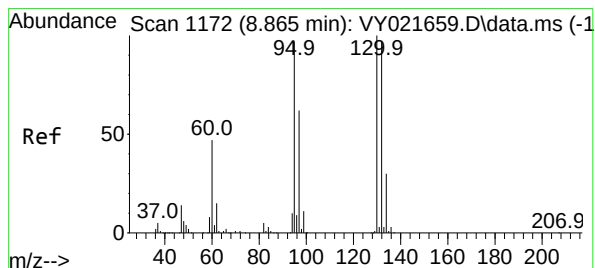
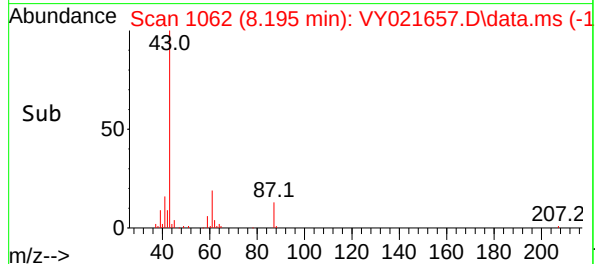
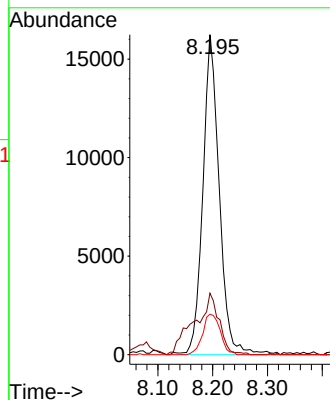
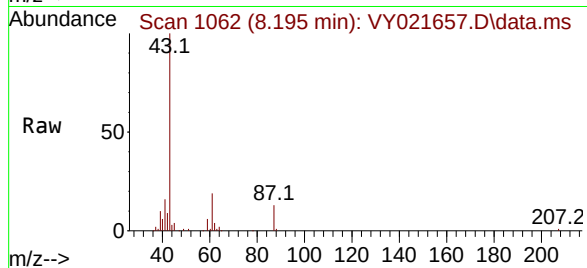
VSTDIC010

Tgt Ion:	43	Resp:	3366
Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.9	23.9
87	13.6	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 10.571 ug/l

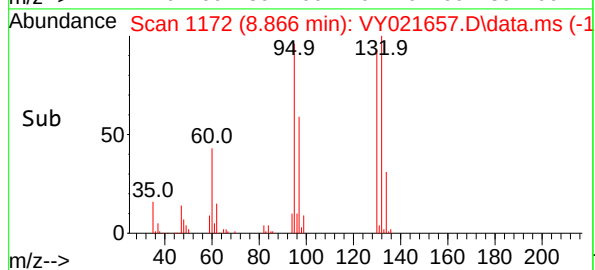
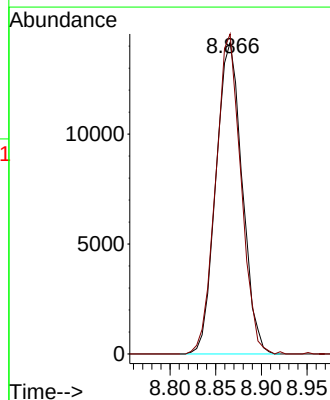
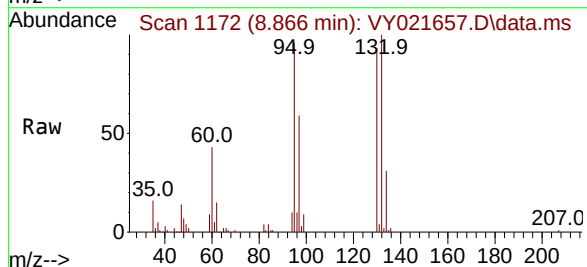
RT: 8.866 min Scan# 1172

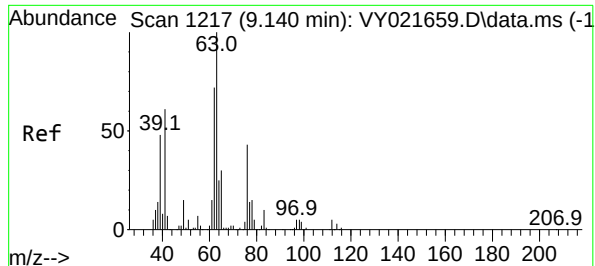
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	130	Resp:	28275
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	194.8





#45

1,2-Dichloropropane

Concen: 10.440 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2594

Ion Ratio Lower Upper

63 100

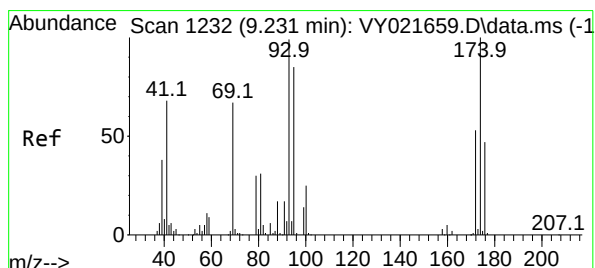
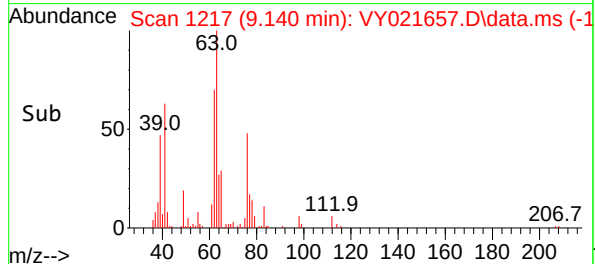
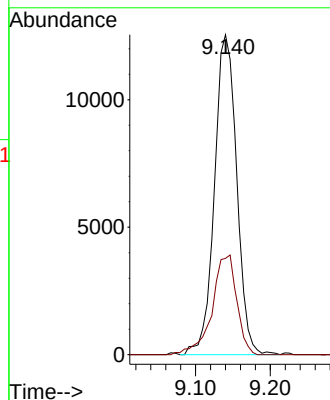
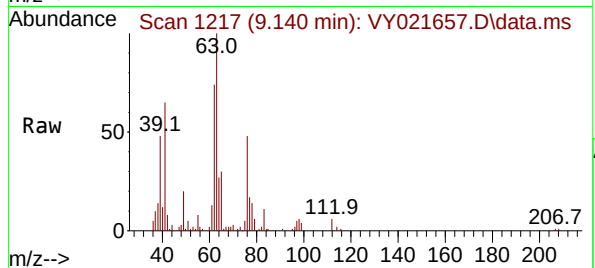
65 30.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 10.896 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

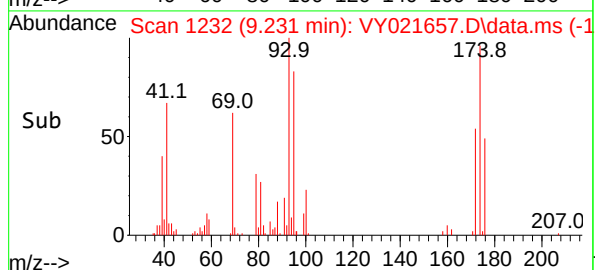
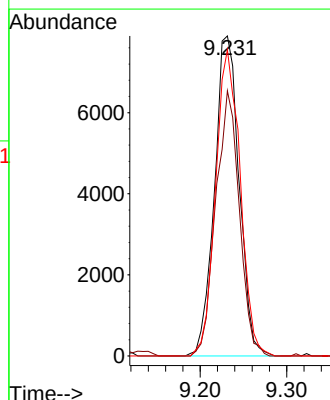
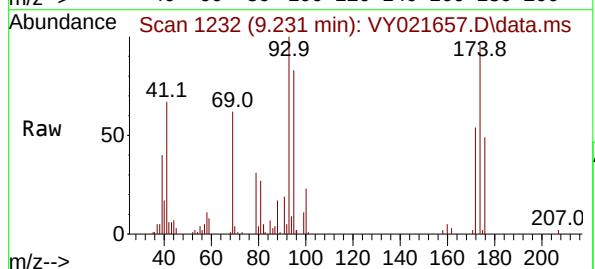
Tgt Ion: 93 Resp: 15605

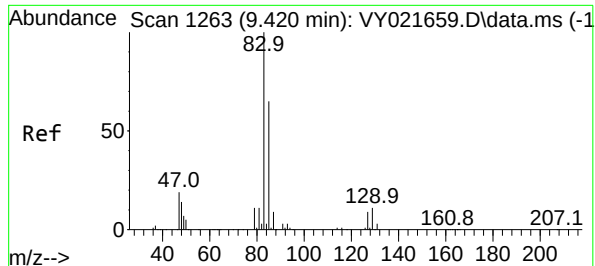
Ion Ratio Lower Upper

93 100

95 79.3 68.1 102.1

174 95.5 80.9 121.3





#47

Bromodichloromethane

Concen: 10.439 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

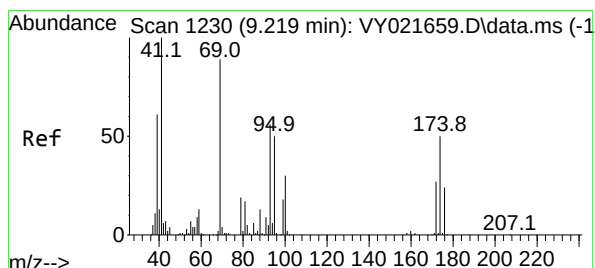
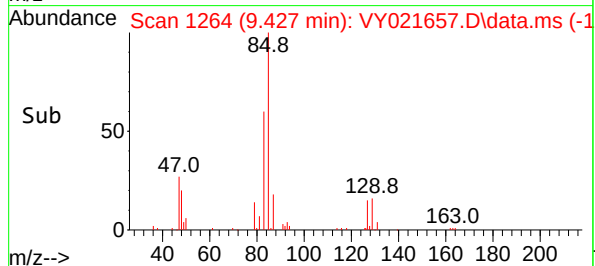
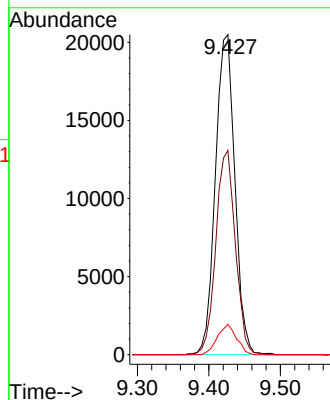
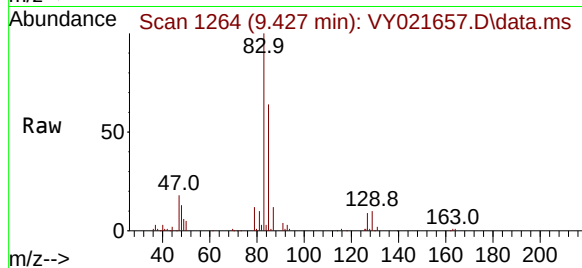
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	3873
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	9.5	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 10.130 ug/l

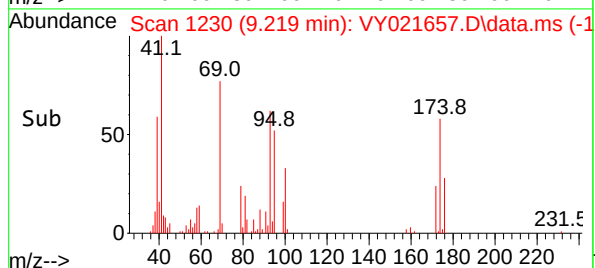
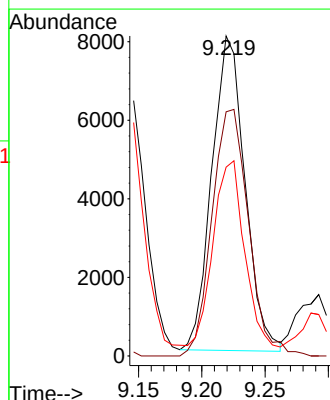
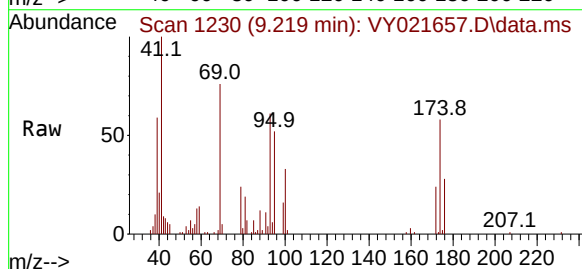
RT: 9.219 min Scan# 1230

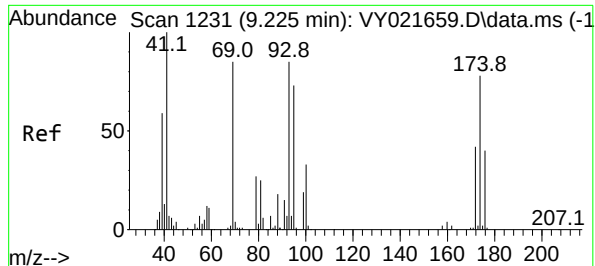
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	41	Resp:	14576
Ion	Ratio	Lower	Upper
41	100		
69	86.5	69.8	104.8
39	56.4	47.2	70.8





#49

1,4-Dioxane

Concen: 200.565 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

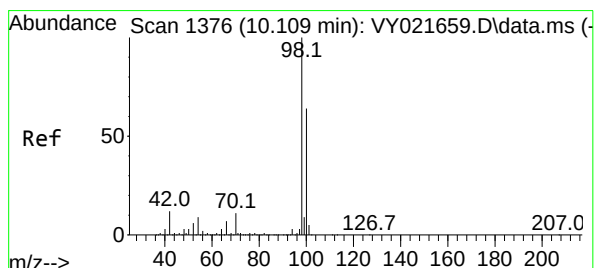
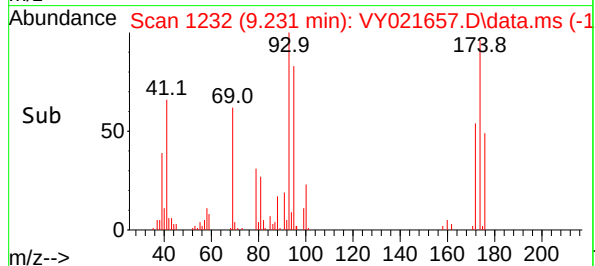
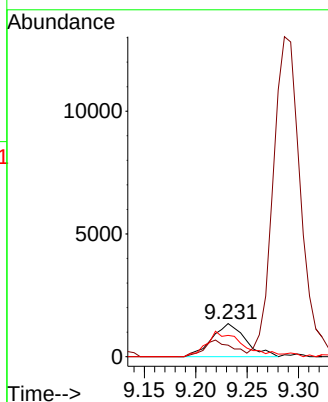
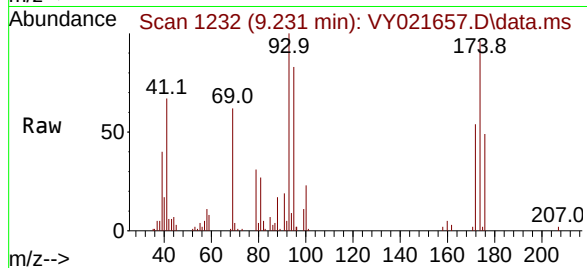
ClientSampleId :

VSTDICC010

Tgt Ion:	88	Resp:	307
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.8	43.2
58	85.0	59.4	89.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 10.051 ug/l

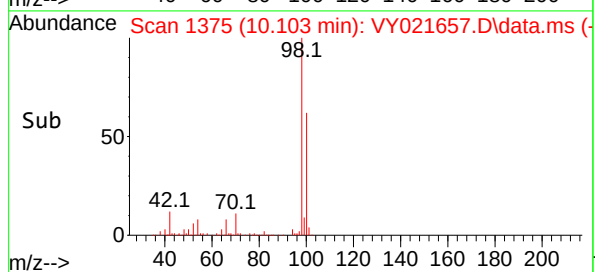
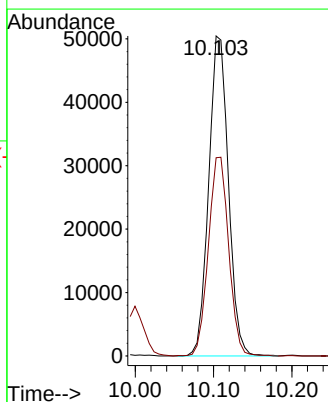
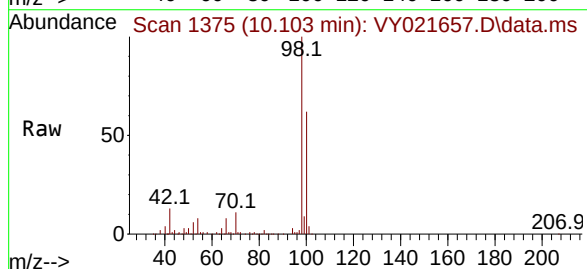
RT: 10.103 min Scan# 1375

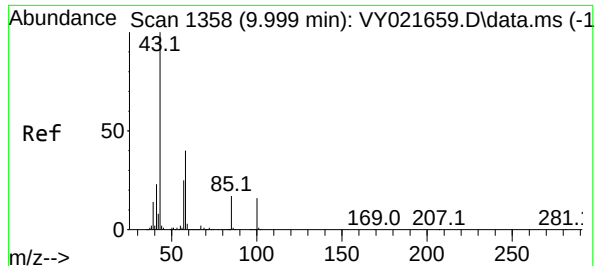
Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	98	Resp:	88000
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





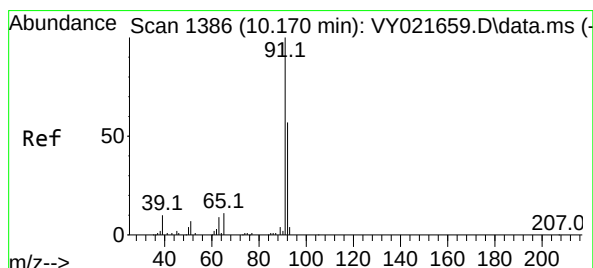
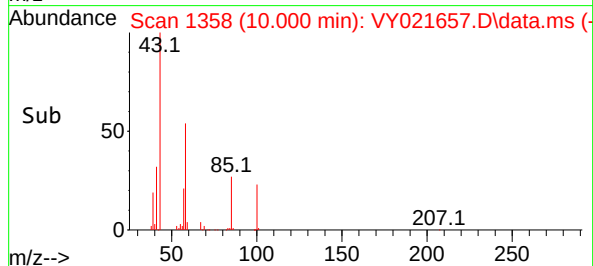
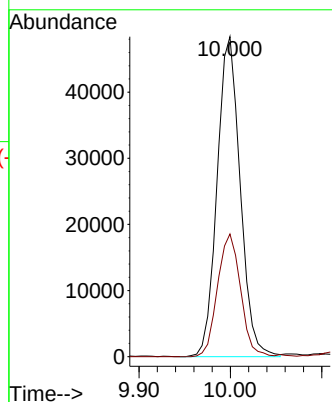
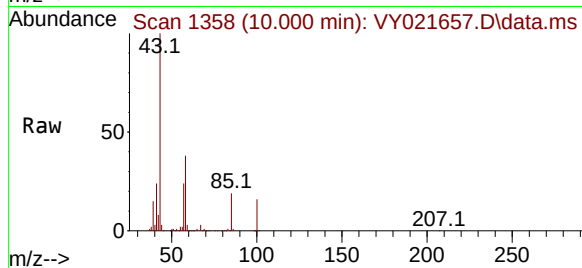
#51
4-Methyl-2-Pentanone
Concen: 52.111 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 85020
Ion Ratio Lower Upper
43 100
58 38.2 31.5 47.3

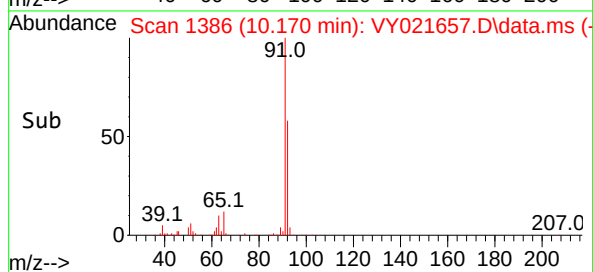
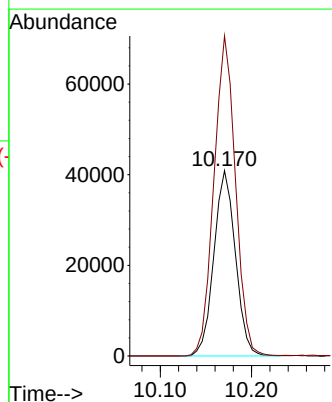
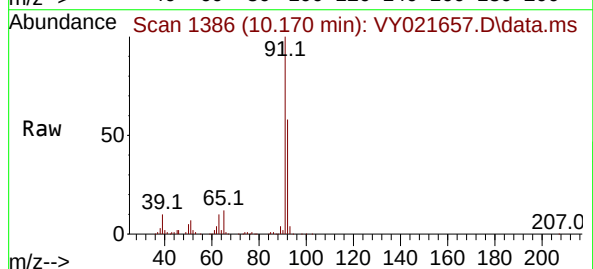
Manual Integrations
APPROVED

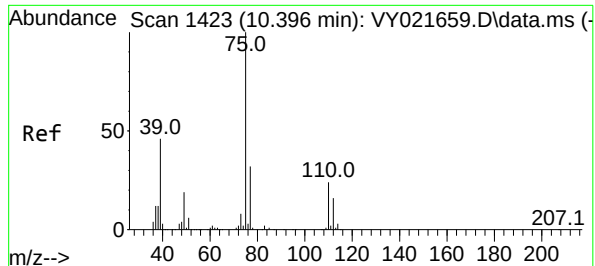
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 10.212 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 92 Resp: 66889
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





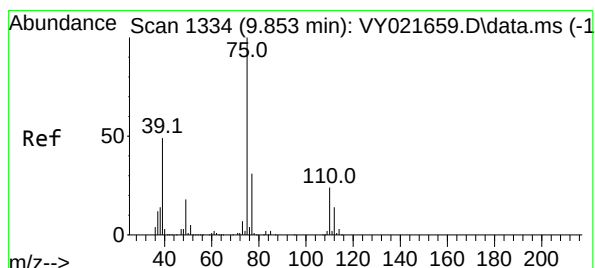
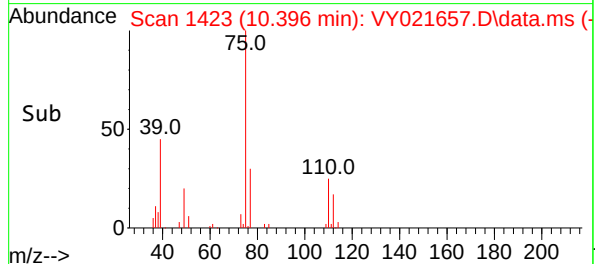
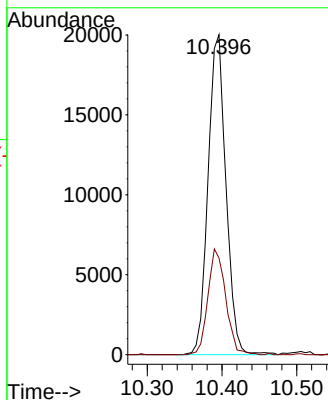
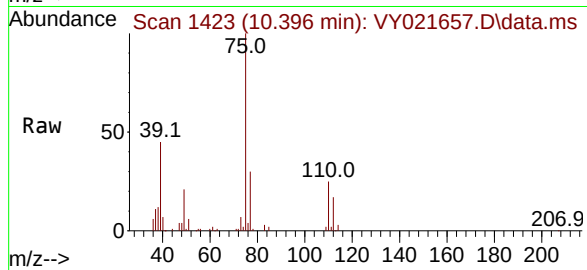
#53
t-1,3-Dichloropropene
Concen: 10.120 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 33350
Ion Ratio Lower Upper
75 100
77 30.2 25.3 37.9

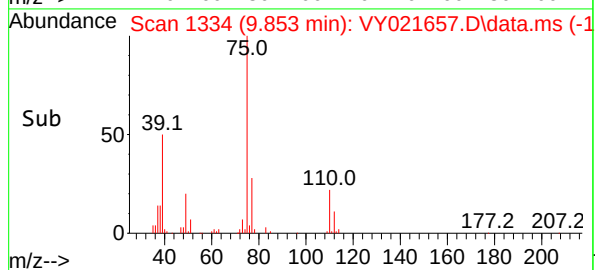
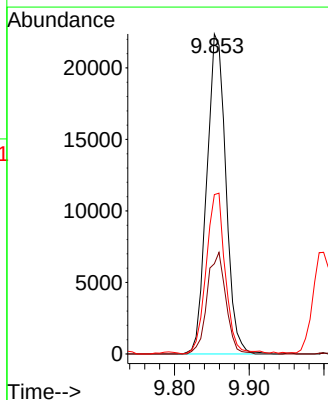
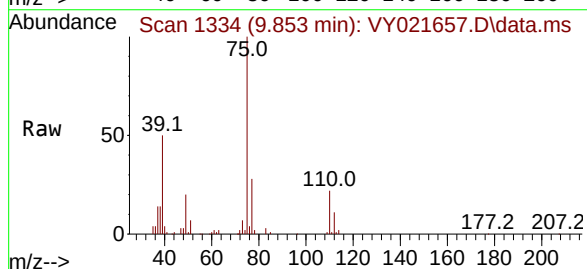
Manual Integrations
APPROVED

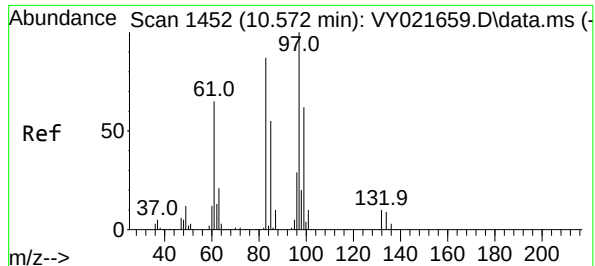
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

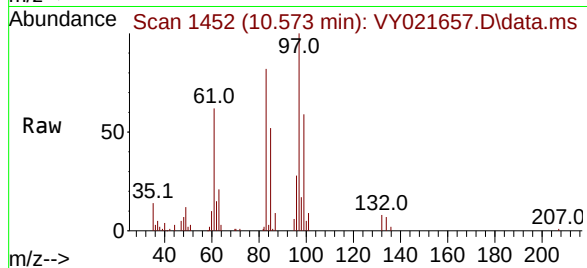
Tgt Ion: 75 Resp: 39609
Ion Ratio Lower Upper
75 100
77 28.2 24.9 37.3
39 49.6 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 10.879 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

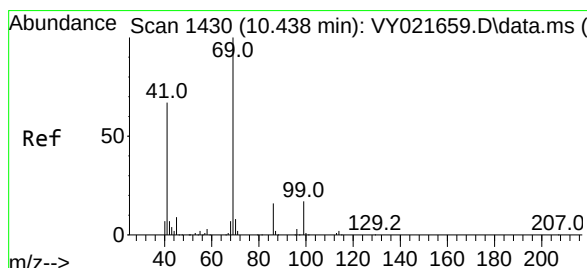
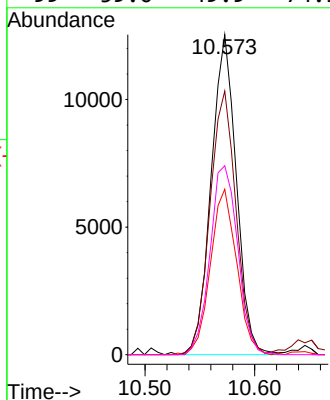
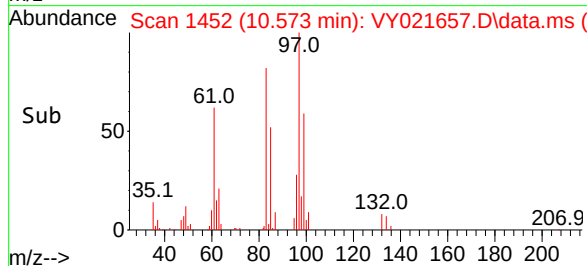
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



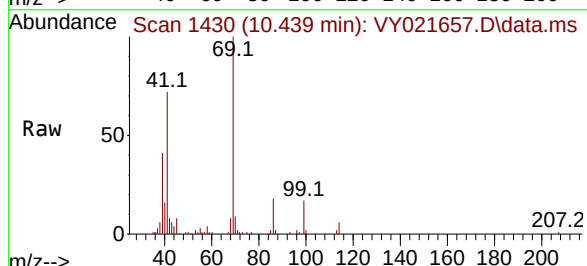
Tgt Ion:	97	Resp:	20050
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.5	104.3
85	51.3	43.9	65.9
99	59.0	49.9	74.9

Manual Integrations
APPROVED

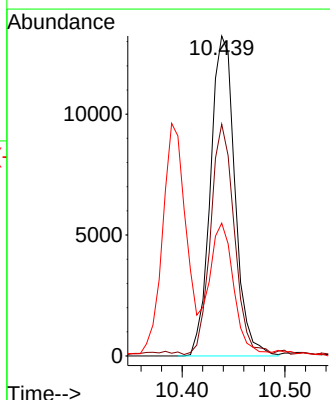
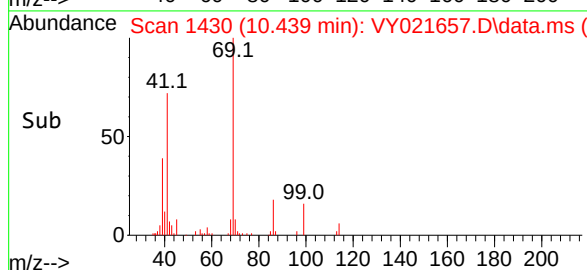
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

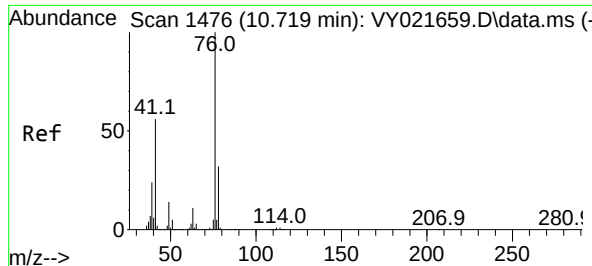


#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



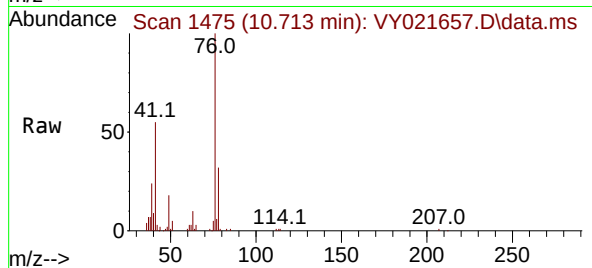
Tgt Ion:	69	Resp:	21901
Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.8	80.6
39	40.2	29.6	44.4





#57
1,3-Dichloropropane
Concen: 10.467 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

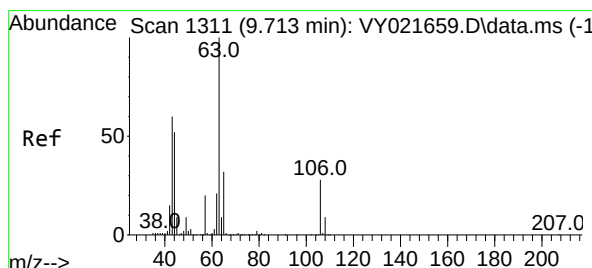
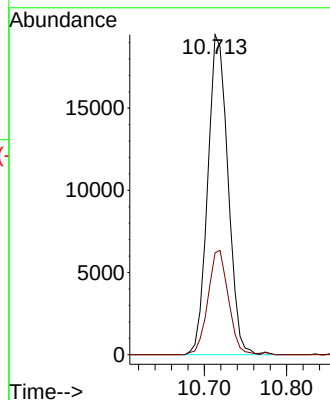
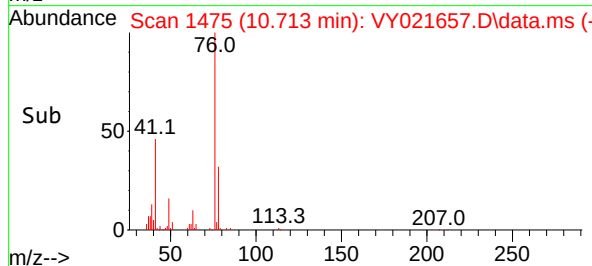
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 76 Resp: 33310
Ion Ratio Lower Upper
76 100
78 32.9 25.8 38.8

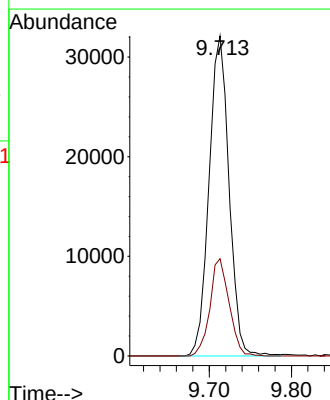
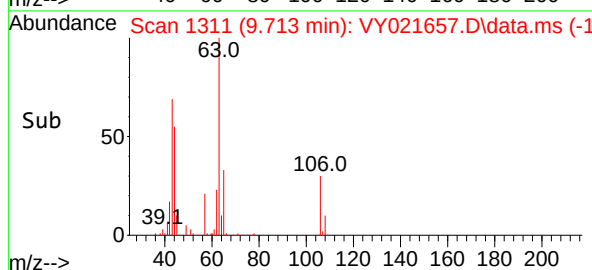
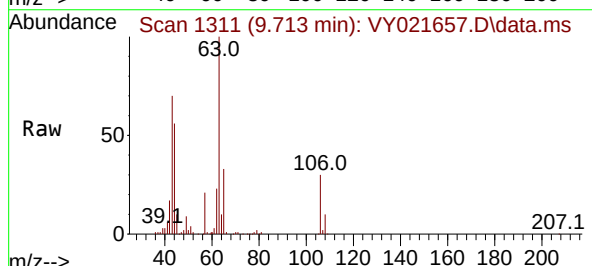
Manual Integrations
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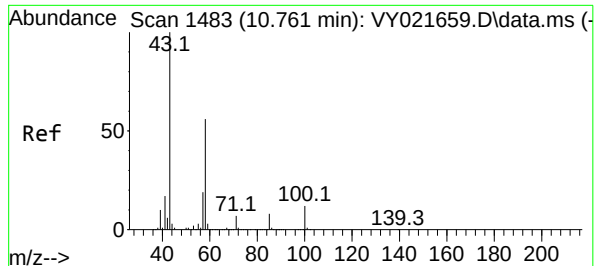
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 47.274 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 54271
Ion Ratio Lower Upper
63 100
106 29.2 22.4 33.6





#59

2-Hexanone

Concen: 50.295 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 54649

Ion Ratio Lower Upper

43 100

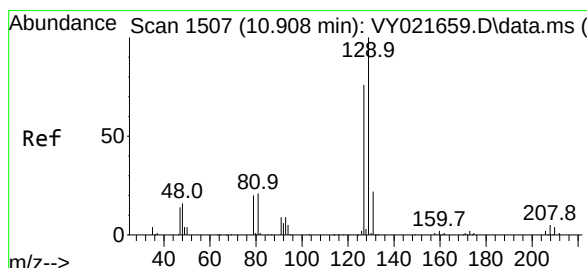
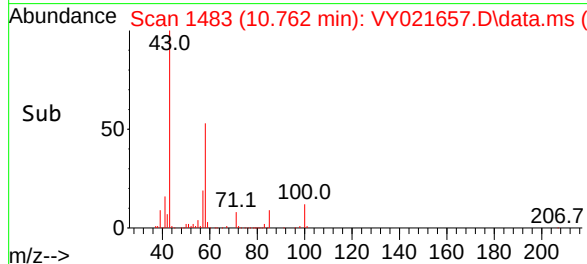
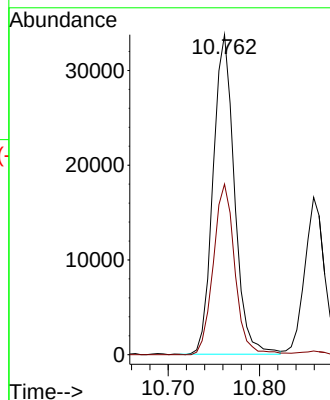
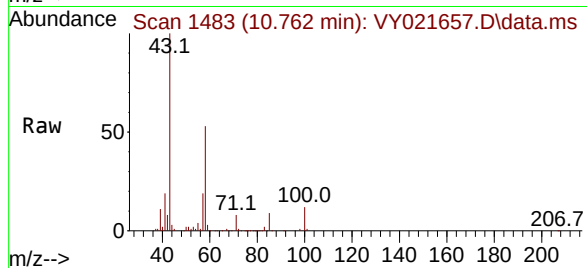
58 54.0 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 10.346 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021657.D

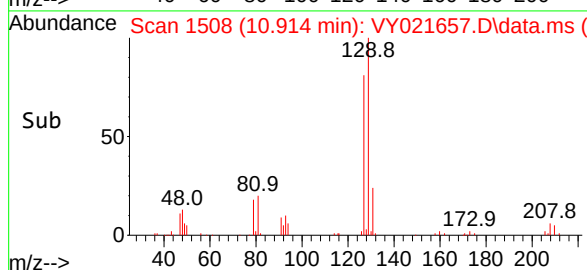
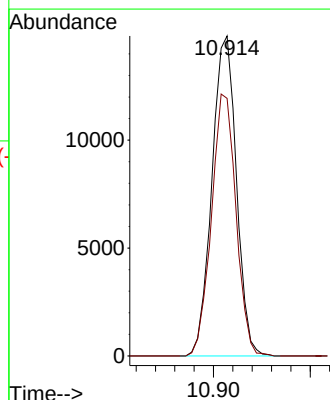
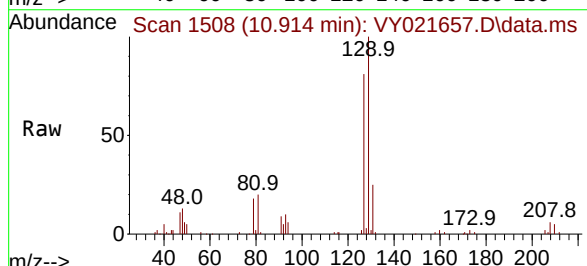
Acq: 27 Mar 2025 10:31

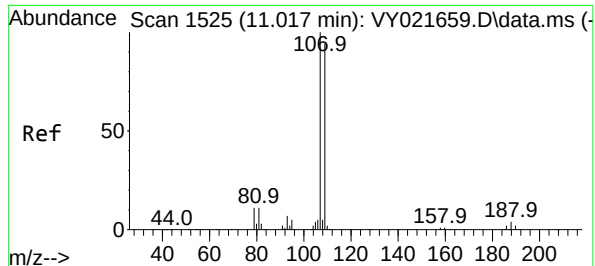
Tgt Ion:129 Resp: 26032

Ion Ratio Lower Upper

129 100

127 82.2 38.6 115.7





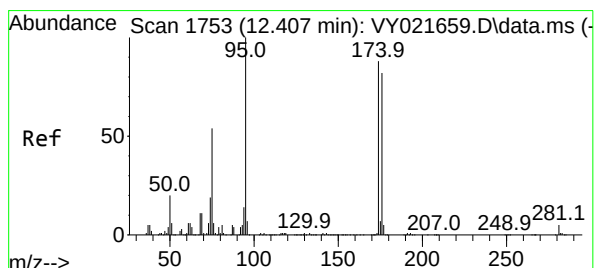
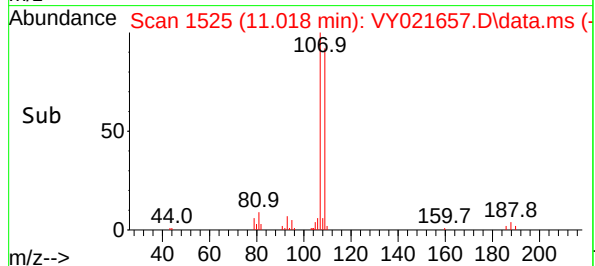
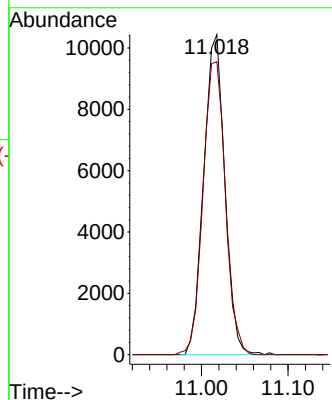
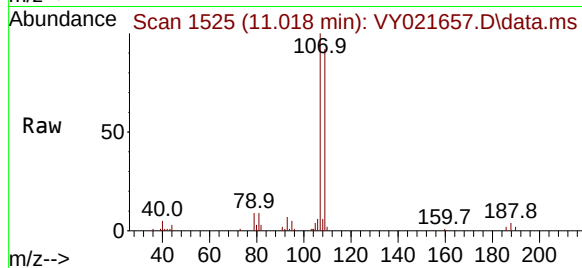
#61
1,2-Dibromoethane
Concen: 10.251 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:107 Resp: 1772
Ion Ratio Lower Upper
107 100
109 96.3 74.4 111.6

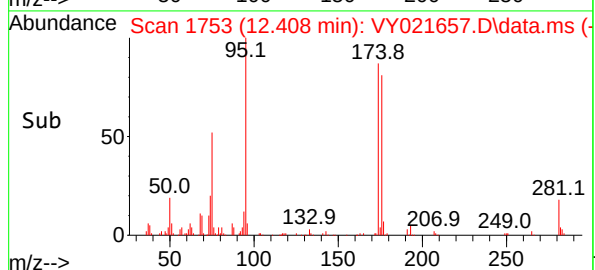
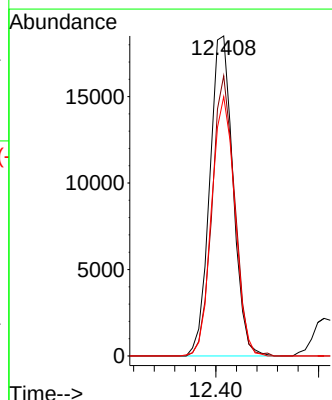
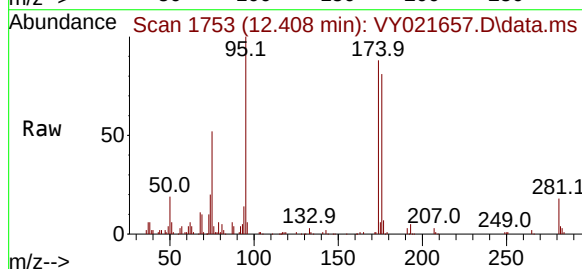
Manual Integrations
APPROVED

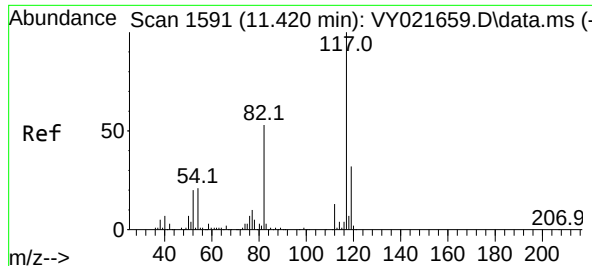
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 9.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

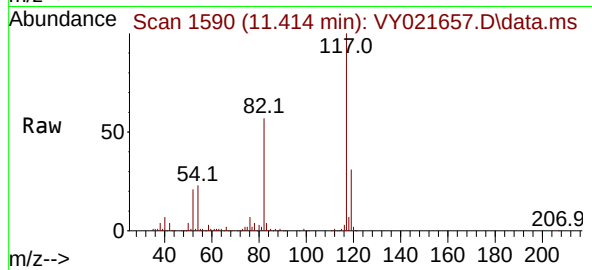
Tgt Ion: 95 Resp: 29125
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 81.1 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

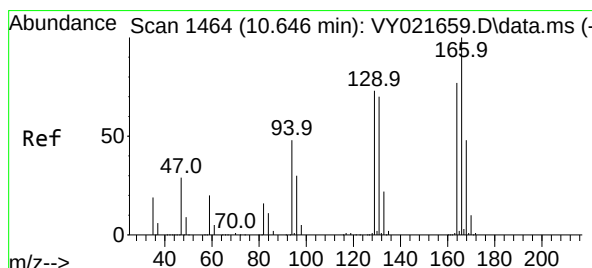
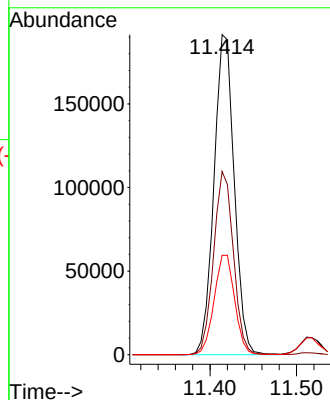
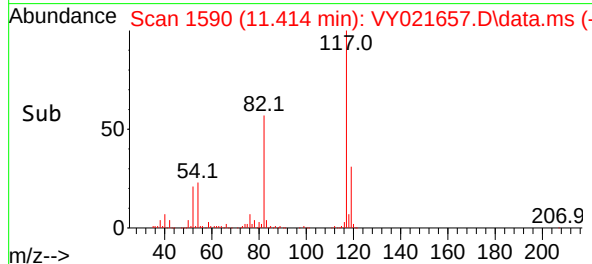
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:117 Resp: 31173
Ion Ratio Lower Upper
117 100
82 57.2 42.8 64.2
119 31.0 25.7 38.5

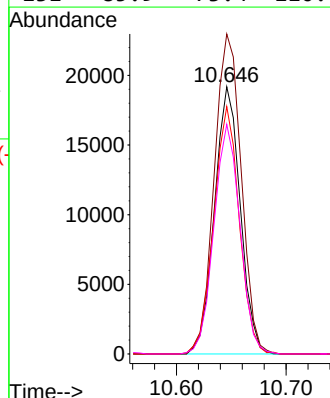
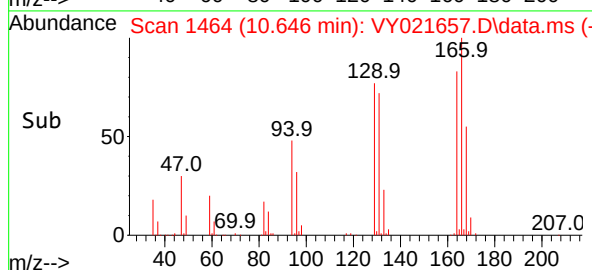
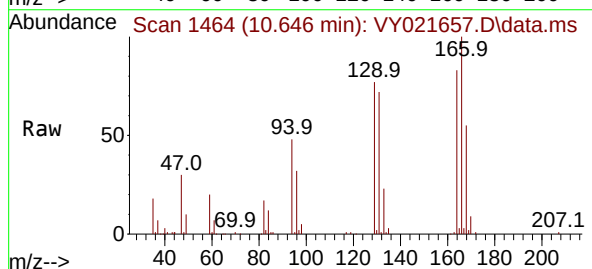
Manual Integrations
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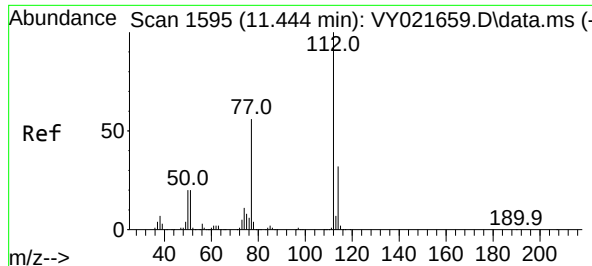
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 11.036 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:164 Resp: 31334
Ion Ratio Lower Upper
164 100
166 119.8 104.6 156.8
129 92.6 76.6 114.8
131 85.9 73.4 110.0





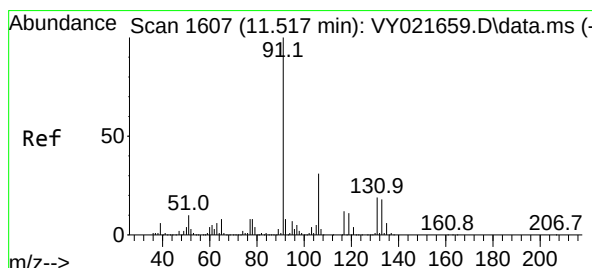
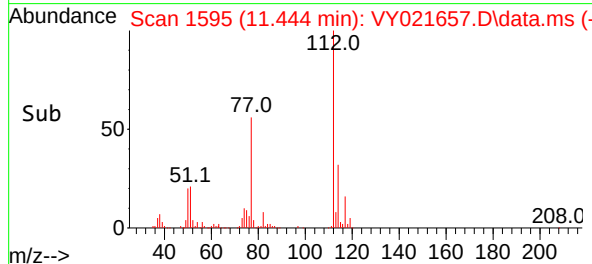
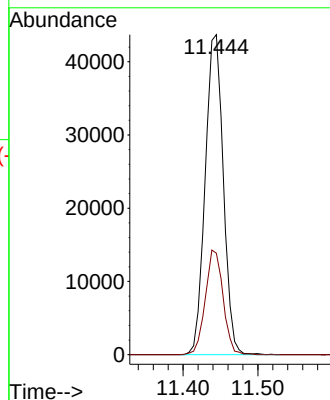
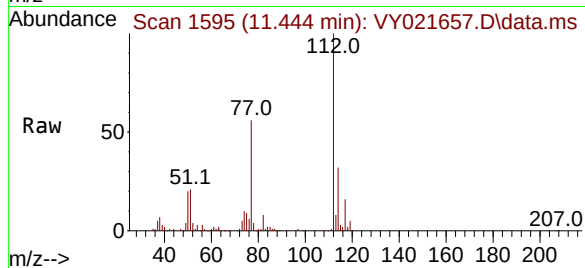
#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 7343
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

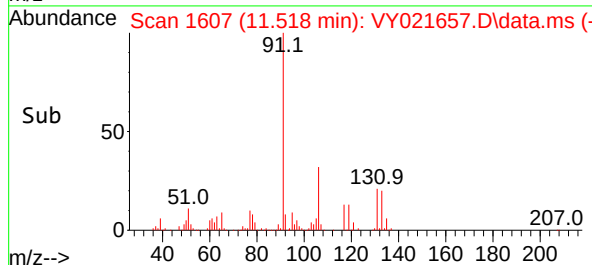
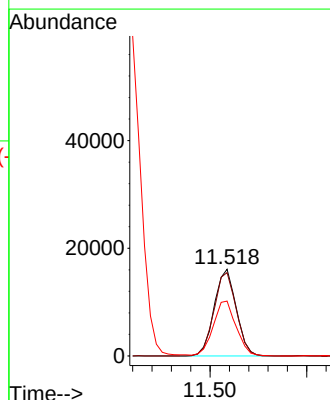
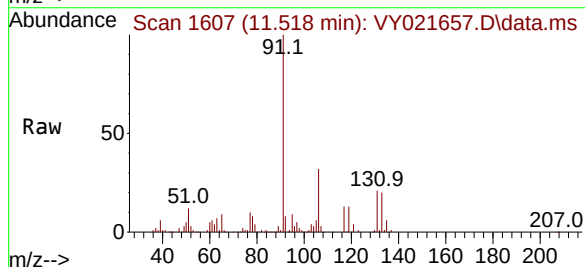
Manual Integrations
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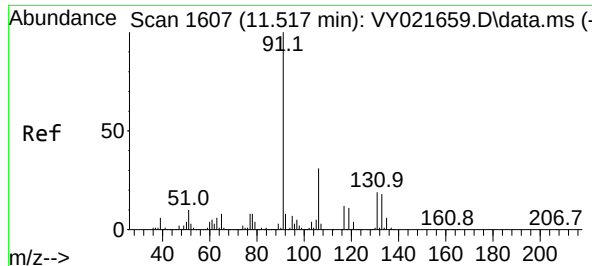
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 10.060 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:131 Resp: 25506
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.8
119 65.9 31.6 95.0





#67

Ethyl Benzene

Concen: 9.750 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 119480

Ion Ratio Lower Upper

91 100

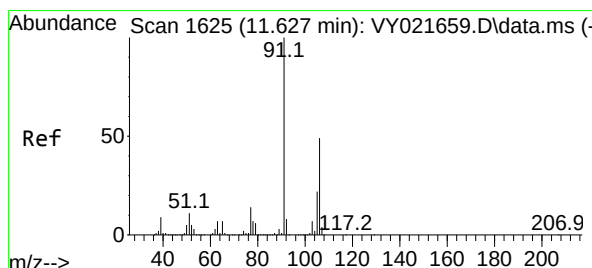
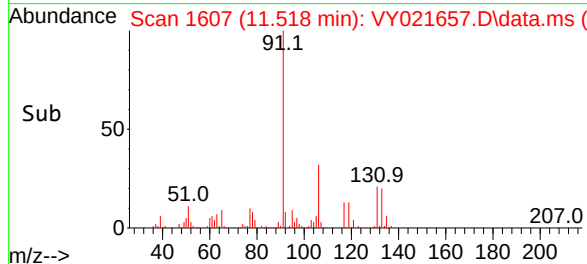
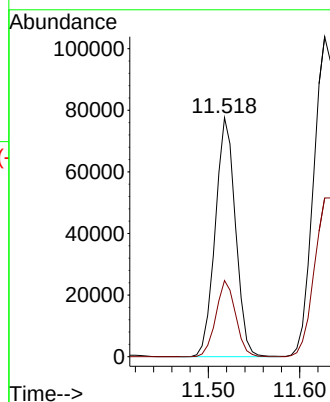
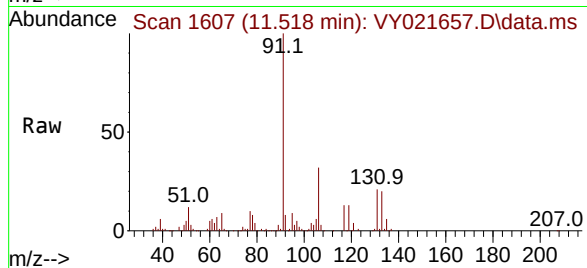
106 31.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 20.009 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021657.D

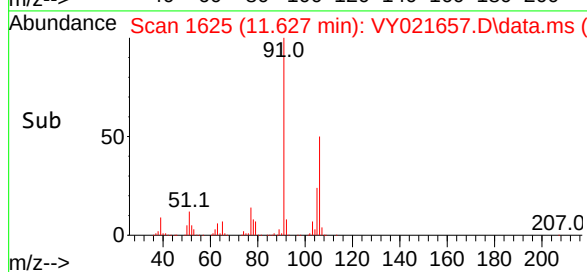
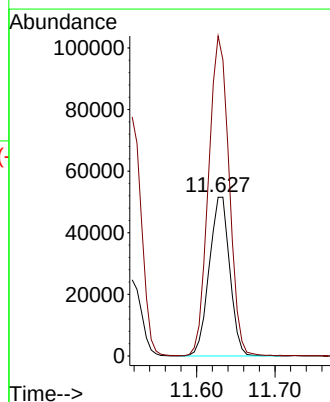
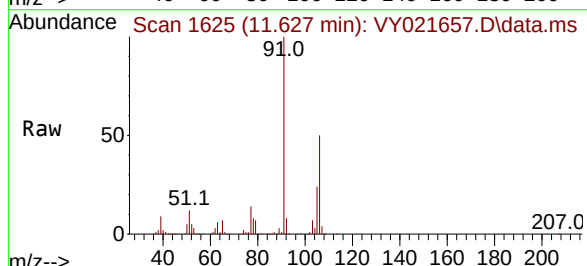
Acq: 27 Mar 2025 10:31

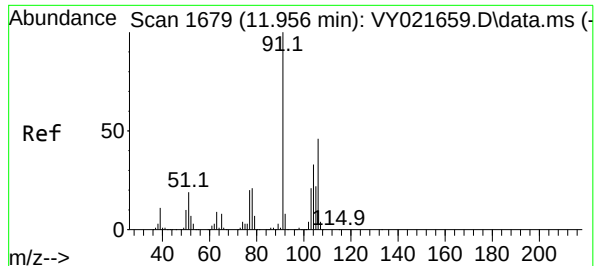
Tgt Ion:106 Resp: 93887

Ion Ratio Lower Upper

106 100

91 201.5 162.4 243.6





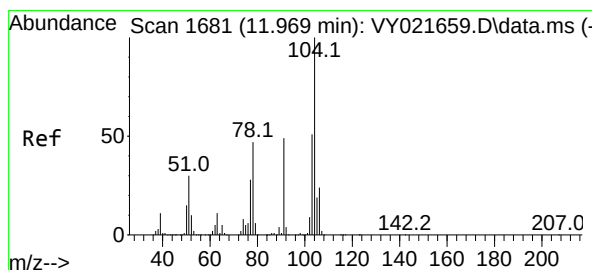
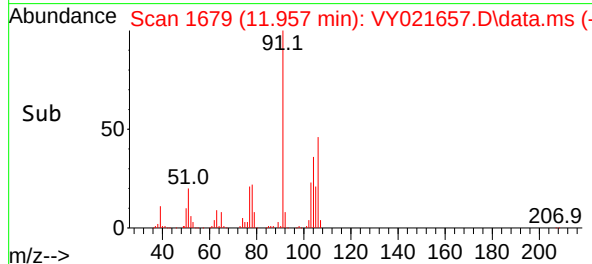
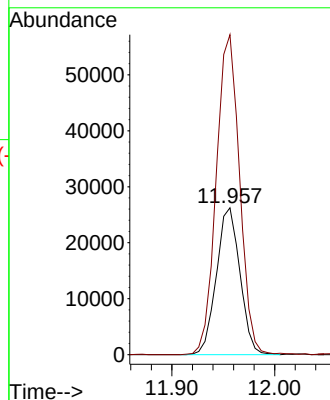
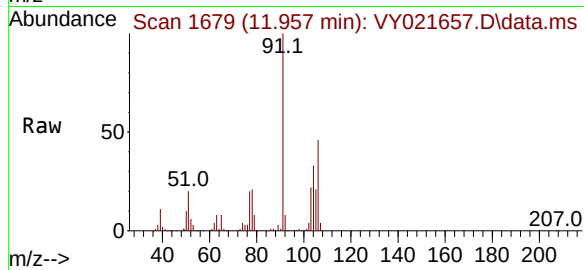
#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 41768
Ion Ratio Lower Upper
106 100
91 216.6 106.7 319.9

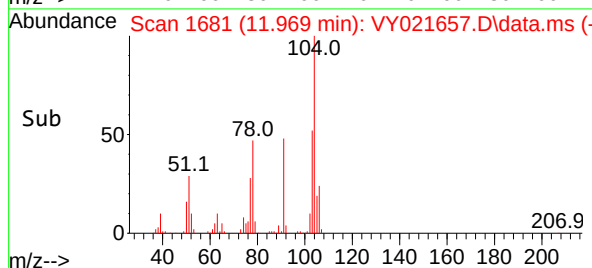
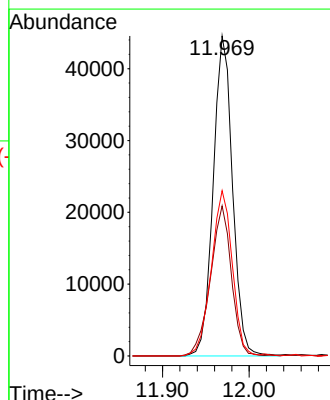
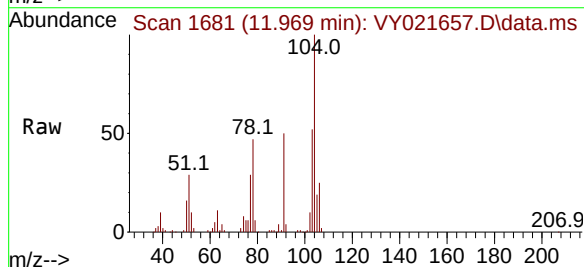
Manual Integrations
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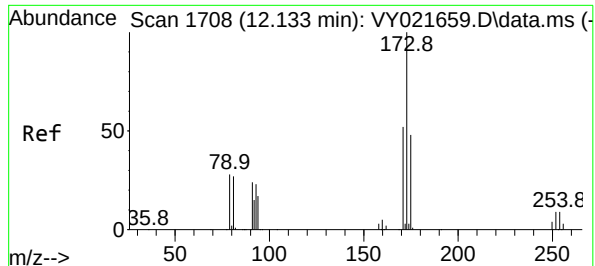
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 9.581 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

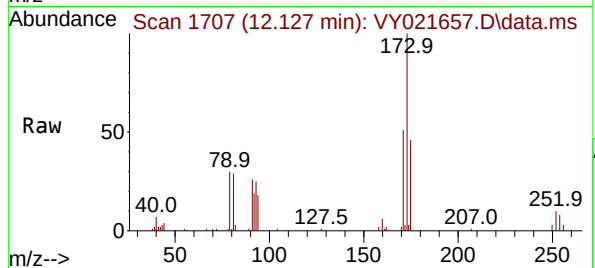
Tgt Ion:104 Resp: 69196
Ion Ratio Lower Upper
104 100
78 50.7 40.8 61.2
103 56.1 44.2 66.2





#71
Bromoform
Concen: 10.294 ug/l
RT: 12.127 min Scan# 1707
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

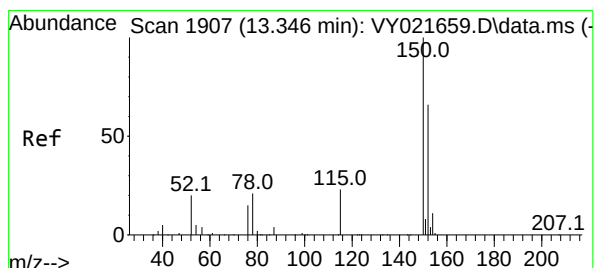
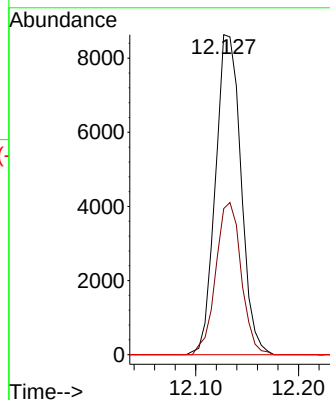
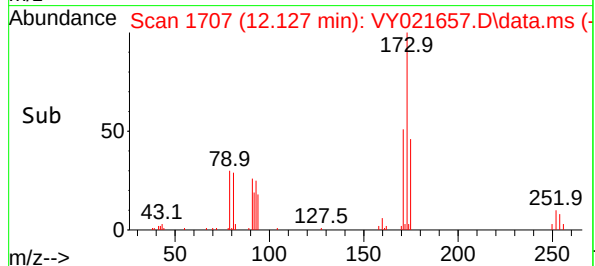
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



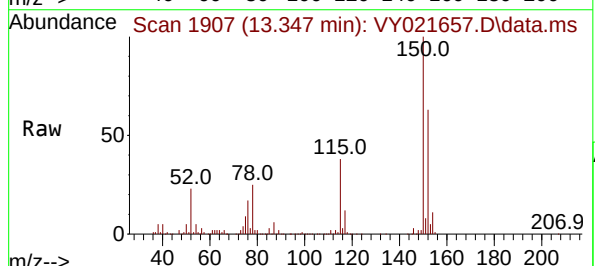
Tgt Ion:173 Resp: 1488
Ion Ratio Lower Upper
173 100
175 47.5 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
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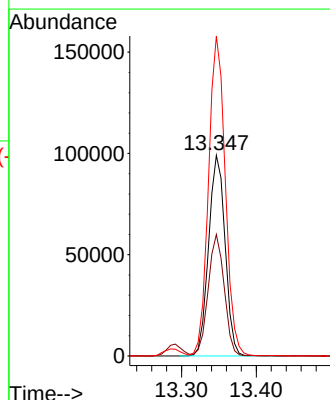
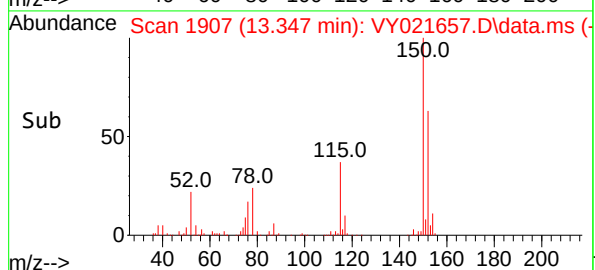
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

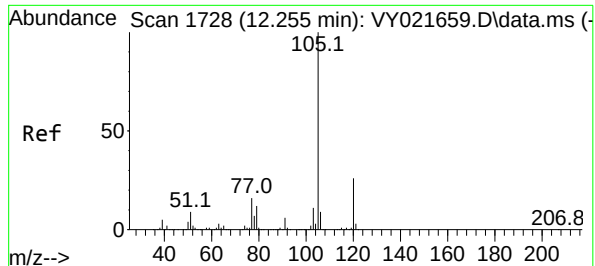


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



Tgt Ion:152 Resp: 152005
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 161.6 0.0 348.4





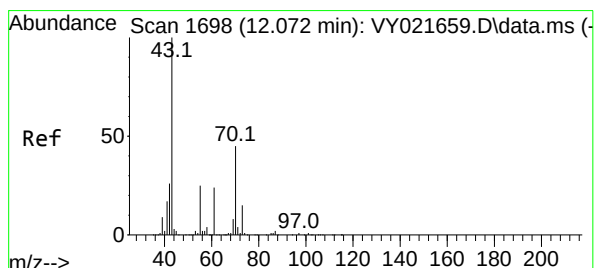
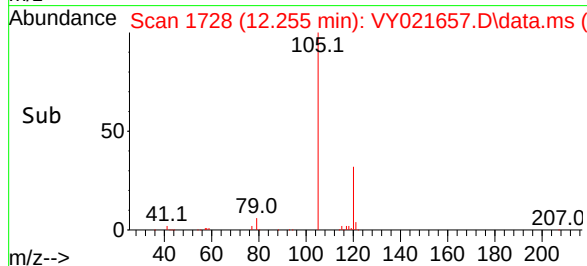
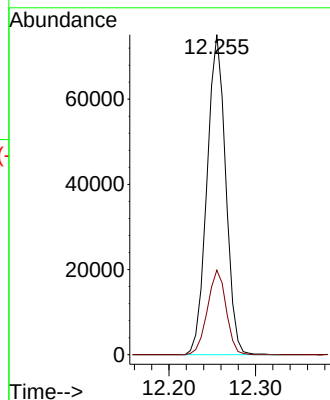
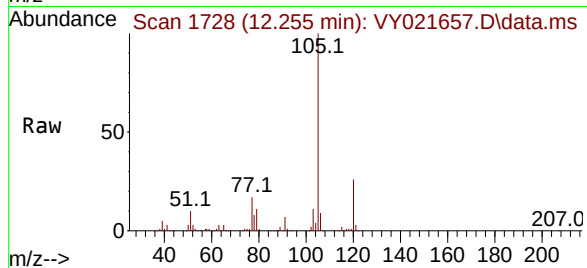
#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 11251
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 105 Resp: 11251
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

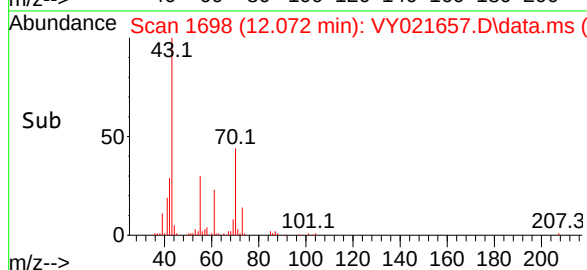
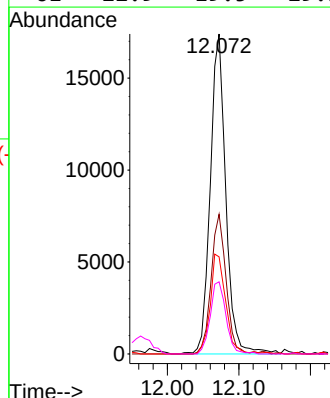
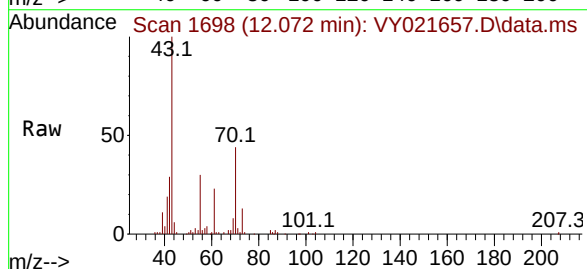
Manual Integrations
APPROVED

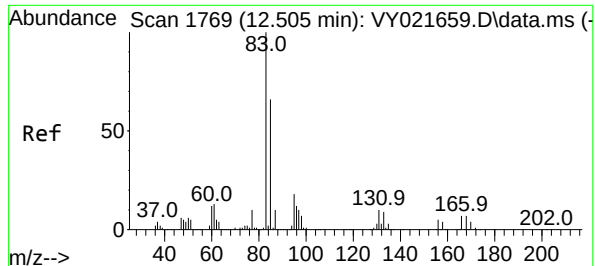
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 9.910 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 26259
Ion Ratio Lower Upper
43 100
70 41.9 34.7 52.1
55 30.8 21.2 31.8
61 22.9 19.5 29.3





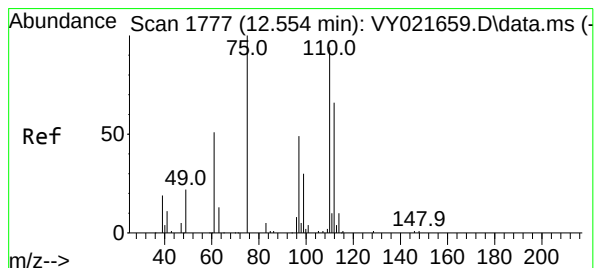
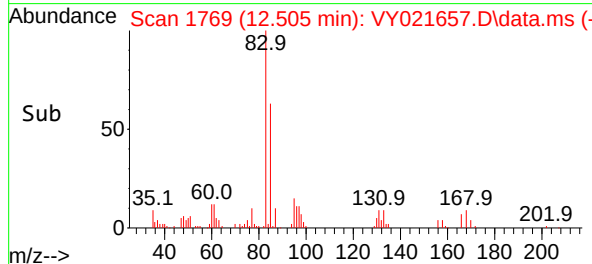
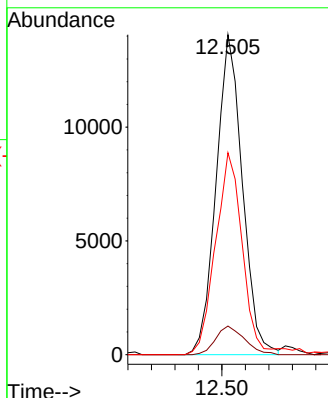
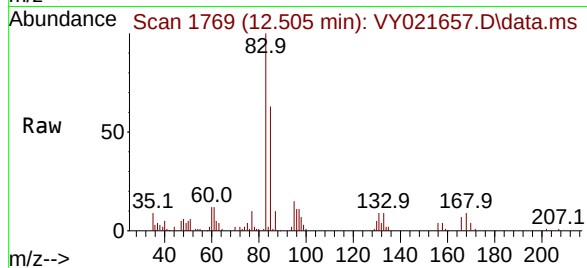
#75
1,1,2,2-Tetrachloroethane
Concen: 10.781 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 2188
Ion Ratio Lower Upper
83 100
131 9.8 5.1 15.3
85 65.8 32.3 96.8

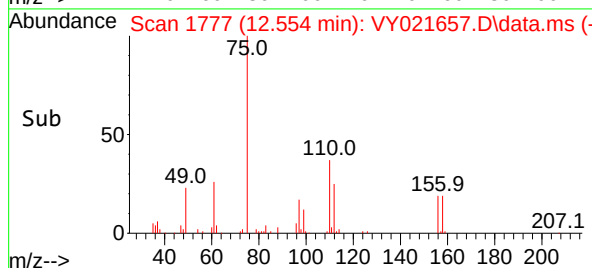
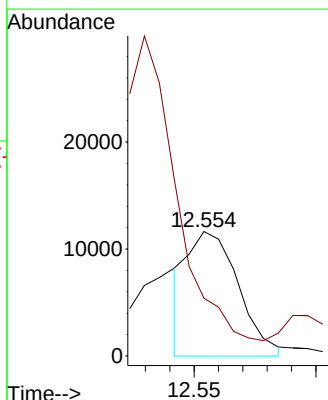
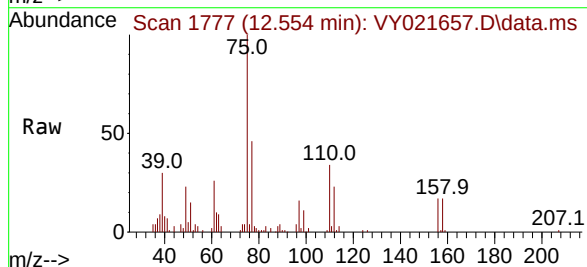
Manual Integrations
APPROVED

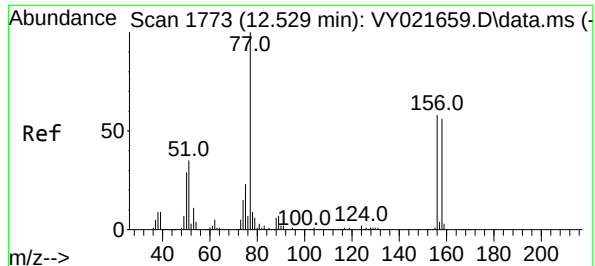
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 11.300 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 17026
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





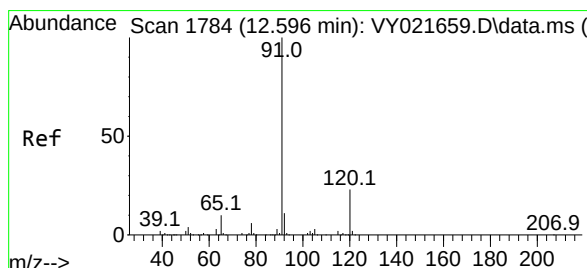
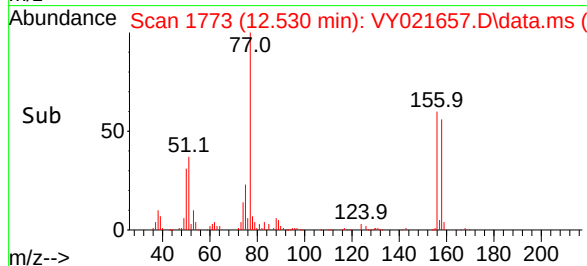
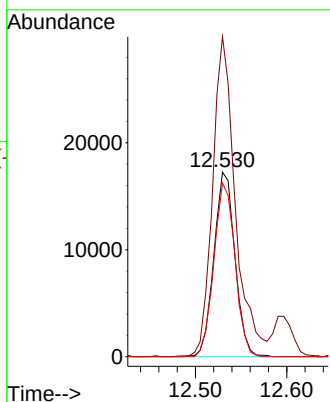
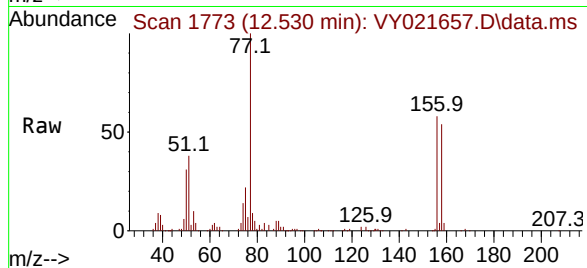
#77
Bromobenzene
Concen: 10.199 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:	156	Resp:	2764
Ion Ratio	Lower	Upper	
156	100		
77	187.1	92.8	278.3
158	94.2	48.5	145.6

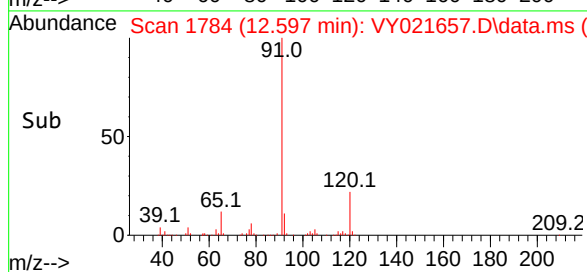
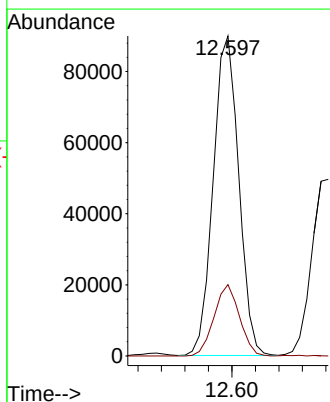
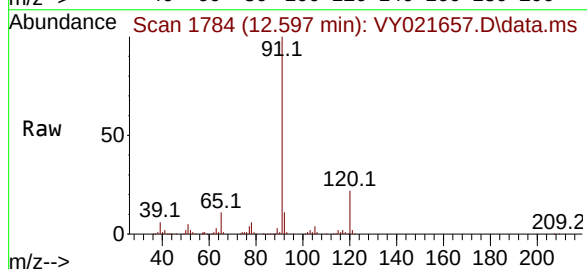
Manual Integrations
APPROVED

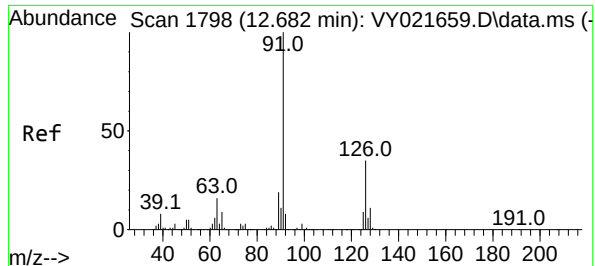
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 9.983 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:	91	Resp:	135498
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.9





#79

2-Chlorotoluene

Concen: 10.158 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 80079

Ion Ratio Lower Upper

91 100

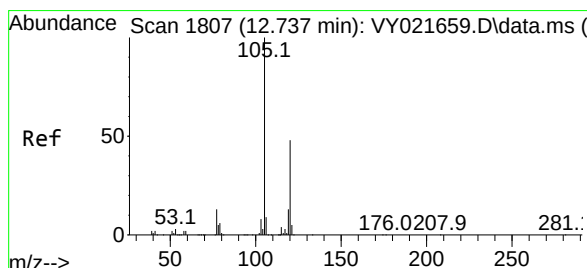
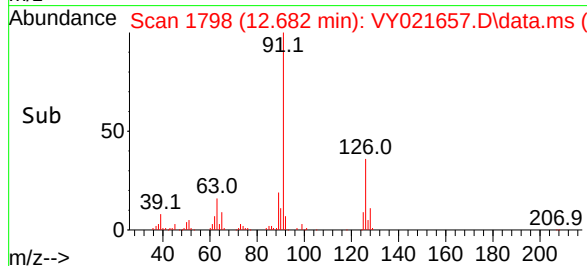
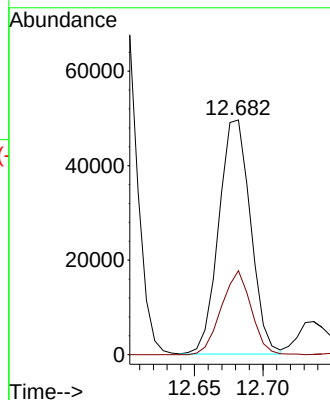
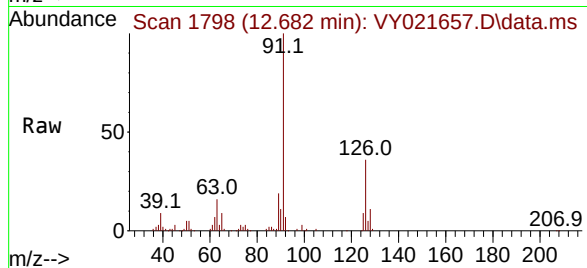
126 33.6 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.888 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021657.D

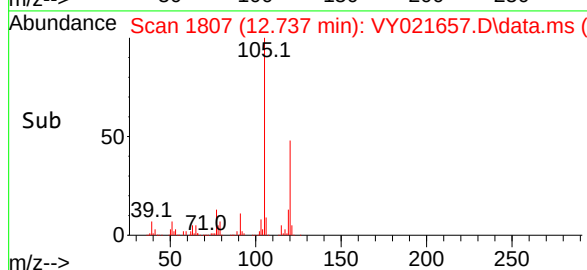
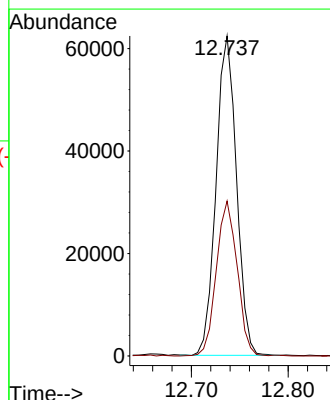
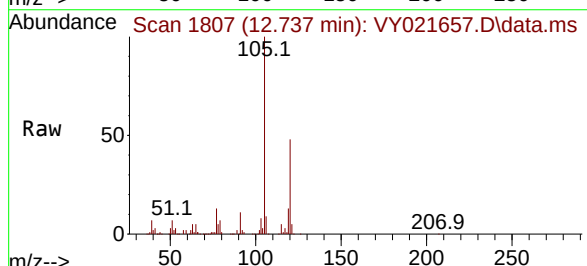
Acq: 27 Mar 2025 10:31

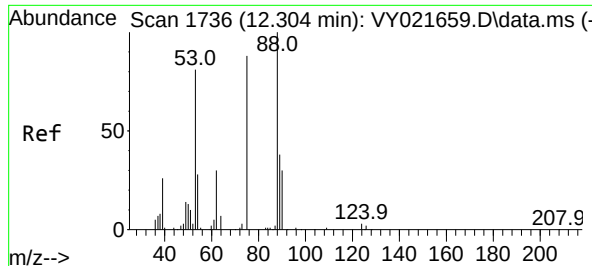
Tgt Ion:105 Resp: 91235

Ion Ratio Lower Upper

105 100

120 49.6 24.5 73.5





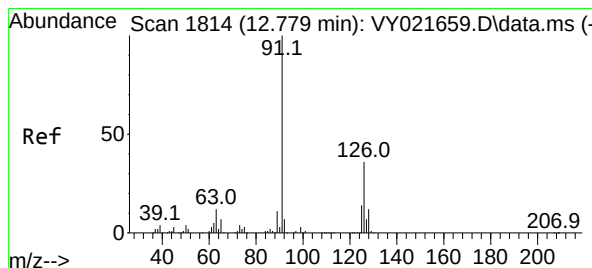
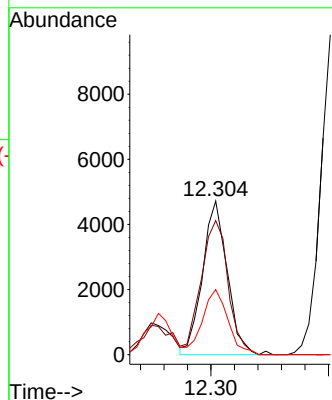
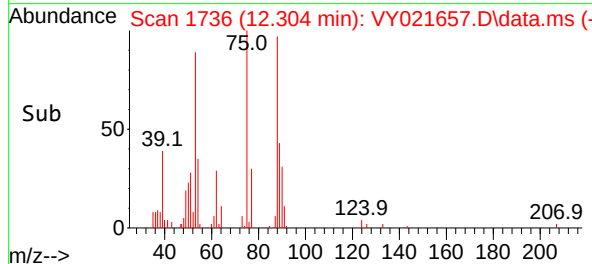
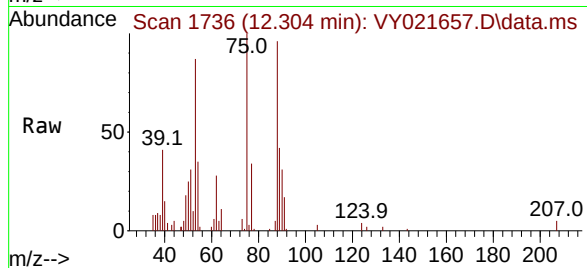
#81
trans-1,4-Dichloro-2-butene
Concen: 10.550 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 689
Ion Ratio Lower Upper
75 100
53 95.8 76.1 114.1
89 44.2 36.2 54.4

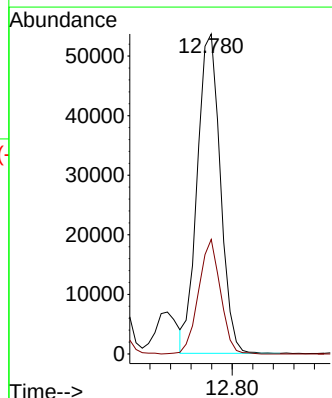
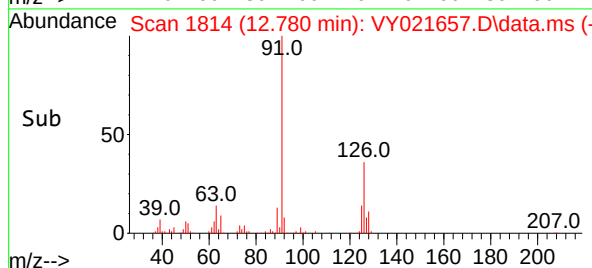
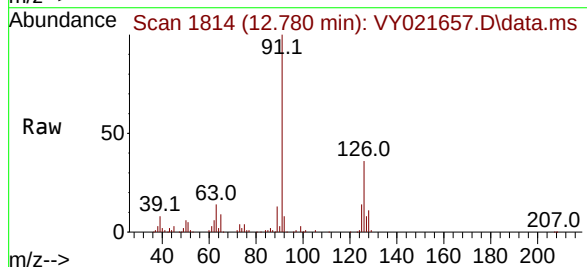
Manual Integrations
APPROVED

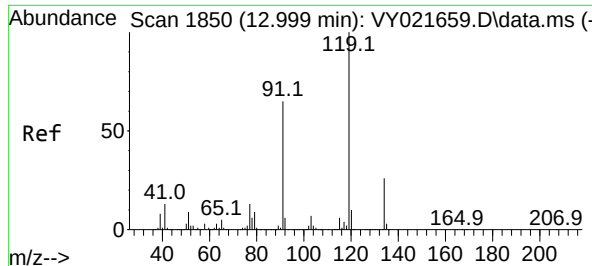
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 10.157 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 83484
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83

tert-Butylbenzene

Concen: 9.892 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

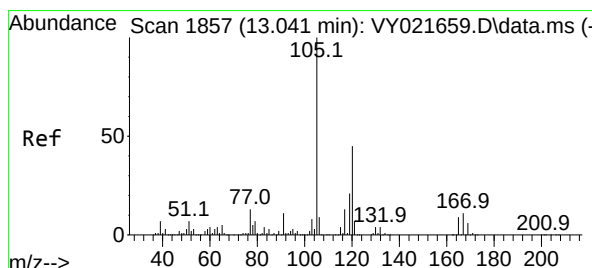
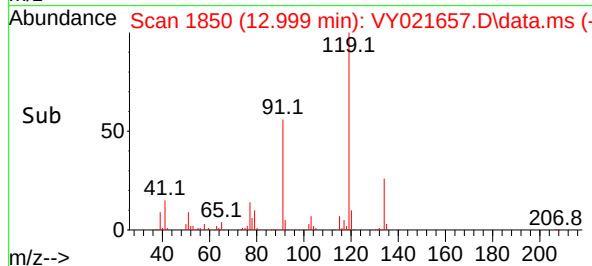
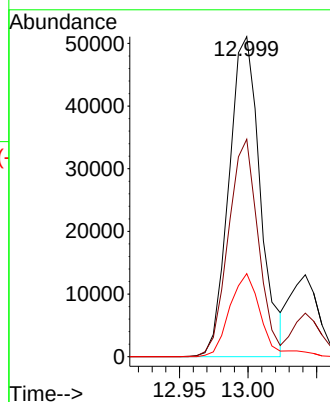
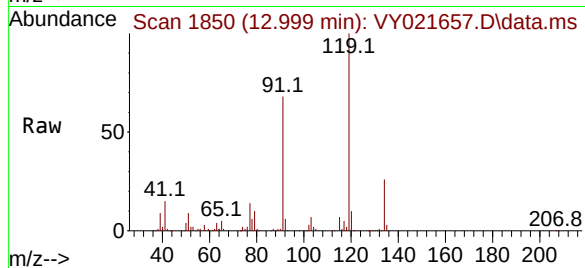
ClientSampleId :

VSTDIC010

Tgt Ion:	119	Resp:	81290
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.2	13.2	39.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 9.884 ug/l

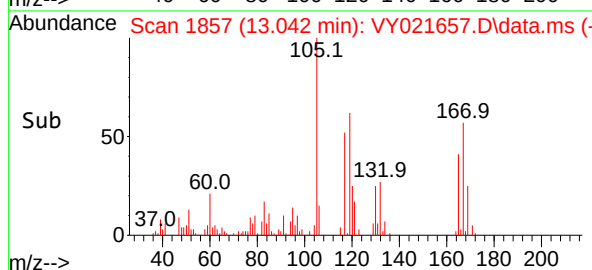
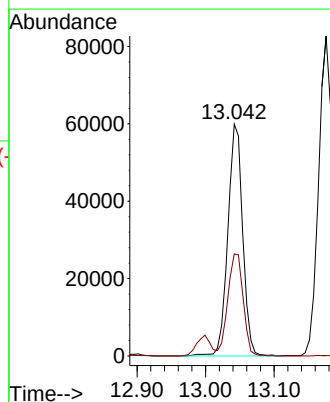
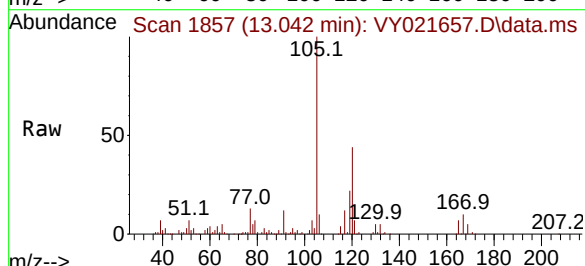
RT: 13.042 min Scan# 1857

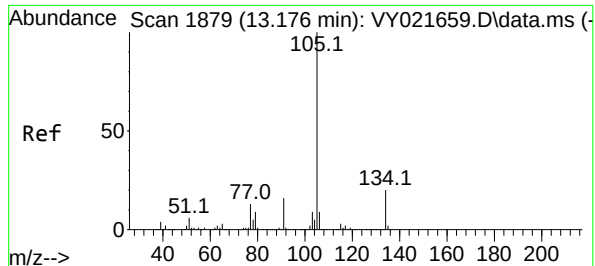
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	105	Resp:	90142
Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 10.122 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 121579

Ion Ratio Lower Upper

105 100

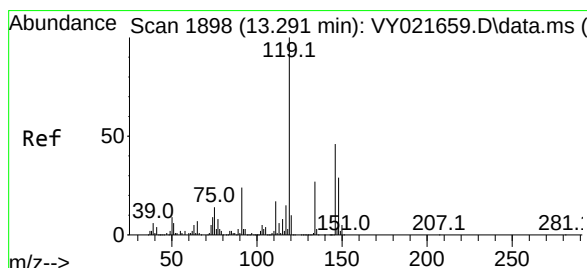
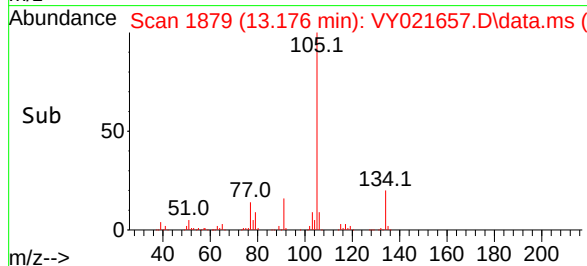
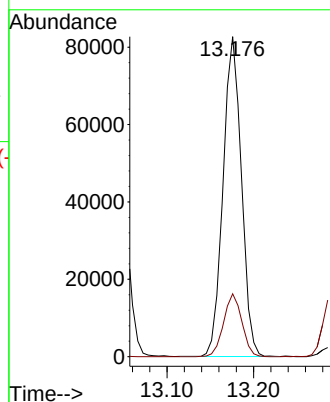
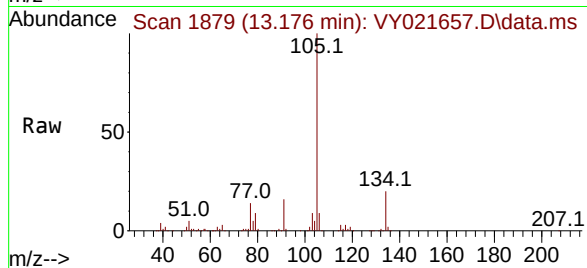
134 19.6 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 9.781 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

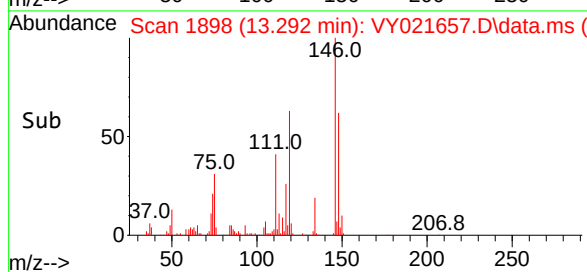
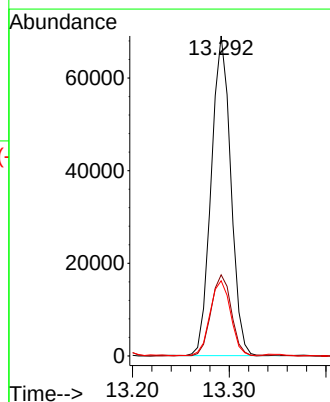
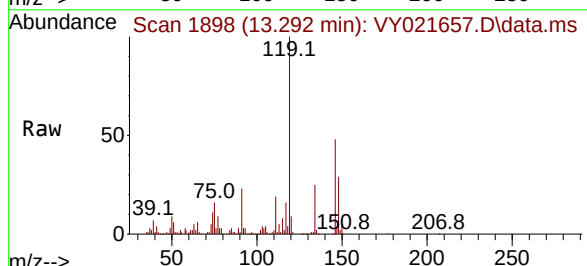
Tgt Ion:119 Resp: 97092

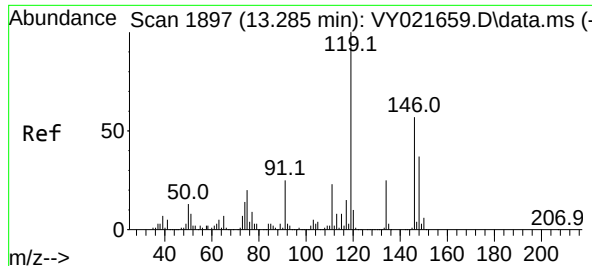
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 10.098 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

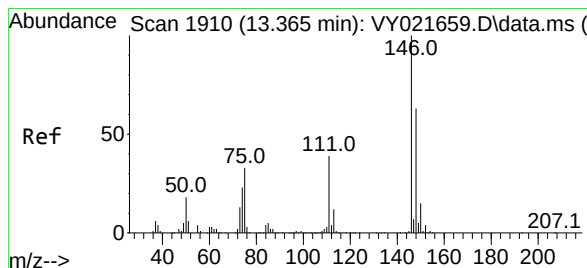
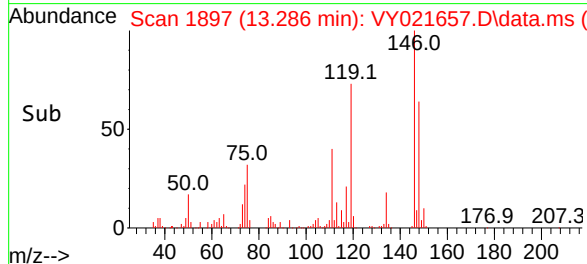
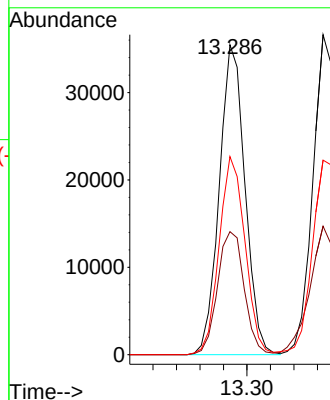
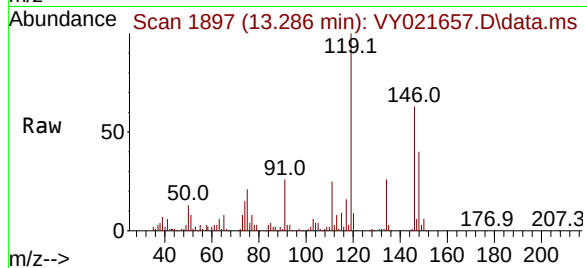
VSTDIC010

Tgt Ion:146	Resp:	53929
Ion Ratio	Lower	Upper
146	100	
111	41.3	20.0 60.0
148	64.4	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 10.336 ug/l

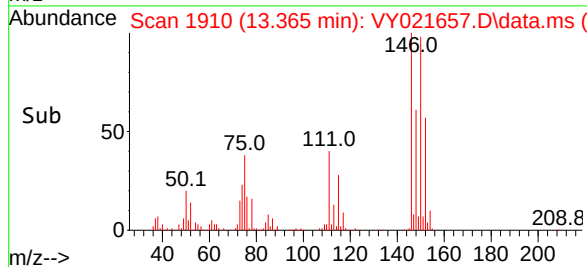
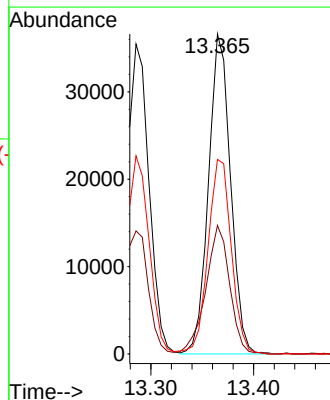
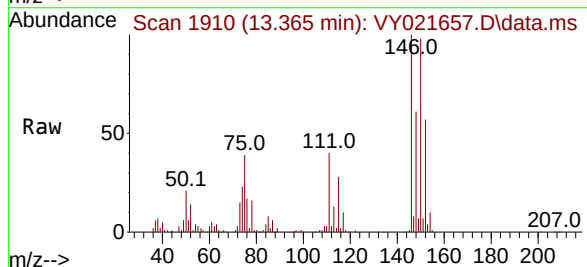
RT: 13.365 min Scan# 1910

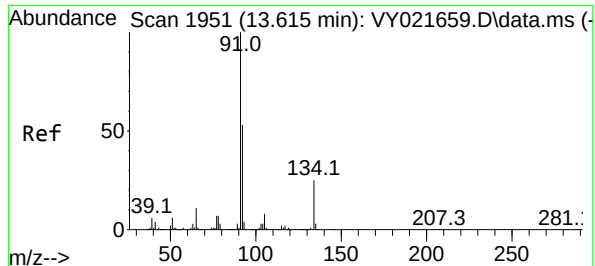
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:146	Resp:	54536
Ion Ratio	Lower	Upper
146	100	
111	43.6	19.1 57.1
148	64.4	31.5 94.5





#89

n-Butylbenzene

Concen: 9.712 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

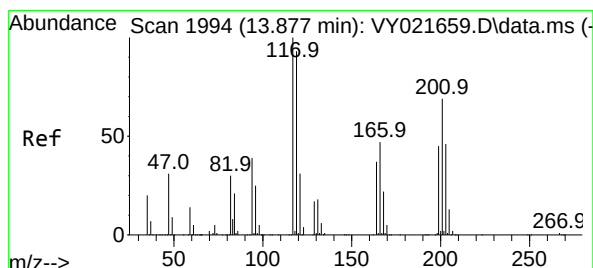
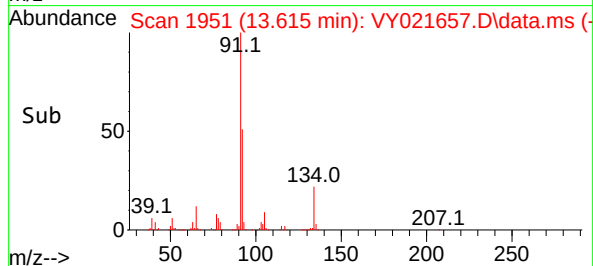
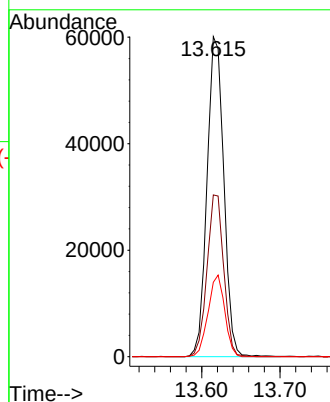
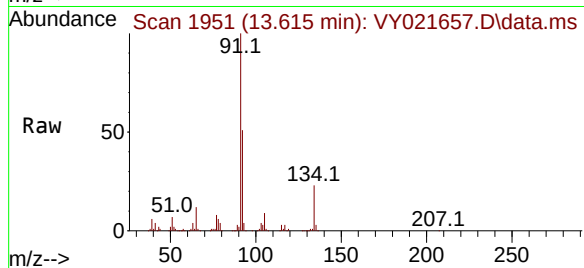
ClientSampleId :

VSTDIC010

Tgt Ion: 91	Resp: 8916
Ion Ratio	Lower Upper
91 100	
92 50.3	26.4 79.2
134 25.4	12.8 38.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 10.059 ug/l

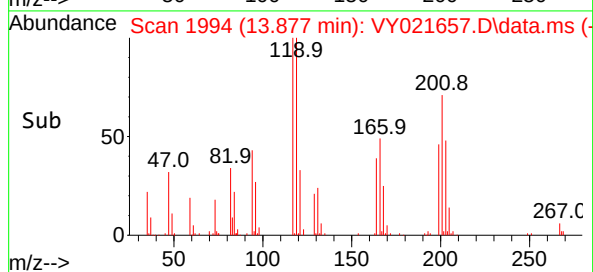
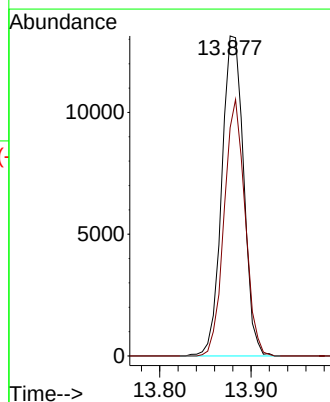
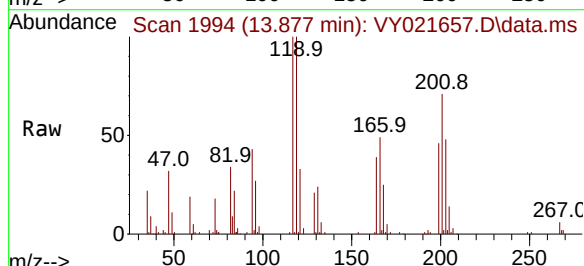
RT: 13.877 min Scan# 1994

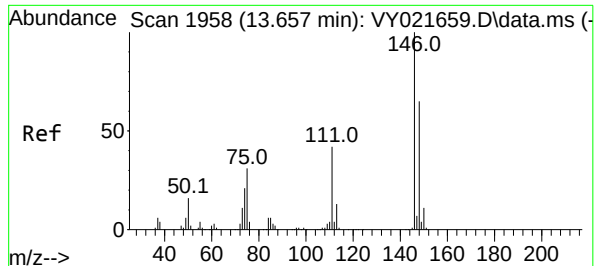
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 117	Resp: 21881
Ion Ratio	Lower Upper
117 100	
201 76.5	37.4 112.1





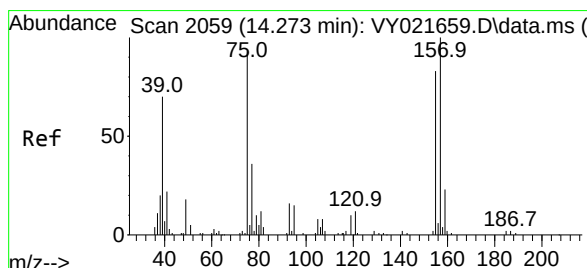
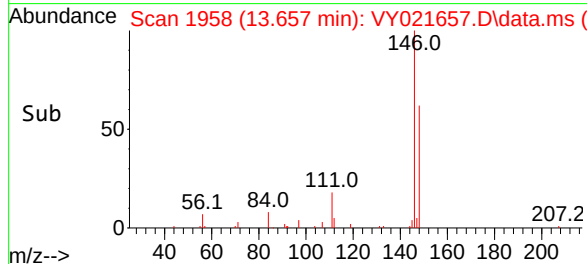
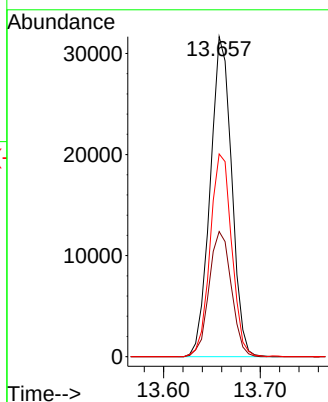
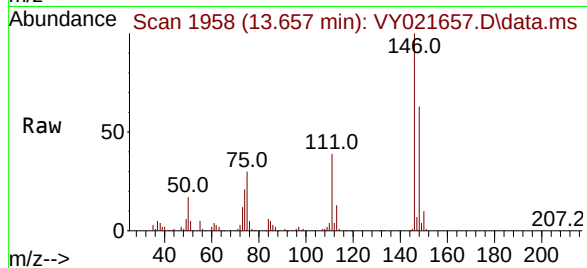
#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 4884
Ion Ratio Lower Upper
146 100
111 40.6 20.7 62.1
148 63.8 32.3 96.9

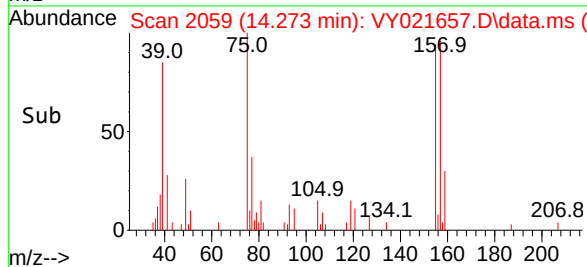
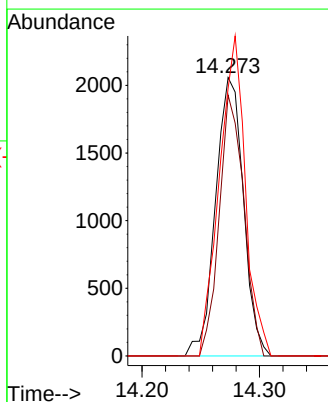
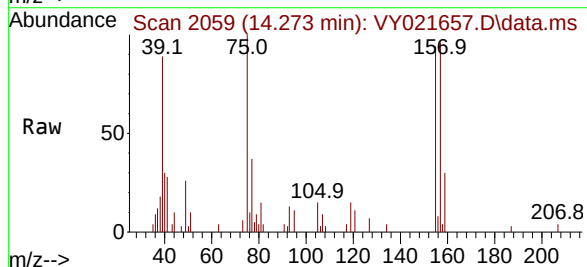
Manual Integrations
APPROVED

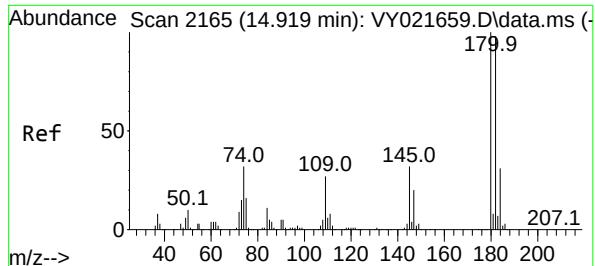
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.766 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3387
Ion Ratio Lower Upper
75 100
155 82.8 43.0 128.8
157 107.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 9.419 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

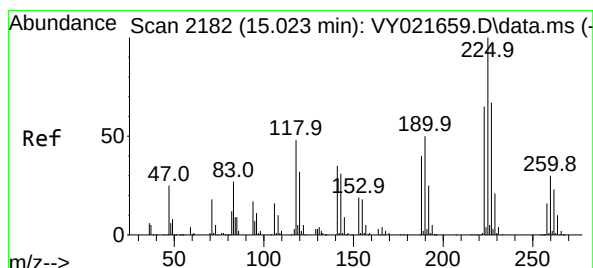
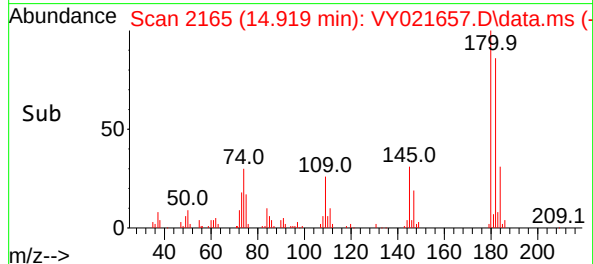
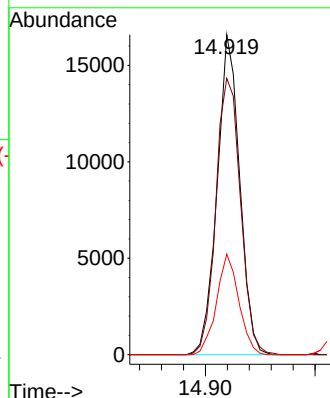
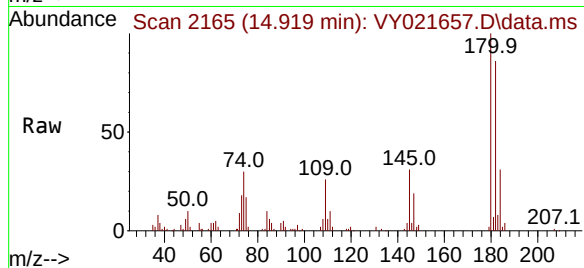
VSTDIC010

Tgt Ion:	180	Resp:	2374
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.5	142.6
145	31.1	14.9	44.9

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

Concen: 10.063 ug/l

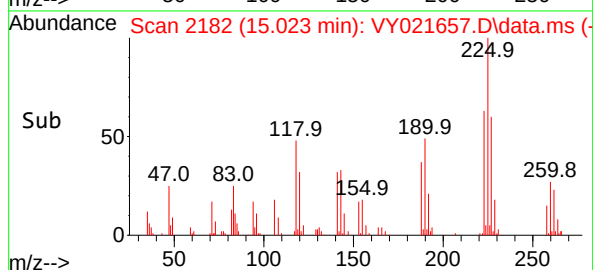
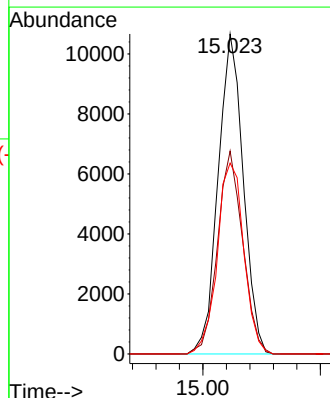
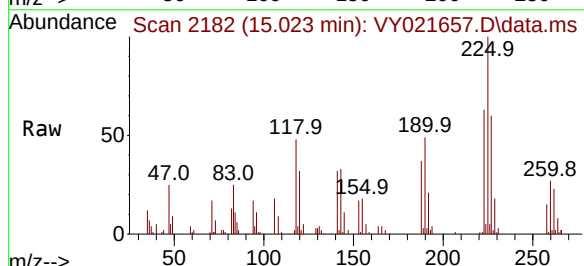
RT: 15.023 min Scan# 2182

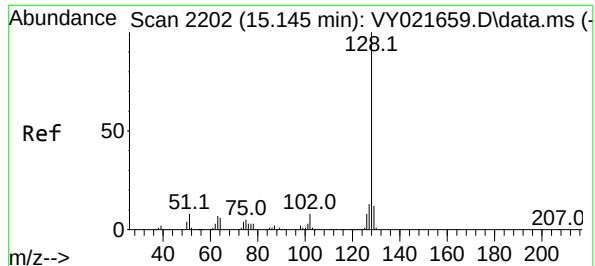
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:	225	Resp:	15844
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.9	95.7
227	63.0	32.4	97.0





#95

Naphthalene

Concen: 8.785 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

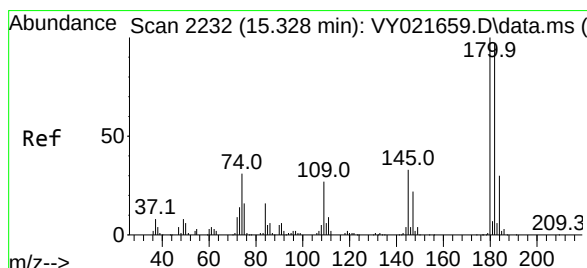
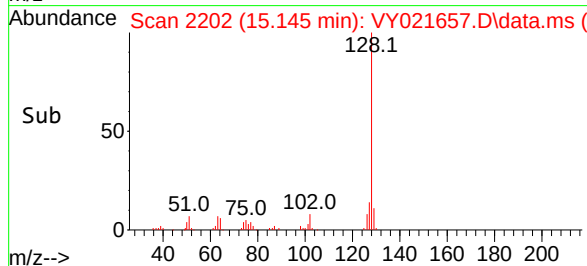
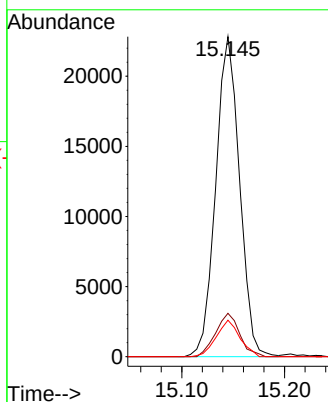
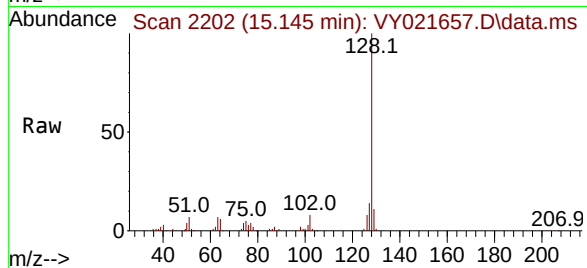
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:128	Resp:	3671
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.8 16.2
129	11.3	8.8 13.2

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#96

1,2,3-Trichlorobenzene

Concen: 9.633 ug/l

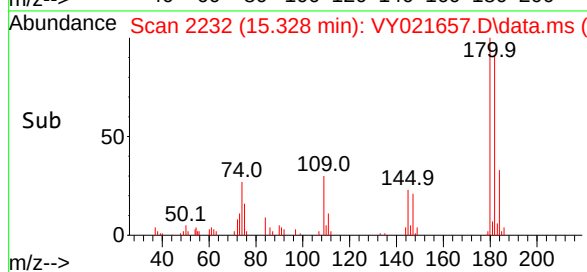
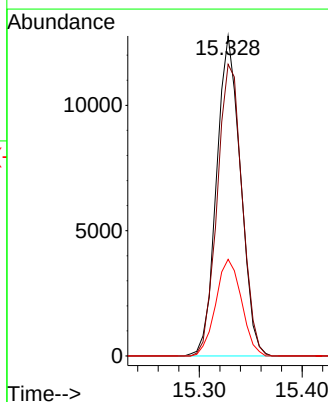
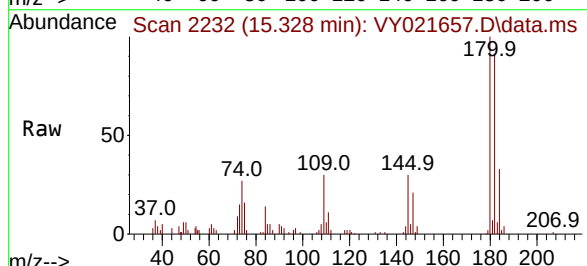
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion:180	Resp:	20711
Ion Ratio	Lower	Upper
180	100	
182	94.2	47.5 142.5
145	32.4	15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.080%#
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	35.820%#
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	36.520%#
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.180%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l	99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l #	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l	95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l	98
46) Dibromomethane	9.231	93	28698	19.067	ug/l	97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l	99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l	94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l	98
52) Toluene	10.170	92	133126	19.340	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l	98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l	97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l	98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l	99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l	100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l	97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l	97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l	98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l	98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l	99
69) o-Xylene	11.957	106	87927	19.462	ug/l	98
70) Styrene	11.969	104	147490	19.580	ug/l	99
71) Bromoform	12.133	173	29726	19.706	ug/l #	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l	100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l	
77) Bromobenzene	12.530	156	55776	19.119	ug/l	99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l	100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l	97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l	100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l	99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l	100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l	98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l	99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l	100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l	99
95) Naphthalene	15.145	128	82325	18.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

Client Sample Id :

VSTDIC020

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025

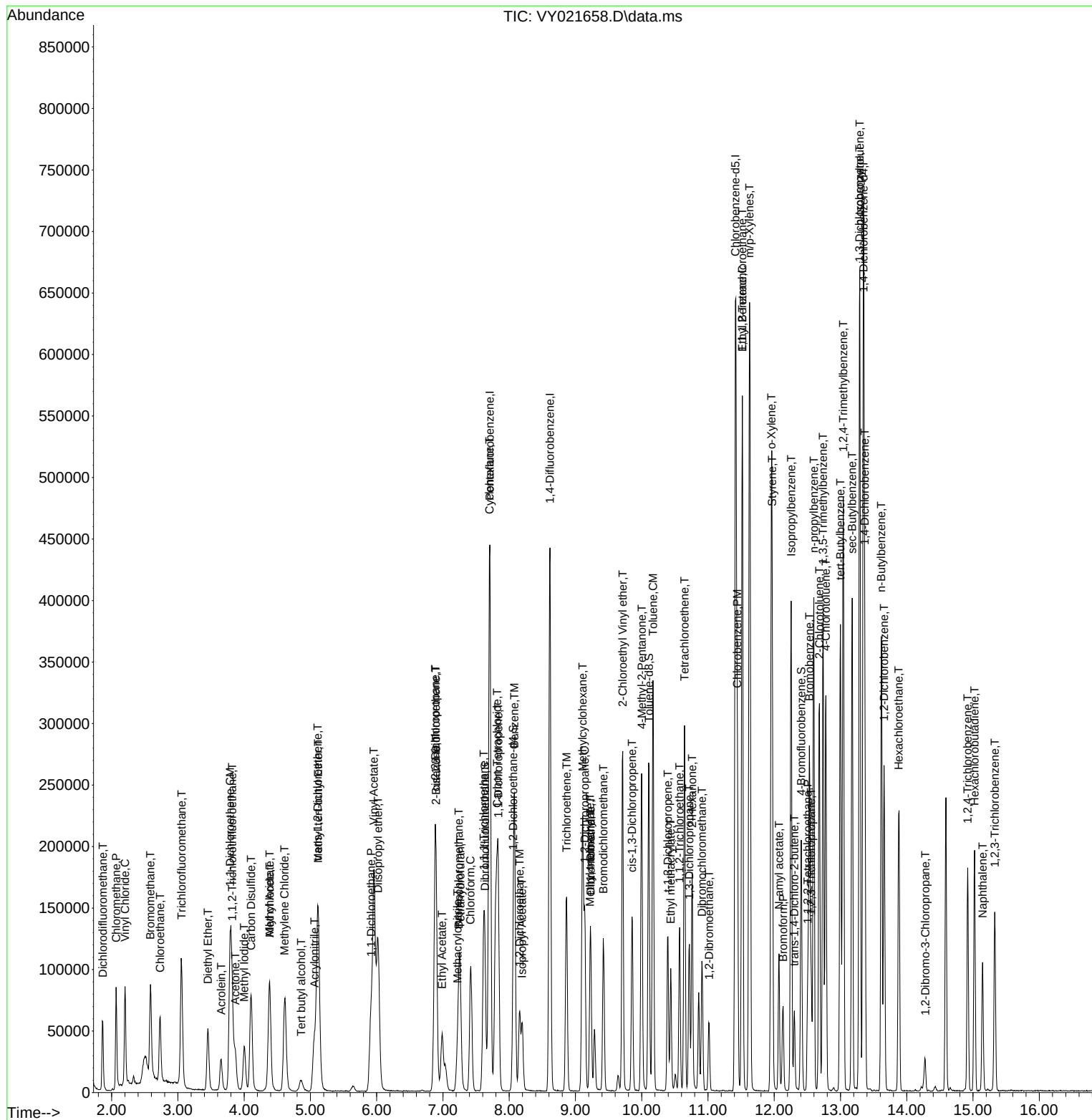
Quant Time: Mar 28 02:15:34 2025

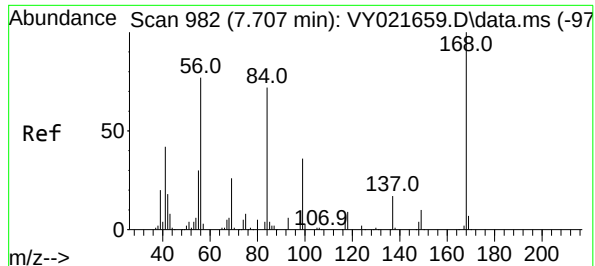
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:08:57 2025

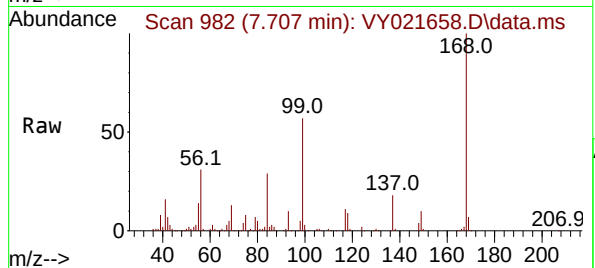
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

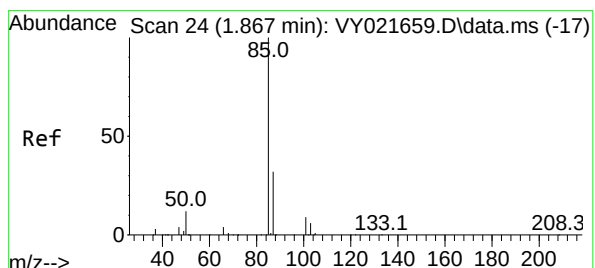
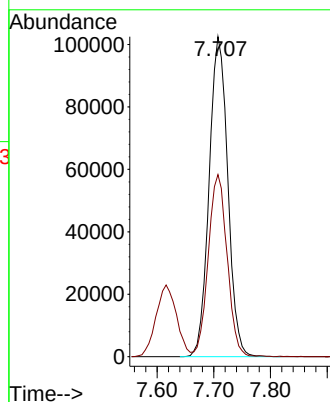
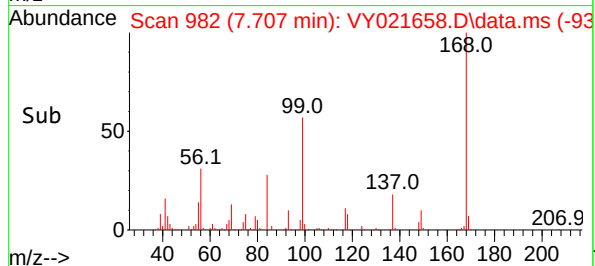
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 234060
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

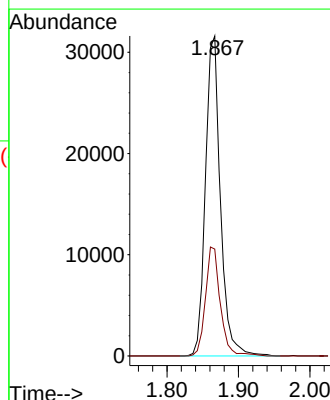
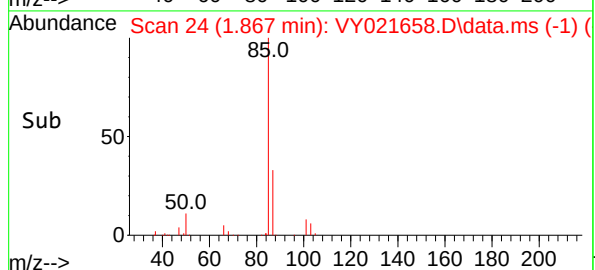
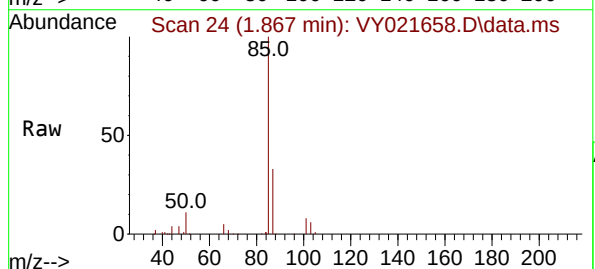
Manual Integrations
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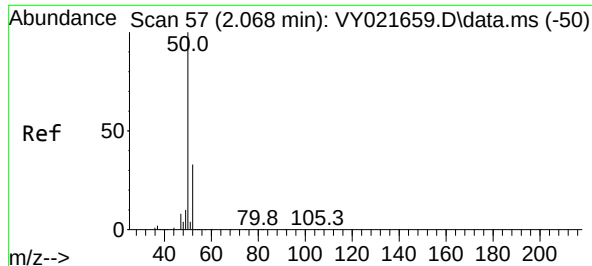
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121
Ion Ratio Lower Upper
85 100
87 33.4 16.2 48.6





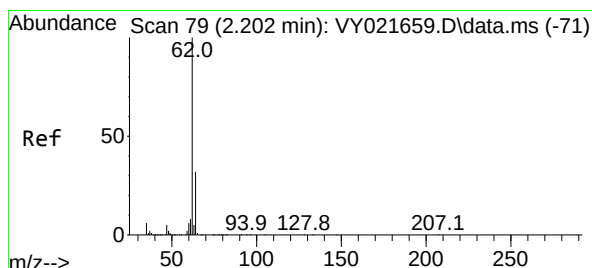
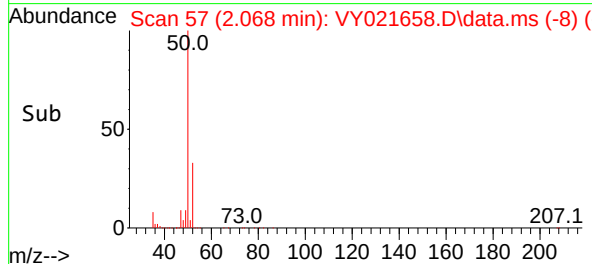
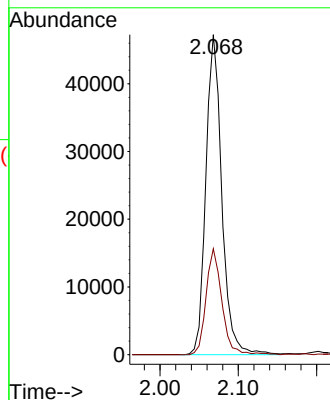
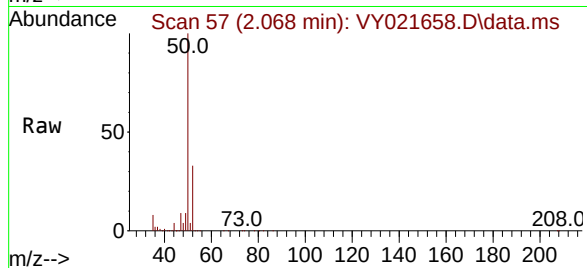
#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 66775
Ion Ratio Lower Upper
50 100
52 33.1 26.3 39.5

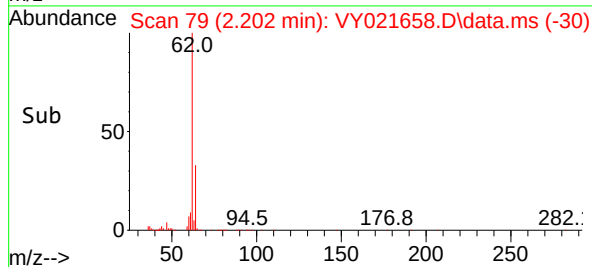
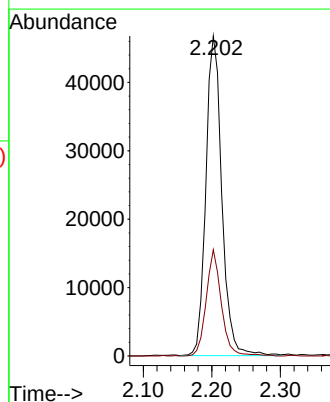
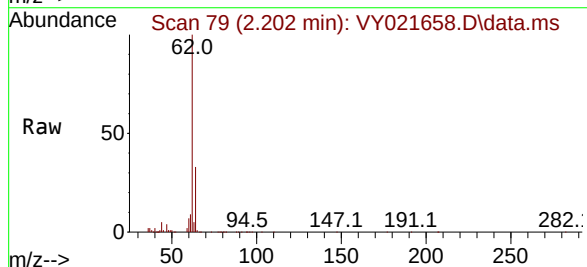
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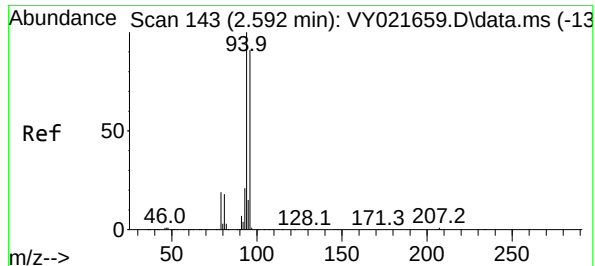
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

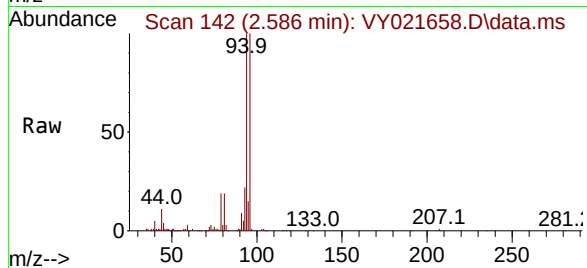
Tgt Ion: 62 Resp: 75860
Ion Ratio Lower Upper
62 100
64 33.2 25.5 38.3





#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

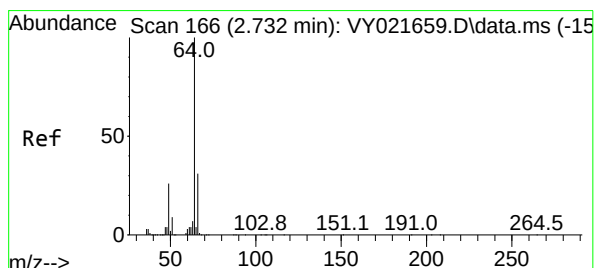
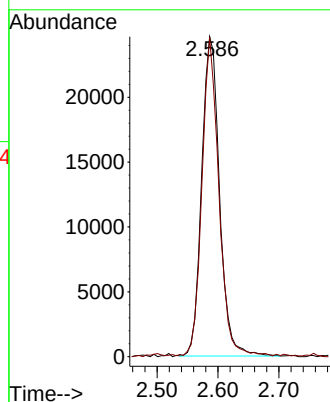
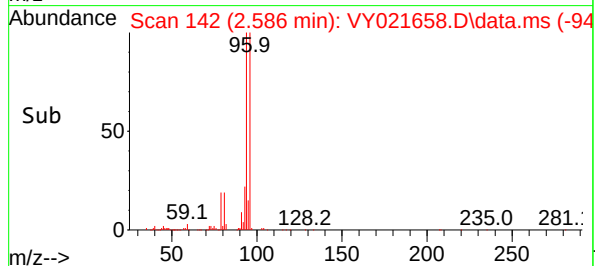
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



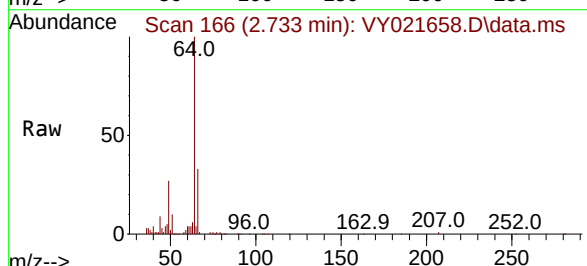
Tgt Ion: 94 Resp: 50238
Ion Ratio Lower Upper
94 100
96 99.7 72.8 109.2

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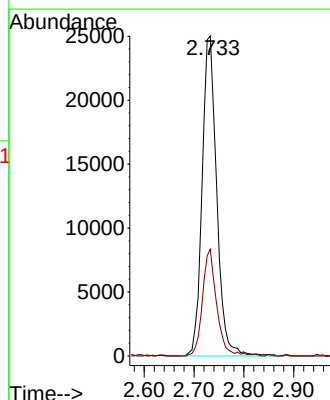
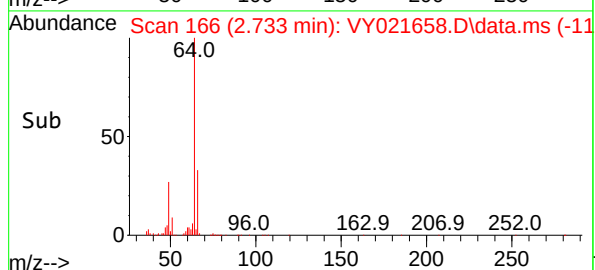
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

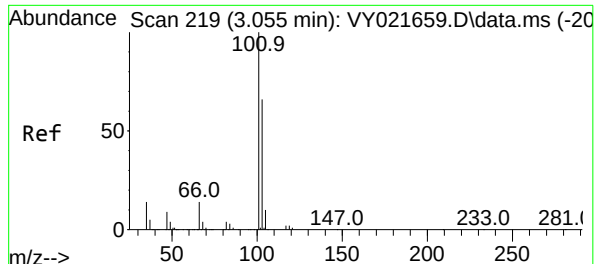


#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54



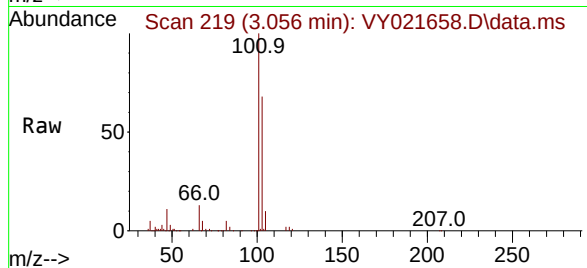
Tgt Ion: 64 Resp: 50953
Ion Ratio Lower Upper
64 100
66 33.4 24.9 37.3





#7
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

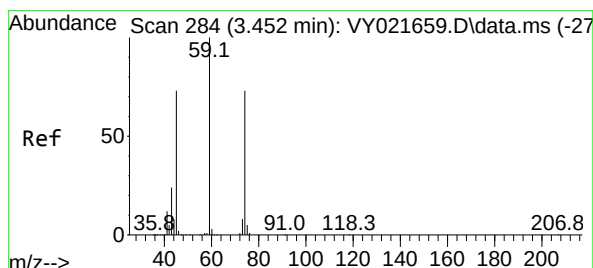
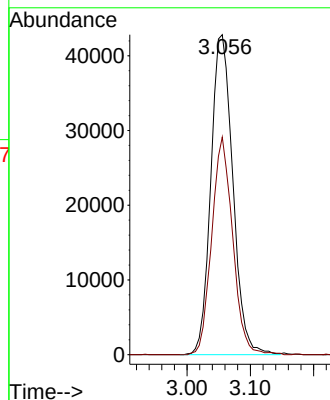
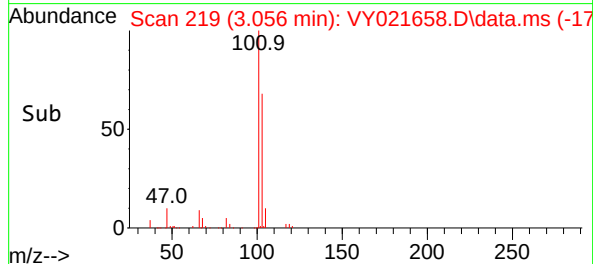
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:101 Resp: 103348
Ion Ratio Lower Upper
101 100
103 68.0 53.1 79.7

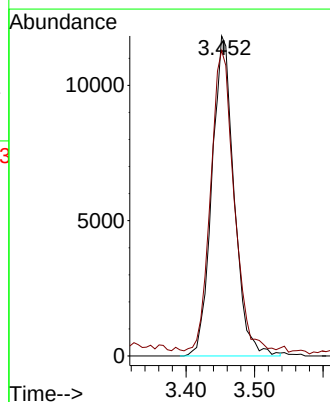
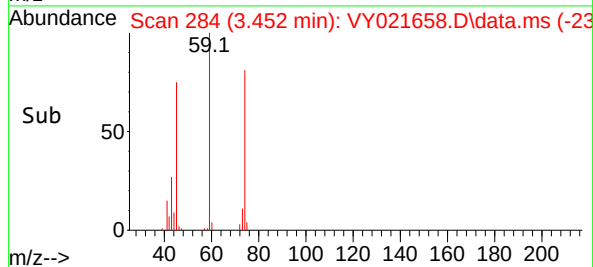
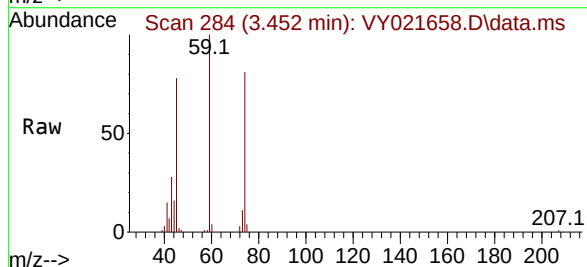
Manual Integrations
APPROVED

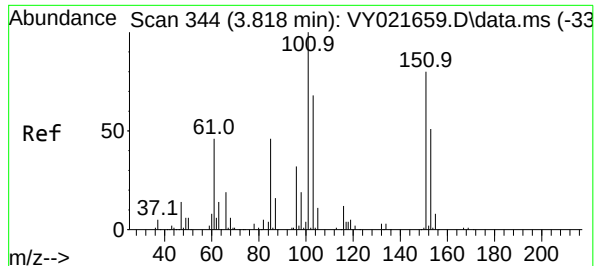
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 19.788 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 74 Resp: 26594
Ion Ratio Lower Upper
74 100
45 98.3 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.871 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

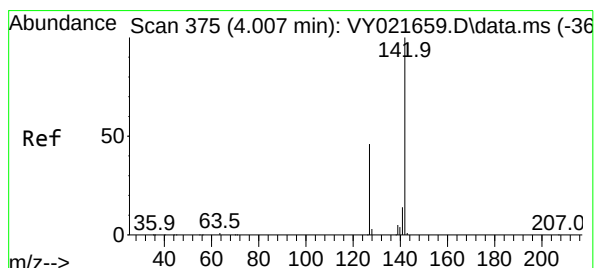
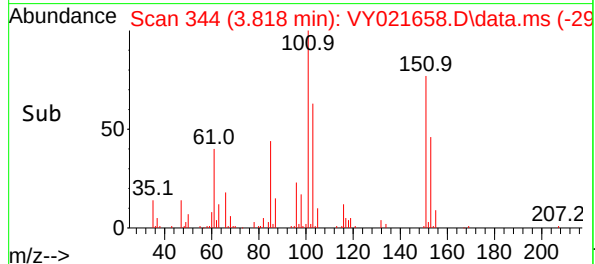
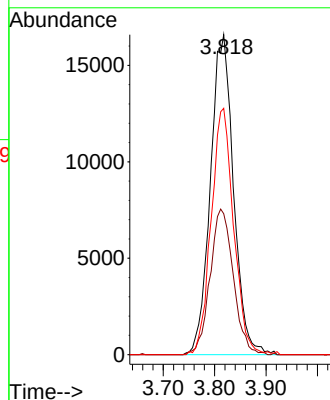
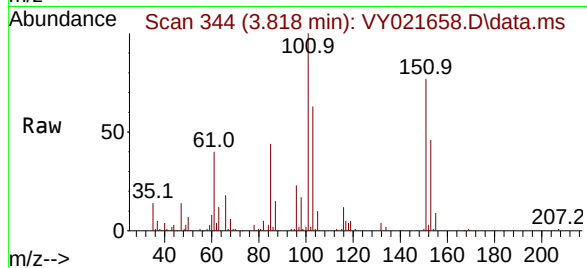
VSTDICC020

Tgt Ion:	101	Resp:	51794
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.3	54.5
151	75.2	61.3	91.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10

Methyl Iodide

Concen: 19.974 ug/l

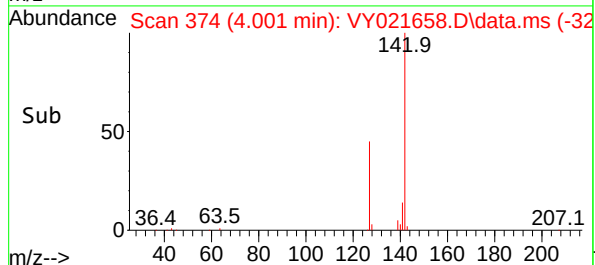
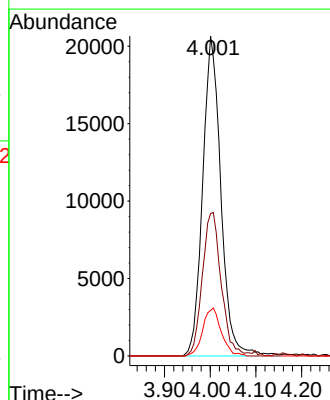
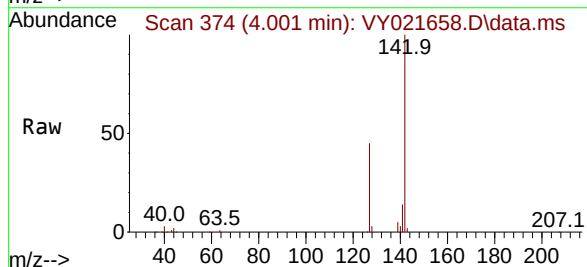
RT: 4.001 min Scan# 374

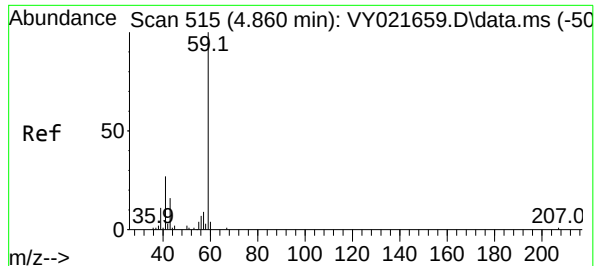
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	142	Resp:	57115
Ion	Ratio	Lower	Upper
142	100		
127	46.4	38.7	58.1
141	15.2	11.5	17.3





#11

Tert butyl alcohol

Concen: 97.834 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 1611

Ion Ratio Lower Upper

59 100

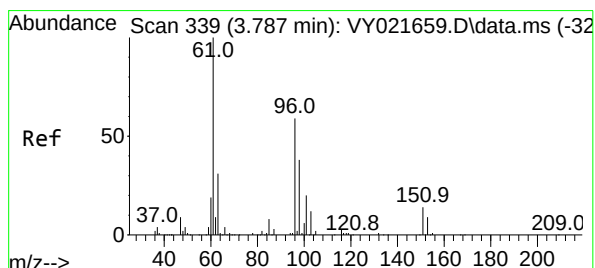
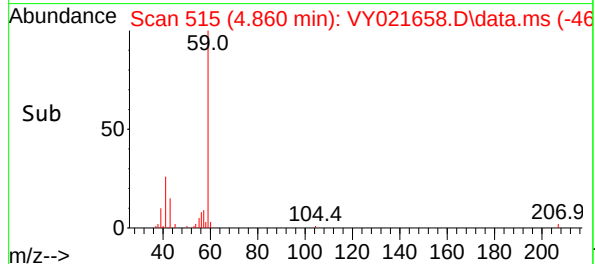
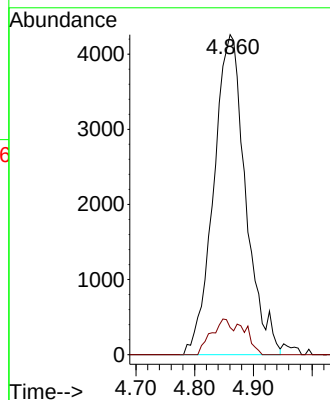
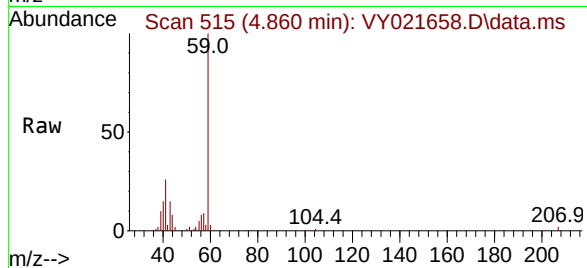
57 7.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 19.362 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

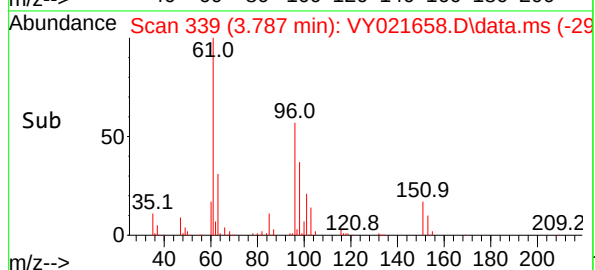
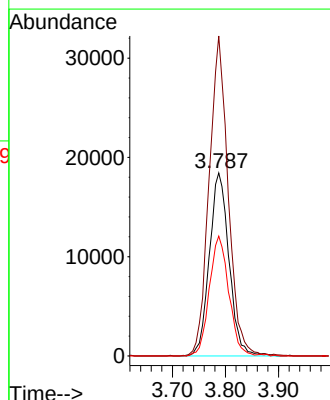
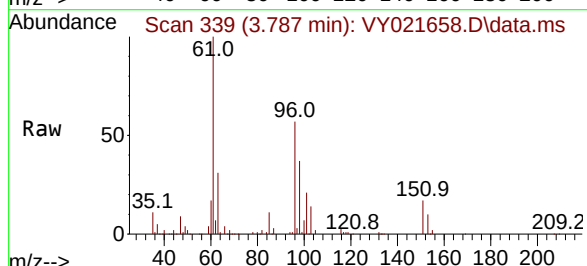
Tgt Ion: 96 Resp: 47534

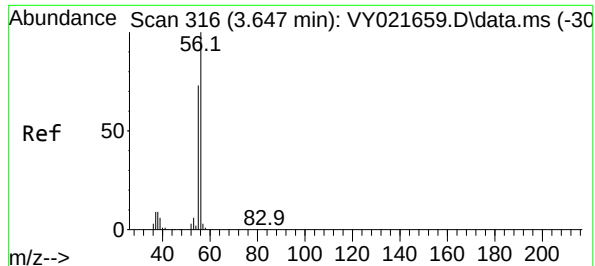
Ion Ratio Lower Upper

96 100

61 174.8 136.6 204.8

98 65.5 52.3 78.5





#13

Acrolein

Concen: 99.170 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 2982

Ion Ratio Lower Upper

56 100

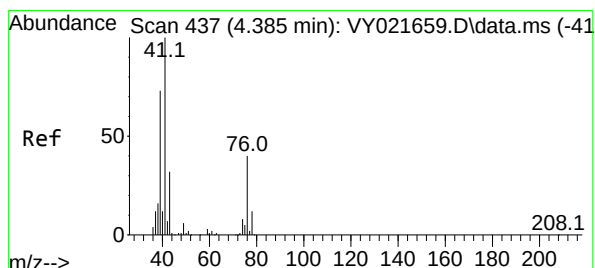
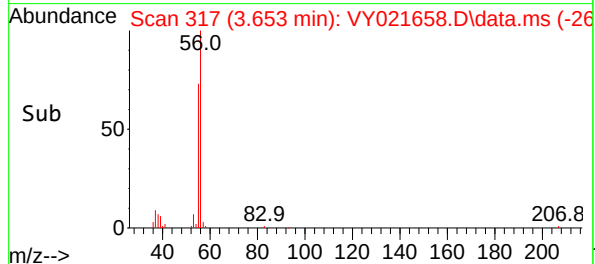
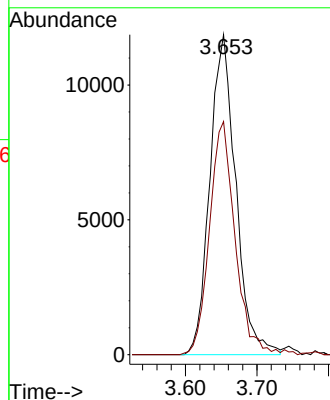
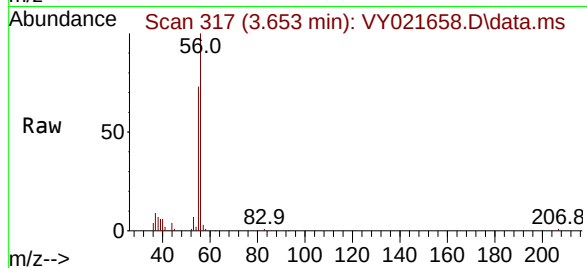
55 71.8 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

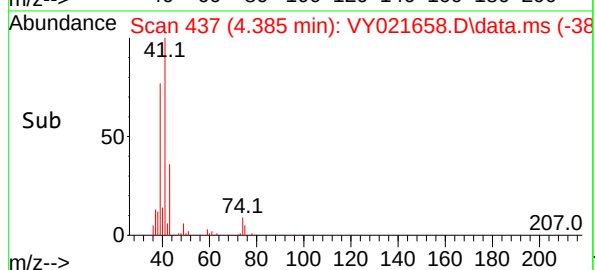
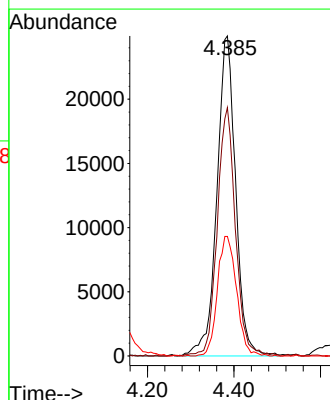
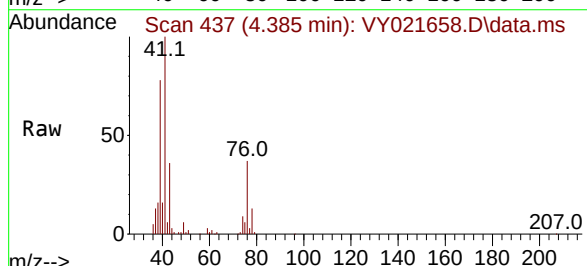
Tgt Ion: 41 Resp: 75169

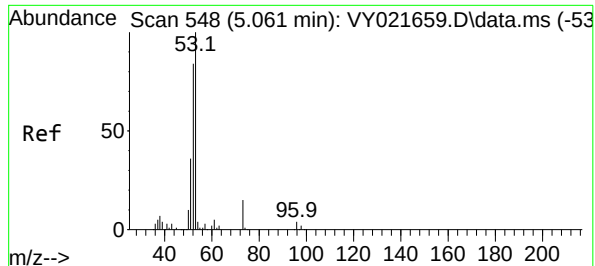
Ion Ratio Lower Upper

41 100

39 75.3 58.6 88.0

76 38.1 30.3 45.5





#15

Acrylonitrile

Concen: 97.084 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

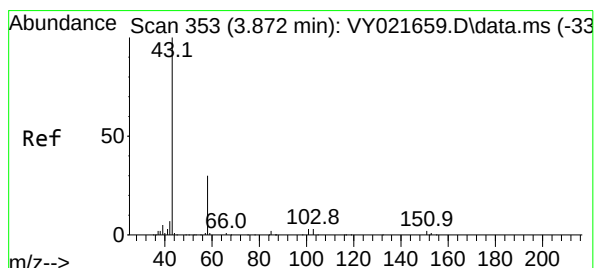
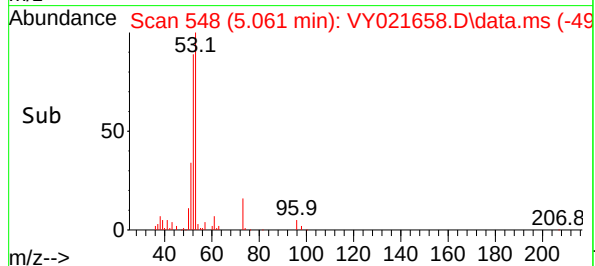
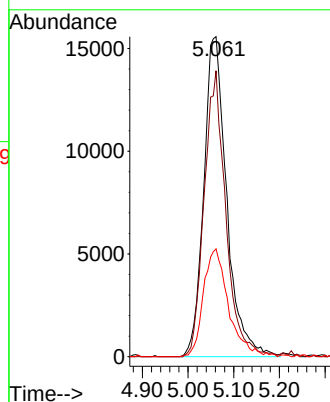
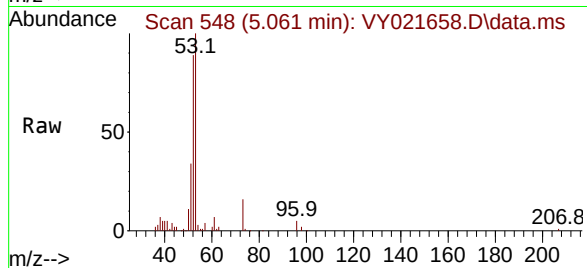
ClientSampleId :

VSTDICC020

Tgt Ion:	53	Resp:	54478
Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.9	97.3
51	36.5	30.2	45.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 92.073 ug/l

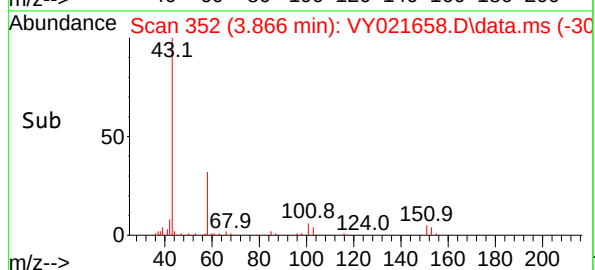
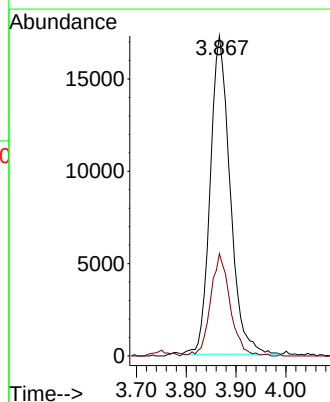
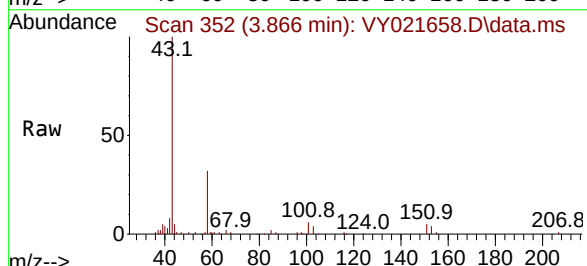
RT: 3.866 min Scan# 352

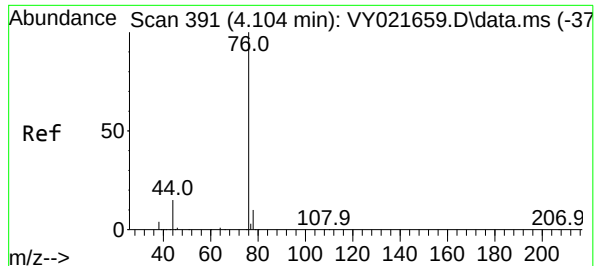
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

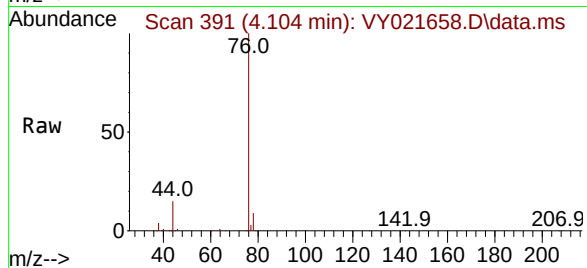
Tgt Ion:	43	Resp:	47787
Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

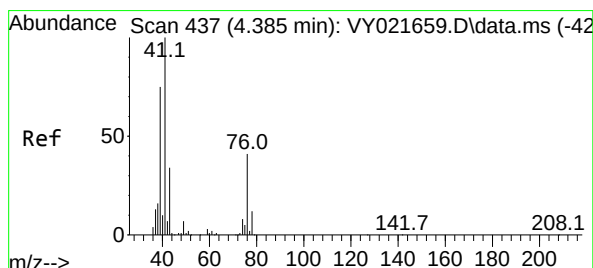
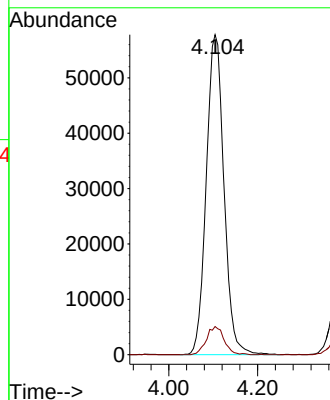
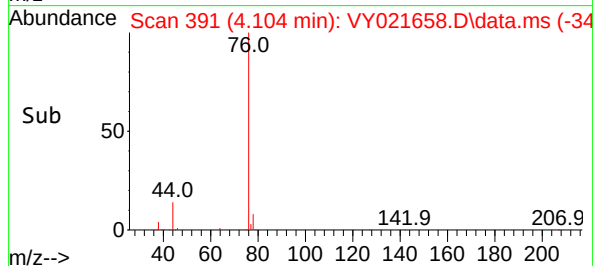
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 159960
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

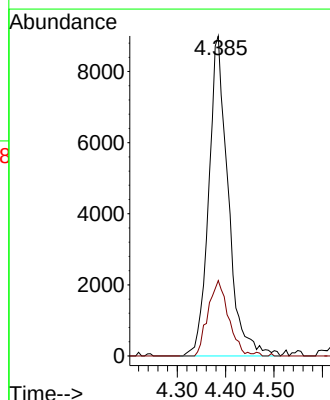
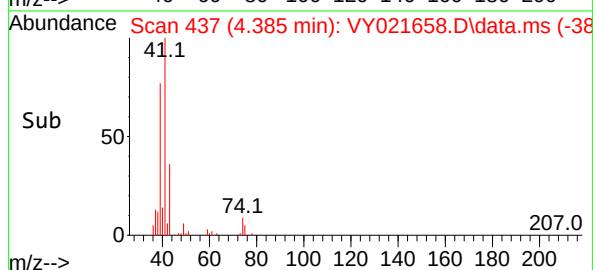
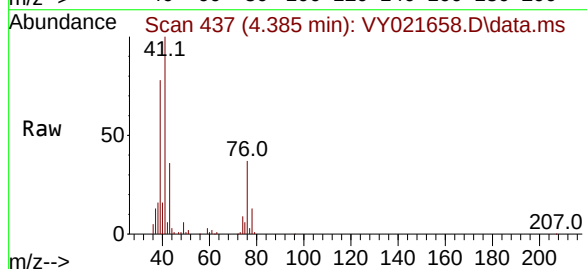
Manual Integrations
APPROVED

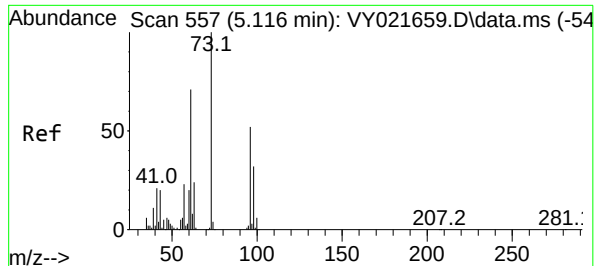
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 19.099 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 116730

Ion Ratio Lower Upper

73 100

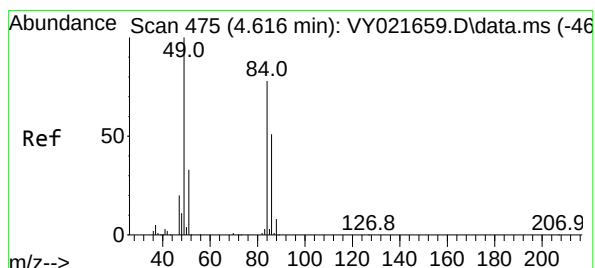
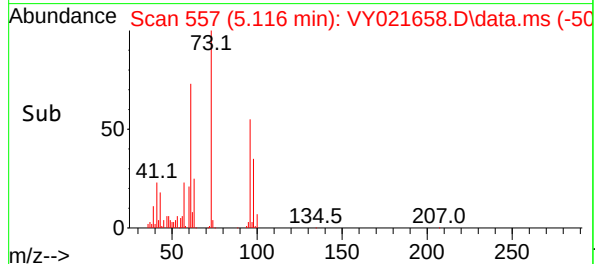
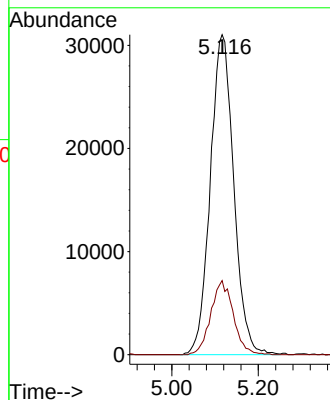
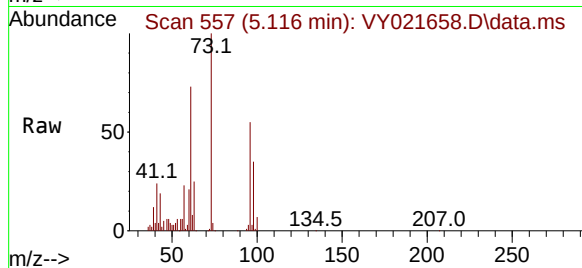
57 23.1 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 19.525 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574

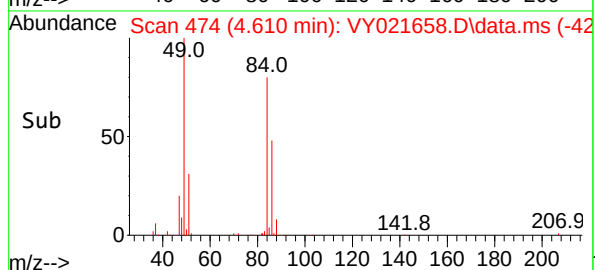
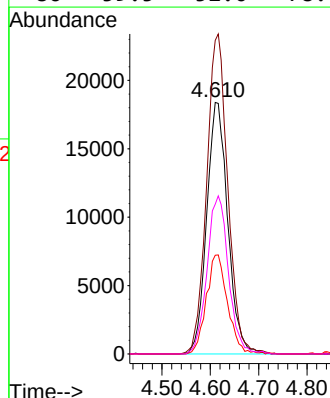
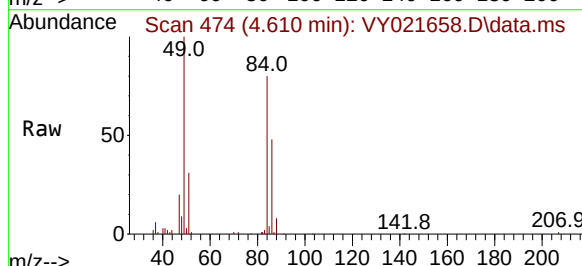
Ion Ratio Lower Upper

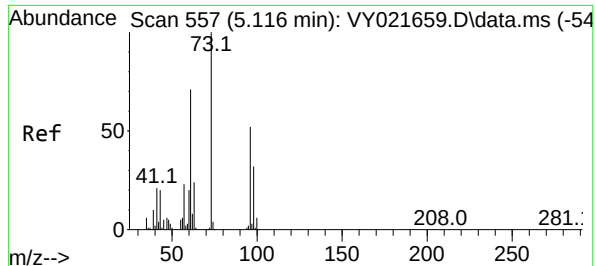
84 100

49 124.6 102.8 154.2

51 39.2 33.5 50.3

86 59.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.677 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 5318

Ion Ratio Lower Upper

96 100

61 129.9 109.4 164.0

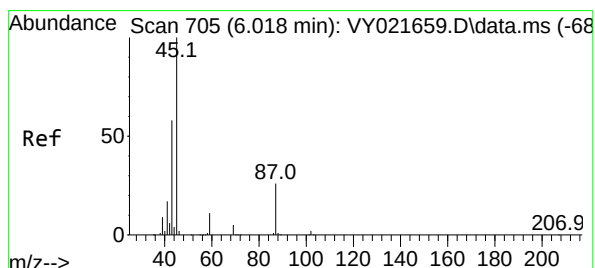
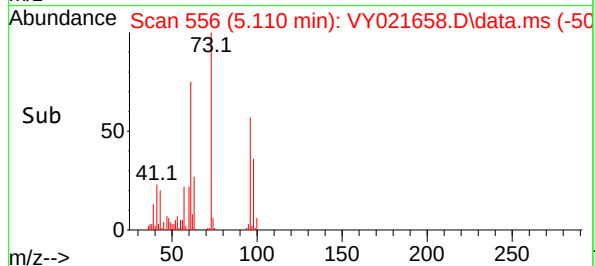
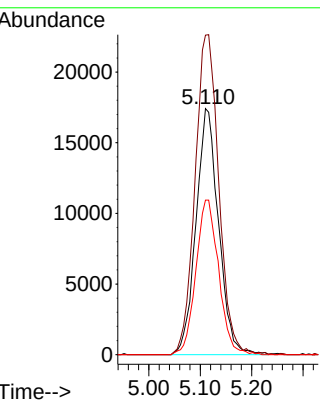
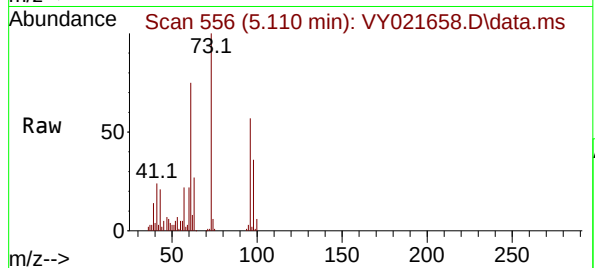
98 62.8 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 19.747 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151

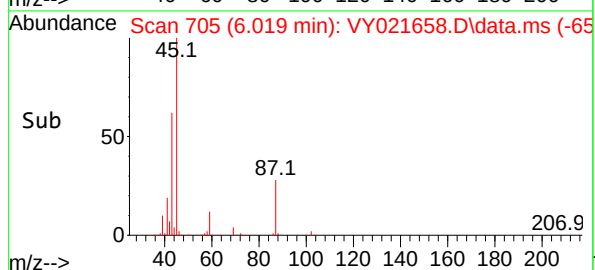
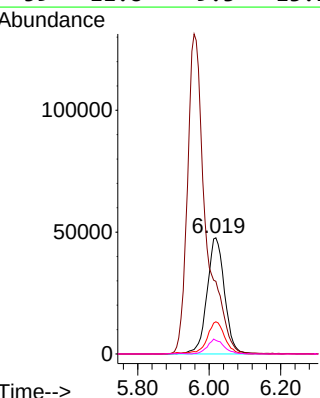
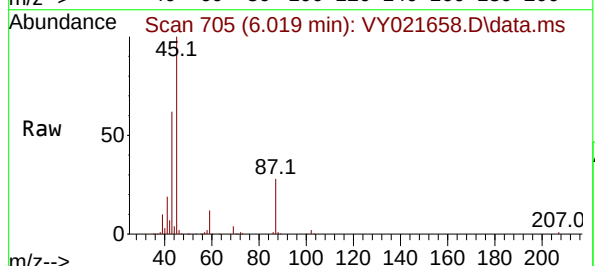
Ion Ratio Lower Upper

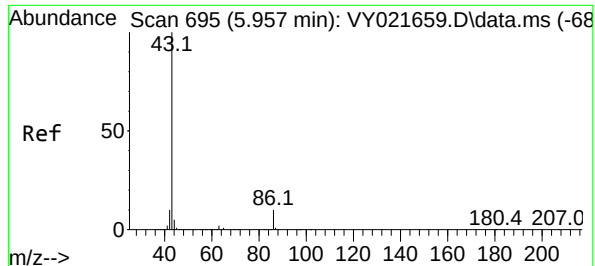
45 100

43 62.4 46.6 69.8

87 27.7 20.7 31.1

59 11.8 9.3 13.9





#23

Vinyl Acetate

Concen: 97.433 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 46803

Ion Ratio Lower Upper

43 100

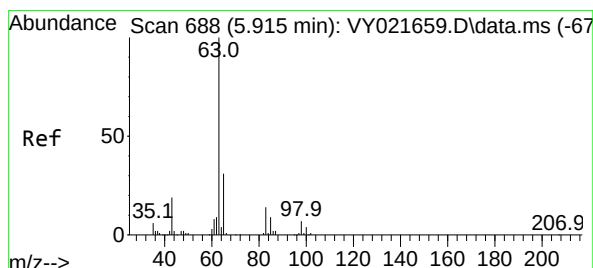
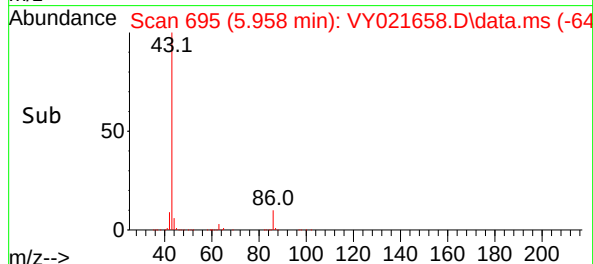
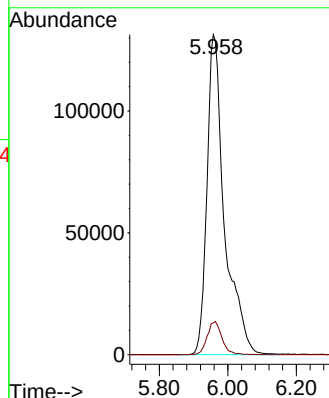
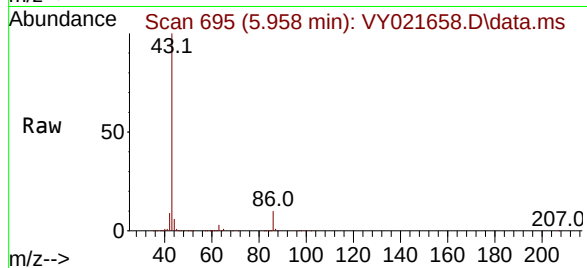
86 9.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 19.520 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

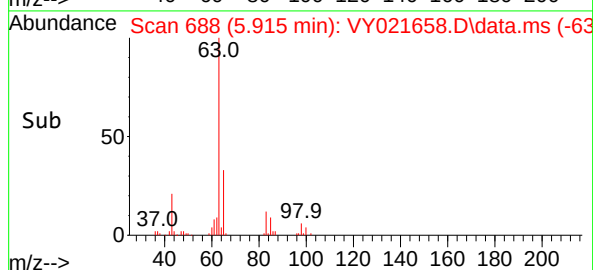
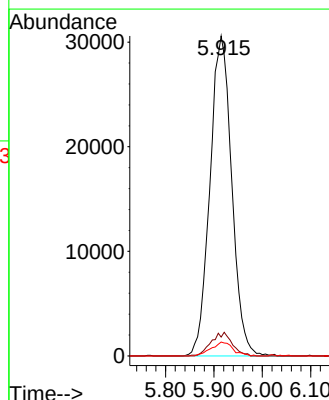
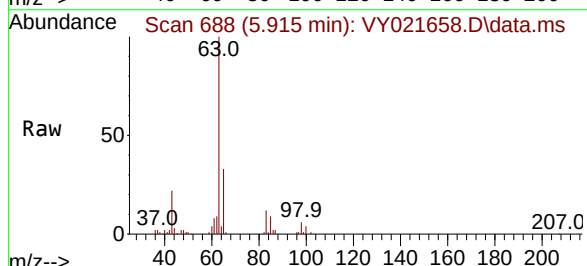
Tgt Ion: 63 Resp: 95841

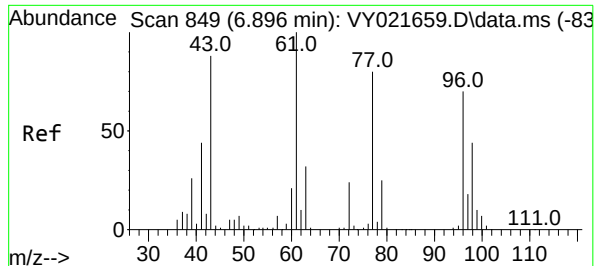
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 94.233 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 69850

Ion Ratio Lower Upper

43 100

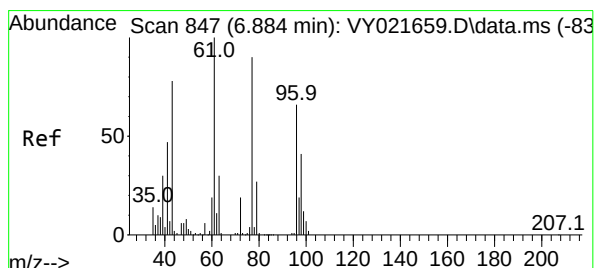
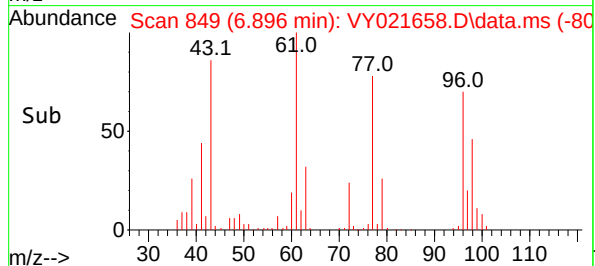
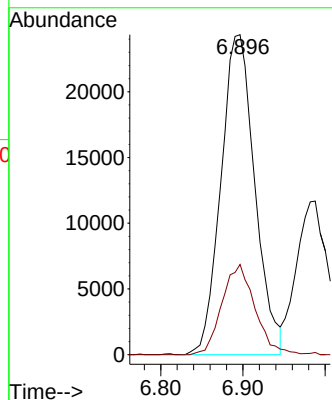
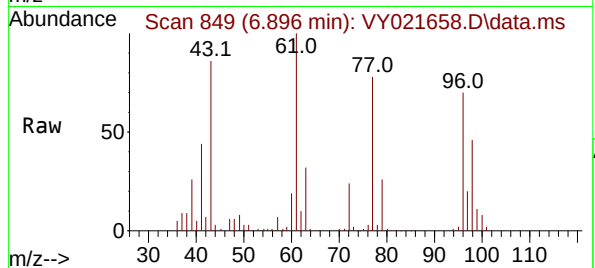
72 28.2 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 19.217 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021658.D

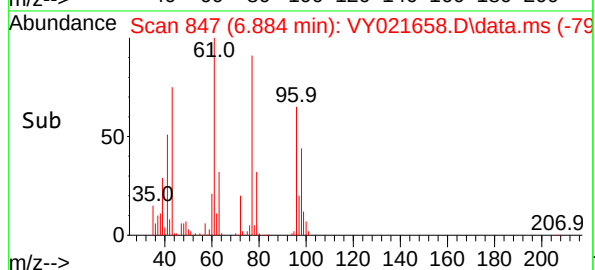
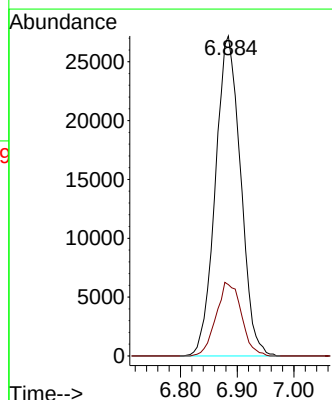
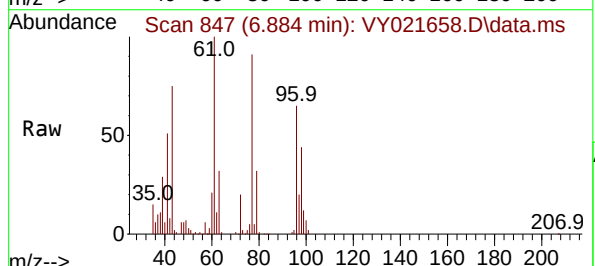
Acq: 27 Mar 2025 10:54

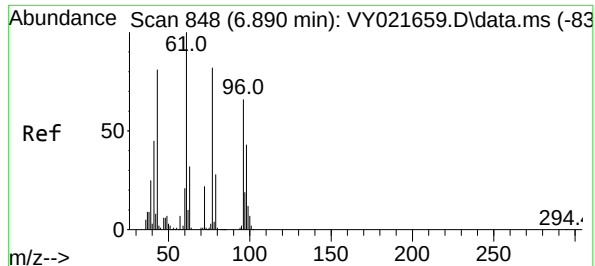
Tgt Ion: 77 Resp: 83932

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.266 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 5856

Ion Ratio Lower Upper

96 100

61 149.2 0.0 296.4

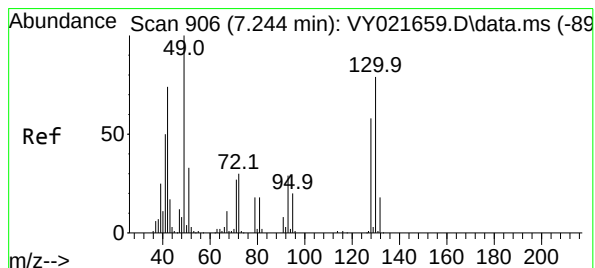
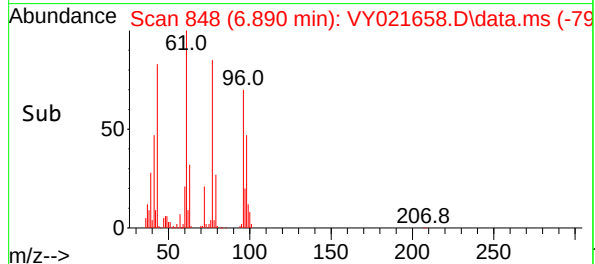
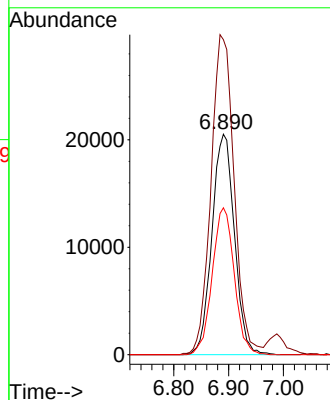
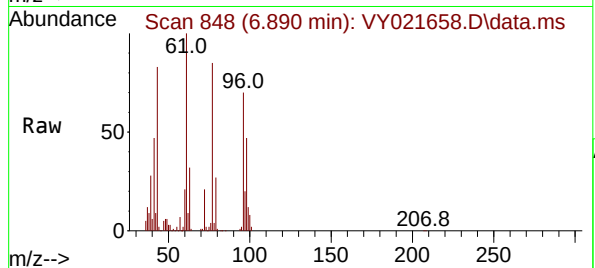
98 65.3 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 19.149 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

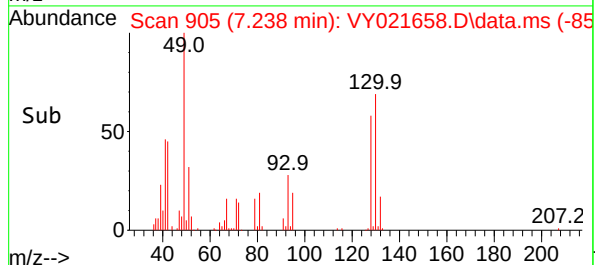
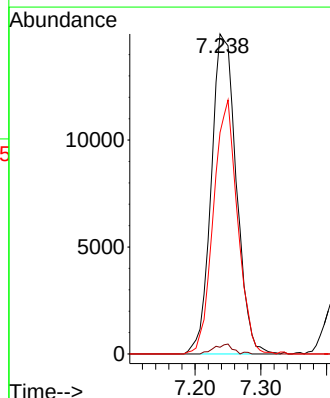
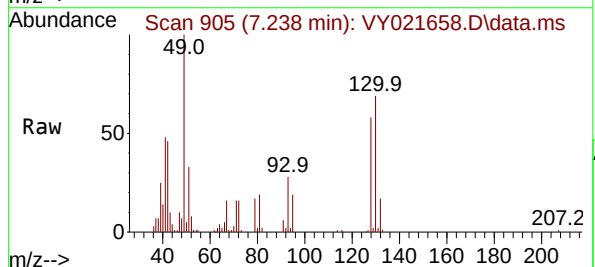
Tgt Ion: 49 Resp: 39653

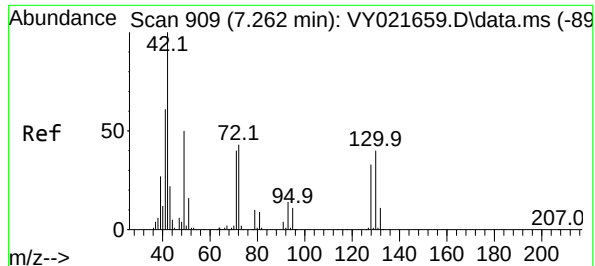
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 94.626 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

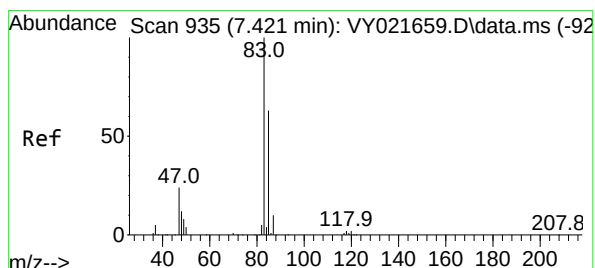
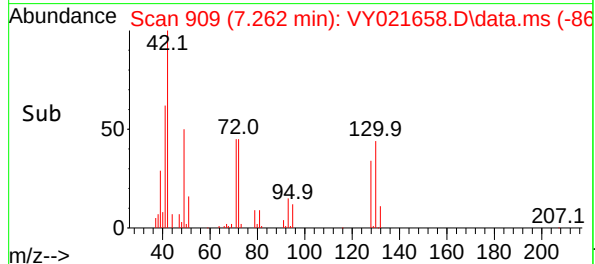
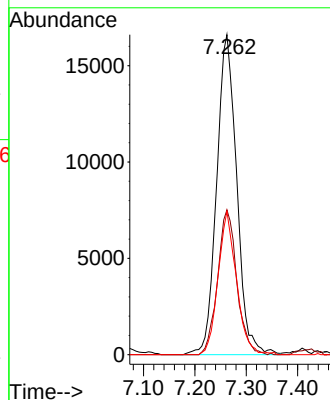
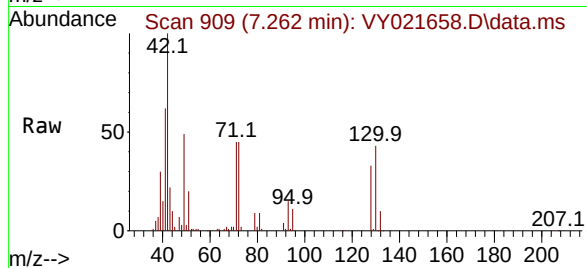
ClientSampleId :

VSTDICC020

Tgt Ion:	42	Resp:	4514
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.0	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 19.462 ug/l

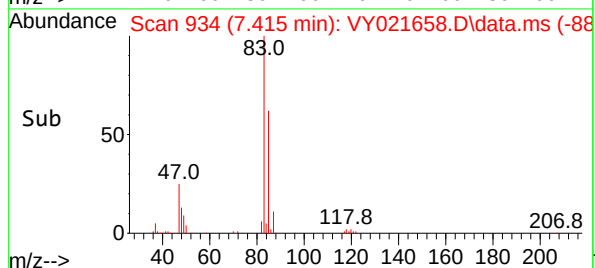
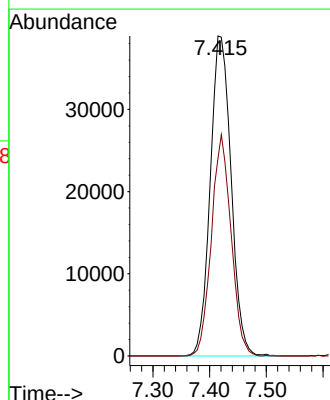
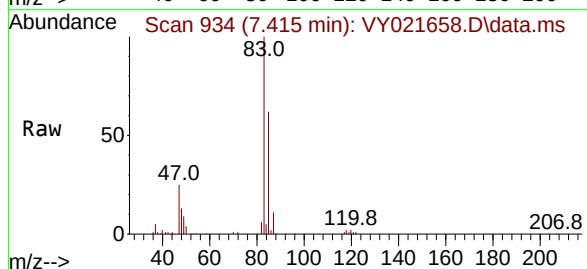
RT: 7.415 min Scan# 934

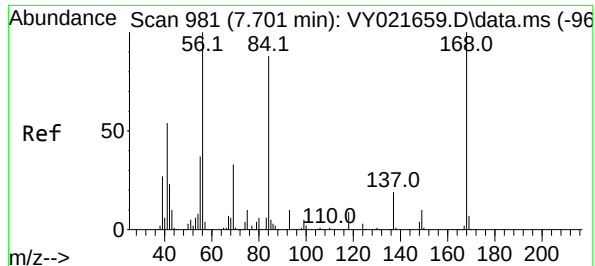
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	83	Resp:	99390
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8





#31

Cyclohexane

Concen: 19.075 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 8537

Ion Ratio Lower Upper

56 100

69 39.3 26.6 40.0

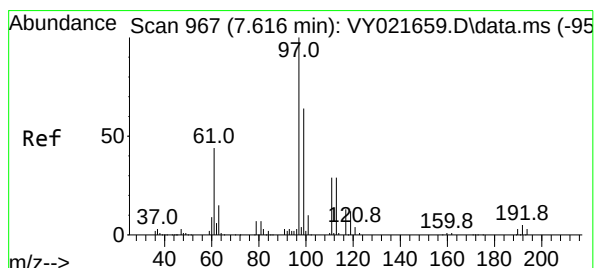
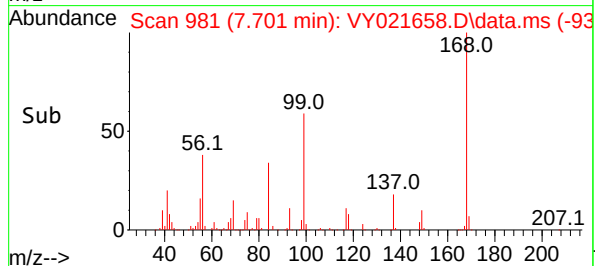
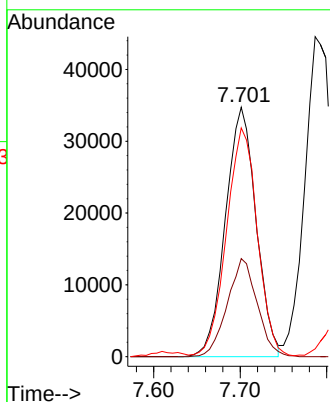
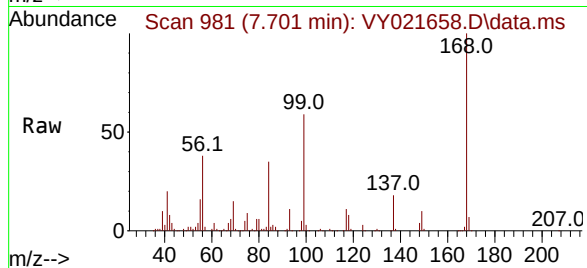
84 90.0 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 19.459 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

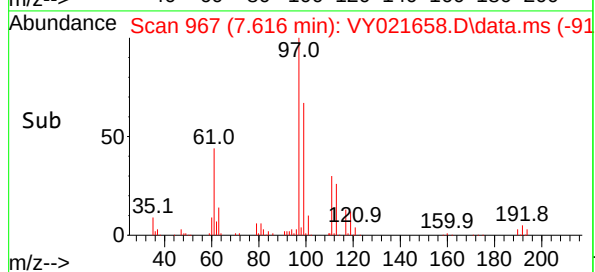
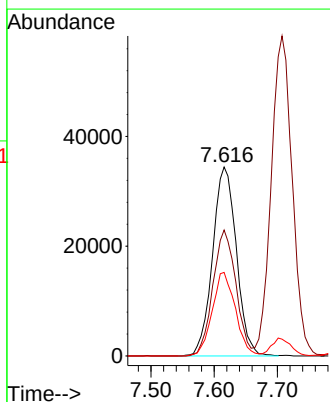
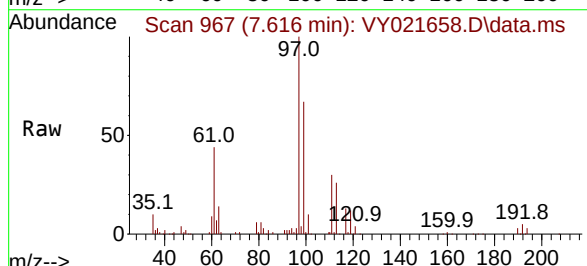
Tgt Ion: 97 Resp: 89818

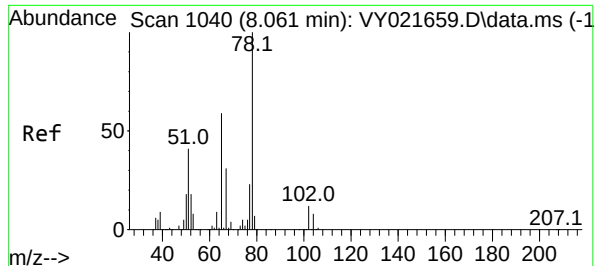
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 18.542 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 4702

Ion Ratio Lower Upper

65 100

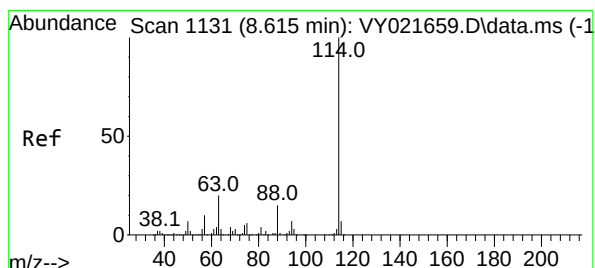
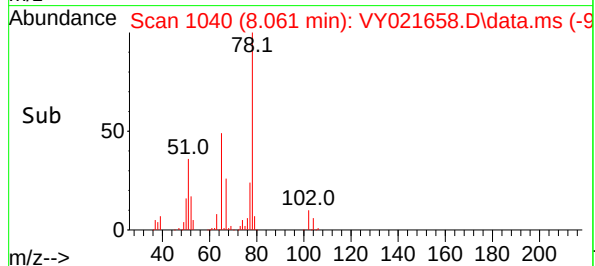
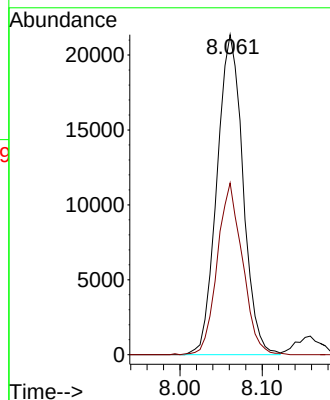
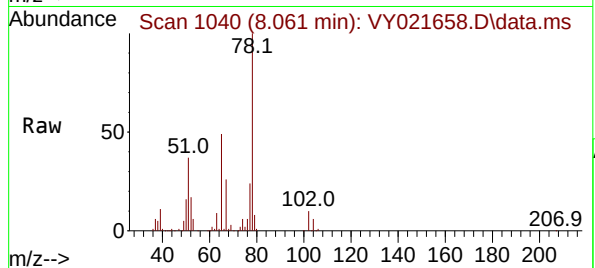
67 51.9 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

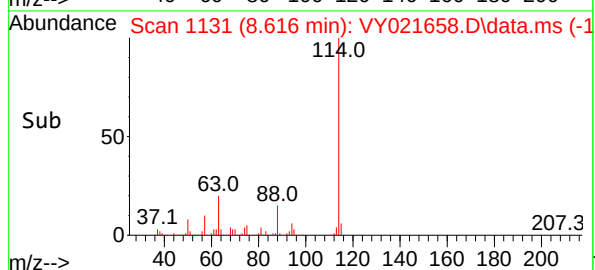
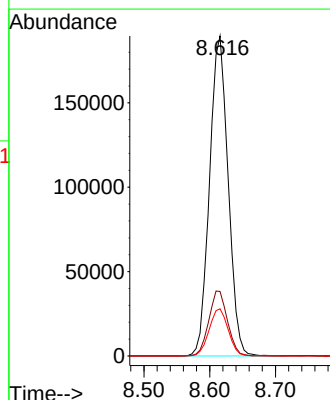
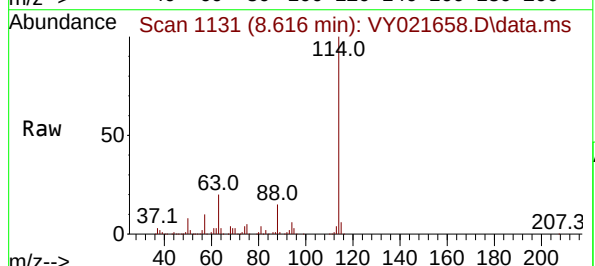
Tgt Ion:114 Resp: 372865

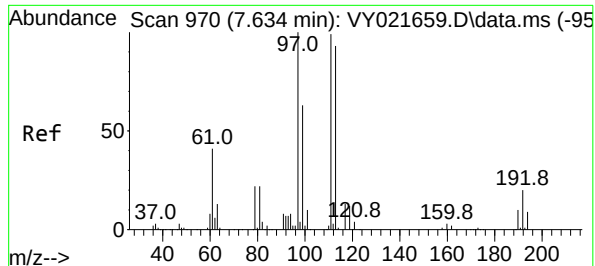
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 17.910 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:113 Resp: 43318

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

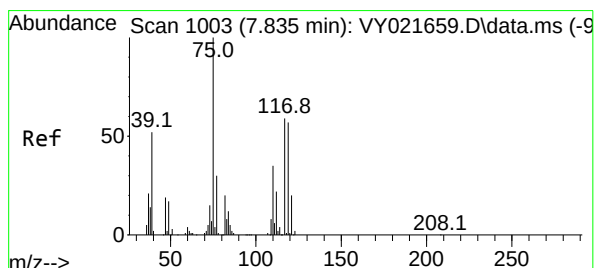
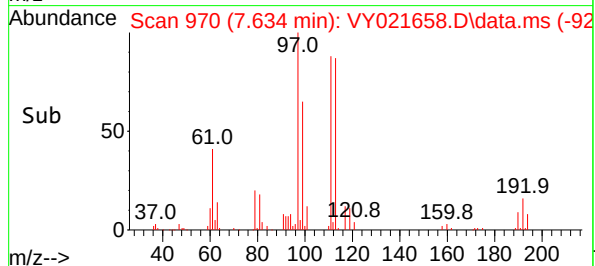
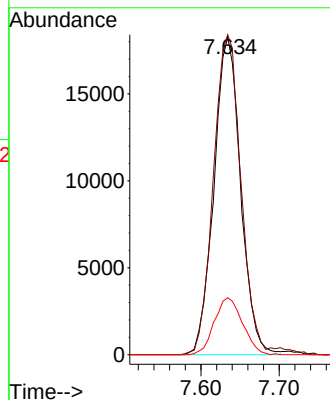
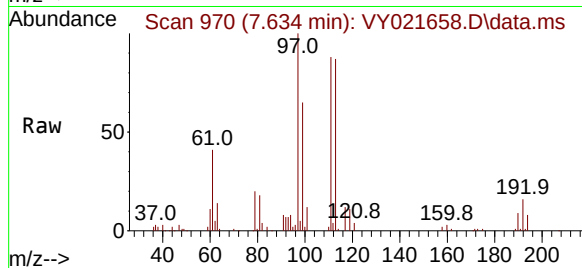
192 19.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 19.697 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

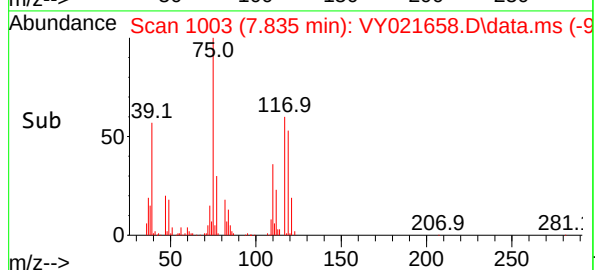
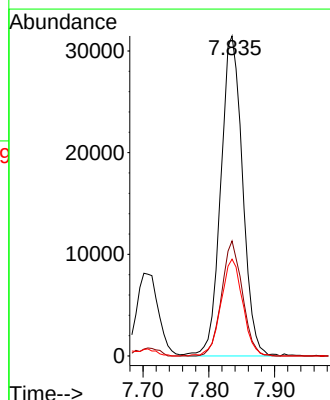
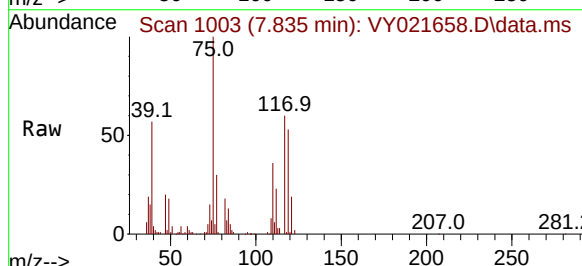
Tgt Ion: 75 Resp: 72566

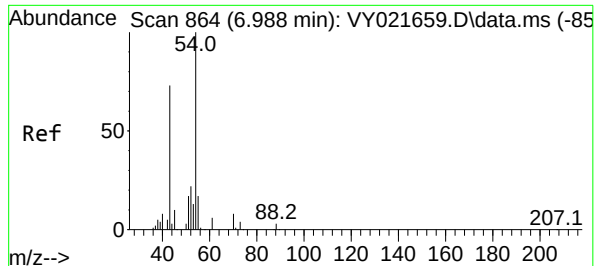
Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

77 30.3 24.8 37.2





#37

Ethyl Acetate

Concen: 18.585 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

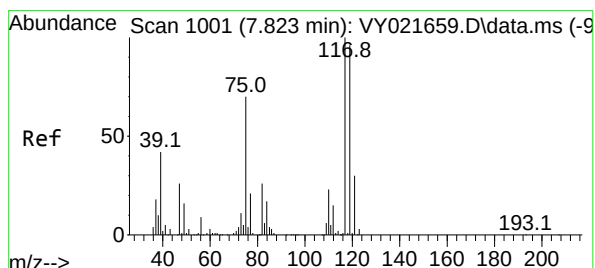
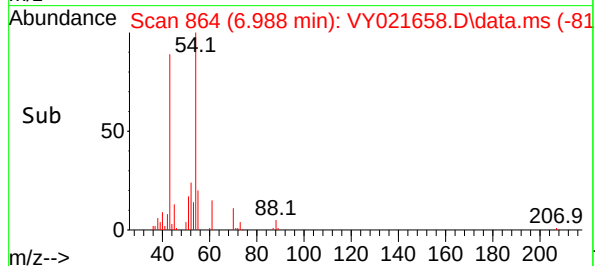
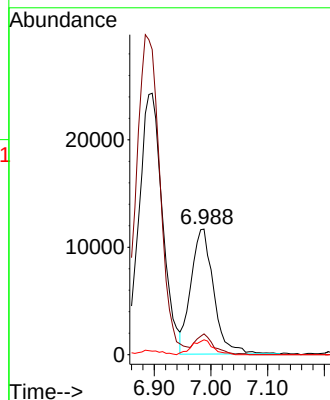
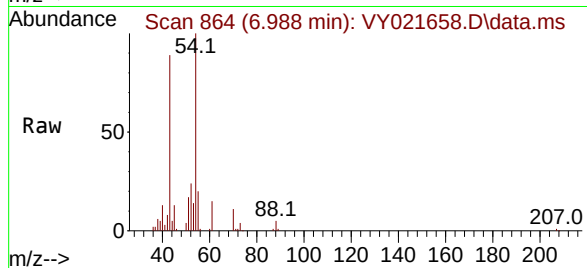
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	3231
Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.0	16.6
70	10.9	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 19.308 ug/l

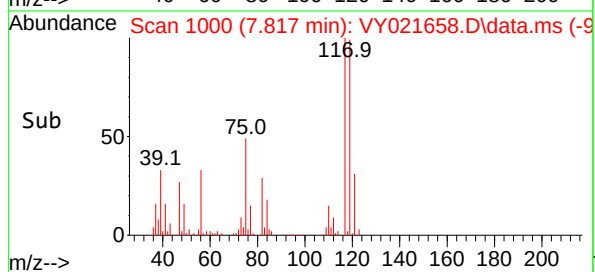
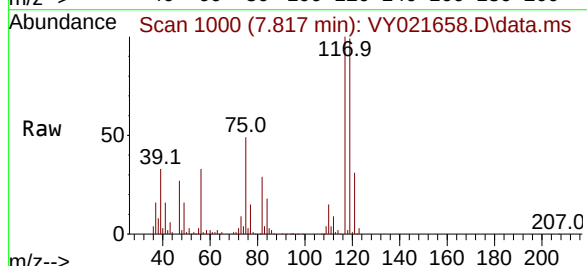
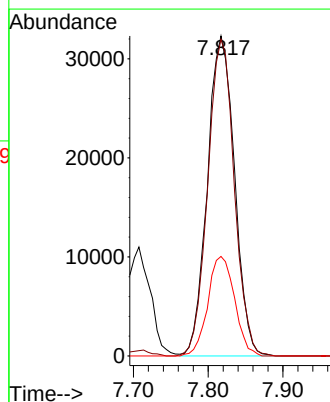
RT: 7.817 min Scan# 1000

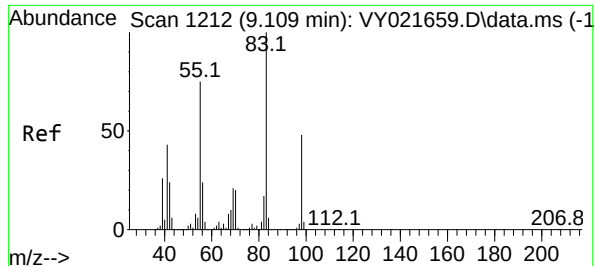
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	117	Resp:	81472
Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.2	114.4
121	31.1	24.2	36.4





#39

Methylcyclohexane

Concen: 19.269 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

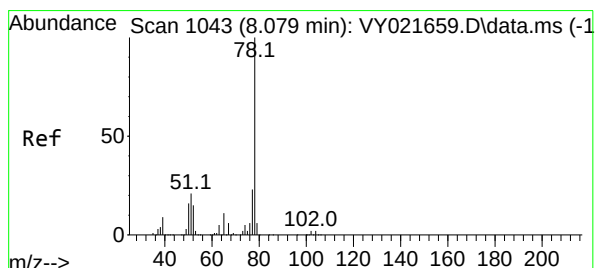
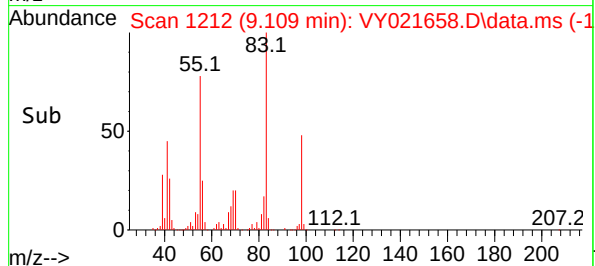
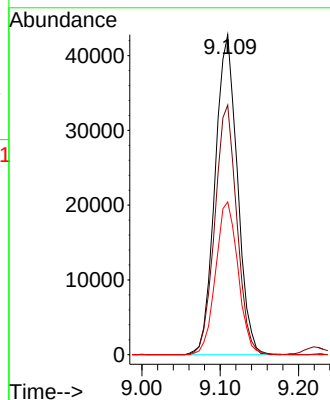
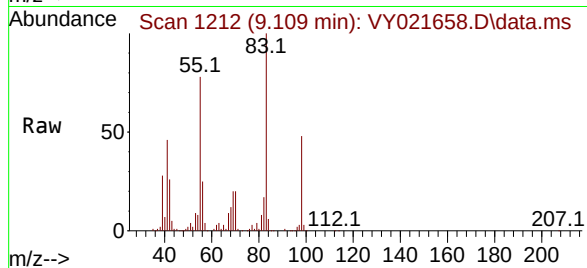
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	8480
Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.7	89.5
98	47.8	38.3	57.5

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 19.313 ug/l

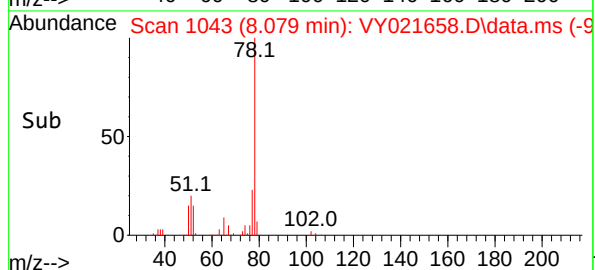
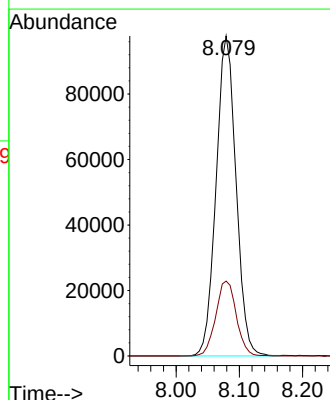
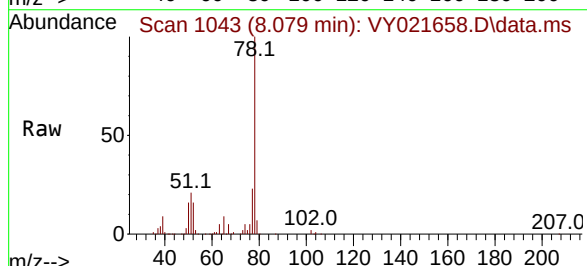
RT: 8.079 min Scan# 1043

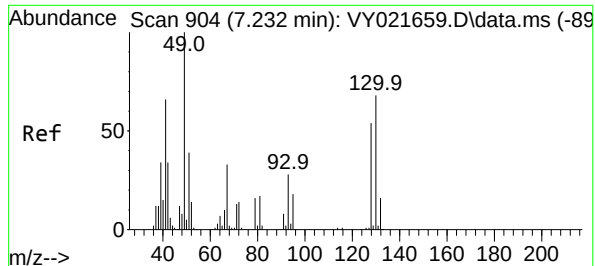
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

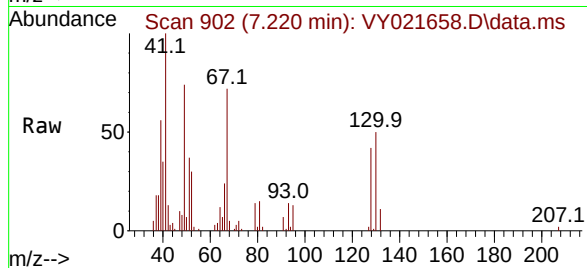
Tgt Ion:	78	Resp:	213074
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41
Methacrylonitrile
Concen: 17.853 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

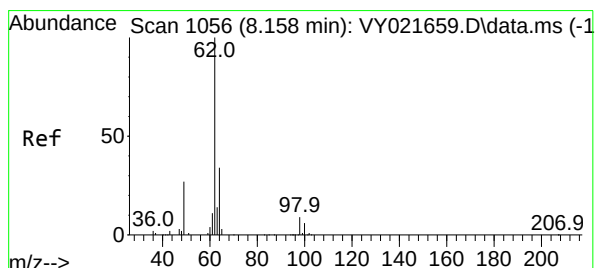
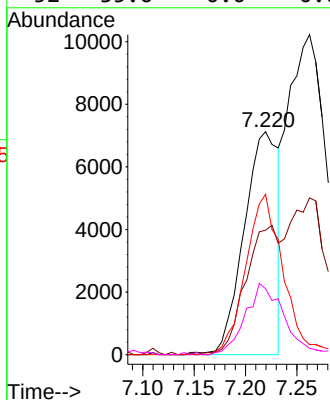
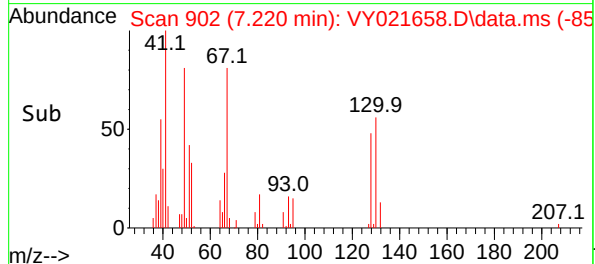
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 1648
Ion Ratio Lower Upper
41 100
39 55.7 0.0 0.0
67 78.7 0.0 0.0
52 35.6 0.0 0.0

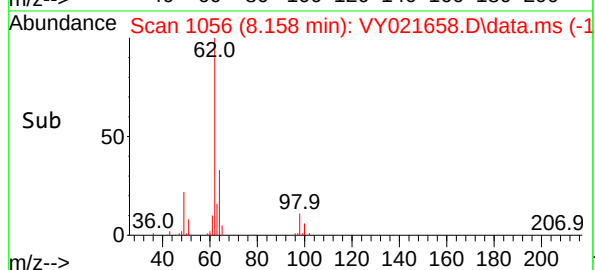
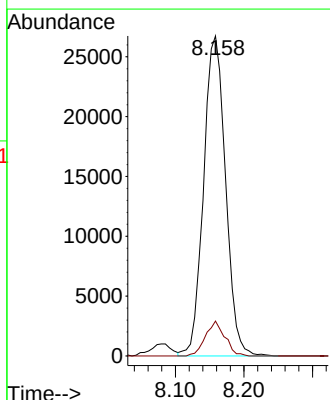
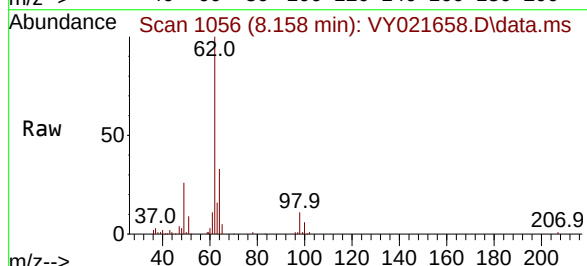
Manual Integrations
APPROVED

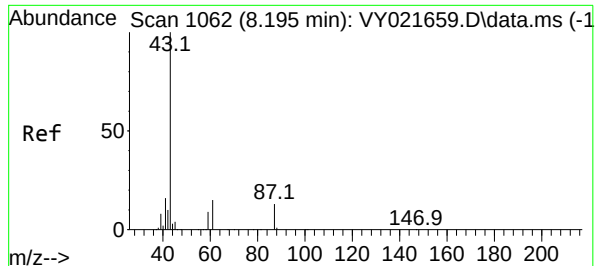
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 59552
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.451 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

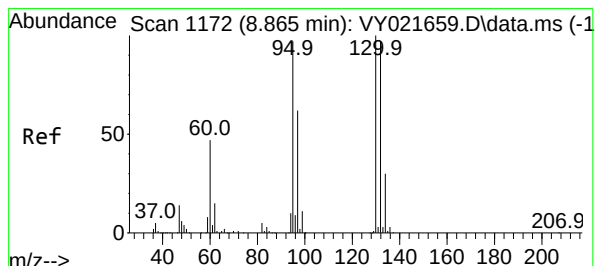
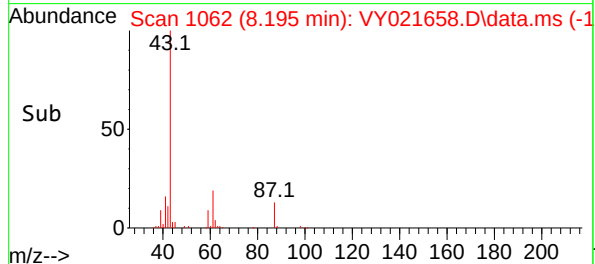
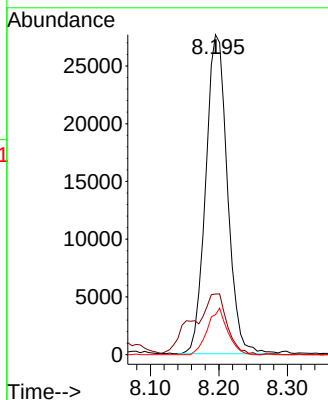
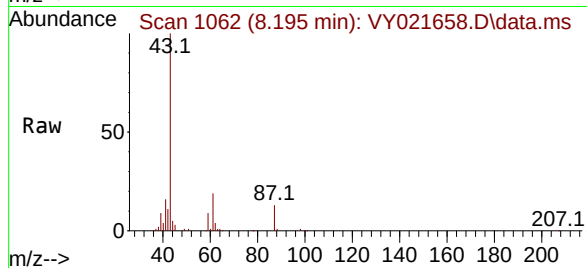
VSTDICC020

Tgt Ion:	43	Resp:	6079
Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.9	23.9
87	13.4	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 19.215 ug/l

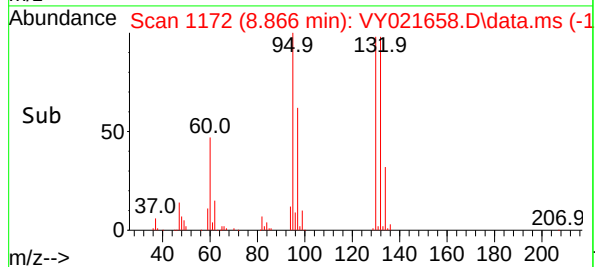
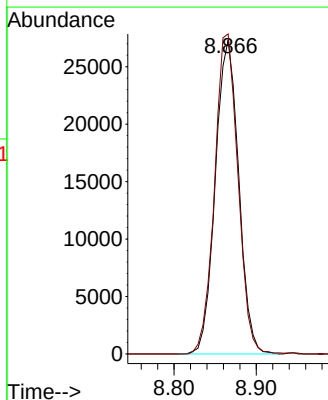
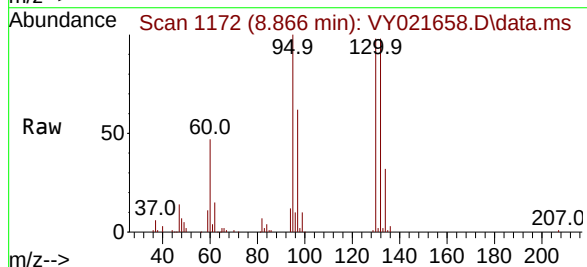
RT: 8.866 min Scan# 1172

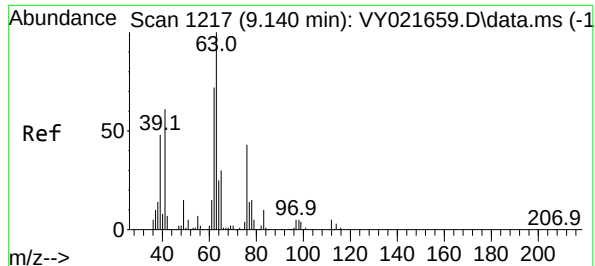
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	130	Resp:	54015
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	194.8





#45

1,2-Dichloropropane

Concen: 19.088 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 49850

Ion Ratio Lower Upper

63 100

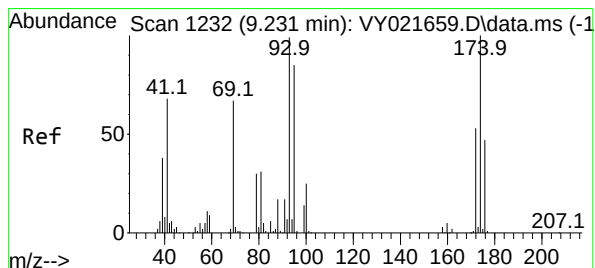
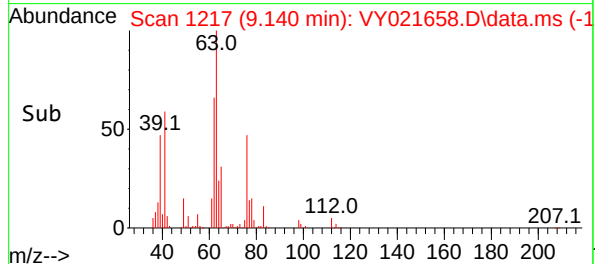
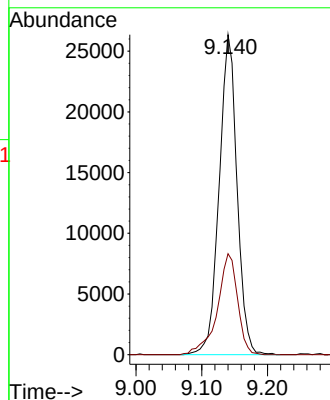
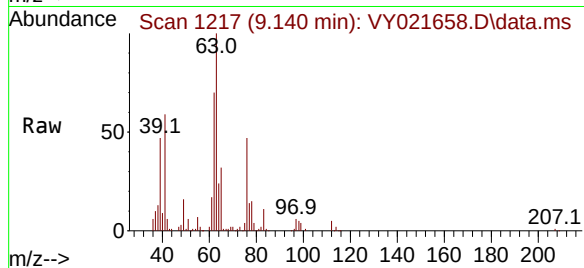
65 31.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 19.067 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

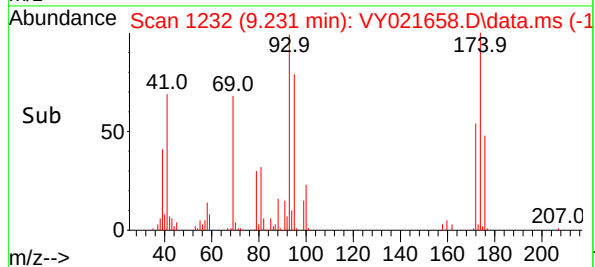
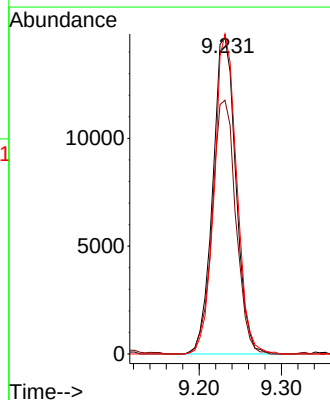
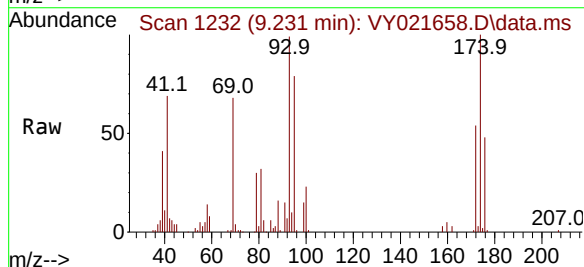
Tgt Ion: 93 Resp: 28698

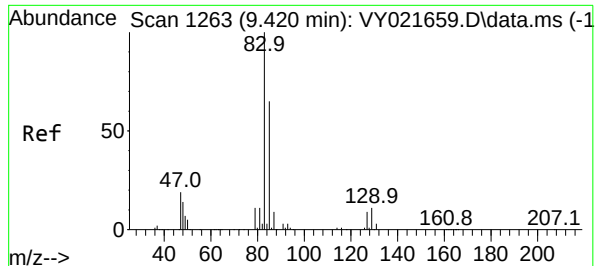
Ion Ratio Lower Upper

93 100

95 81.9 68.1 102.1

174 97.9 80.9 121.3





#47

Bromodichloromethane

Concen: 19.262 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

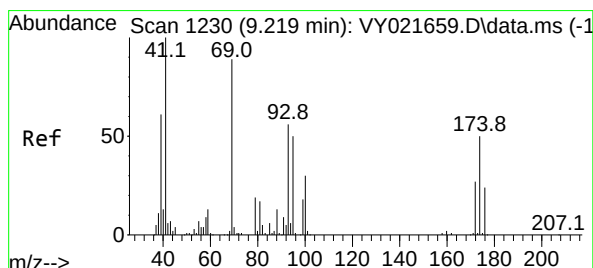
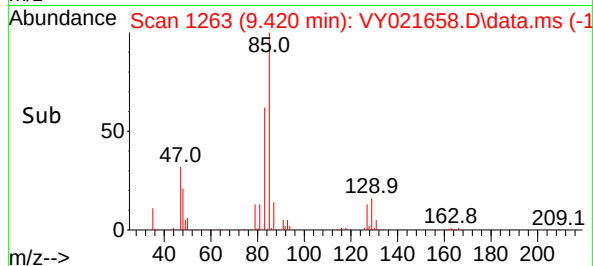
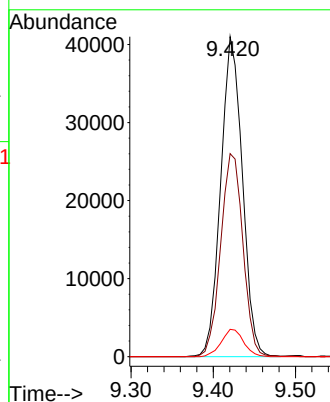
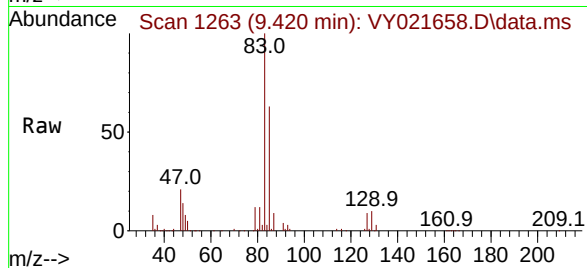
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	7512
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.5	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 17.695 ug/l

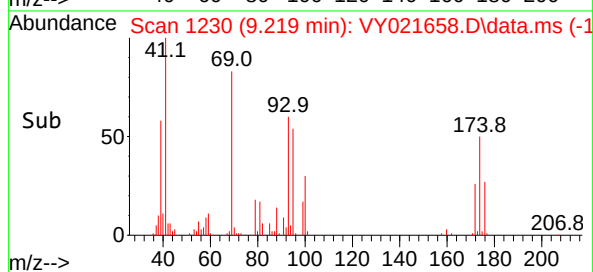
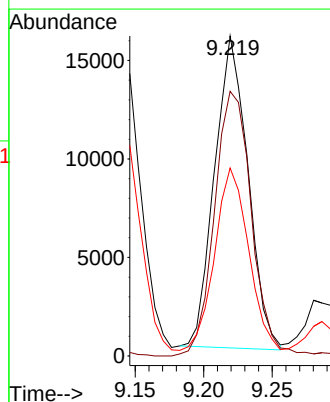
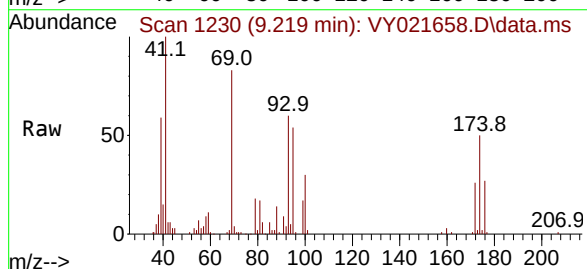
RT: 9.219 min Scan# 1230

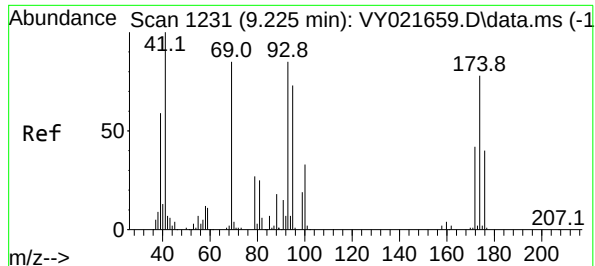
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	41	Resp:	26759
Ion	Ratio	Lower	Upper
41	100		
69	95.3	69.8	104.8
39	60.0	47.2	70.8





#49

1,4-Dioxane

Concen: 388.254 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 6260

Ion Ratio Lower Upper

88 100

43 36.8 28.8 43.2

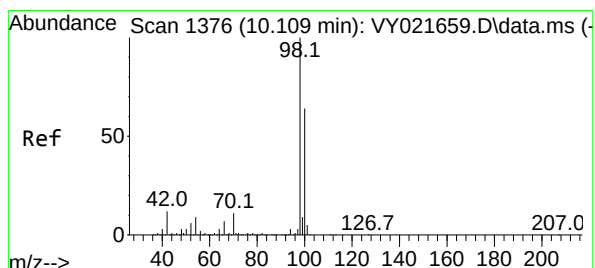
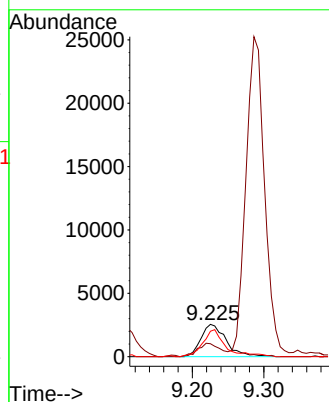
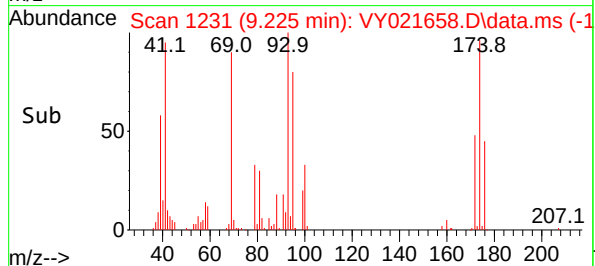
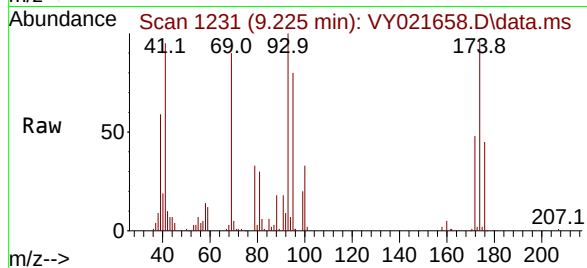
58 75.8 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 18.262 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021658.D

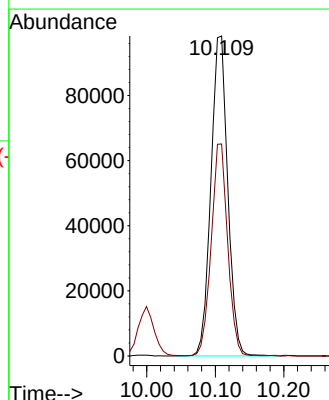
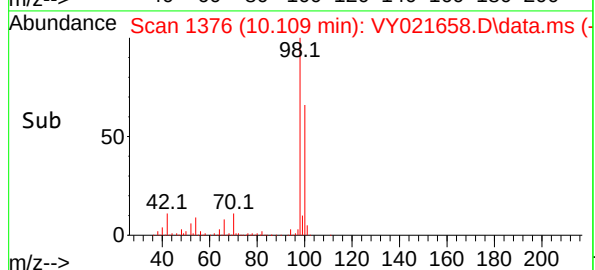
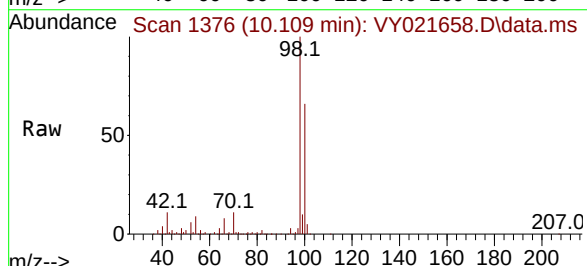
Acq: 27 Mar 2025 10:54

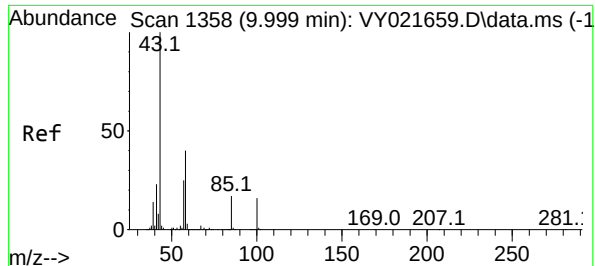
Tgt Ion: 98 Resp: 168040

Ion Ratio Lower Upper

98 100

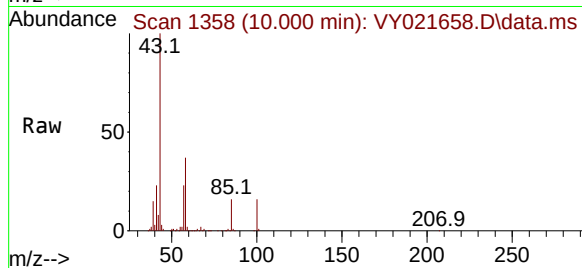
100 64.6 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 95.304 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

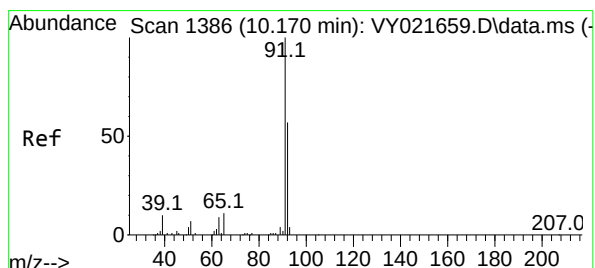
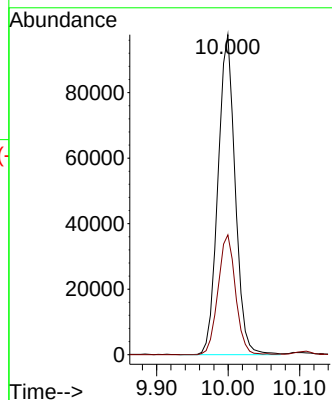
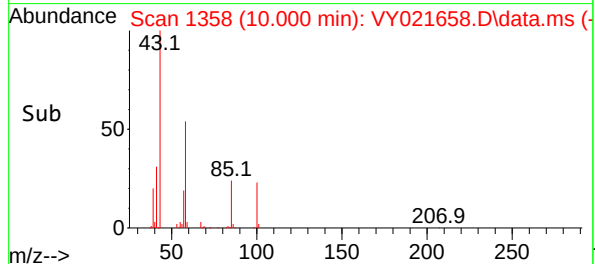
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 163415
Ion Ratio Lower Upper
43 100
58 38.1 31.5 47.3

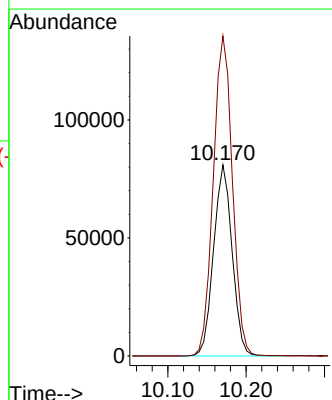
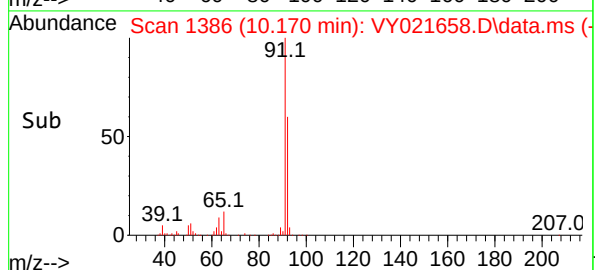
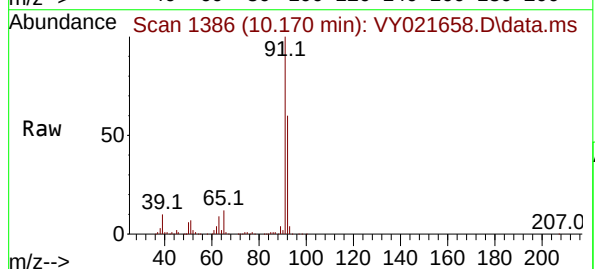
Manual Integrations
APPROVED

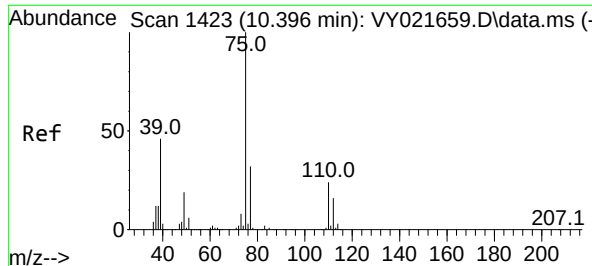
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 19.340 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 92 Resp: 133126
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





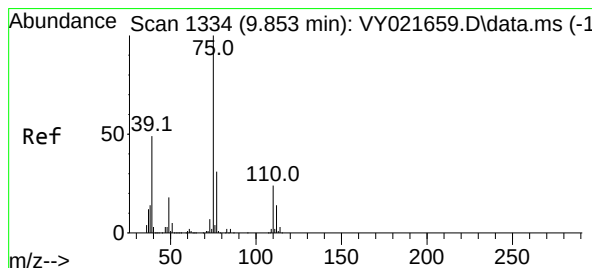
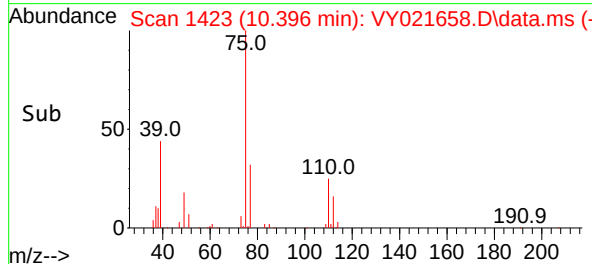
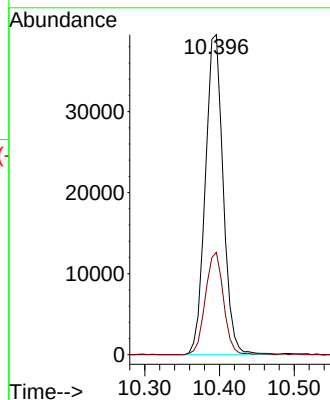
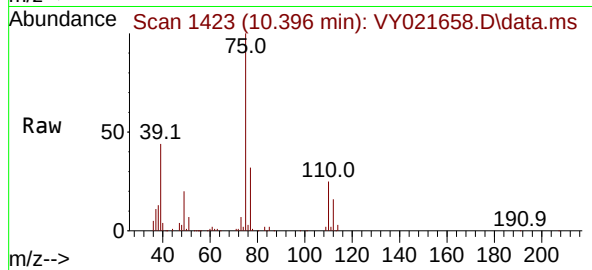
#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 65530
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

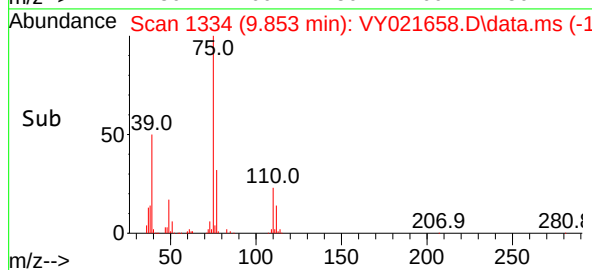
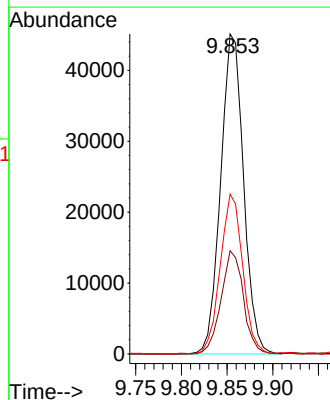
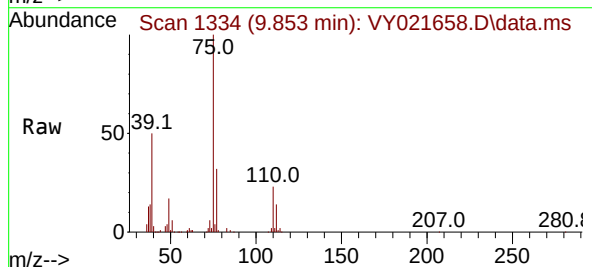
Manual Integrations
APPROVED

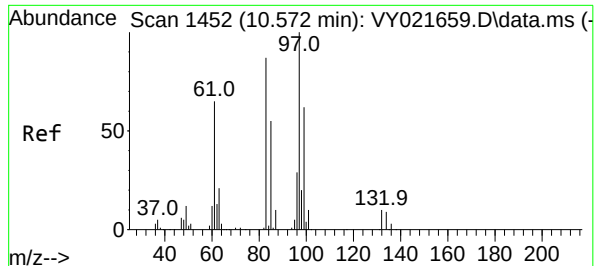
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 49.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.140 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 3707

Ion Ratio Lower Upper

97 100

83 84.0 69.5 104.3

85 55.1 43.9 65.9

99 61.4 49.9 74.9

Instrument :

MSVOA_Y

ClientSampleId :

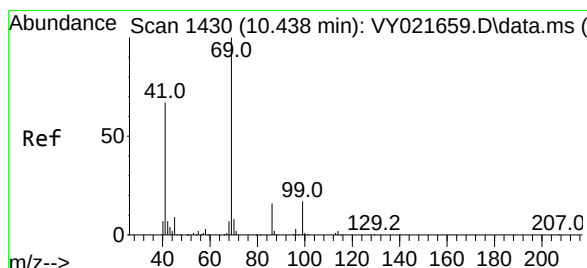
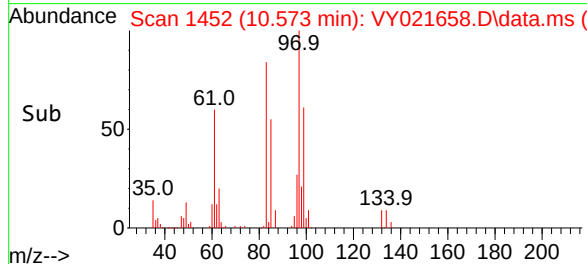
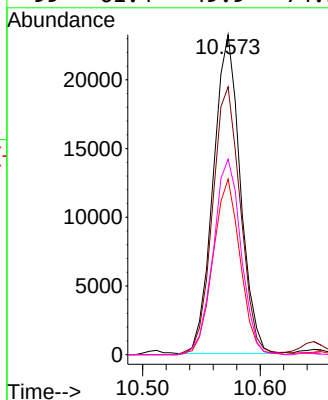
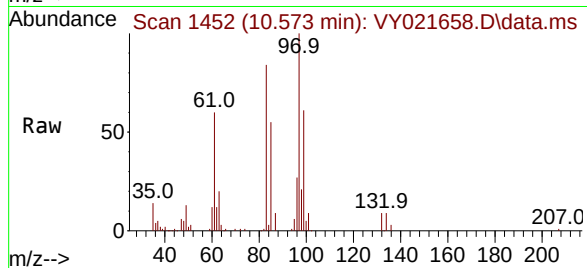
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#56

Ethyl methacrylate

Concen: 18.936 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

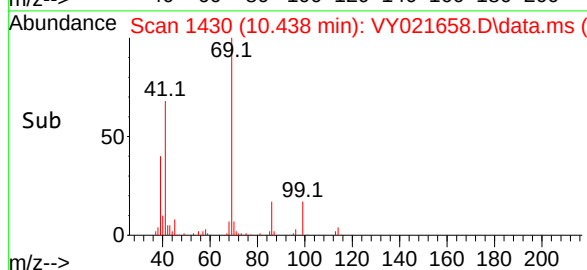
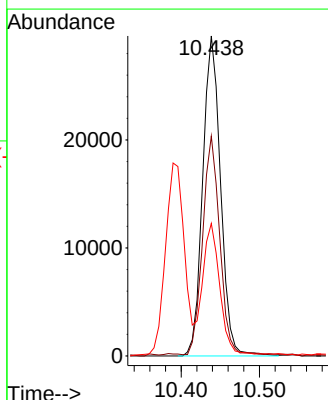
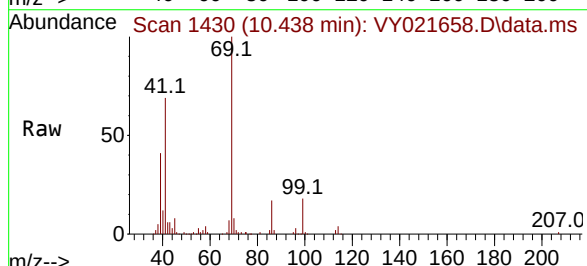
Tgt Ion: 69 Resp: 46833

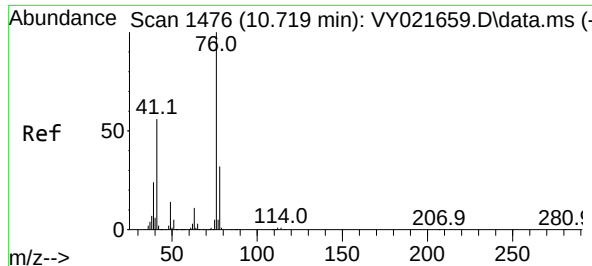
Ion Ratio Lower Upper

69 100

41 65.3 53.8 80.6

39 39.6 29.6 44.4





#57

1,3-Dichloropropane

Concen: 19.600 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 6556

Ion Ratio Lower Upper

76 100

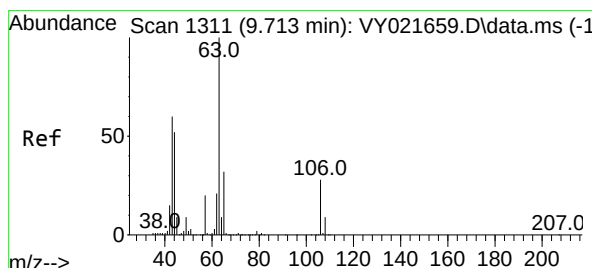
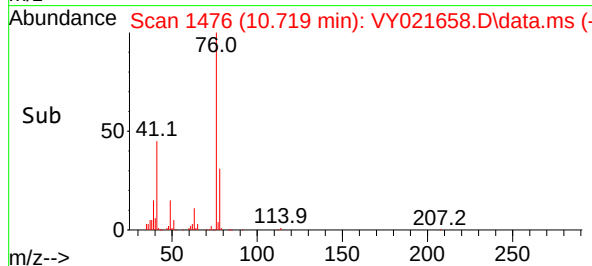
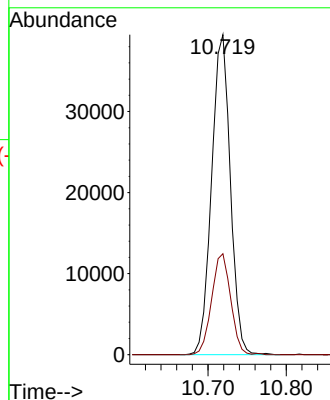
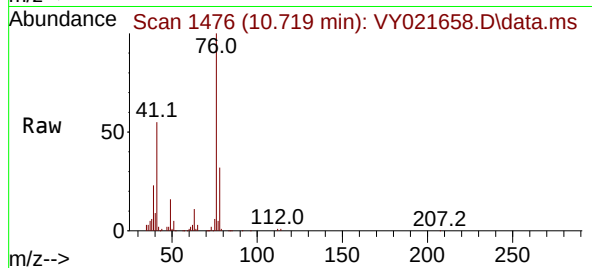
78 32.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 93.615 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021658.D

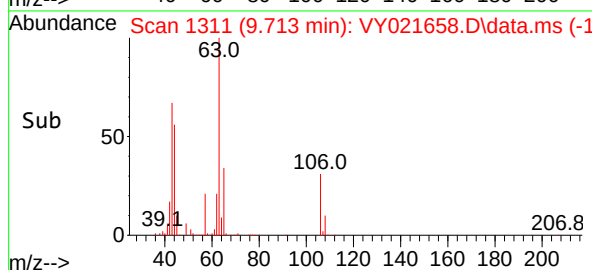
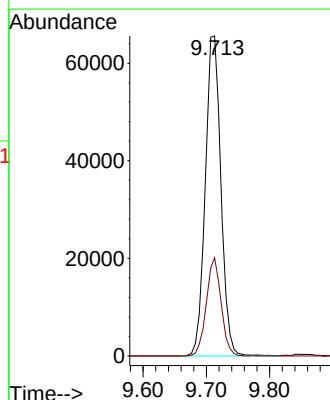
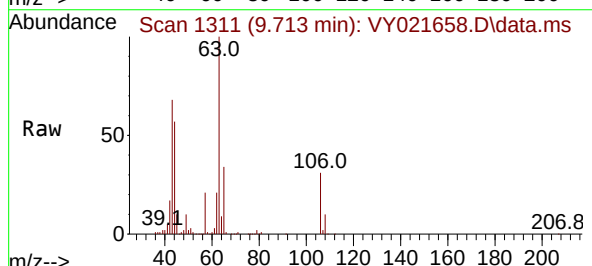
Acq: 27 Mar 2025 10:54

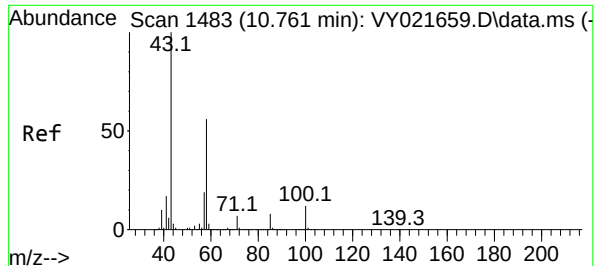
Tgt Ion: 63 Resp: 112947

Ion Ratio Lower Upper

63 100

106 28.9 22.4 33.6





#59

2-Hexanone

Concen: 94.241 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 107618

Ion Ratio Lower Upper

43 100

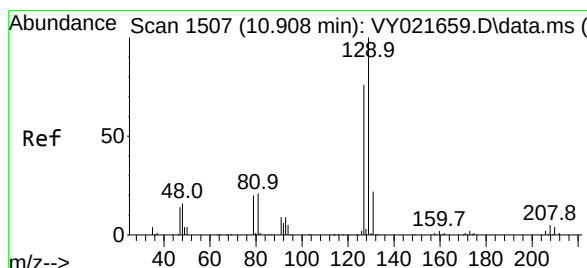
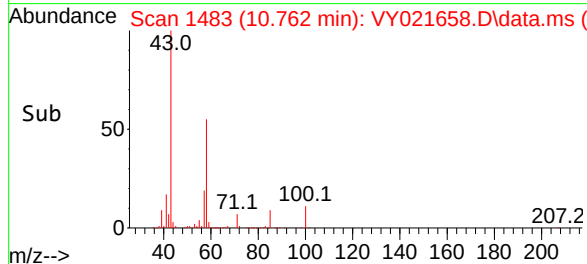
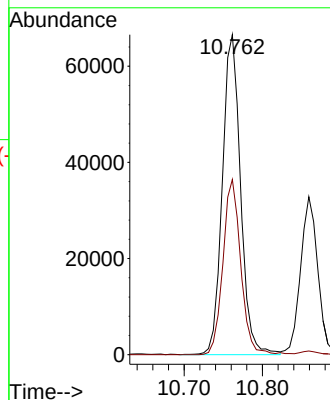
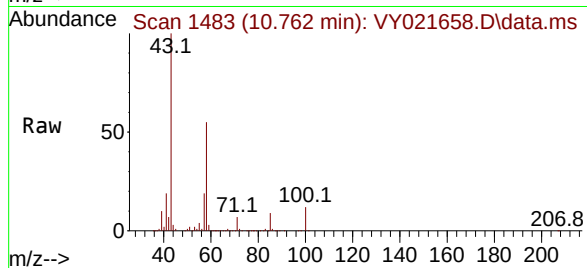
58 53.3 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 19.187 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021658.D

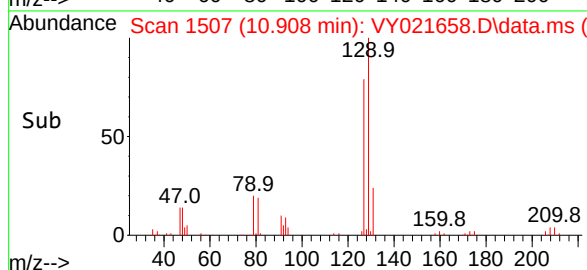
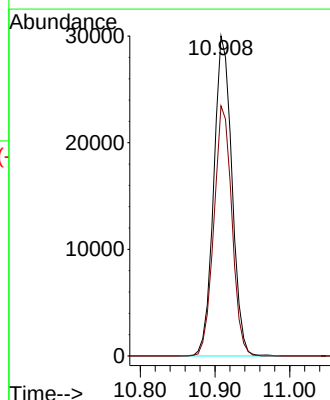
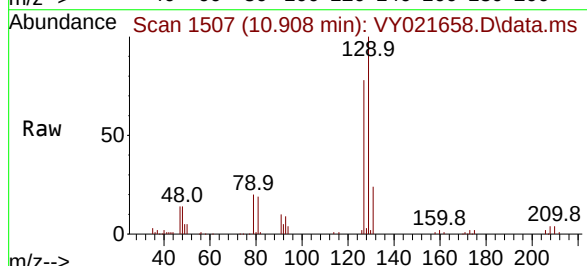
Acq: 27 Mar 2025 10:54

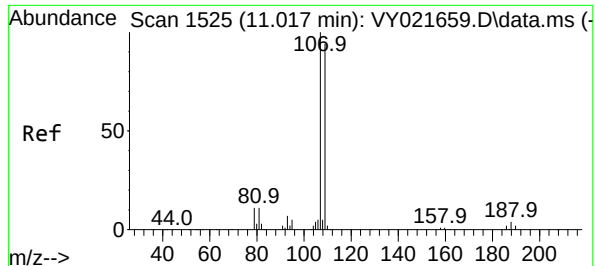
Tgt Ion:129 Resp: 50740

Ion Ratio Lower Upper

129 100

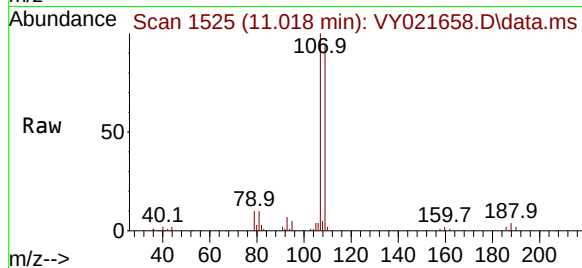
127 77.2 38.6 115.7





#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

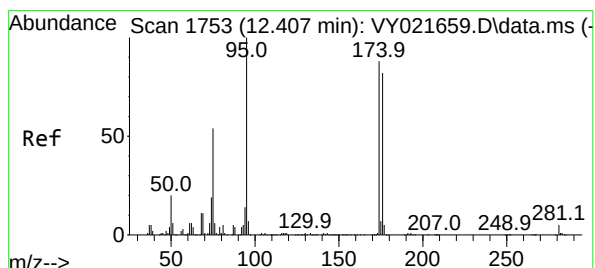
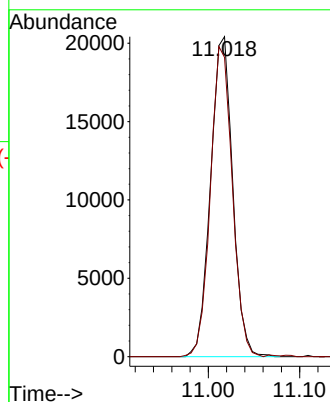
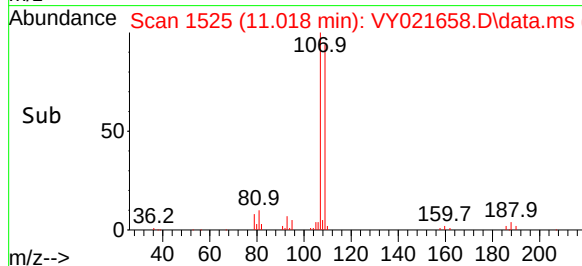
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 3429
Ion Ratio Lower Upper
107 100
109 95.9 74.4 111.6

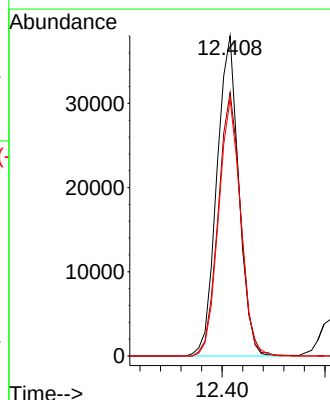
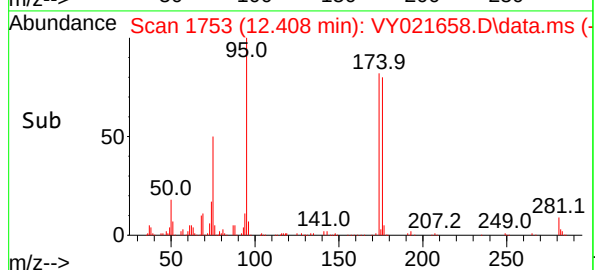
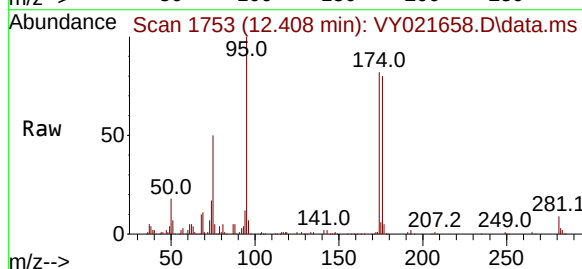
Manual Integrations
APPROVED

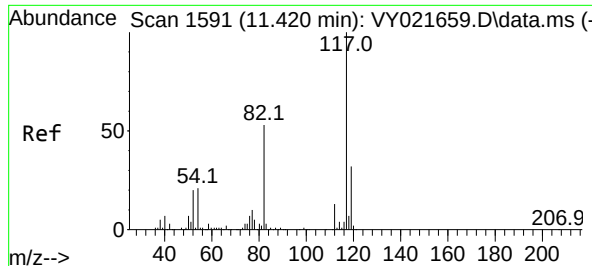
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

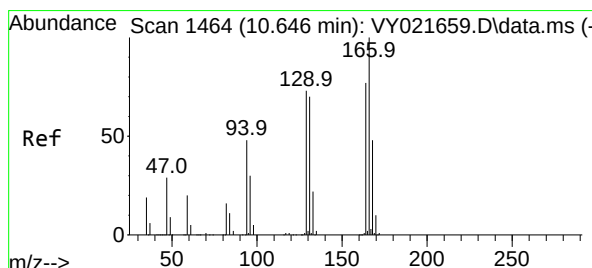
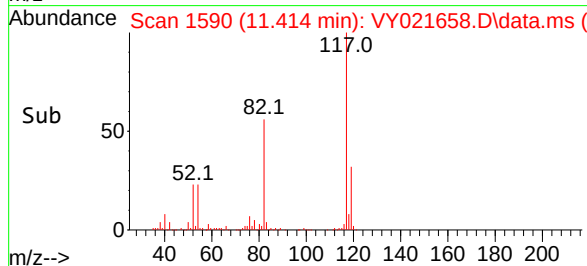
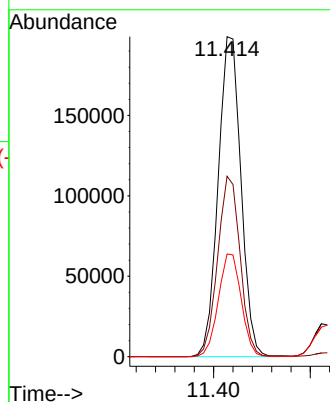
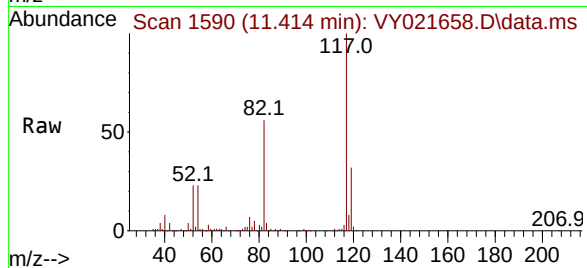
ClientSampleId :

VSTDICC020

Tgt Ion:	117	Resp:	32515
Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.8	64.2
119	32.1	25.7	38.5

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64

Tetrachloroethene

Concen: 19.897 ug/l

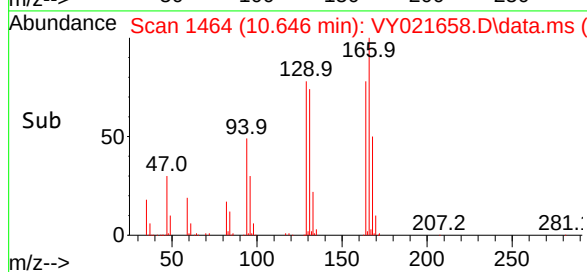
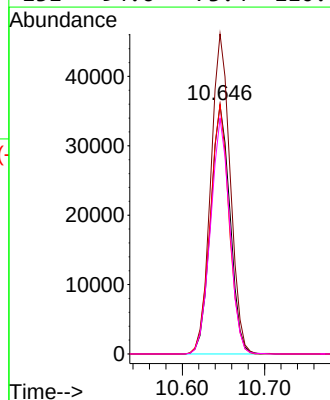
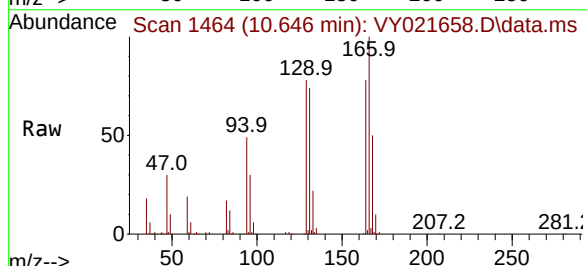
RT: 10.646 min Scan# 1464

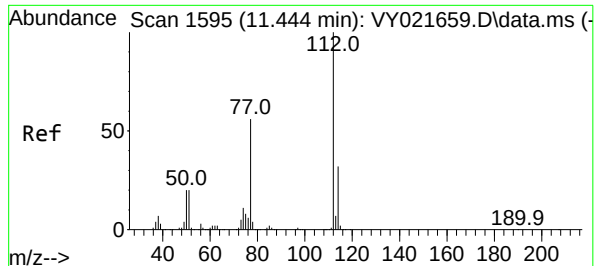
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	164	Resp:	58923
Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.6	156.8
129	100.1	76.6	114.8
131	94.6	73.4	110.0





#65

Chlorobenzene

Concen: 19.375 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 14441

Ion Ratio Lower Upper

112 100

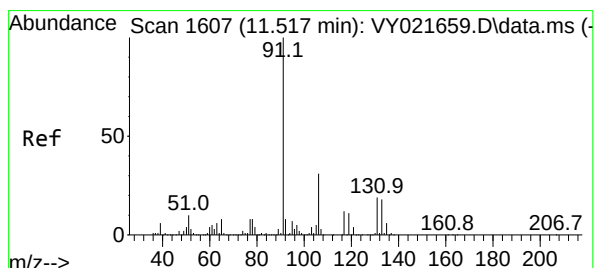
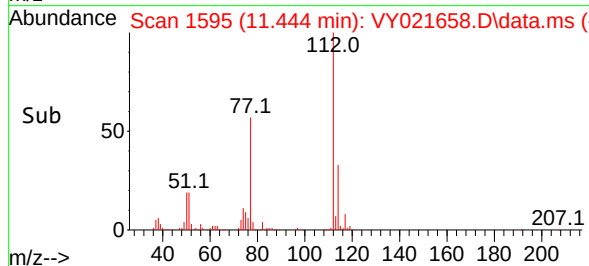
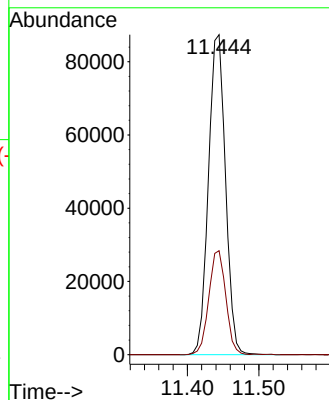
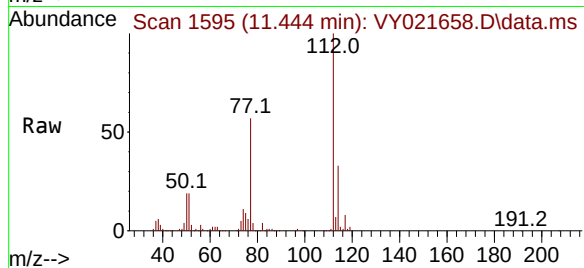
114 32.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

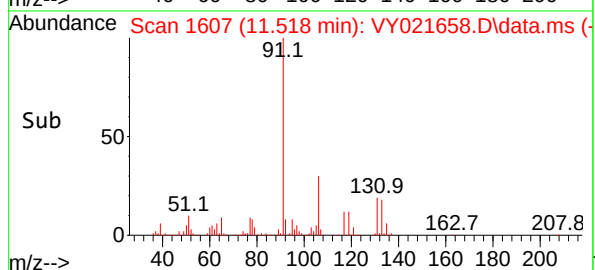
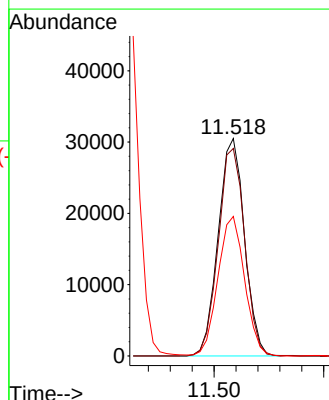
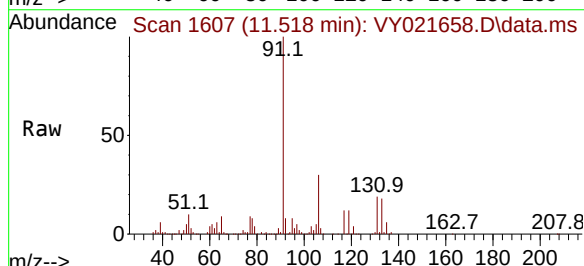
Tgt Ion:131 Resp: 50703

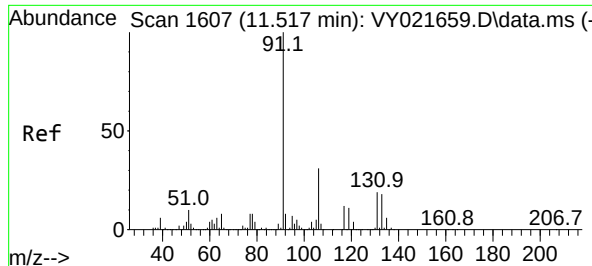
Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.8

119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 19.515 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 249430

Ion Ratio Lower Upper

91 100

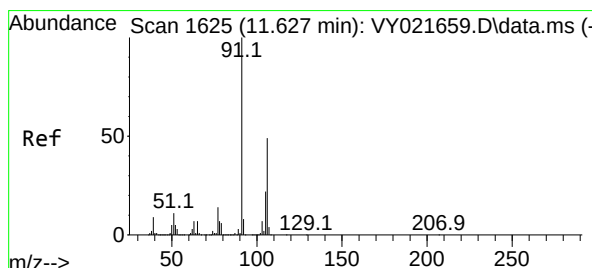
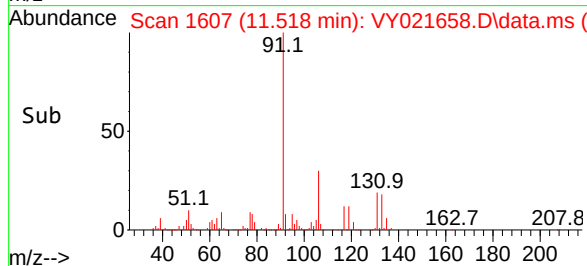
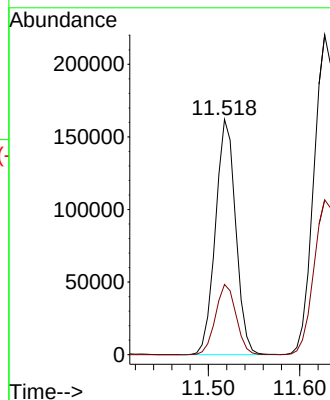
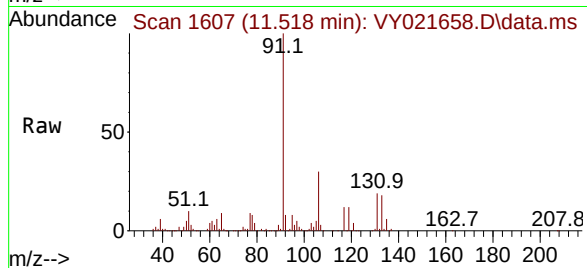
106 29.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 39.549 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021658.D

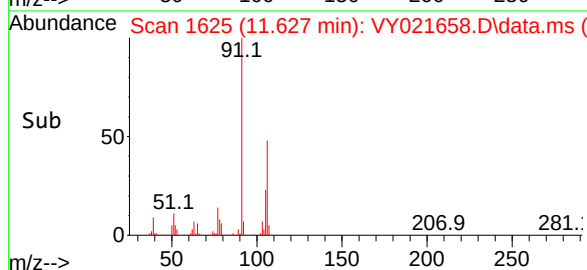
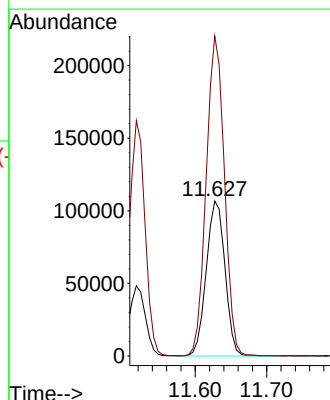
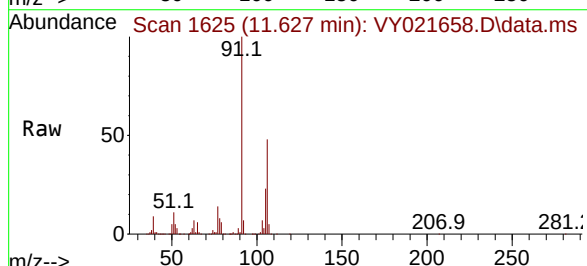
Acq: 27 Mar 2025 10:54

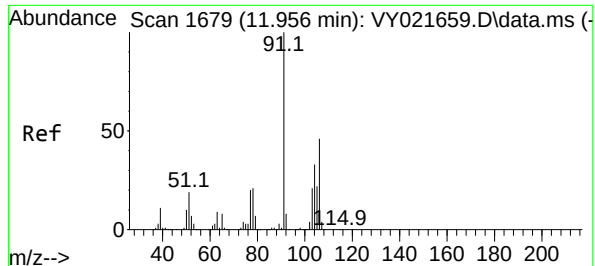
Tgt Ion:106 Resp: 193566

Ion Ratio Lower Upper

106 100

91 201.0 162.4 243.6





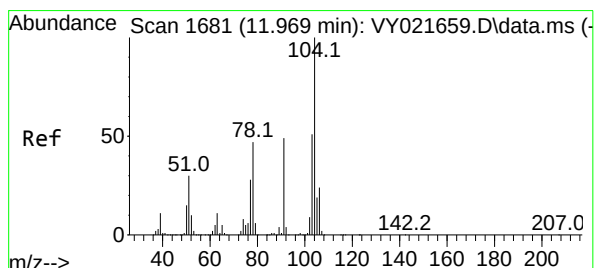
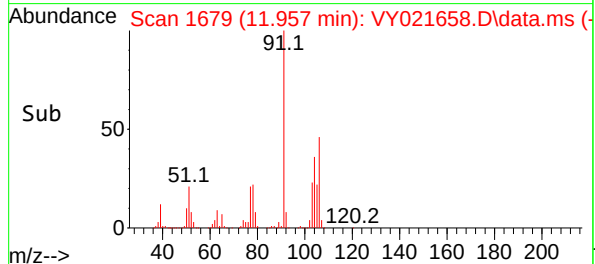
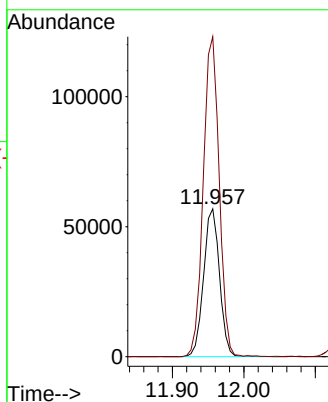
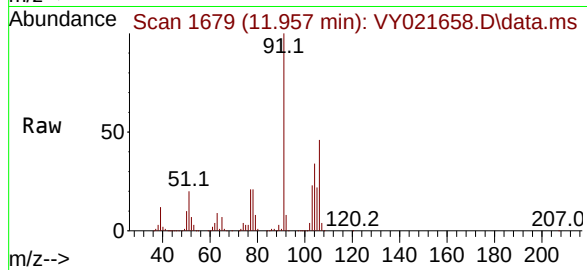
#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 8792
Ion Ratio Lower Upper
106 100
91 216.7 106.7 319.9

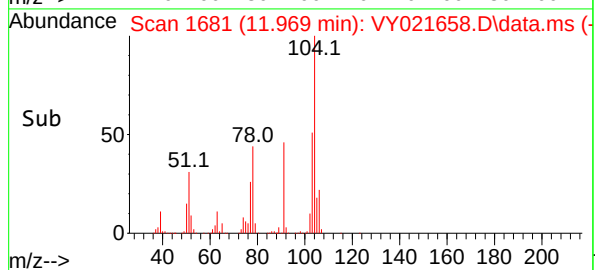
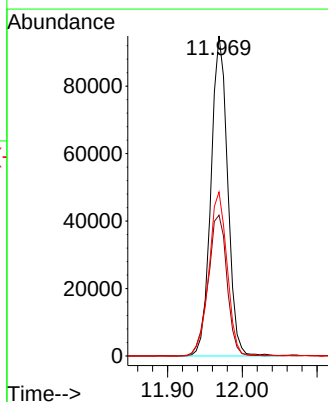
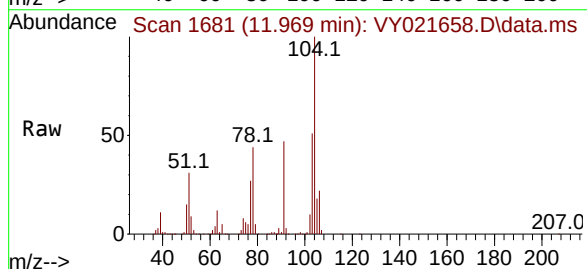
Manual Integrations
APPROVED

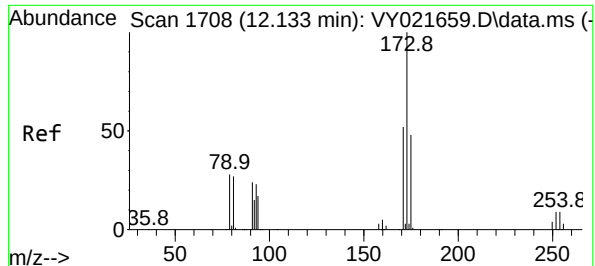
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 19.580 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

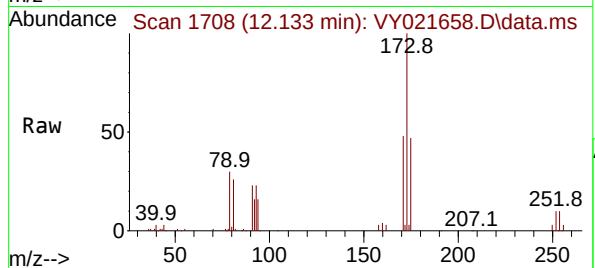
Tgt Ion:104 Resp: 147490
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 55.7 44.2 66.2





#71
Bromoform
Concen: 19.706 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

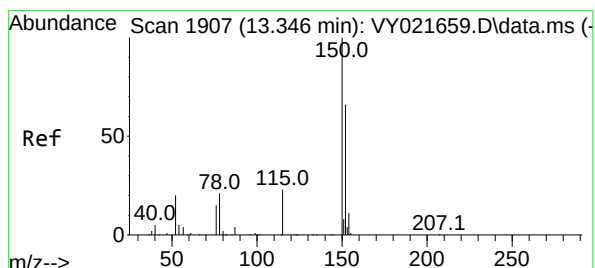
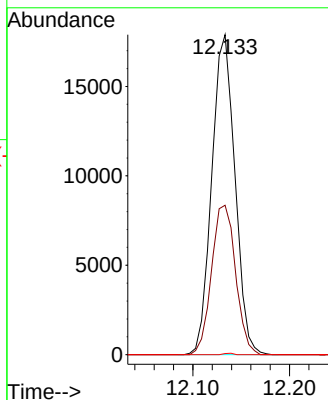
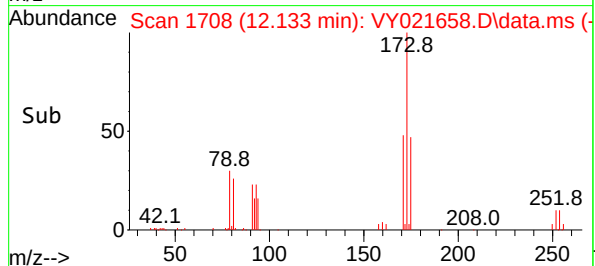
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



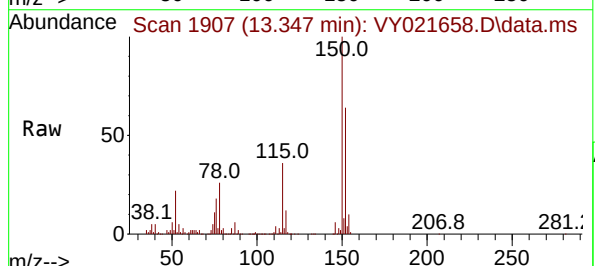
Tgt Ion:173 Resp: 29720
Ion Ratio Lower Upper
173 100
175 48.5 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
APPROVED

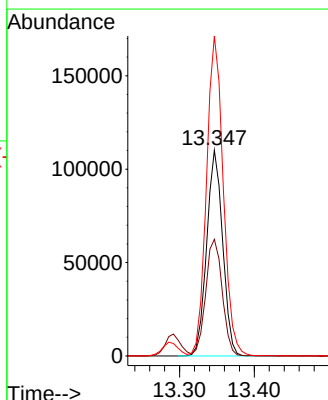
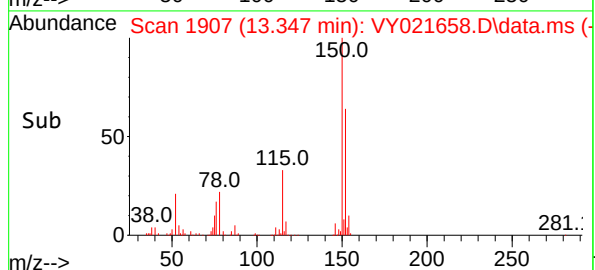
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

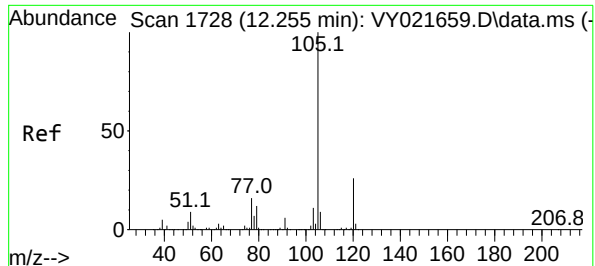


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54



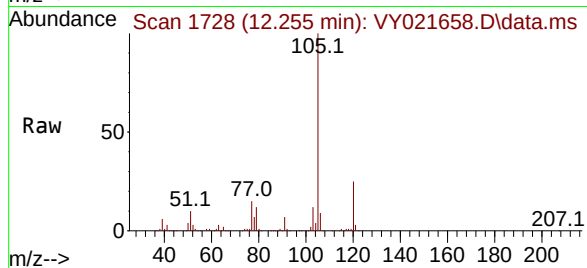
Tgt Ion:152 Resp: 163591
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 162.8 0.0 348.4





#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

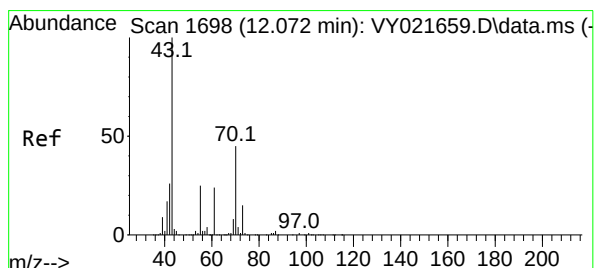
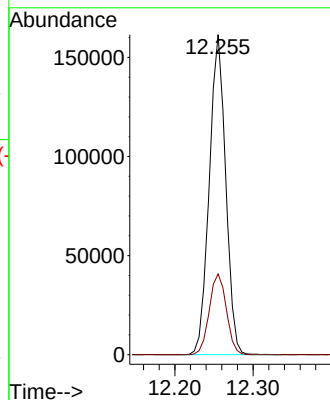
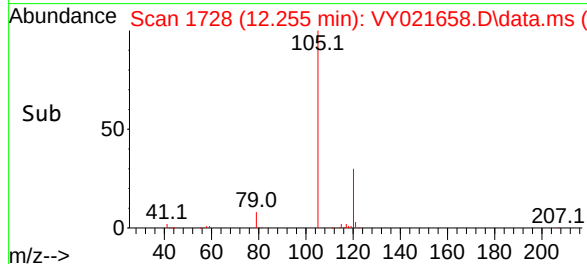
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



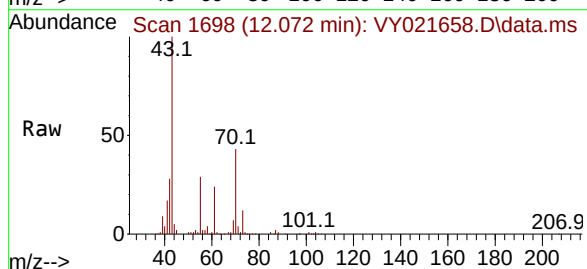
Tgt Ion: 105 Resp: 23438
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

Manual Integrations
APPROVED

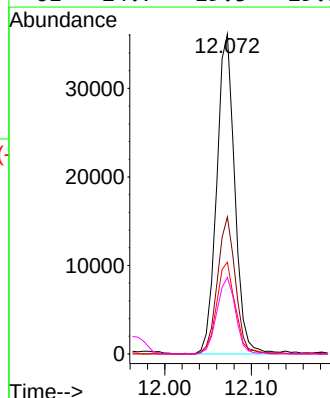
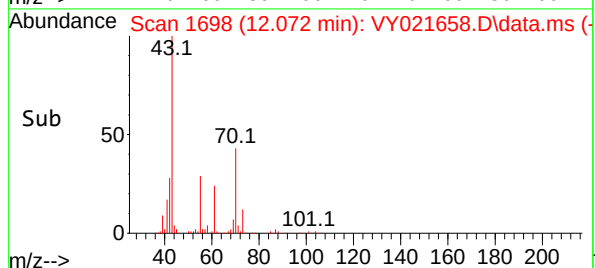
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

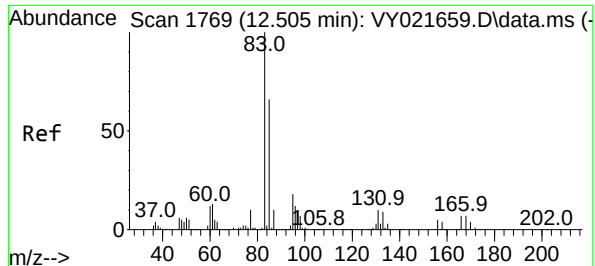


#74
N-ethyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54



Tgt Ion: 43 Resp: 52342
Ion Ratio Lower Upper
43 100
70 42.9 34.7 52.1
55 30.0 21.2 31.8
61 24.7 19.5 29.3





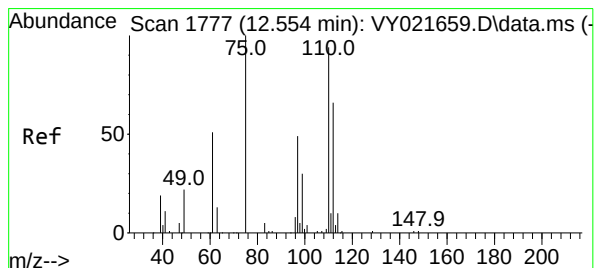
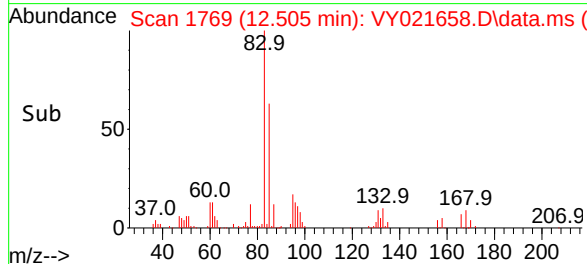
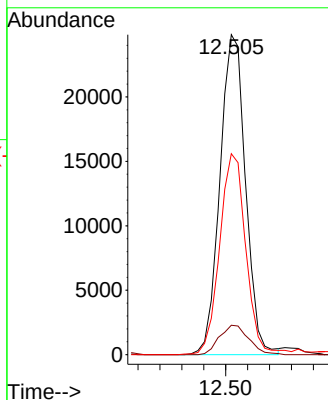
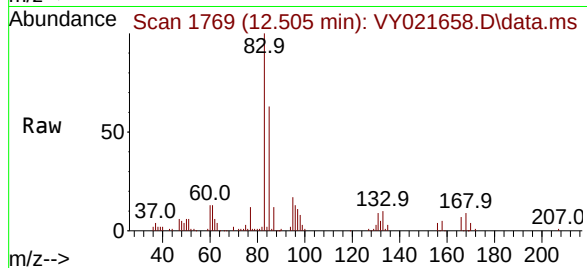
#75
1,1,2,2-Tetrachloroethane
Concen: 18.438 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 40279
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 64.3 32.3 96.8

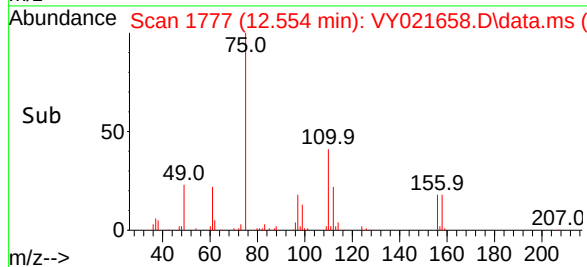
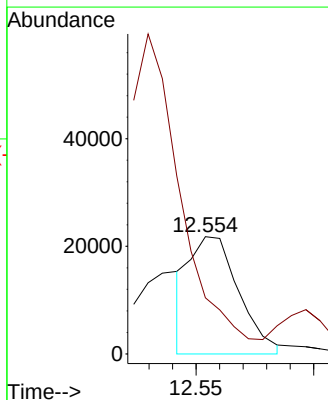
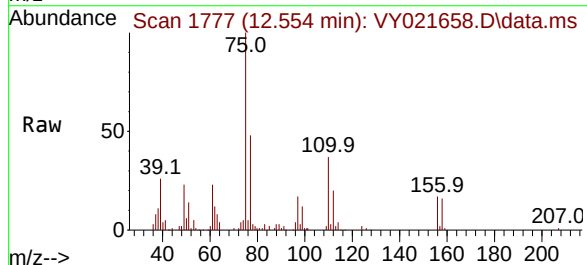
Manual Integrations
APPROVED

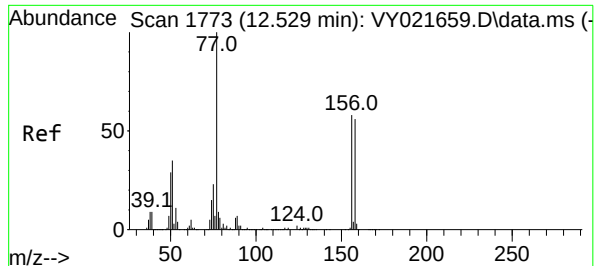
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 19.644 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

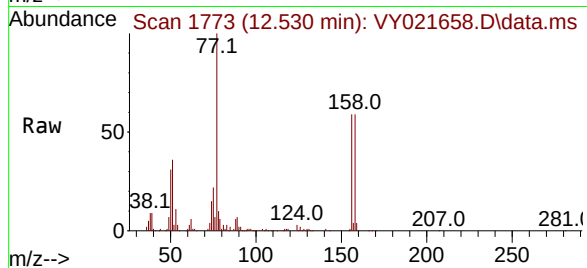
Tgt Ion: 75 Resp: 31855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 19.119 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

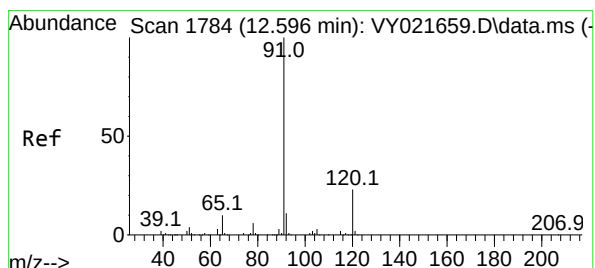
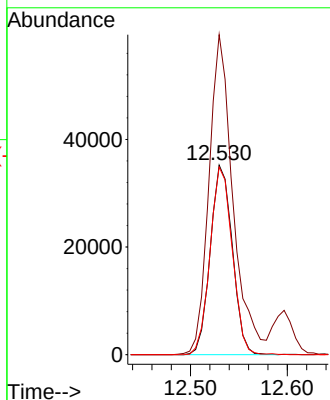
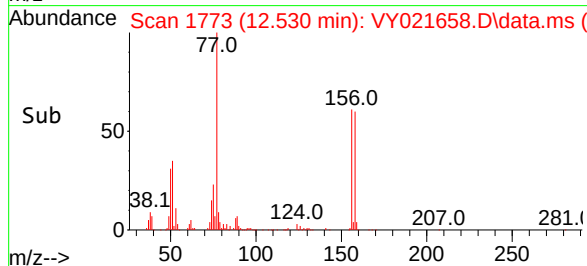
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



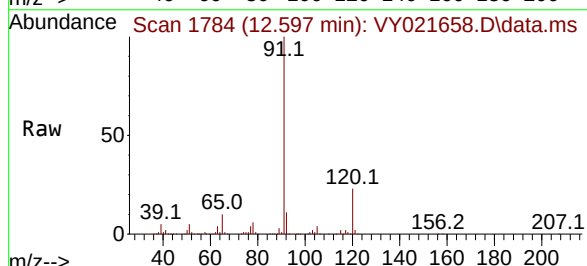
Tgt Ion:156 Resp: 55770
Ion Ratio Lower Upper
156 100
77 184.4 92.8 278.3
158 99.7 48.5 145.6

Manual Integrations
APPROVED

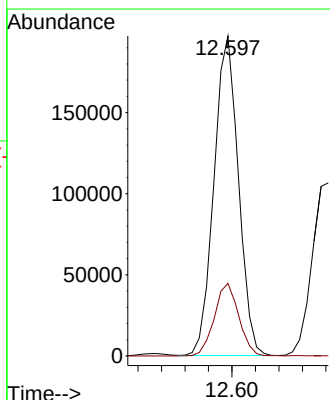
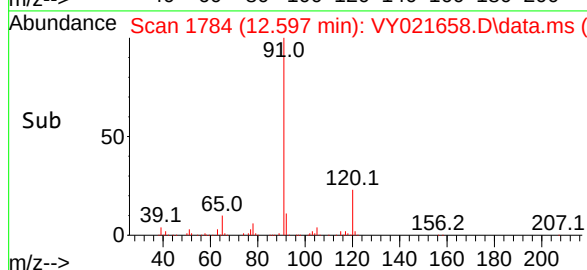
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

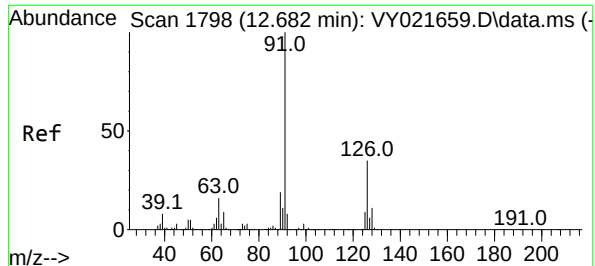


#78
n-propylbenzene
Concen: 19.480 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54



Tgt Ion: 91 Resp: 284563
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.555 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 16591

Ion Ratio Lower Upper

91 100

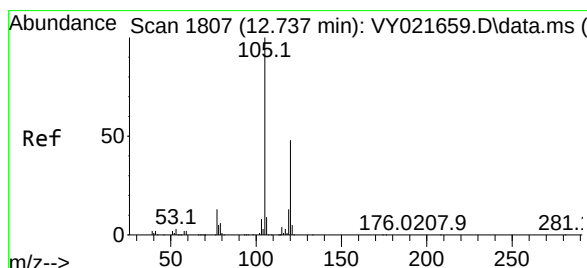
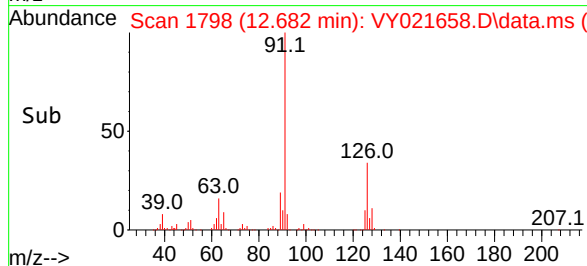
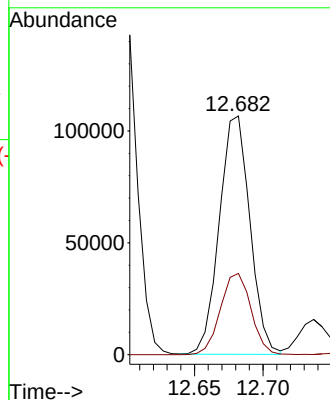
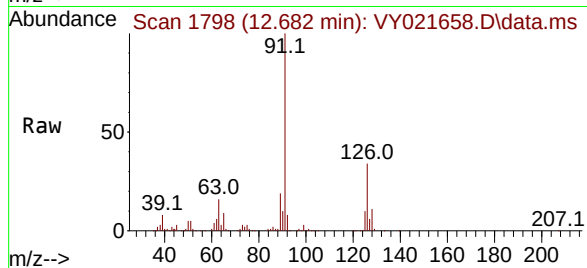
126 34.0 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.651 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021658.D

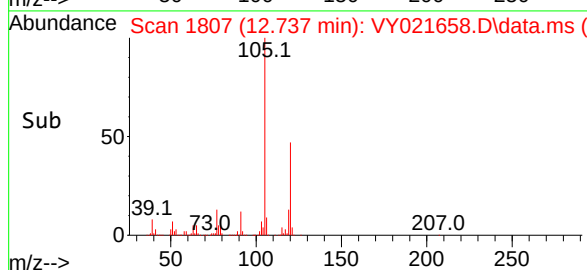
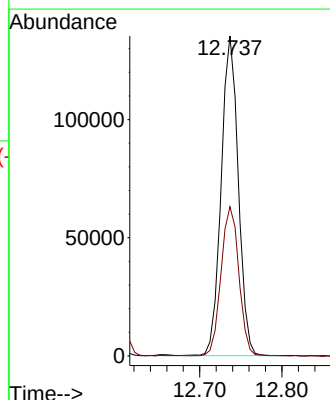
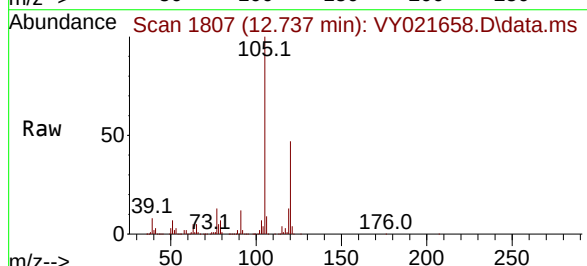
Acq: 27 Mar 2025 10:54

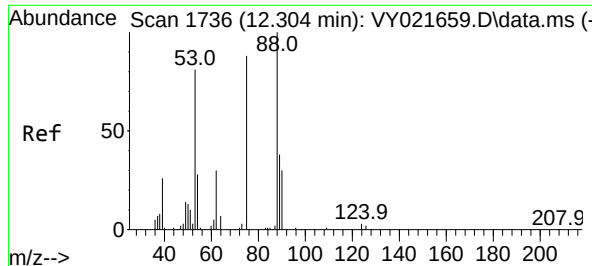
Tgt Ion:105 Resp: 195141

Ion Ratio Lower Upper

105 100

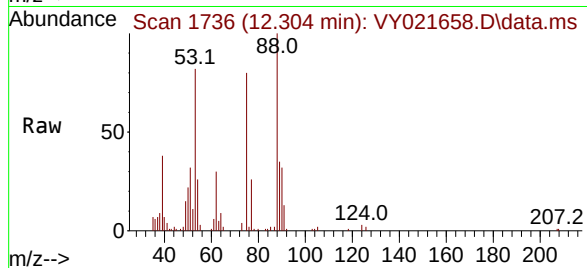
120 48.8 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

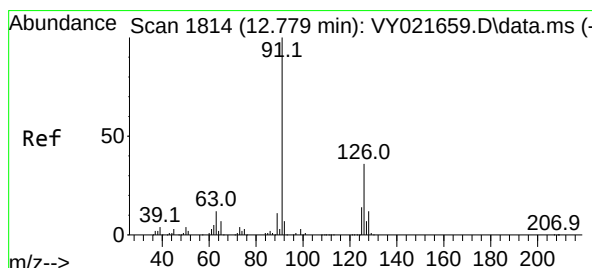
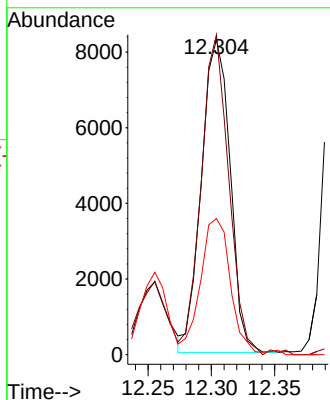
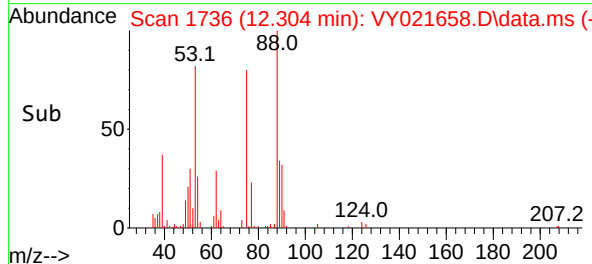
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.6	76.1	114.1
89	44.2	36.2	54.4

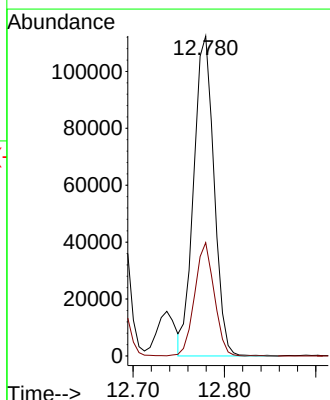
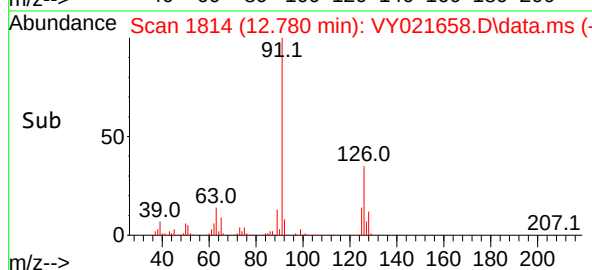
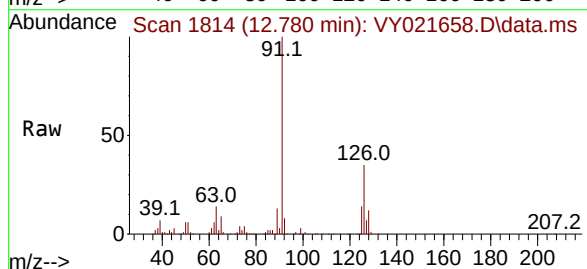
Manual Integrations
APPROVED

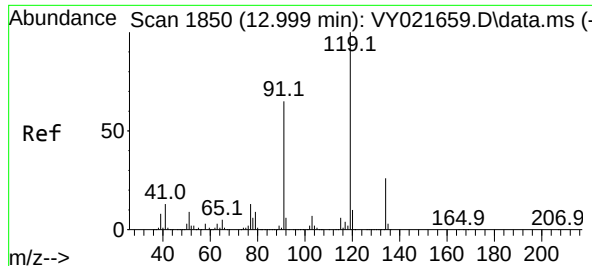
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9





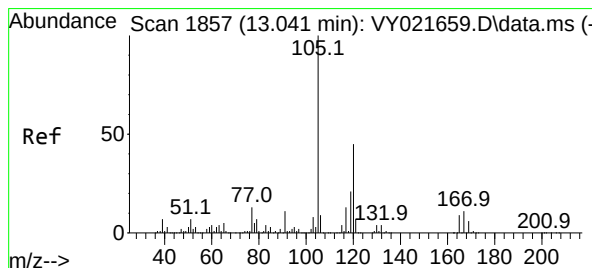
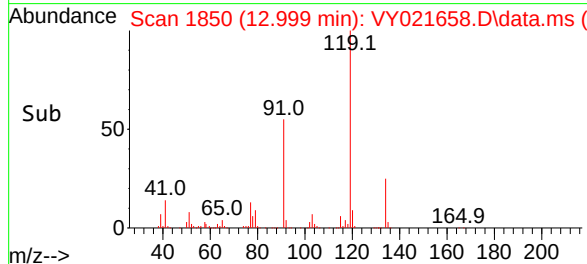
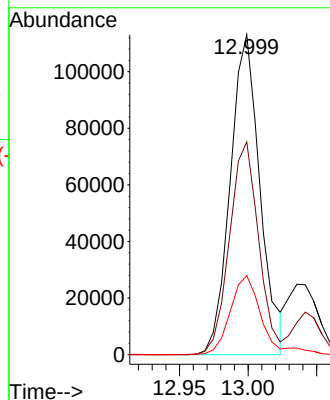
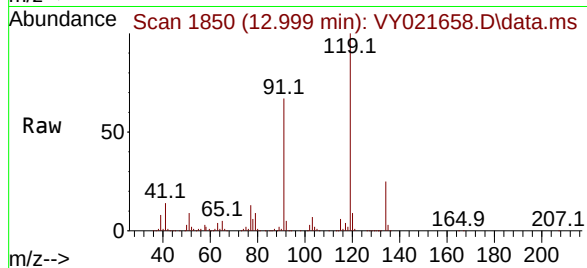
#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 171210
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.1 13.2 39.6

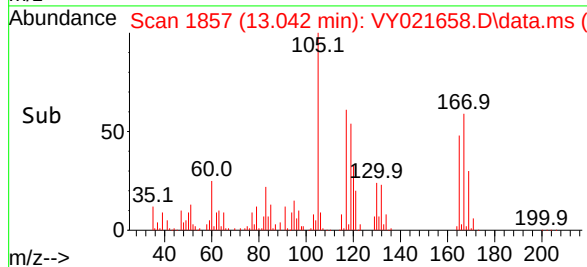
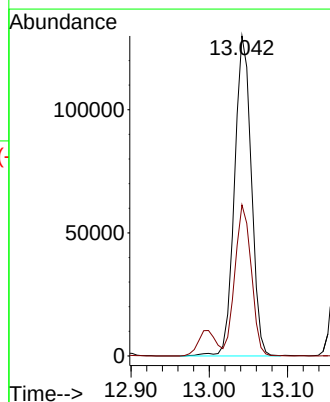
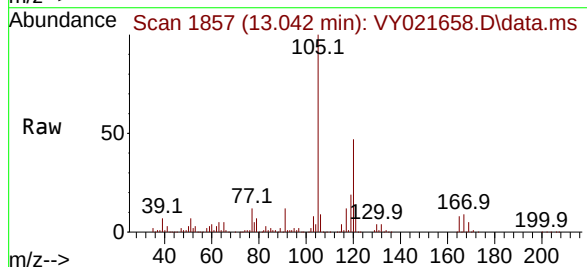
Manual Integrations
APPROVED

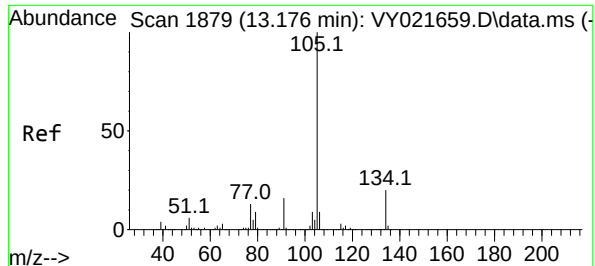
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683
Ion Ratio Lower Upper
105 100
120 45.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.540 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 25257

Ion Ratio Lower Upper

105 100

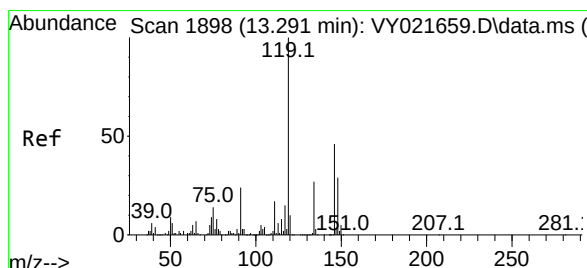
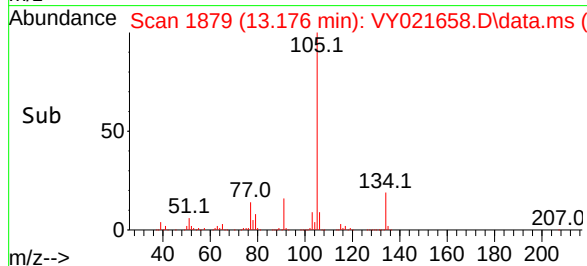
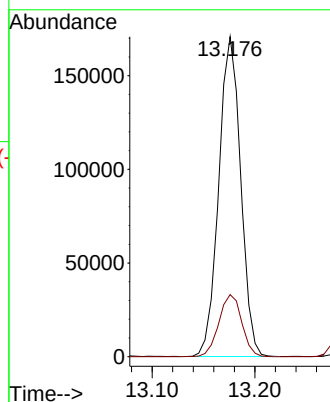
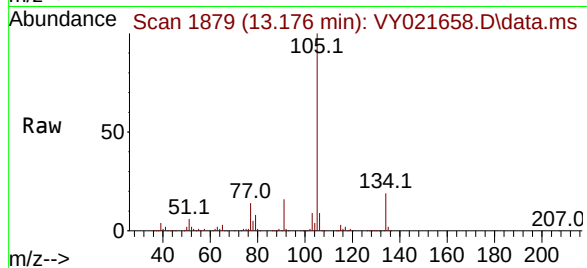
134 20.3 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 19.567 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

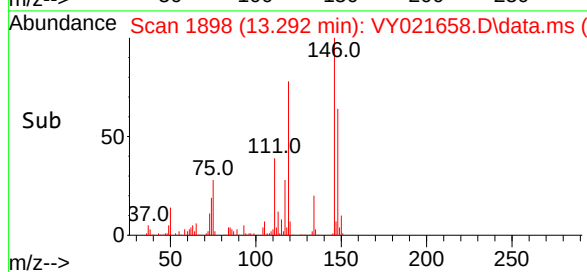
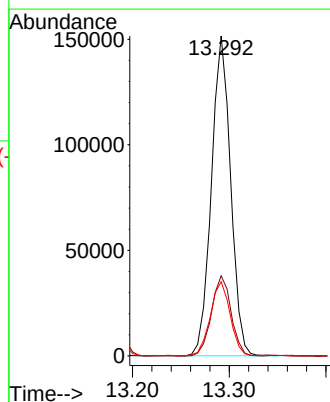
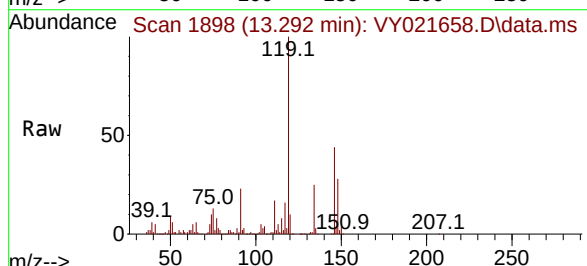
Tgt Ion:119 Resp: 209041

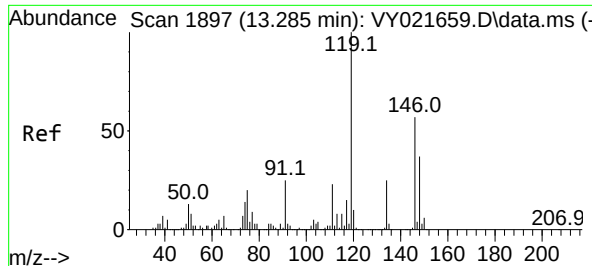
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.286 min Scan# 11168

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

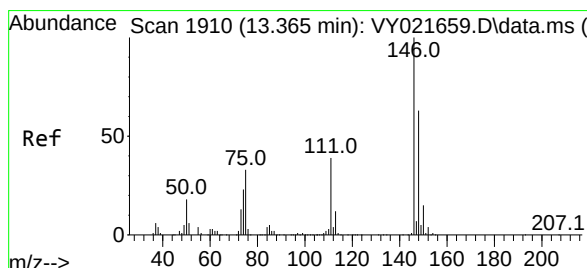
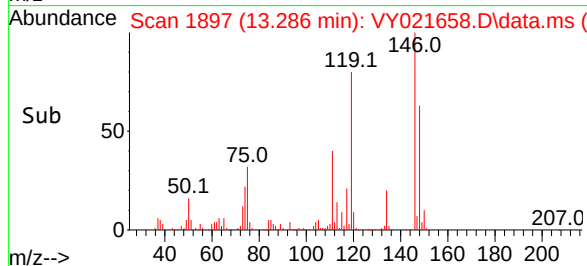
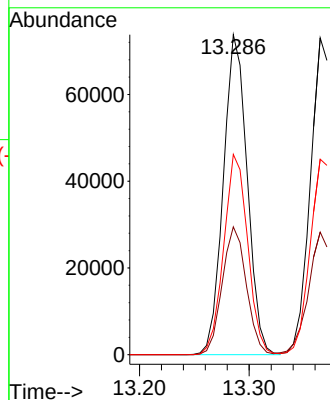
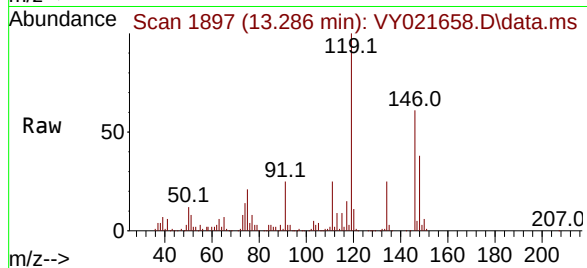
Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	11168
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.0	60.0
148	63.0	31.8	95.4

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#88

1,4-Dichlorobenzene

Concen: 19.636 ug/l

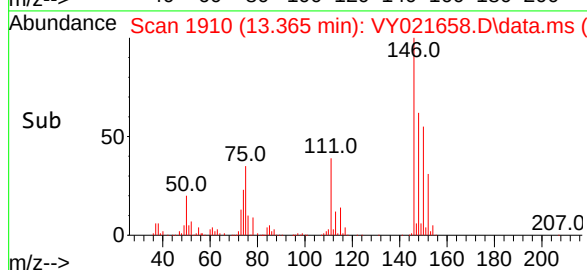
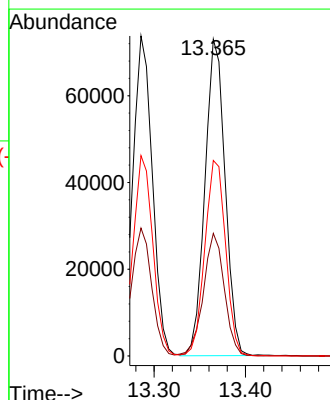
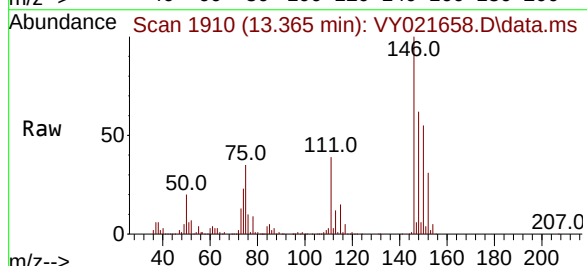
RT: 13.365 min Scan# 1910

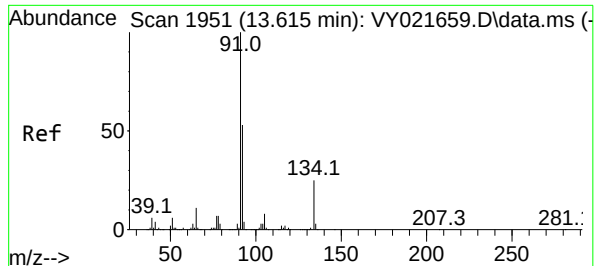
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	146	Resp:	111508
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.1	57.1
148	63.9	31.5	94.5





#89

n-Butylbenzene

Concen: 19.416 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

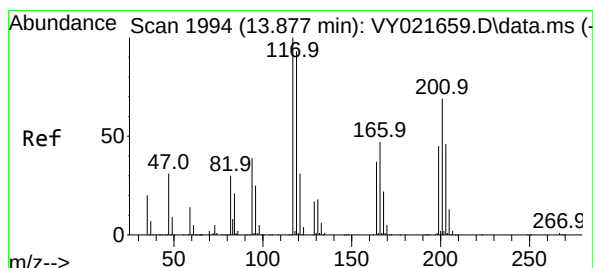
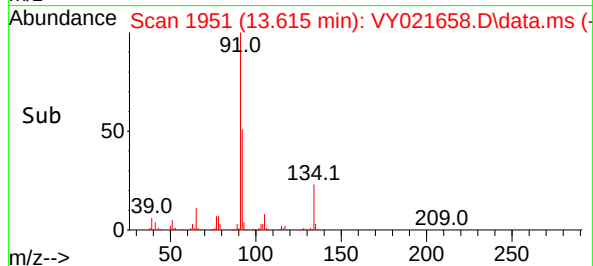
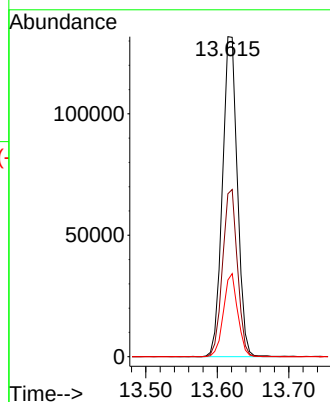
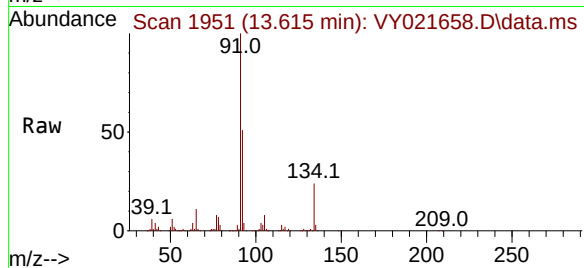
ClientSampleId :

VSTDIC020

Tgt Ion:	91	Resp:	19183
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	24.6	12.8	38.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 18.928 ug/l

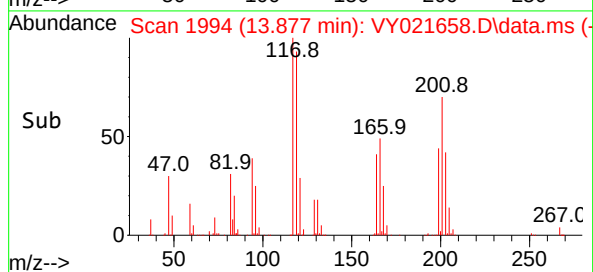
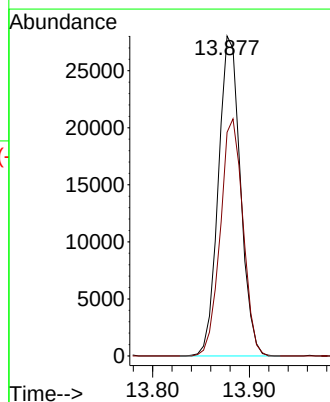
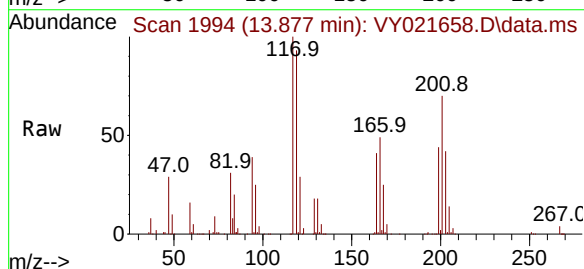
RT: 13.877 min Scan# 1994

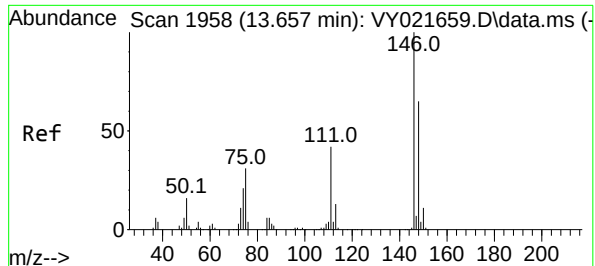
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:	117	Resp:	44313
Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.4	112.1





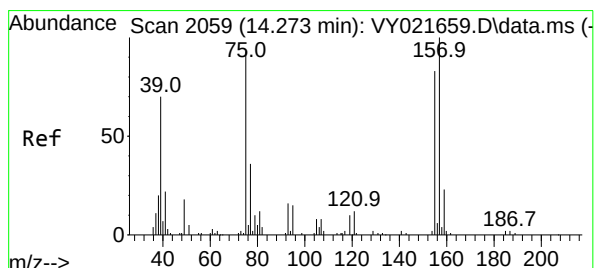
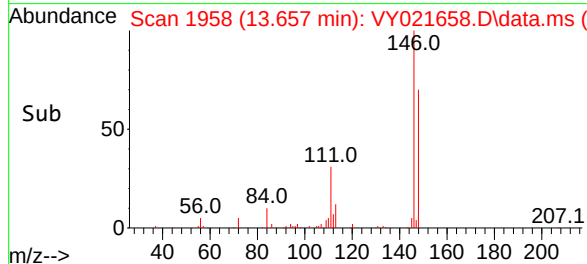
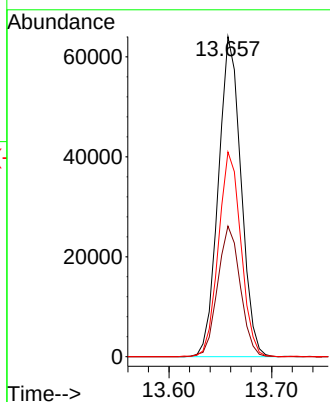
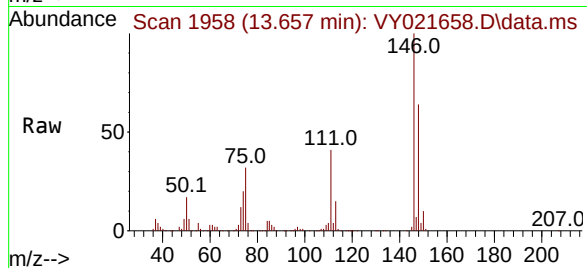
#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 97912
Ion Ratio Lower Upper
146 100
111 40.7 20.7 62.1
148 63.6 32.3 96.9

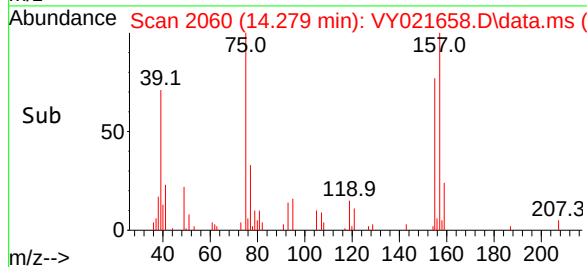
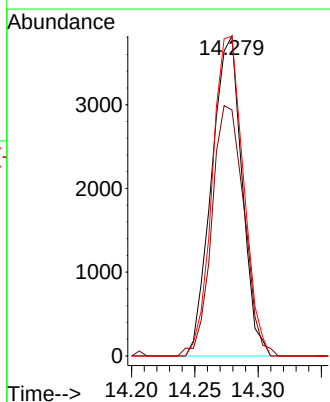
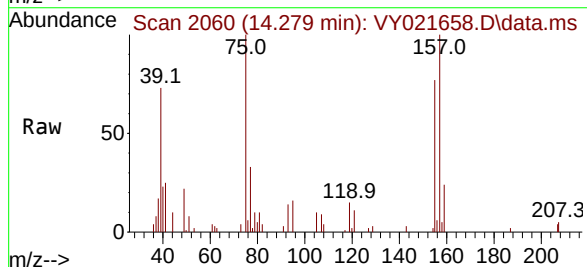
Manual Integrations
APPROVED

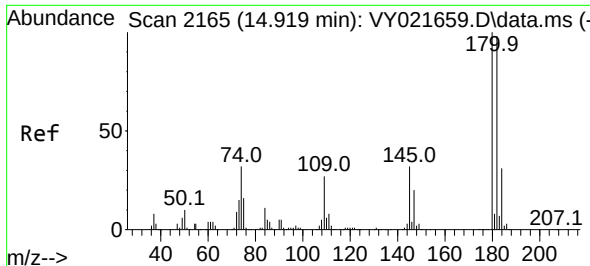
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.811 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6369
Ion Ratio Lower Upper
75 100
155 82.7 43.0 128.8
157 102.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.971 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021658.D

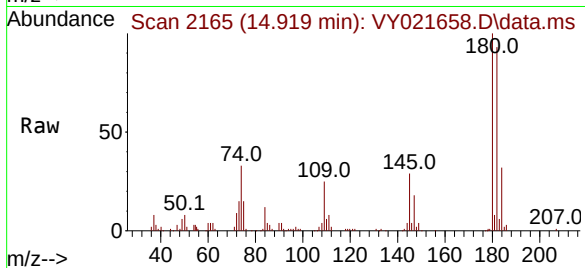
Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

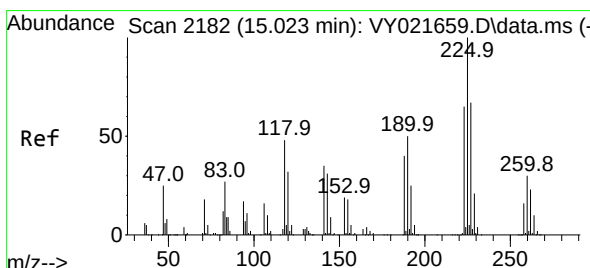
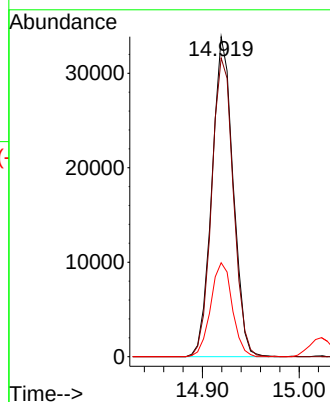
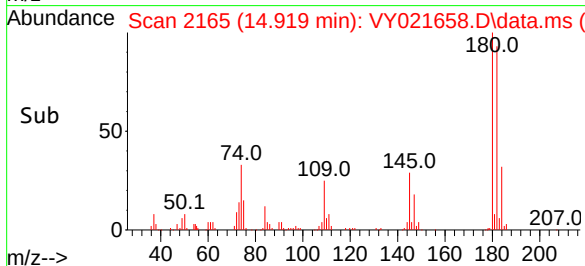


Tgt Ion:	180	Resp:	51474
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.5	142.6
145	30.0	14.9	44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

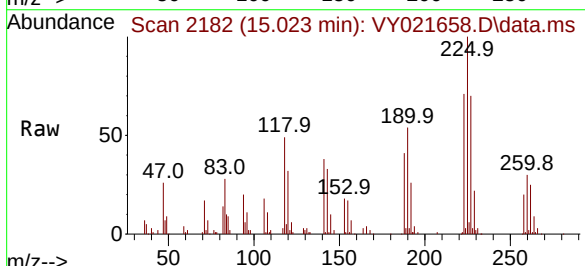
Concen: 18.916 ug/l

RT: 15.023 min Scan# 2182

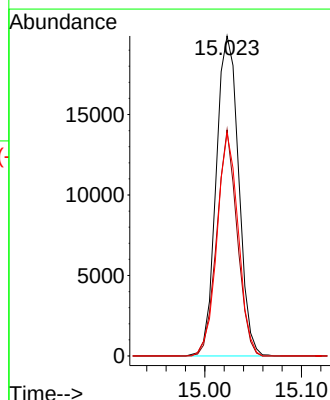
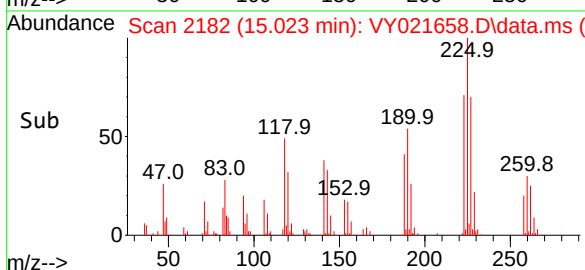
Delta R.T. 0.000 min

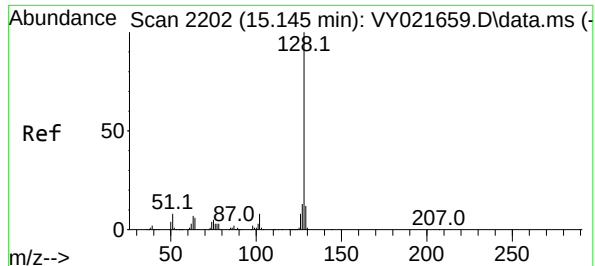
Lab File: VY021658.D

Acq: 27 Mar 2025 10:54



Tgt Ion:	225	Resp:	32055
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.9	95.7
227	65.5	32.4	97.0





#95

Naphthalene

Concen: 18.305 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

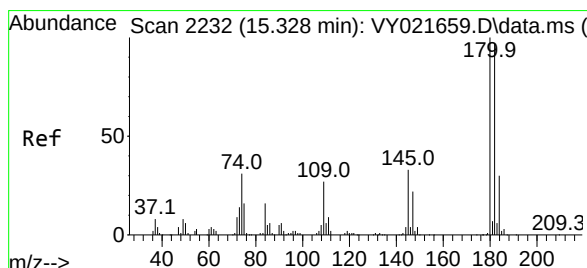
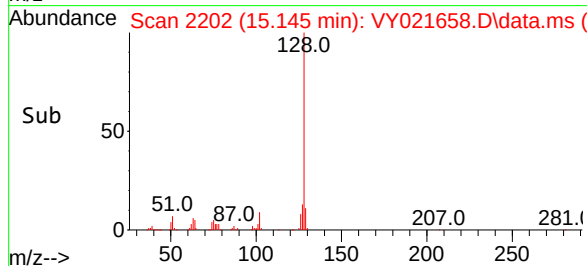
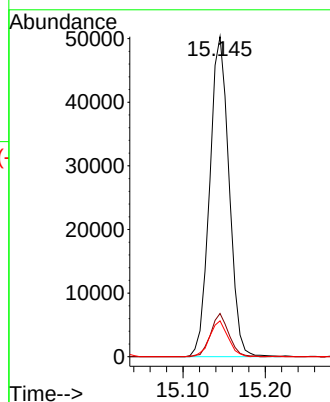
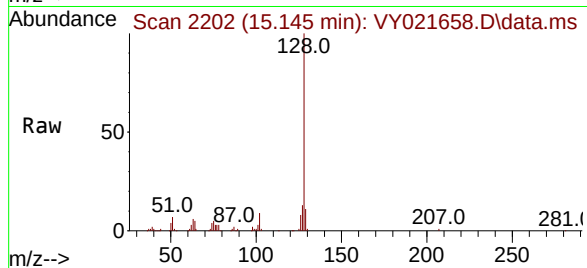
VSTDIC020

Tgt Ion:128	Resp:	8232
Ion Ratio	Lower	Upper
128	100	
127	12.7	10.8 16.2
129	10.7	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.037 ug/l

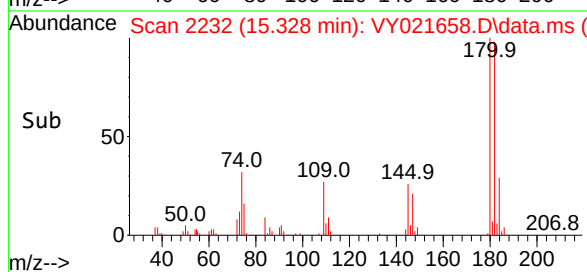
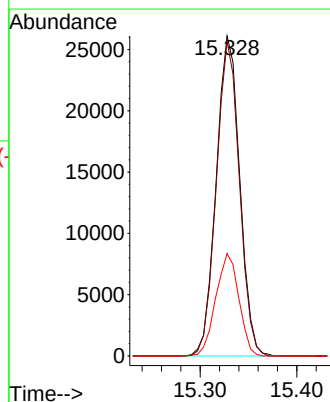
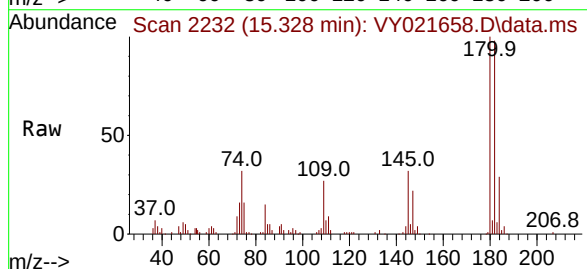
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:180	Resp:	44047
Ion Ratio	Lower	Upper
180	100	
182	96.2	47.5 142.5
145	31.3	15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021659.D
 Acq On : 27 Mar 2025 11:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 28 02:16:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.100%	
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.520%	
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.820%	
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.160%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021659.D
 Acq On : 27 Mar 2025 11:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	50658m	55.298	ug/l	
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83656m	50.257	ug/l	
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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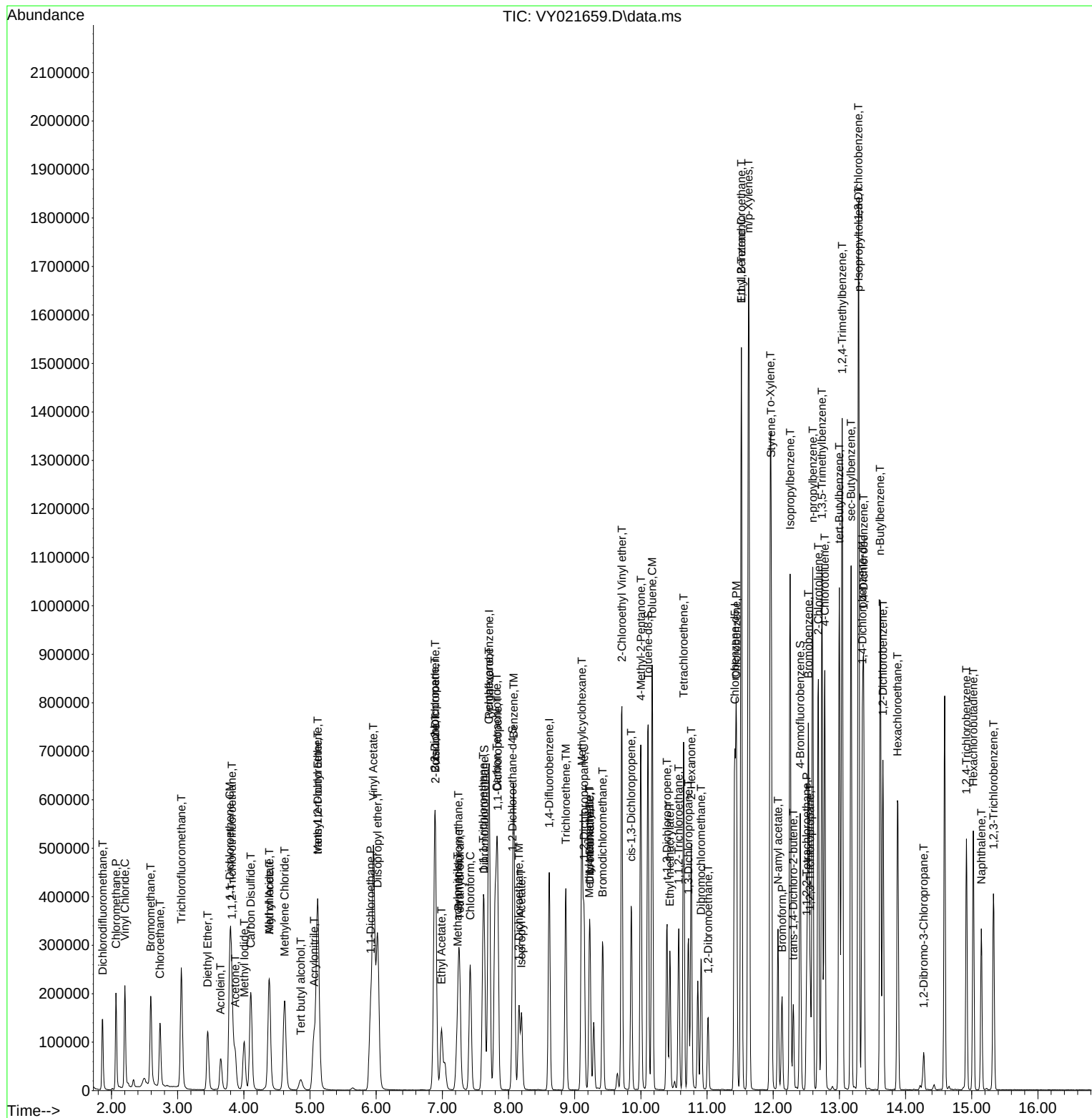
(#) = qualifier out of range (m) = manual integration (+) = signals summed

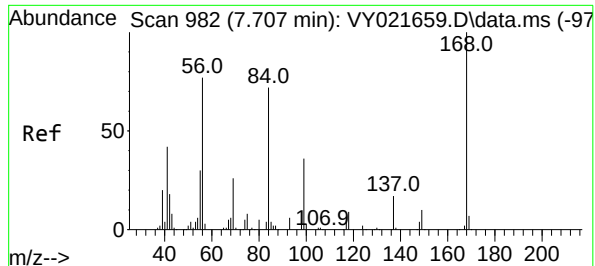
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Manual Integrations

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025





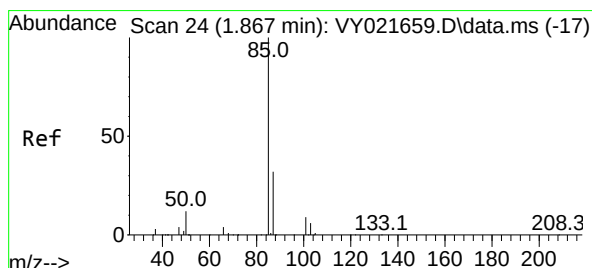
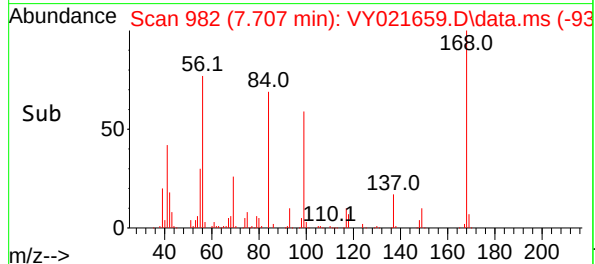
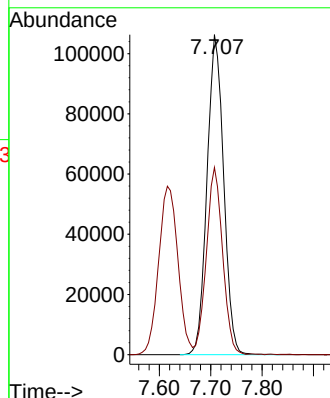
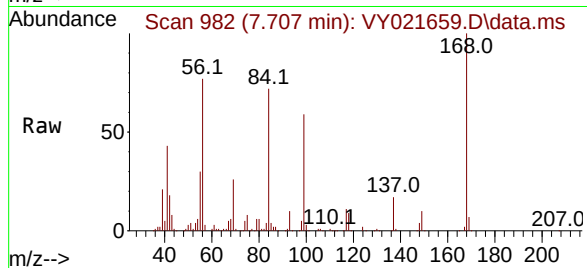
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 238234
Ion Ratio Lower Upper
168 100
99 58.4 46.7 70.1

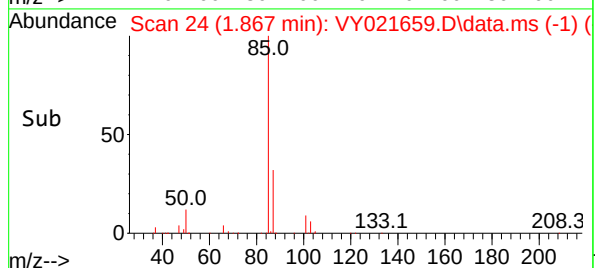
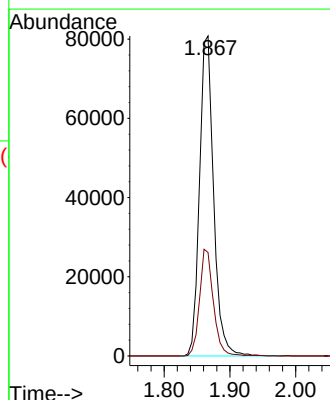
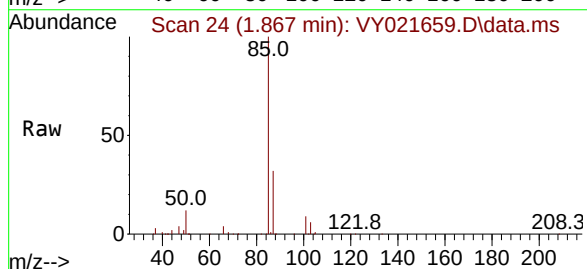
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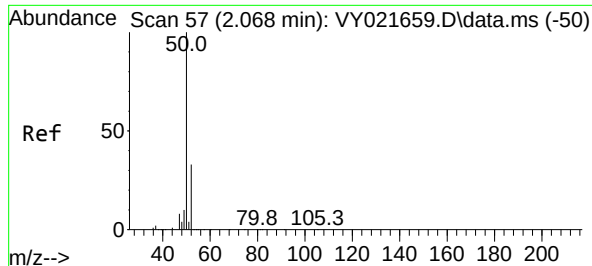
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 48.836 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 85 Resp: 120589
Ion Ratio Lower Upper
85 100
87 32.4 16.2 48.6





#3

Chloromethane

Concen: 47.510 ug/l

RT: 2.068 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 16496

Ion Ratio Lower Upper

50 100

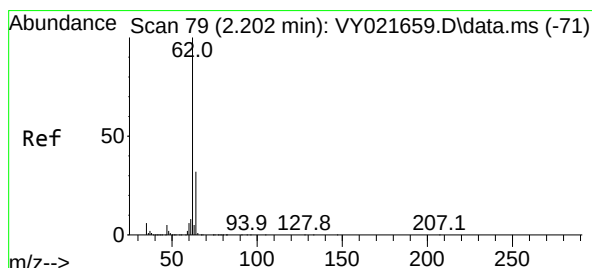
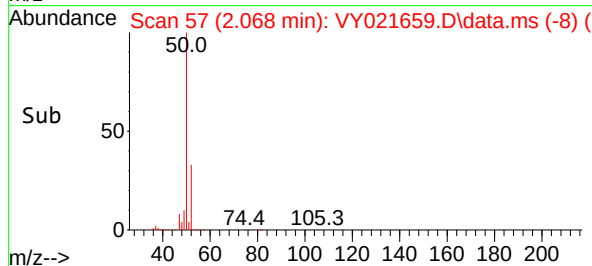
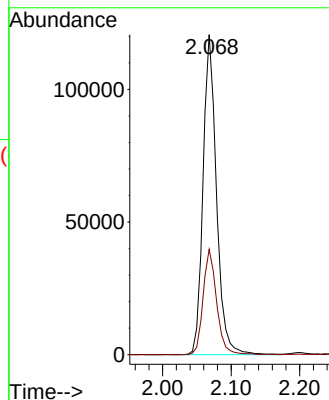
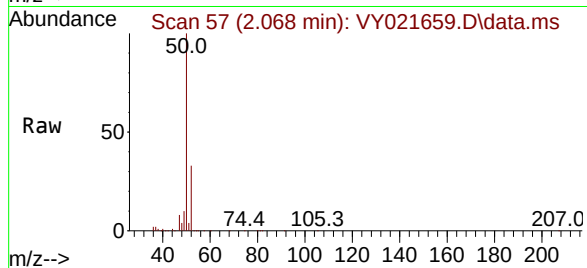
52 32.9 26.3 39.5

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#4

Vinyl Chloride

Concen: 48.513 ug/l

RT: 2.202 min Scan# 79

Delta R.T. 0.000 min

Lab File: VY021659.D

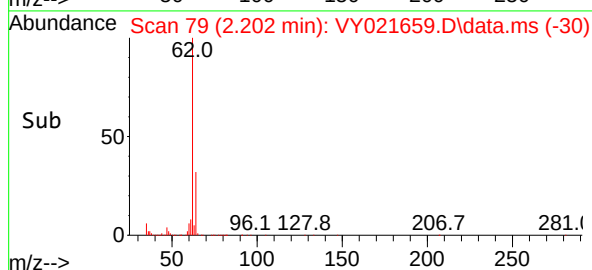
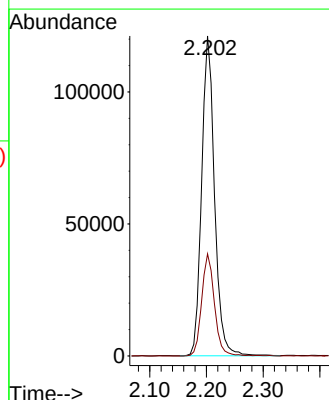
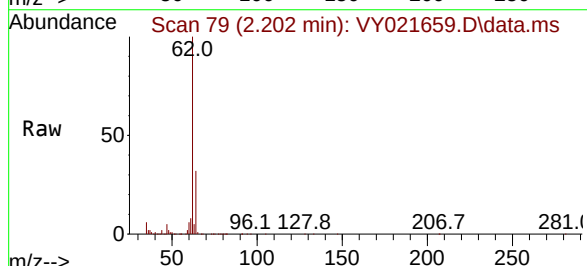
Acq: 27 Mar 2025 11:16

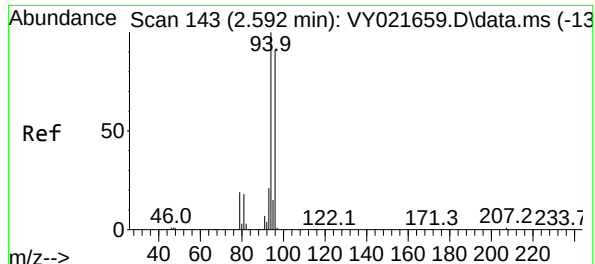
Tgt Ion: 62 Resp: 190491

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





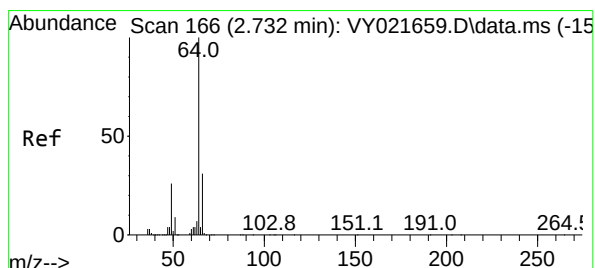
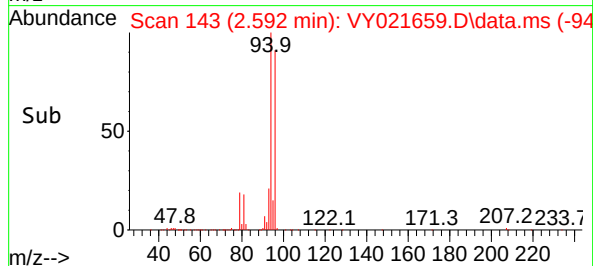
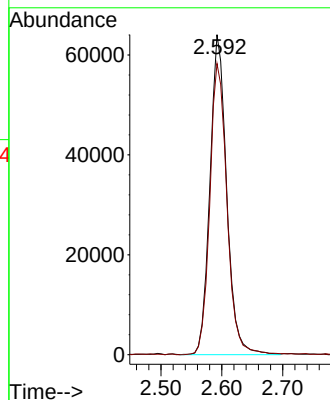
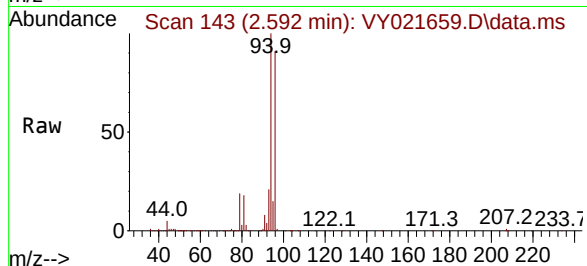
#5
Bromomethane
Concen: 45.662 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 122288
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2

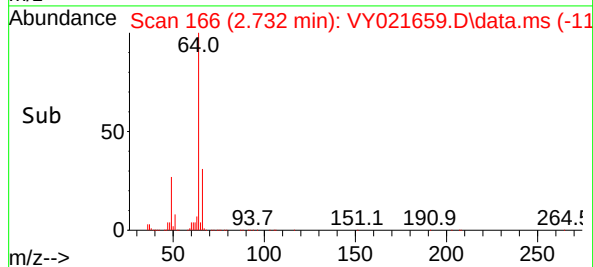
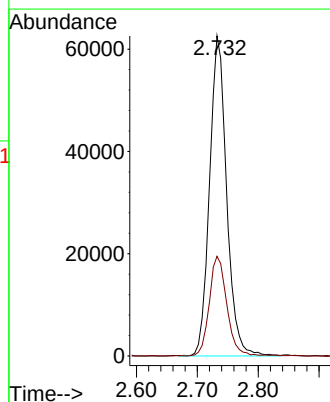
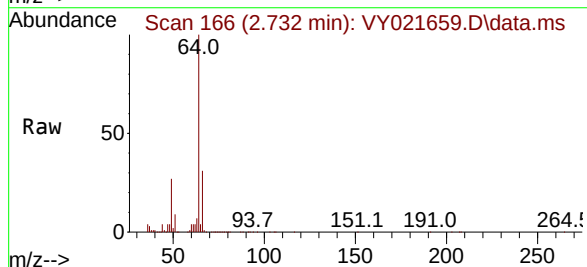
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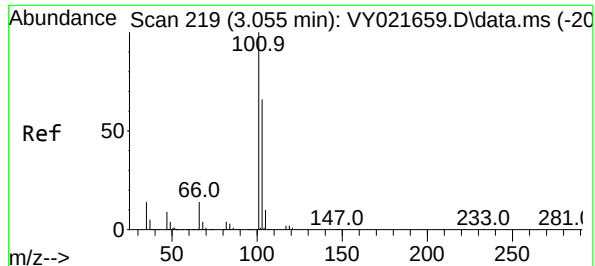
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 47.492 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

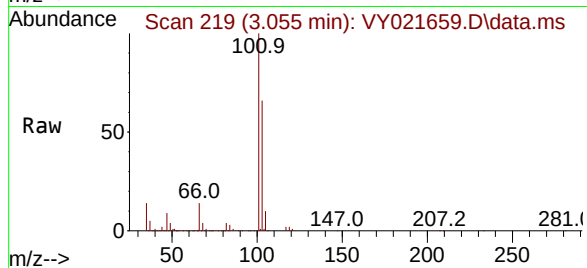
Tgt Ion: 64 Resp: 122027
Ion Ratio Lower Upper
64 100
66 31.1 24.9 37.3





#7
Trichlorofluoromethane
Concen: 47.980 ug/l
RT: 3.055 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

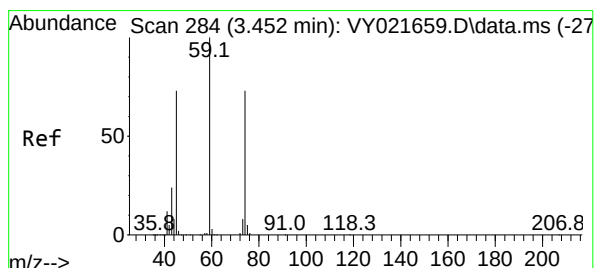
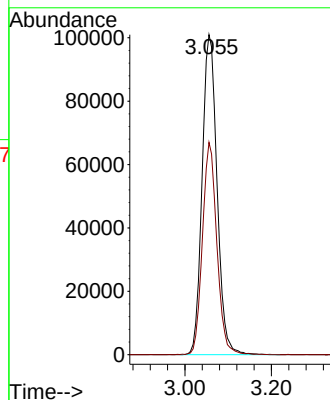
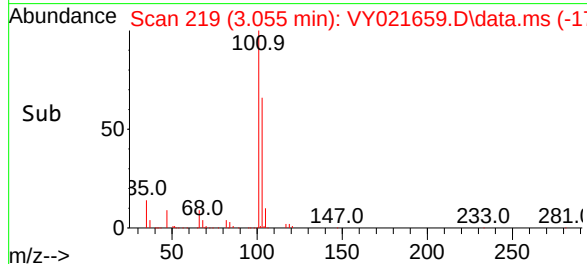
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 241339
Ion Ratio Lower Upper
101 100
103 66.4 53.1 79.7

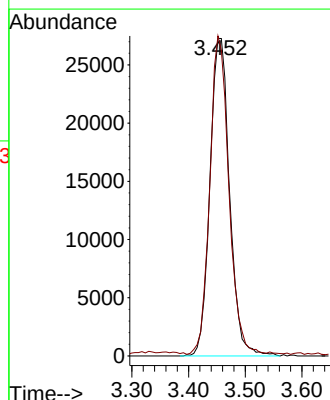
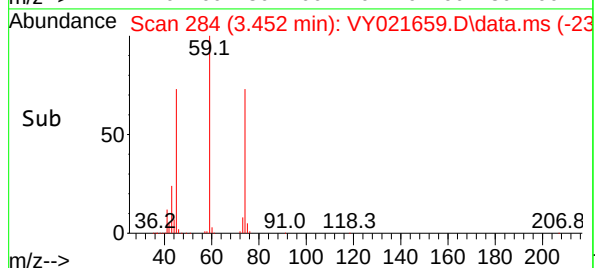
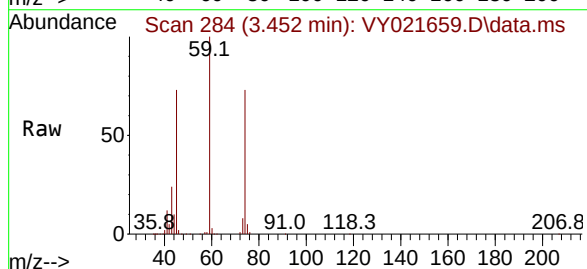
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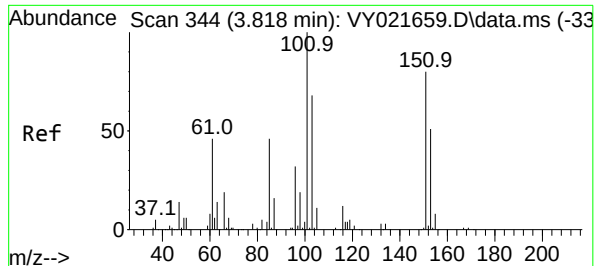
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 47.960 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 74 Resp: 65605
Ion Ratio Lower Upper
74 100
45 97.2 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.159 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 12776

Ion Ratio Lower Upper

101 100

85 45.4 36.3 54.5

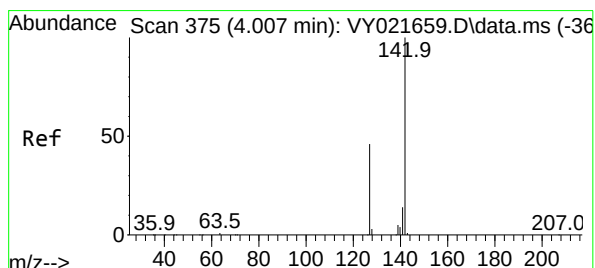
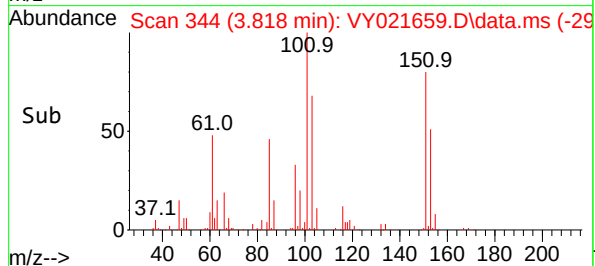
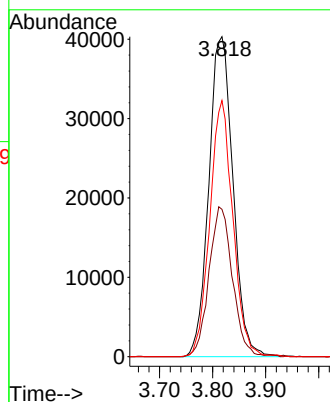
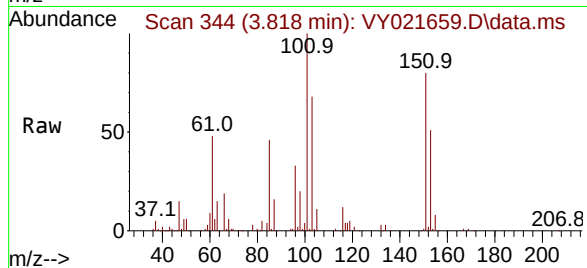
151 76.6 61.3 91.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#10

Methyl Iodide

Concen: 53.639 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

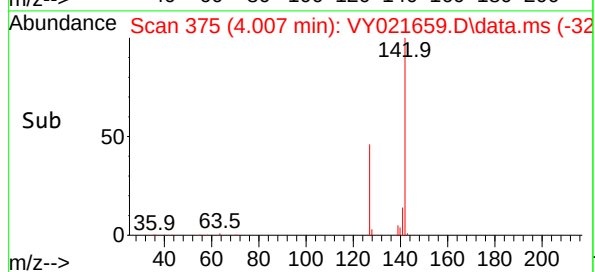
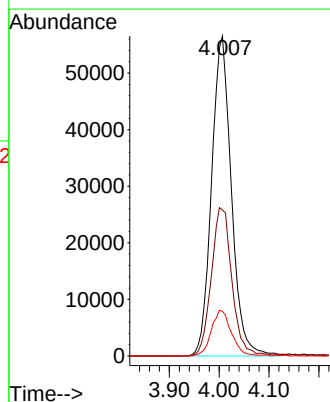
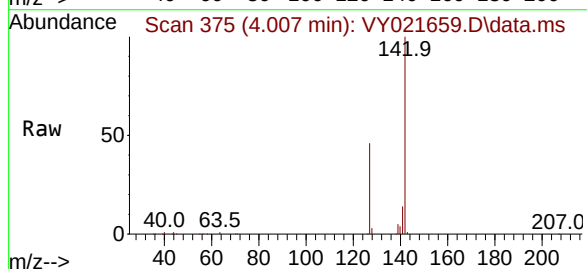
Tgt Ion:142 Resp: 156113

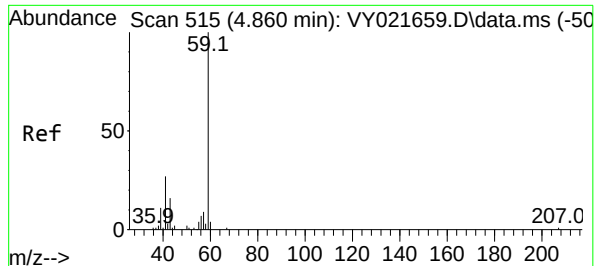
Ion Ratio Lower Upper

142 100

127 48.4 38.7 58.1

141 14.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 240.362 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 40298

Ion Ratio Lower Upper

59 100

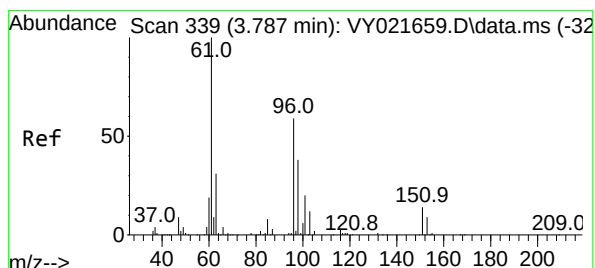
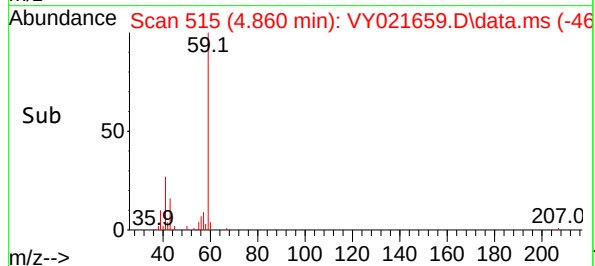
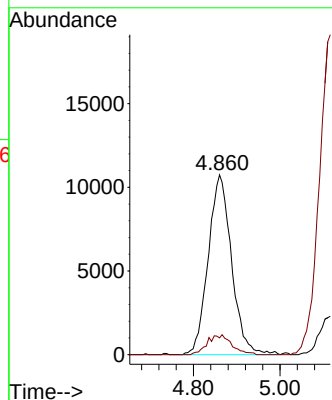
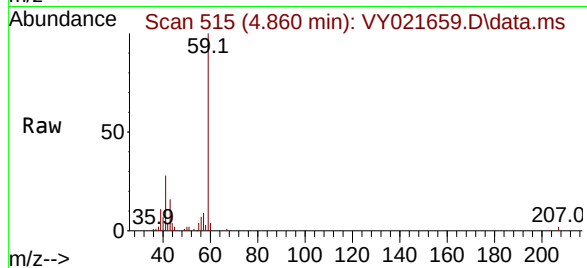
57 11.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 48.991 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

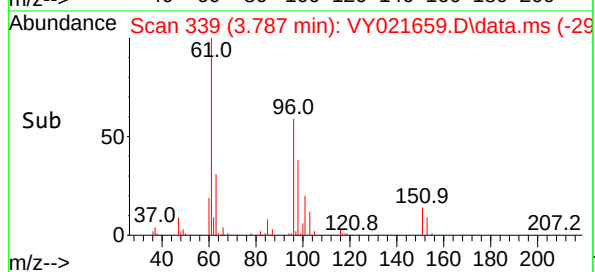
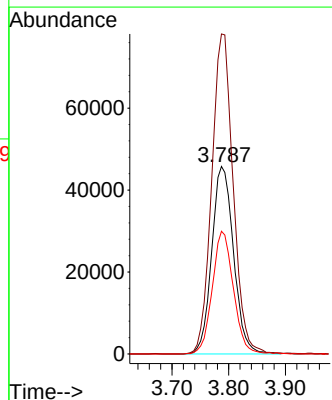
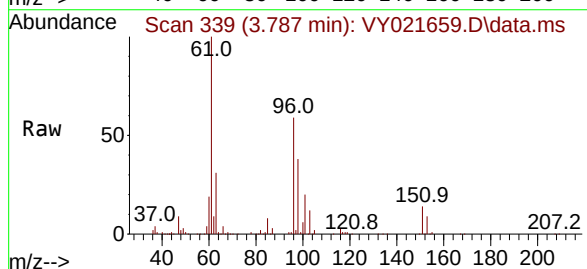
Tgt Ion: 96 Resp: 122422

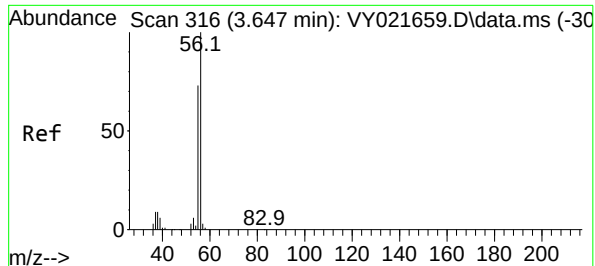
Ion Ratio Lower Upper

96 100

61 170.7 136.6 204.8

98 65.4 52.3 78.5





#13

Acrolein

Concen: 246.189 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 7536

Ion Ratio Lower Upper

56 100

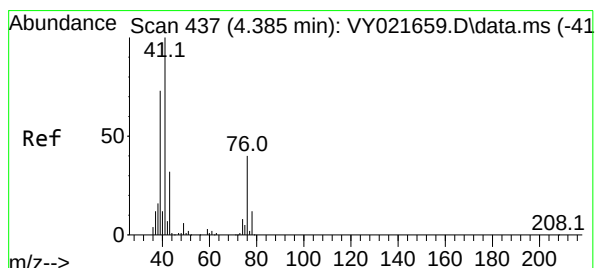
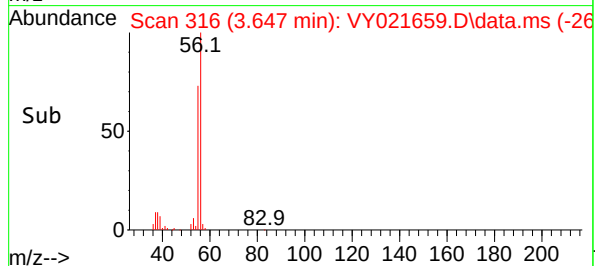
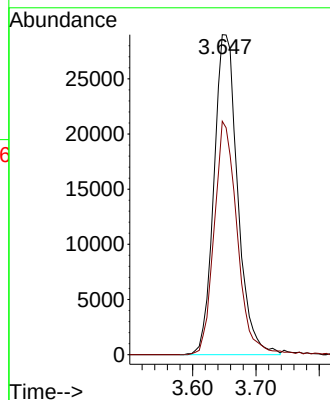
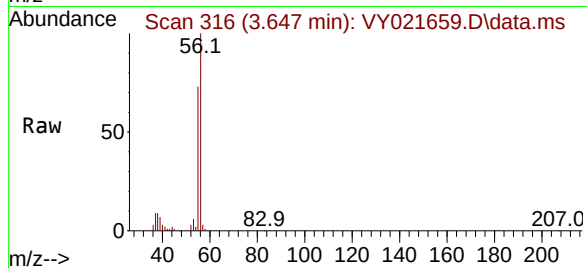
55 70.8 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 50.077 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

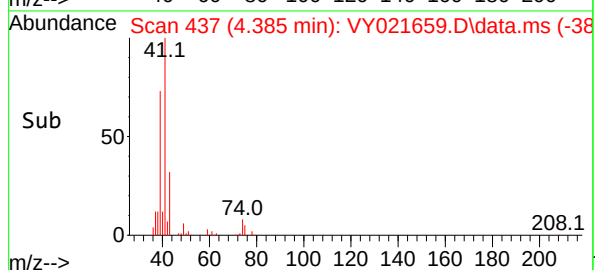
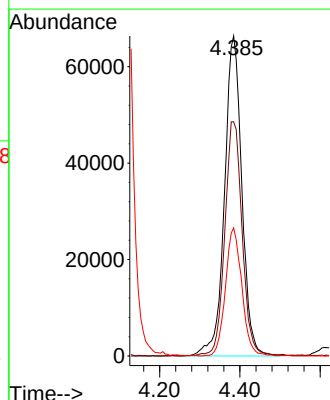
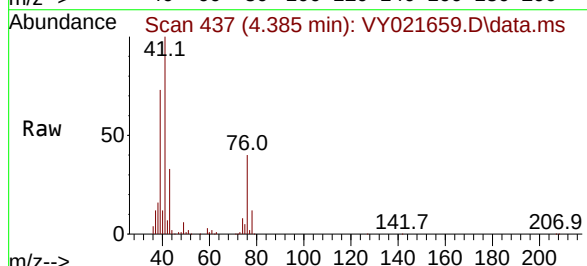
Tgt Ion: 41 Resp: 199515

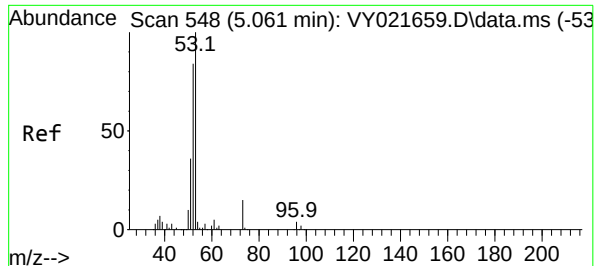
Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 252.430 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

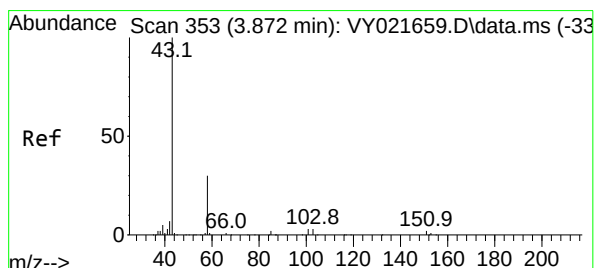
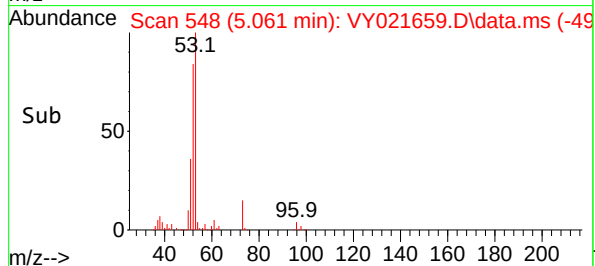
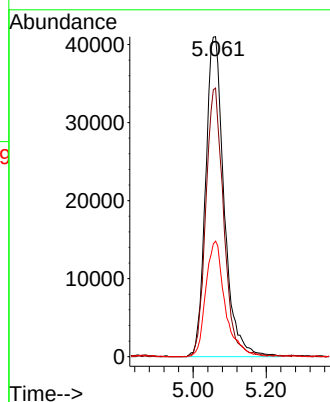
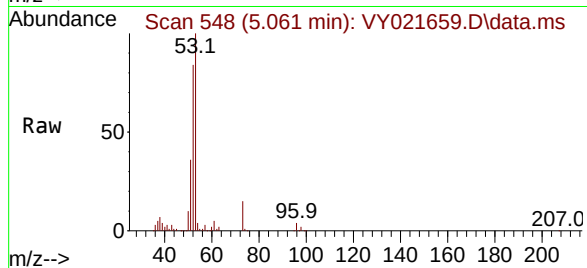
VSTDICCC050

Tgt Ion: 53	Resp: 14417
Ion Ratio	Lower Upper
53	100
52	81.1 64.9 97.3
51	37.7 30.2 45.2

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 241.737 ug/l

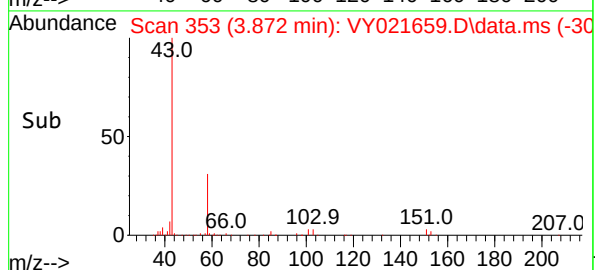
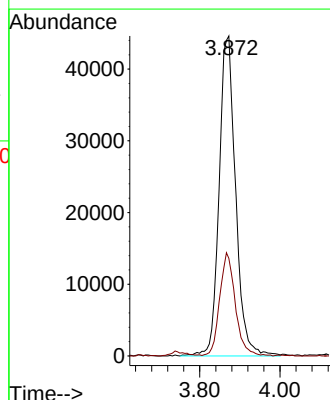
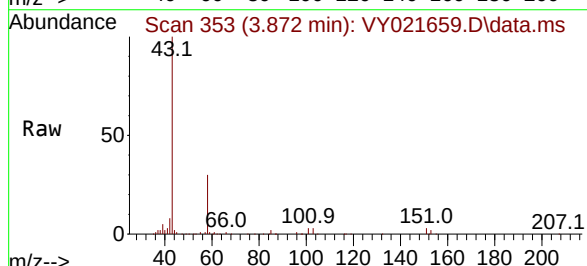
RT: 3.872 min Scan# 353

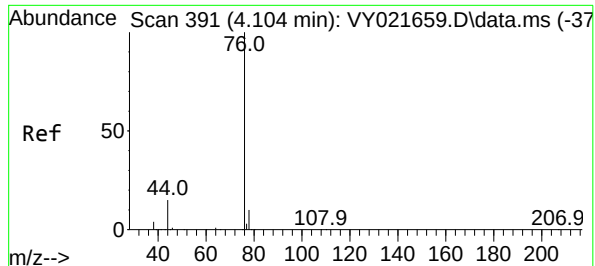
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 43	Resp: 127702
Ion Ratio	Lower Upper
43	100
58	30.3 24.2 36.4





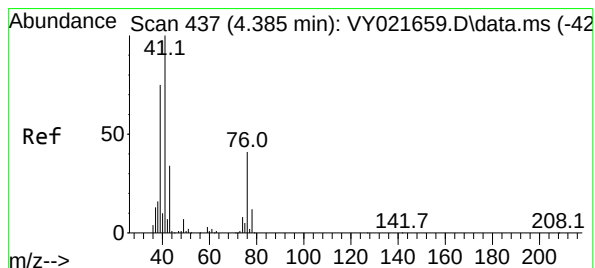
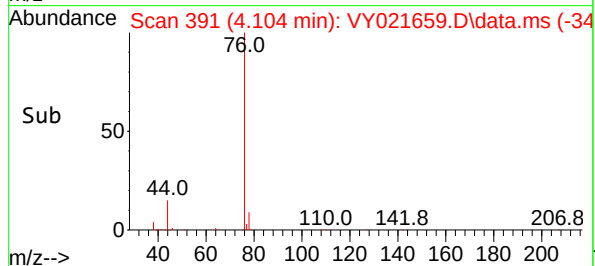
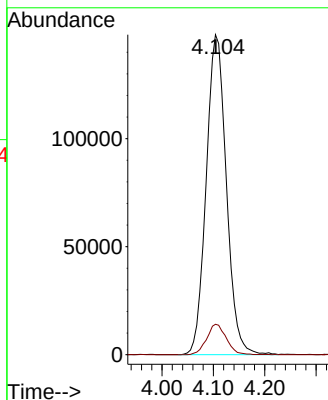
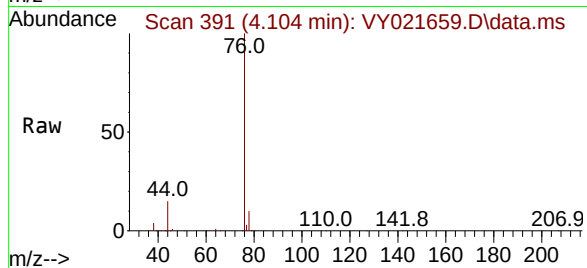
#17
Carbon Disulfide
Concen: 49.101 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 404128
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

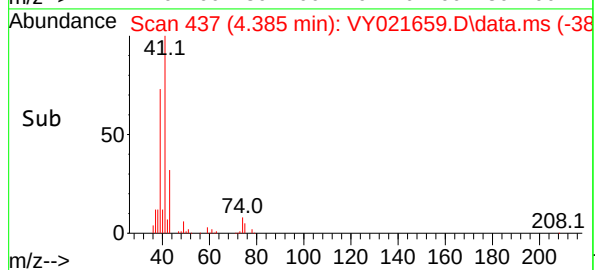
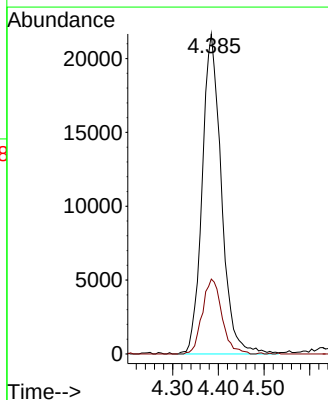
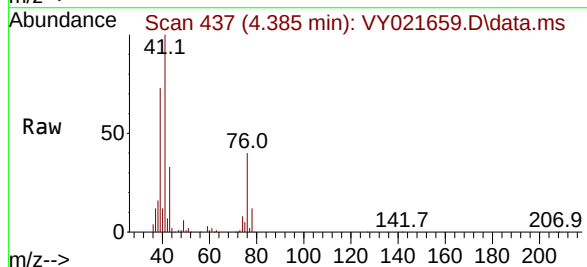
Manual Integrations
APPROVED

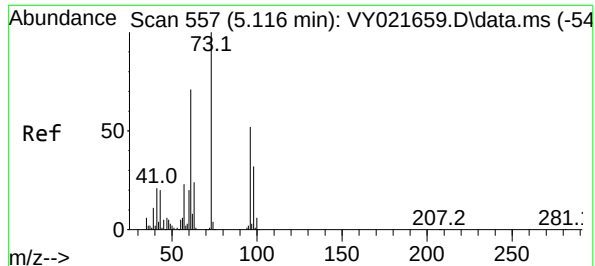
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 48.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 63249
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.742 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 315679

Ion Ratio Lower Upper

73 100

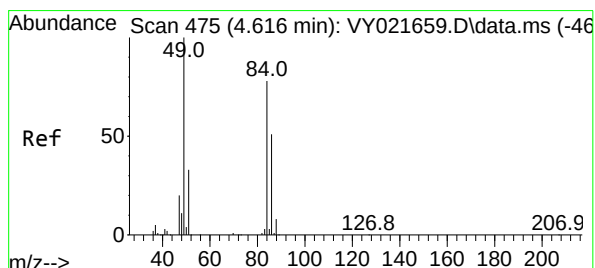
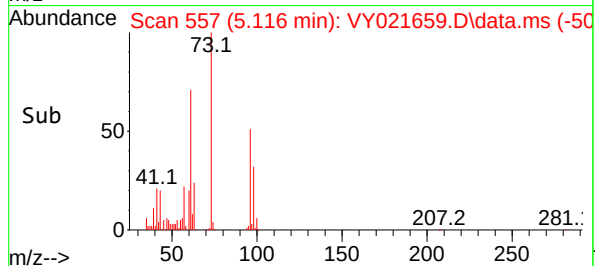
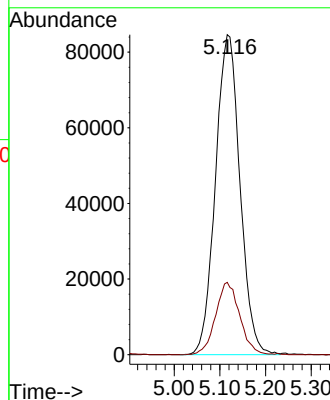
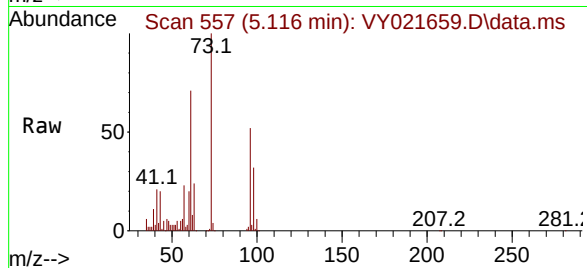
57 22.6 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 52.136 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 84 Resp: 134344

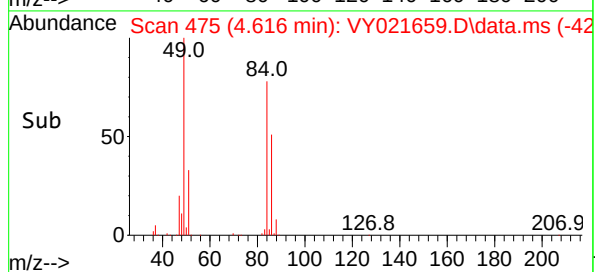
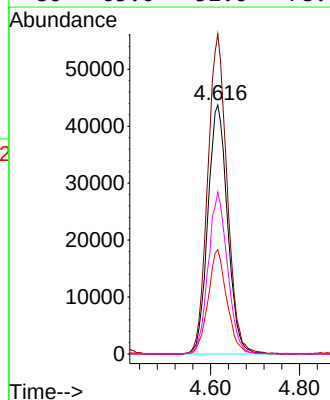
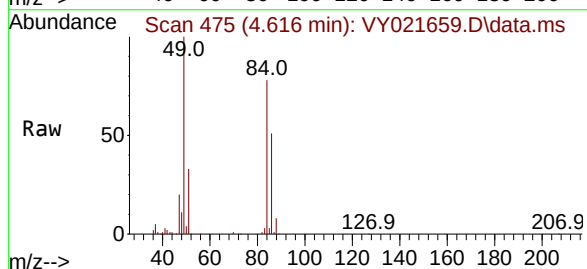
Ion Ratio Lower Upper

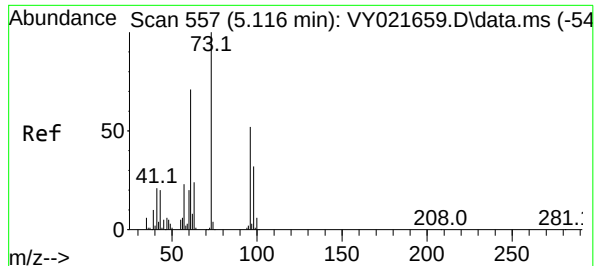
84 100

49 128.5 102.8 154.2

51 41.9 33.5 50.3

86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 49.108 ug/l

RT: 5.116 min Scan# 511

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 13511

Ion Ratio Lower Upper

96 100

61 136.7 109.4 164.0

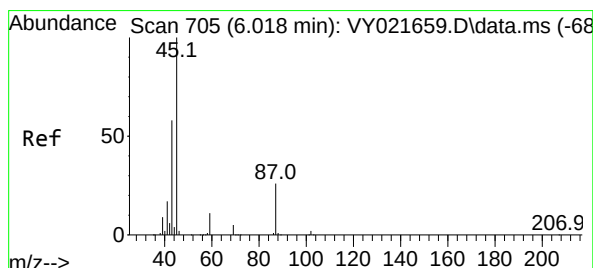
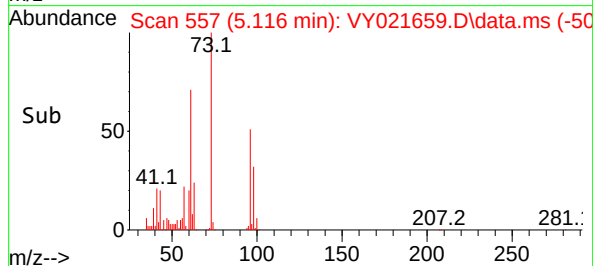
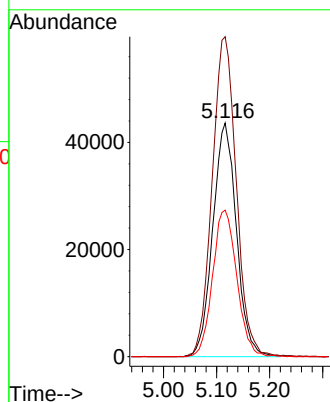
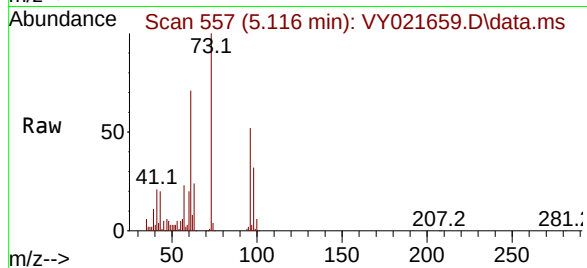
98 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 51.315 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 45 Resp: 428881

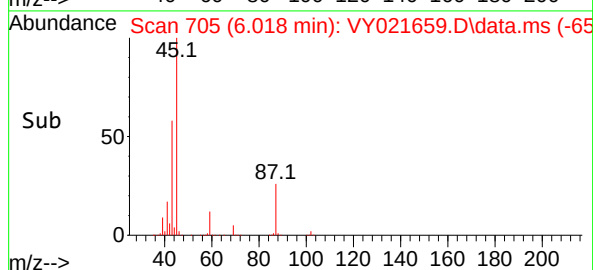
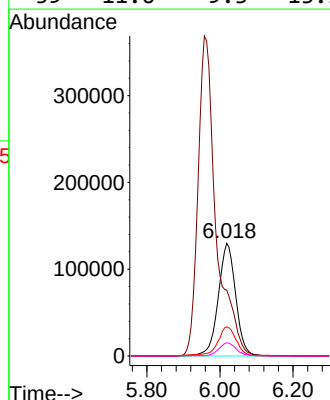
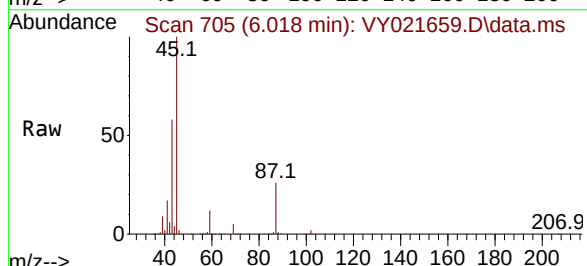
Ion Ratio Lower Upper

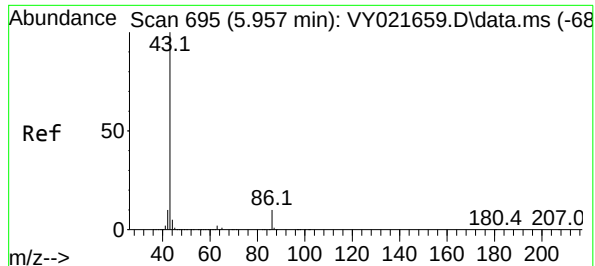
45 100

43 58.2 46.6 69.8

87 25.9 20.7 31.1

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 259.718 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 126985

Ion Ratio Lower Upper

43

100

86

10.2

8.2

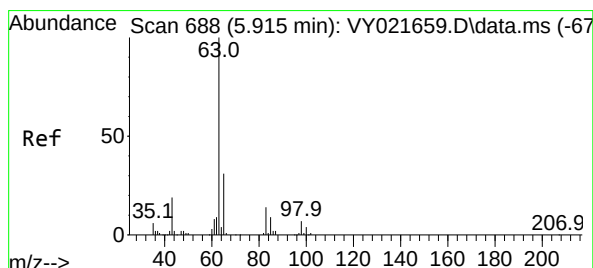
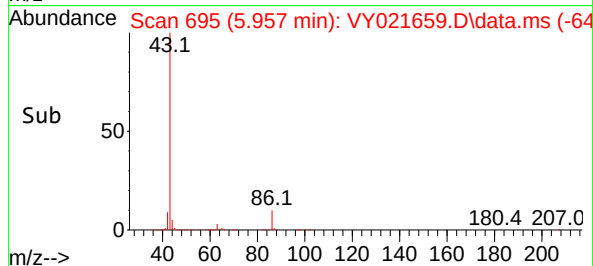
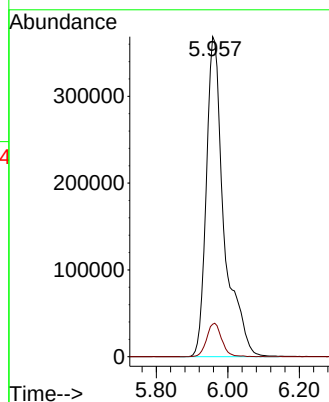
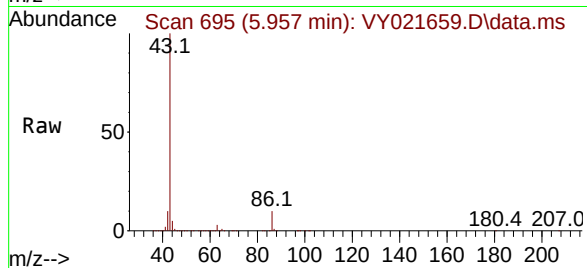
12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 49.589 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 247826

Ion Ratio Lower Upper

63

100

98

7.0

3.5

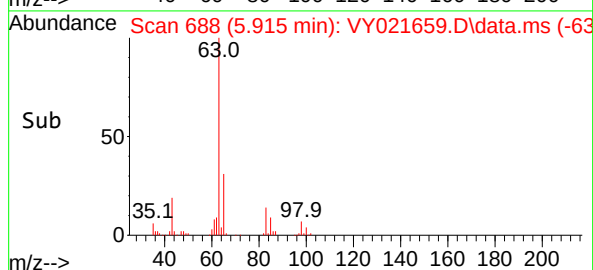
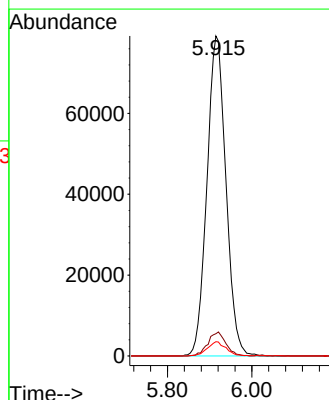
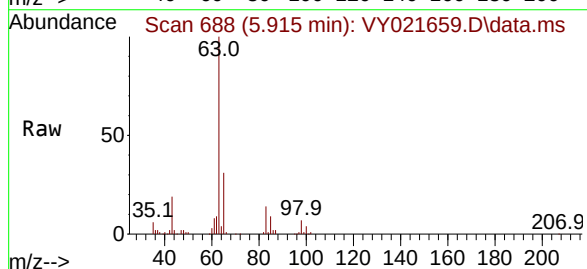
10.5

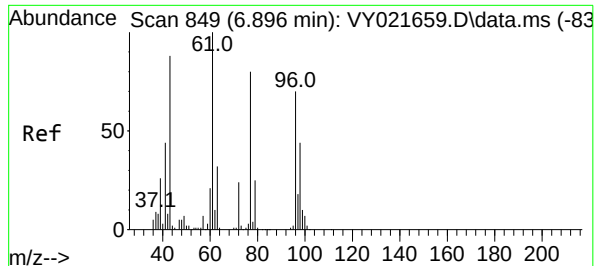
100

4.4

2.2

6.6





#25

2-Butanone

Concen: 251.037 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 189410

Ion Ratio Lower Upper

43 100

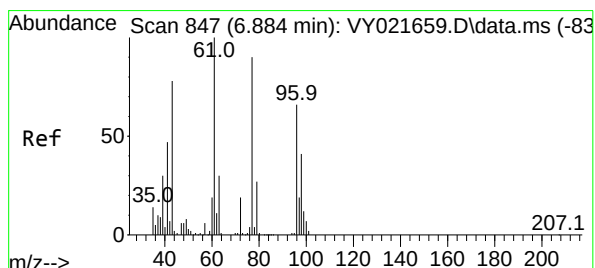
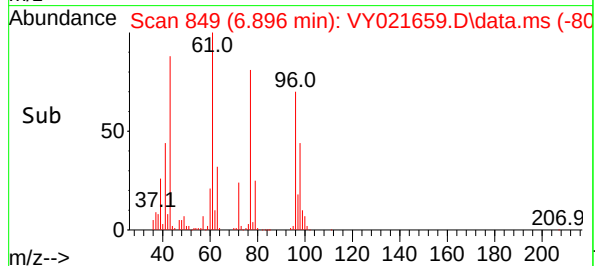
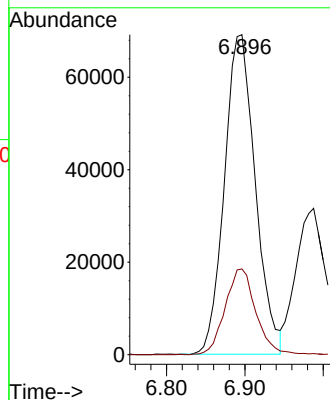
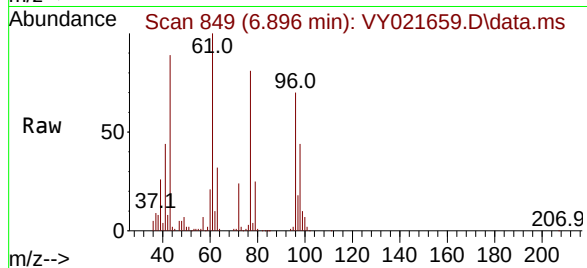
72 26.8 21.4 32.2

Manual Integrations

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Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 49.293 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021659.D

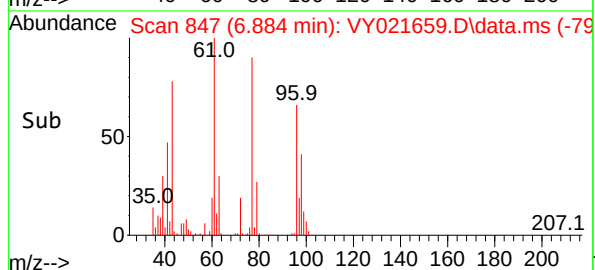
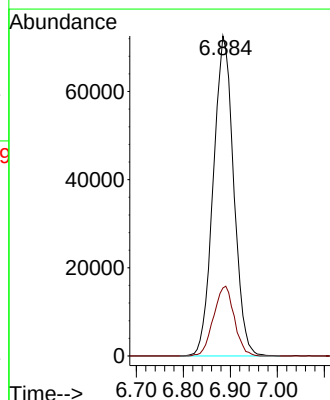
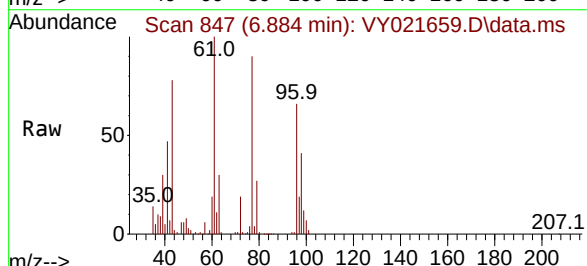
Acq: 27 Mar 2025 11:16

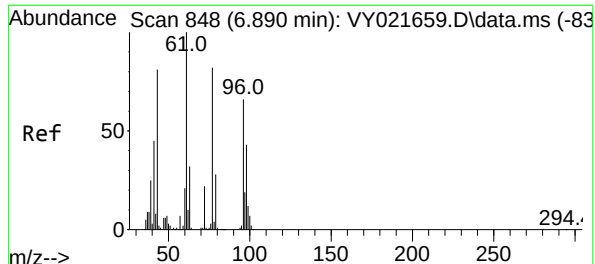
Tgt Ion: 77 Resp: 219131

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.214 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 15536

Ion Ratio Lower Upper

96 100

61 148.2 0.0 296.4

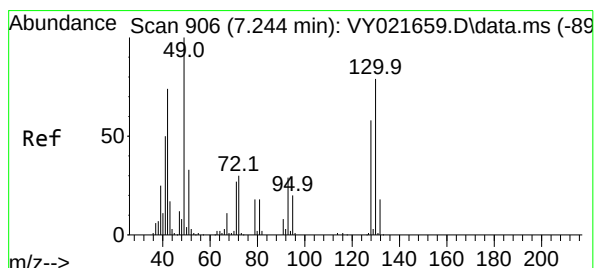
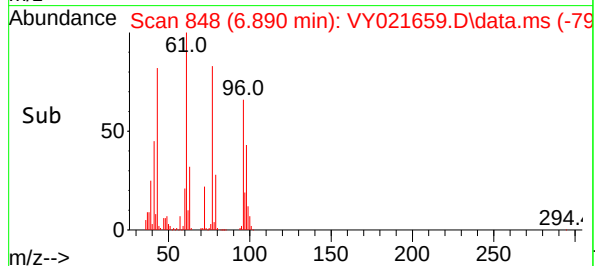
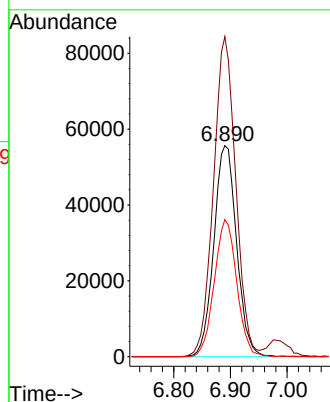
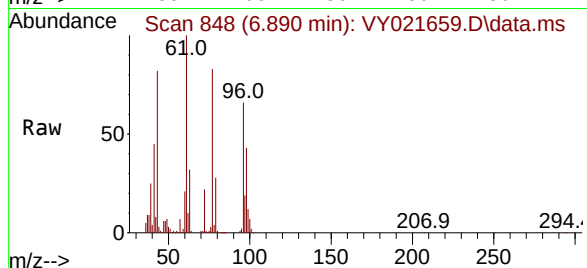
98 64.0 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 48.116 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

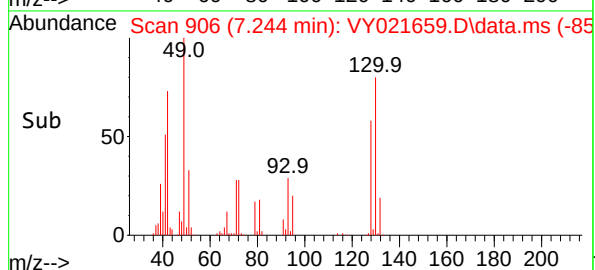
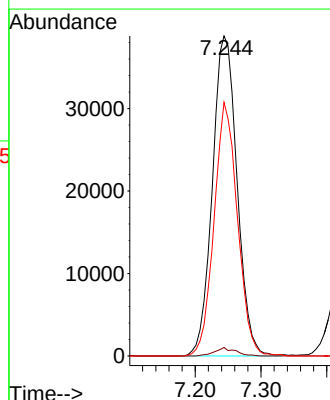
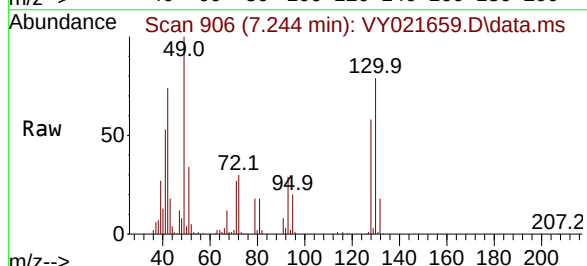
Tgt Ion: 49 Resp: 101413

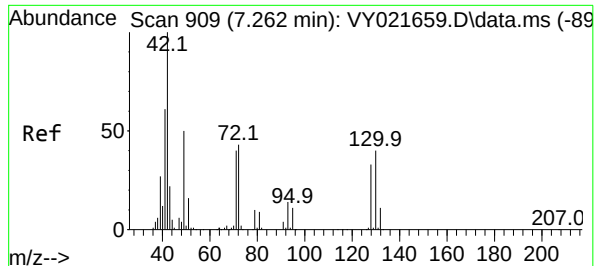
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 75.1 60.1 90.1





#29

Tetrahydrofuran

Concen: 258.206 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 12538

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

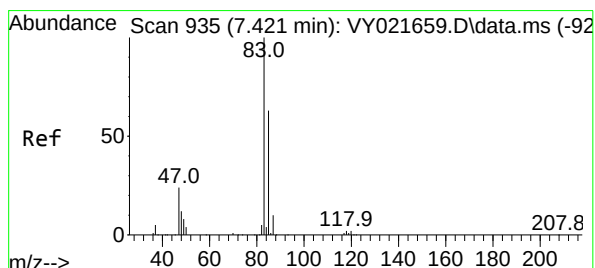
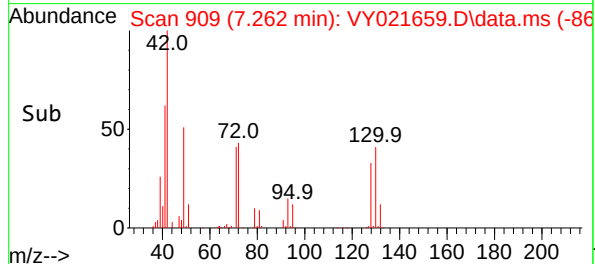
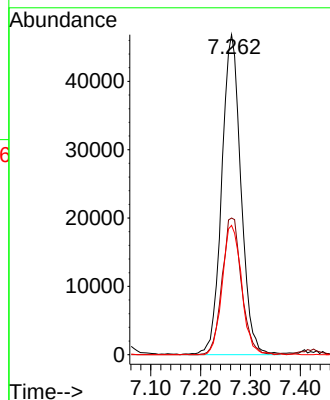
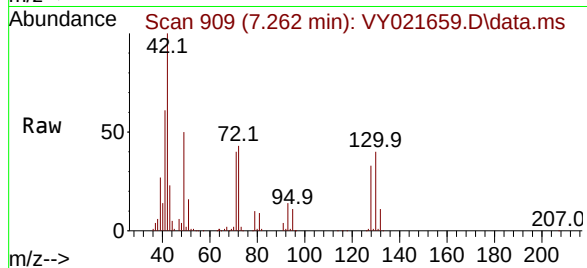
71 40.6 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 49.541 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021659.D

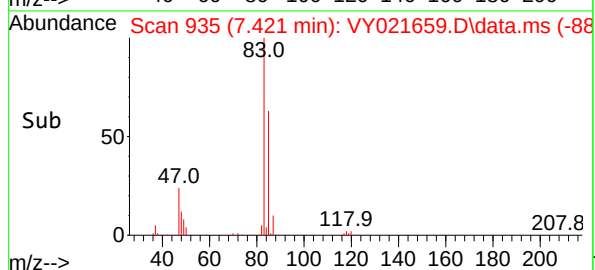
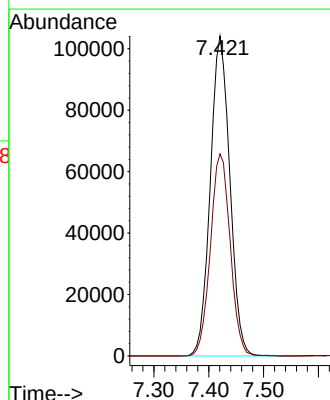
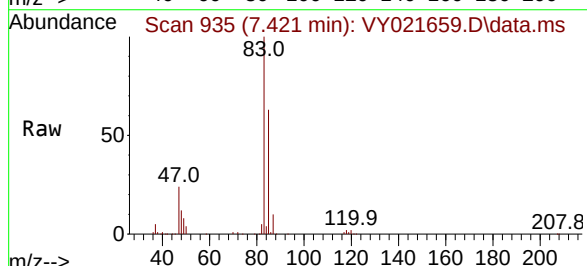
Acq: 27 Mar 2025 11:16

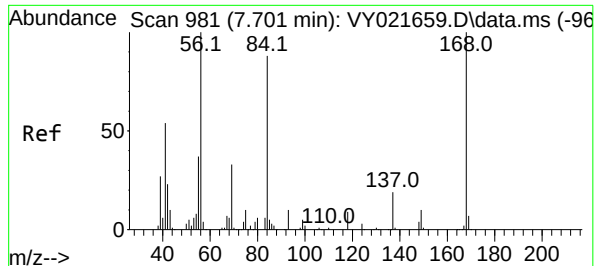
Tgt Ion: 83 Resp: 257511

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8





#31

Cyclohexane

Concen: 48.004 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 218689

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

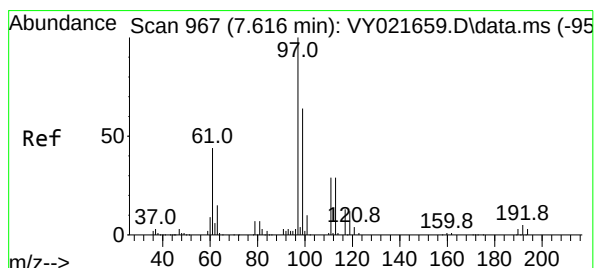
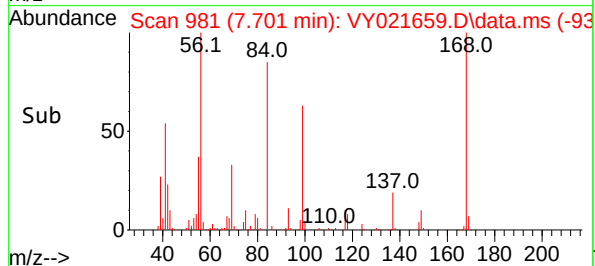
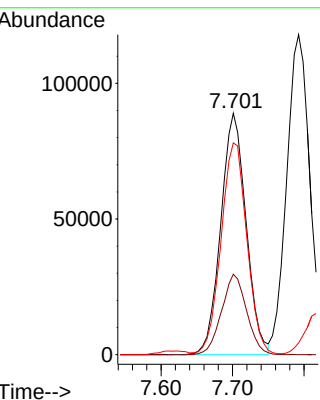
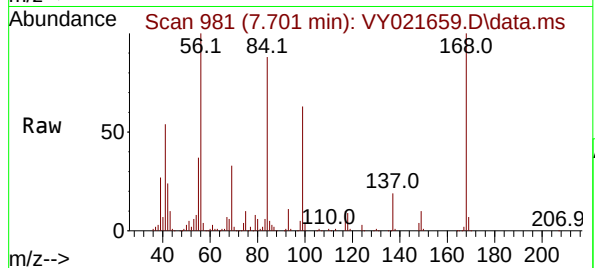
84 86.2 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 49.051 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

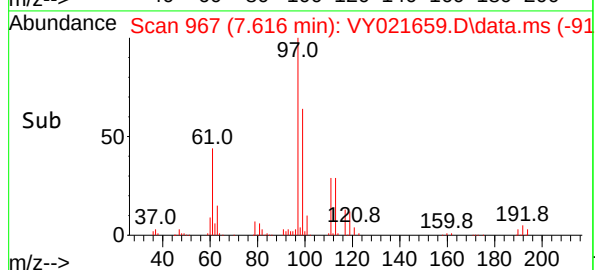
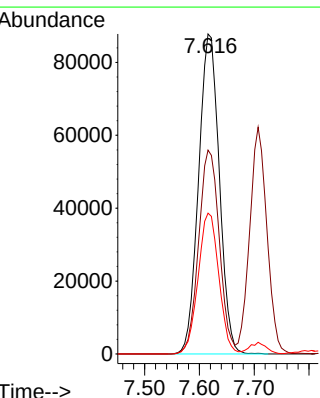
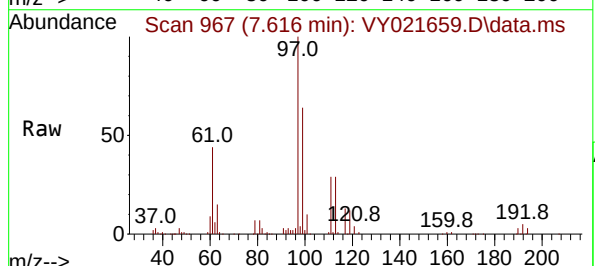
Tgt Ion: 97 Resp: 230441

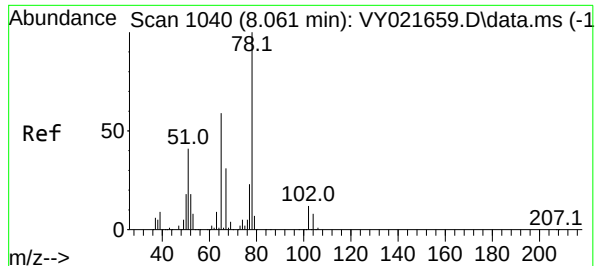
Ion Ratio Lower Upper

97 100

99 63.4 50.7 76.1

61 44.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.552 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 130485

Ion Ratio Lower Upper

65 100

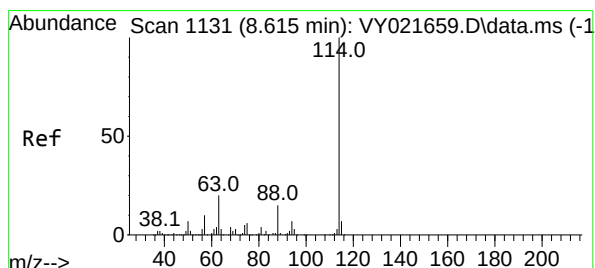
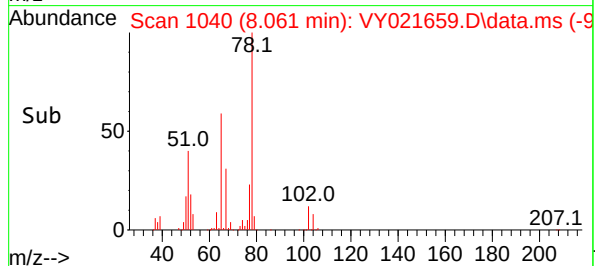
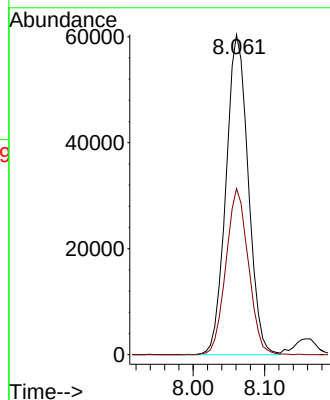
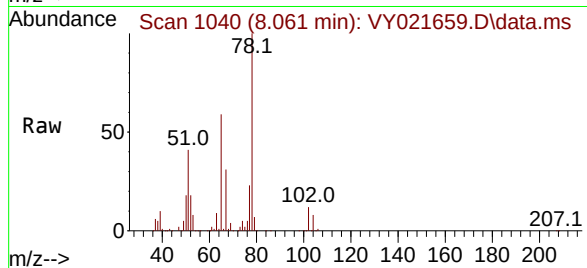
67 52.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

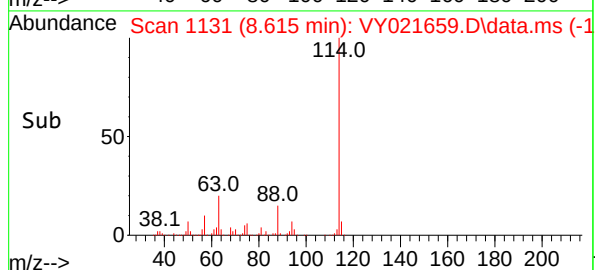
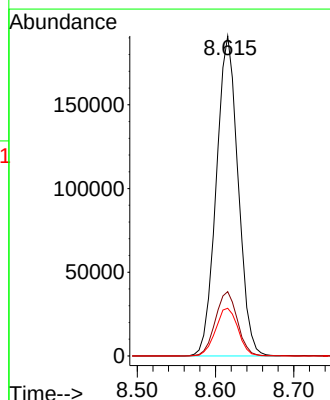
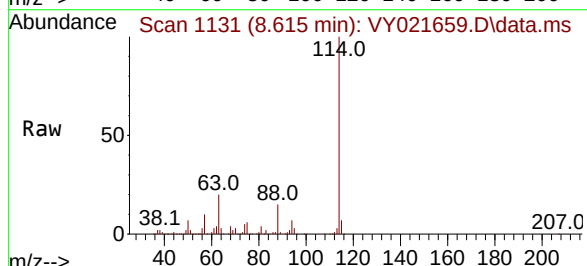
Tgt Ion:114 Resp: 369963

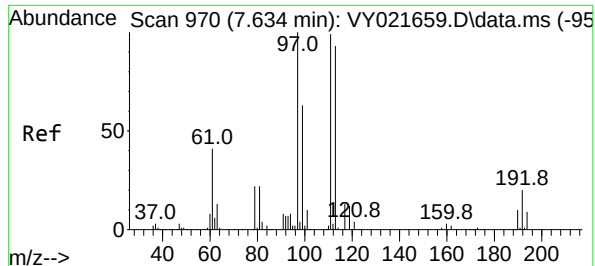
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.259 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 12541

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

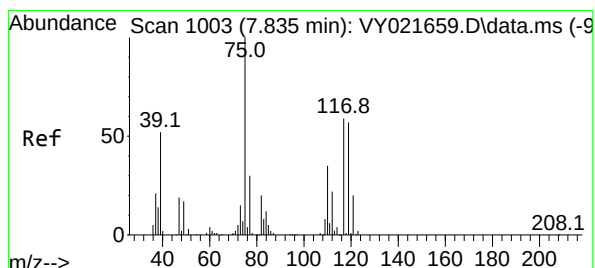
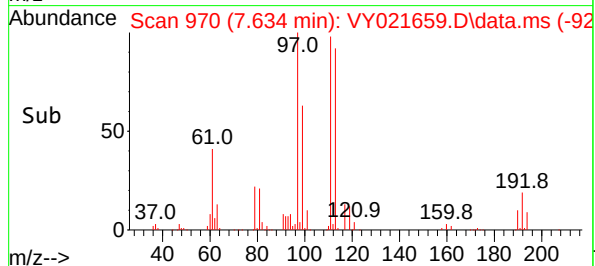
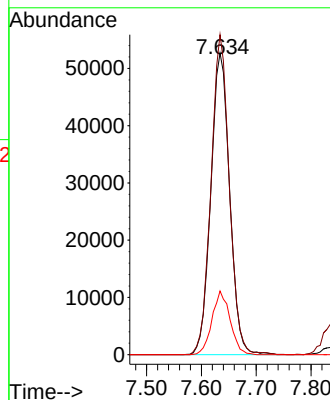
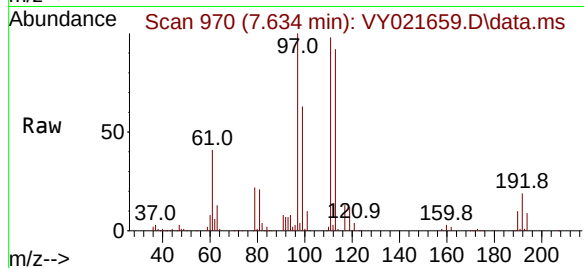
192 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 50.763 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

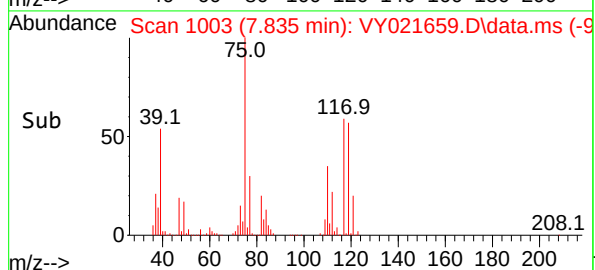
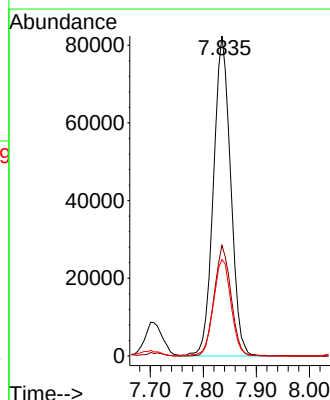
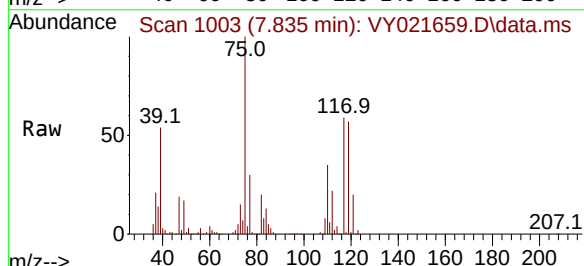
Tgt Ion: 75 Resp: 185559

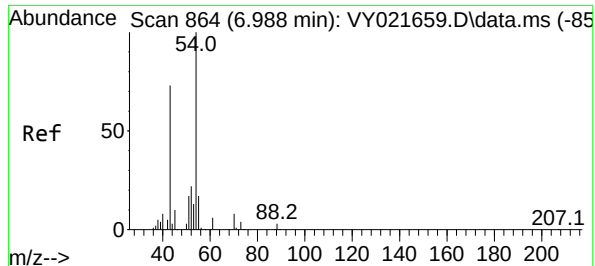
Ion Ratio Lower Upper

75 100

110 33.9 17.0 50.9

77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 50.617 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

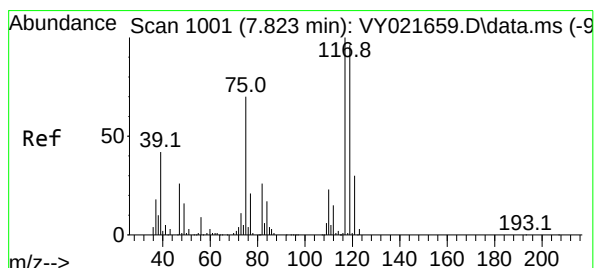
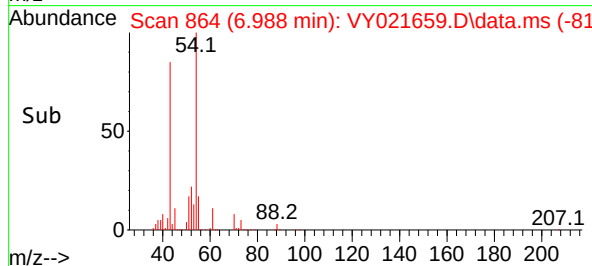
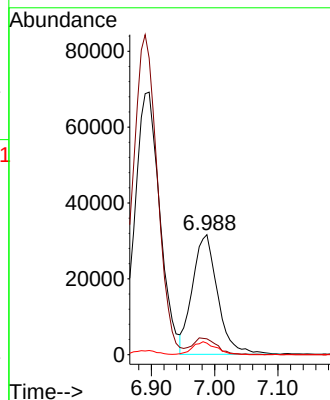
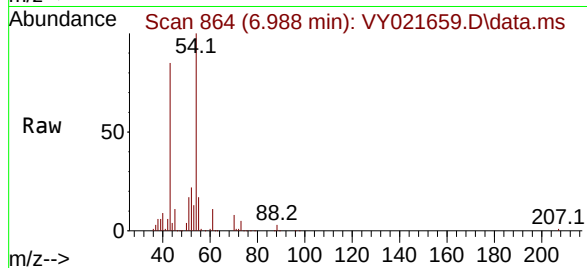
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	8732
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.1	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 49.810 ug/l

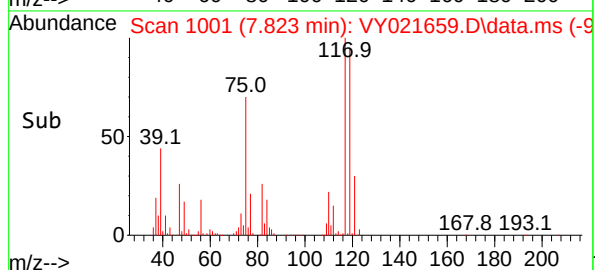
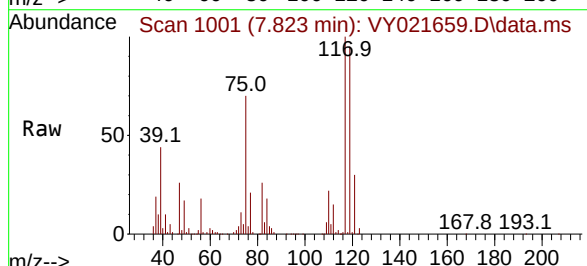
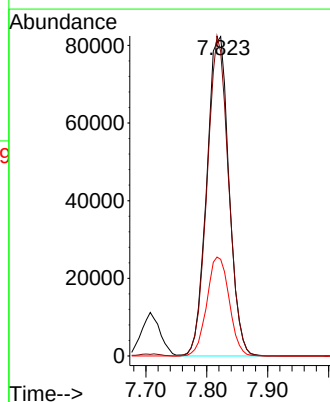
RT: 7.823 min Scan# 1001

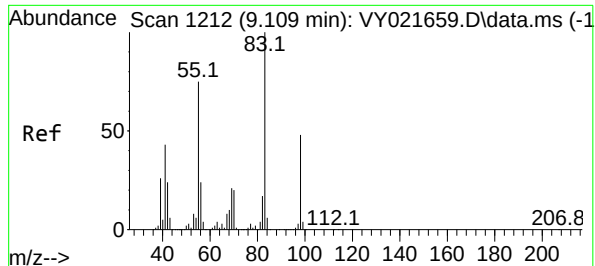
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	117	Resp:	208537
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.3	24.2	36.4





#39

Methylcyclohexane

Concen: 52.472 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

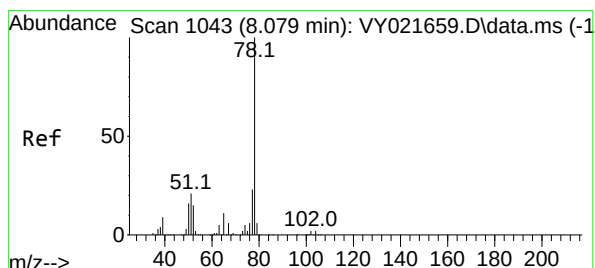
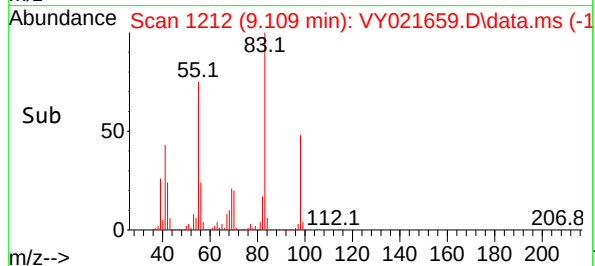
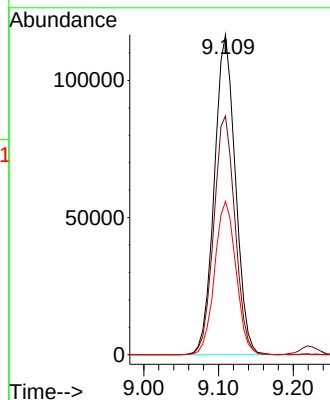
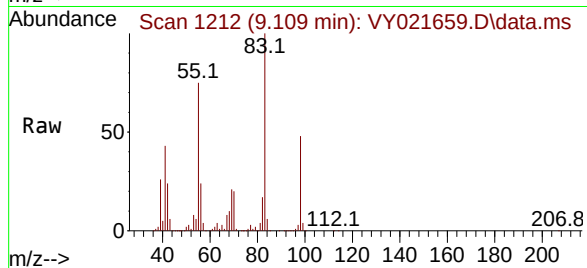
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	229134
Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.7	89.5
98	47.9	38.3	57.5

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 50.649 ug/l

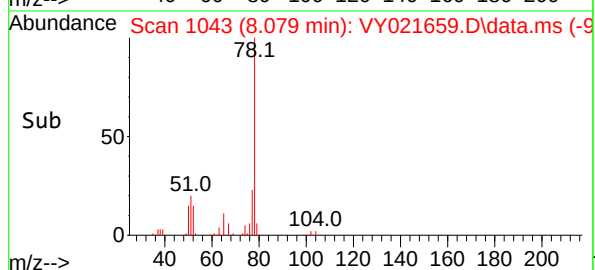
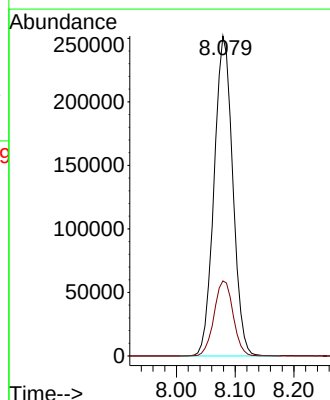
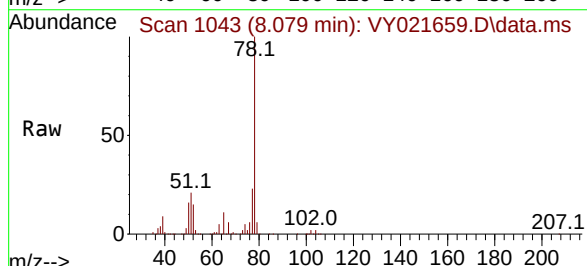
RT: 8.079 min Scan# 1043

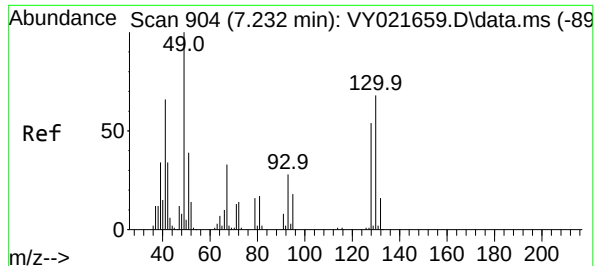
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	78	Resp:	554462
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 55.298 ug/l m

RT: 7.232 min Scan# 904

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

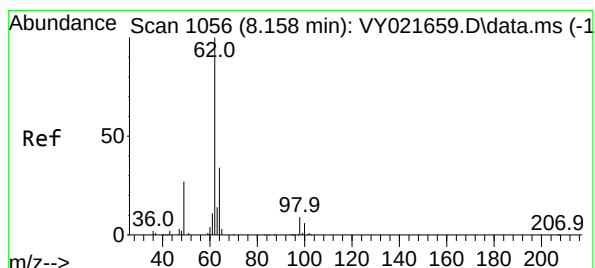
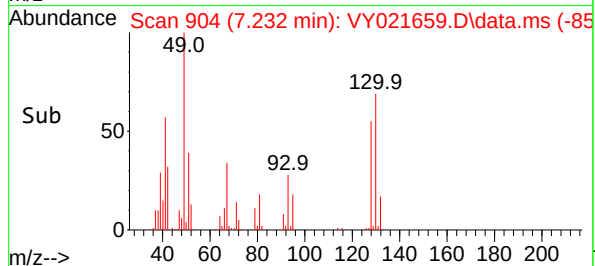
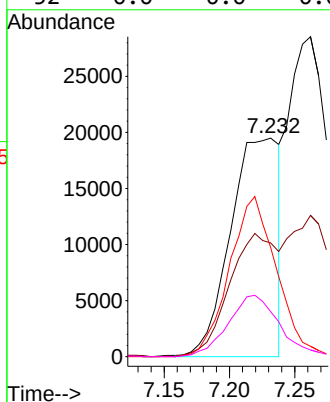
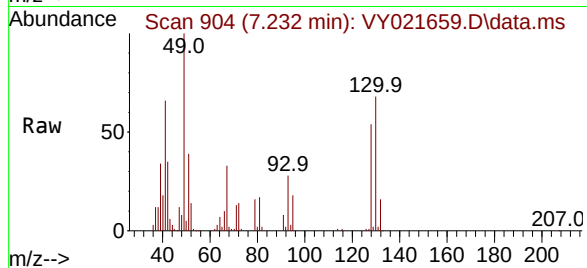
Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 41	Resp: 50658
Ion Ratio	Lower Upper
41 100	
39 0.0	0.0 0.0
67 0.0	0.0 0.0
52 0.0	0.0 0.0

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#42

1,2-Dichloroethane

Concen: 50.343 ug/l

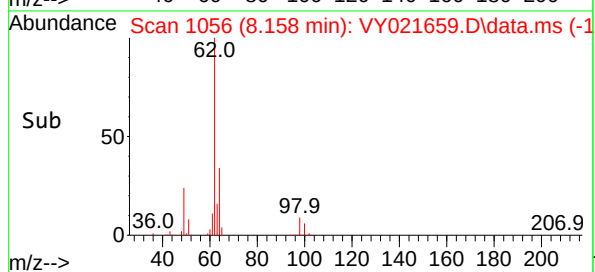
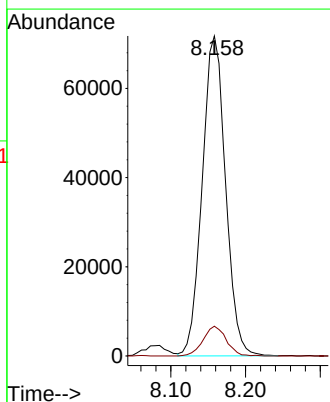
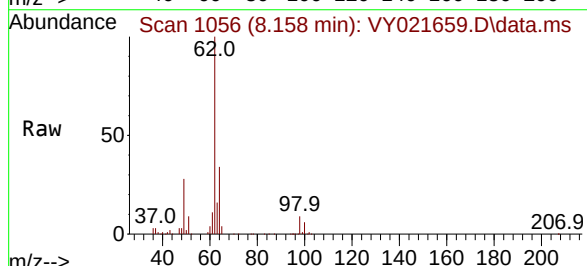
RT: 8.158 min Scan# 1056

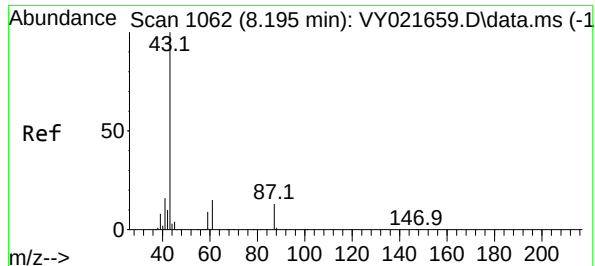
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 62	Resp: 155365
Ion Ratio	Lower Upper
62 100	
98 9.2	0.0 18.4





#43

Isopropyl Acetate

Concen: 51.076 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

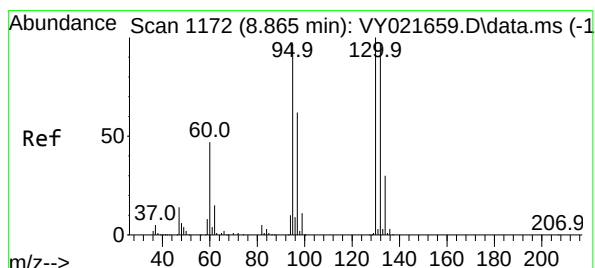
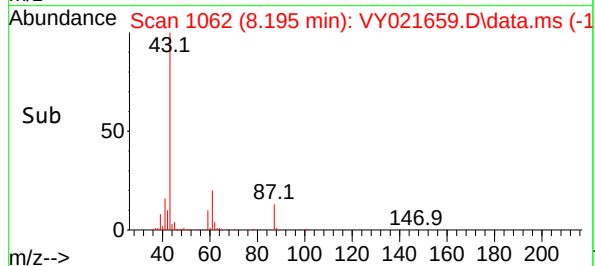
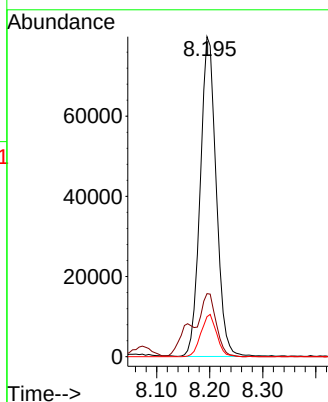
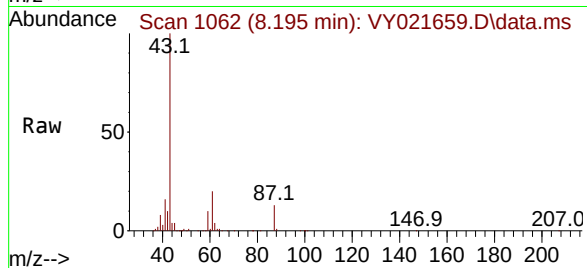
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	16698
Ion Ratio	Lower	Upper	
43	100		
61	19.9	15.9	23.9
87	13.0	10.4	15.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 49.637 ug/l

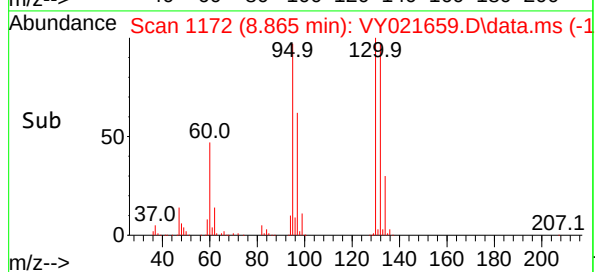
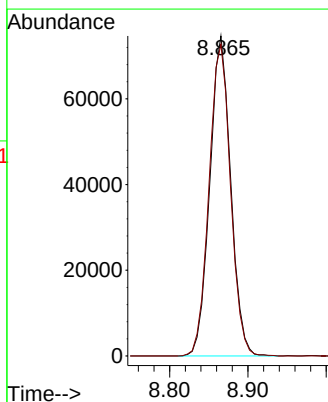
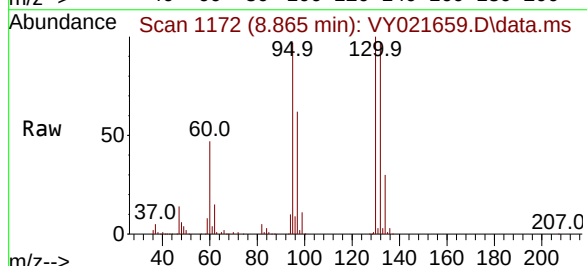
RT: 8.865 min Scan# 1172

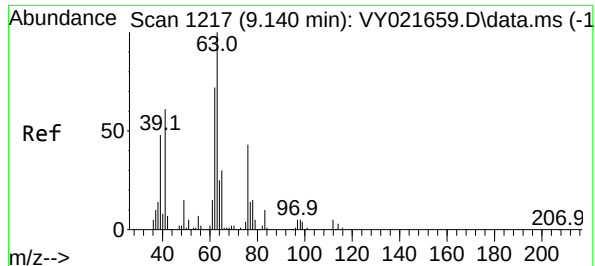
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	130	Resp:	138449
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	194.8





#45

1,2-Dichloropropane

Concen: 50.395 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 130580

Ion Ratio Lower Upper

63 100

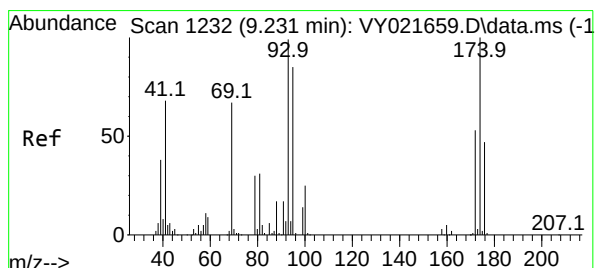
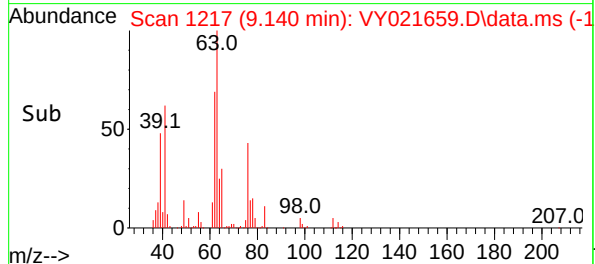
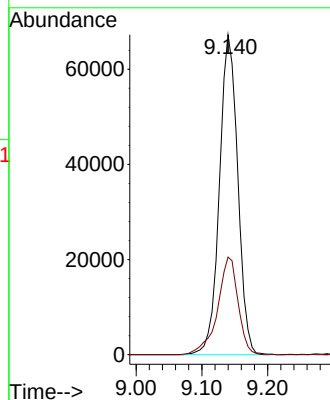
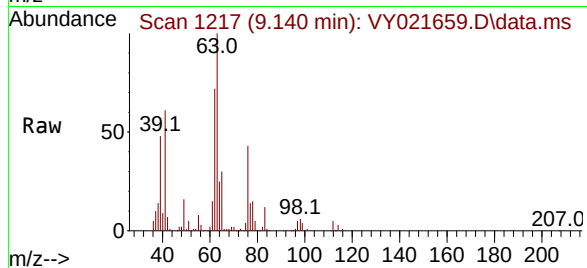
65 30.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 49.174 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

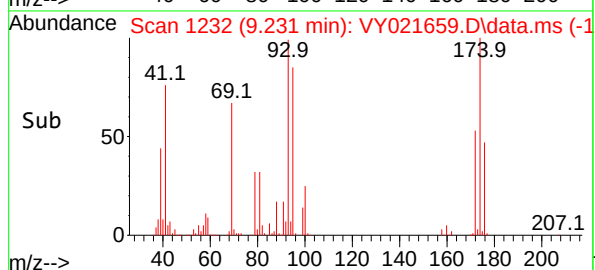
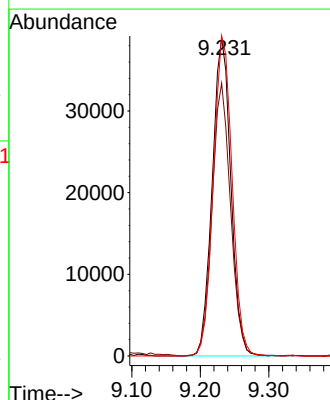
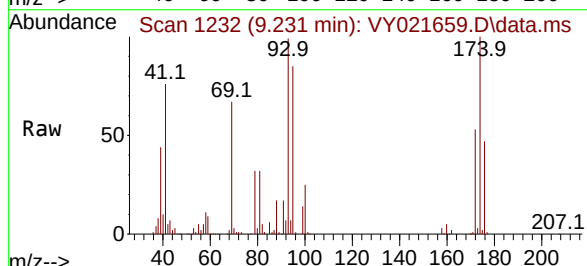
Tgt Ion: 93 Resp: 73435

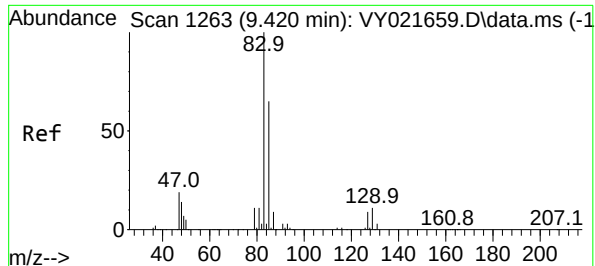
Ion Ratio Lower Upper

93 100

95 85.1 68.1 102.1

174 101.1 80.9 121.3





#47

Bromodichloromethane

Concen: 50.237 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

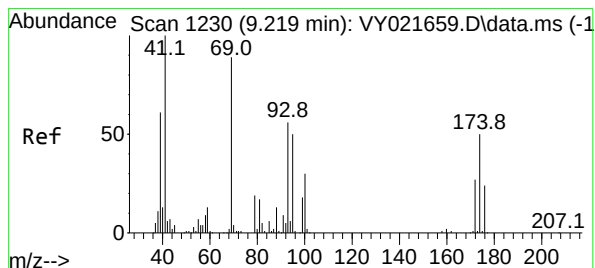
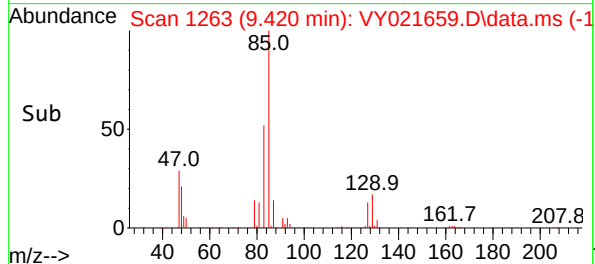
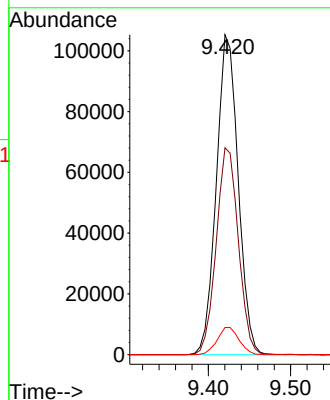
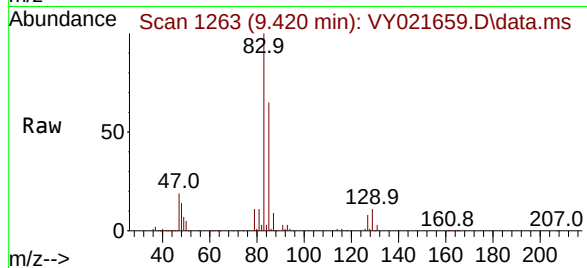
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	19439
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 51.902 ug/l

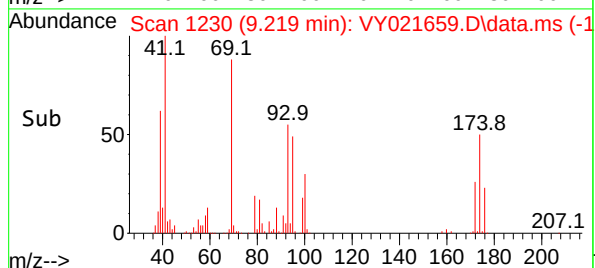
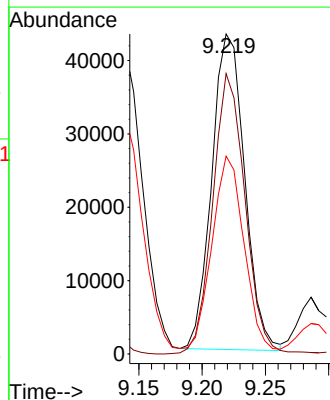
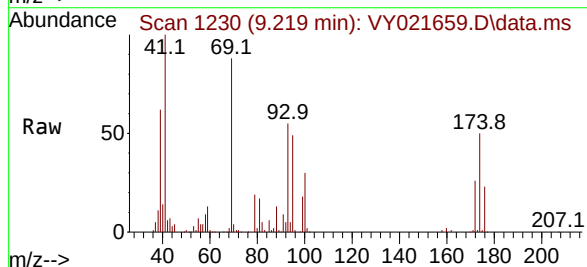
RT: 9.219 min Scan# 1230

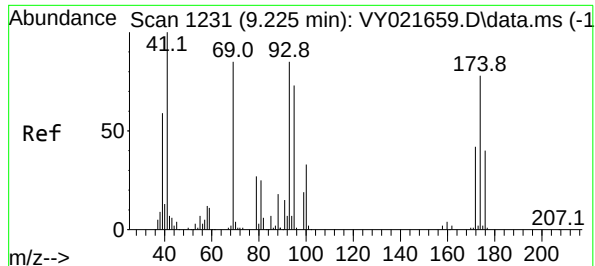
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	41	Resp:	77877
Ion	Ratio	Lower	Upper
41	100		
69	87.3	69.8	104.8
39	59.0	47.2	70.8





#49

1,4-Dioxane

Concen: 1030.192 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 1648

Ion Ratio Lower Upper

88 100

43 36.0 28.8 43.2

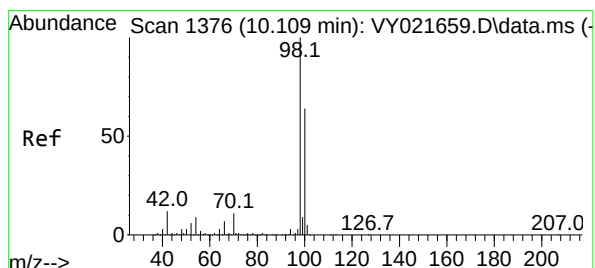
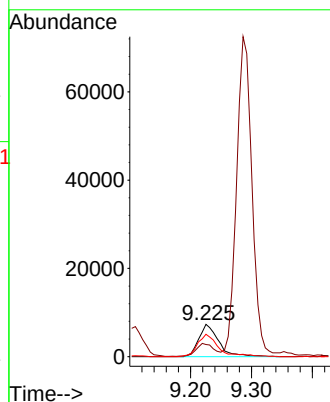
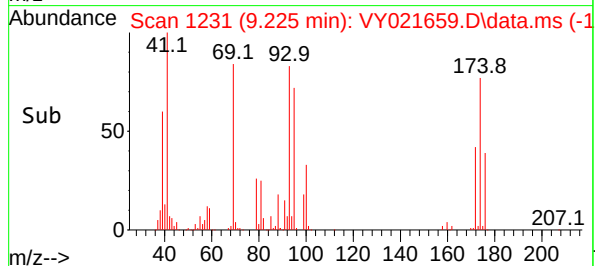
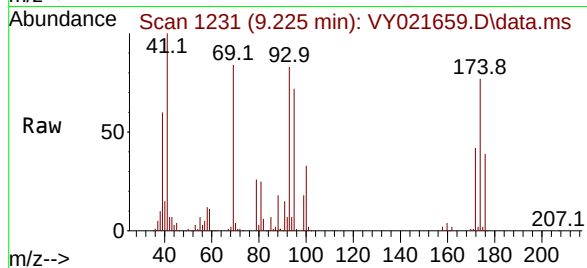
58 74.3 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 52.909 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021659.D

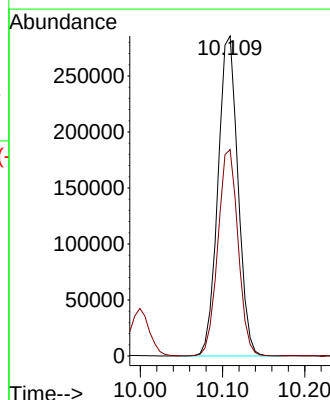
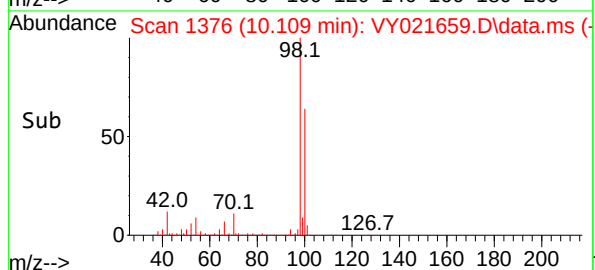
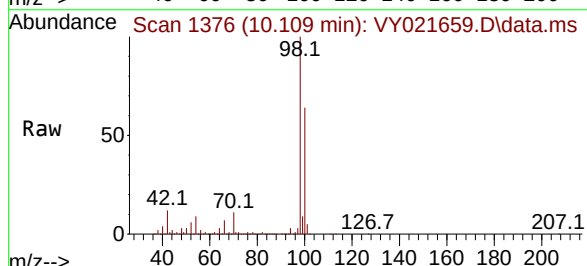
Acq: 27 Mar 2025 11:16

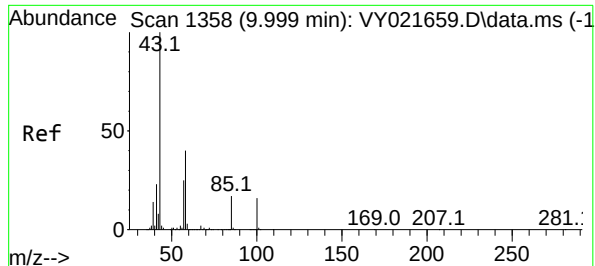
Tgt Ion: 98 Resp: 483058

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 261.893 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 445564

Ion Ratio Lower Upper

43 100

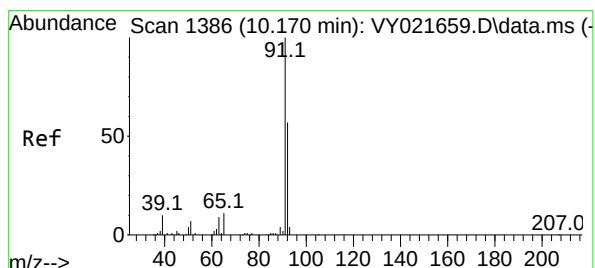
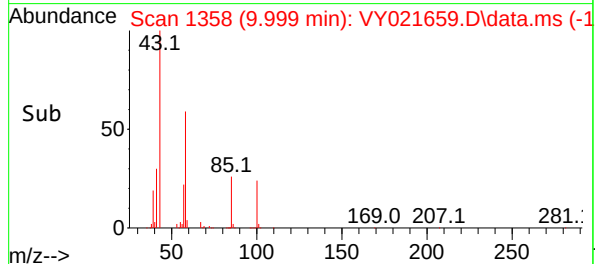
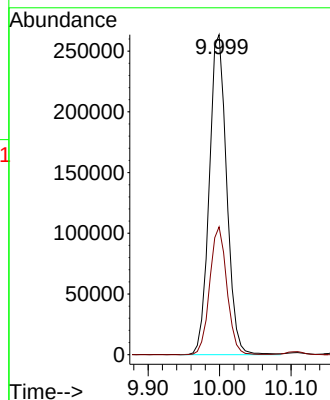
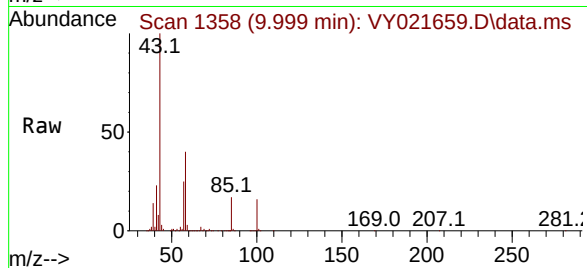
58 39.4 31.5 47.3

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#52

Toluene

Concen: 51.496 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021659.D

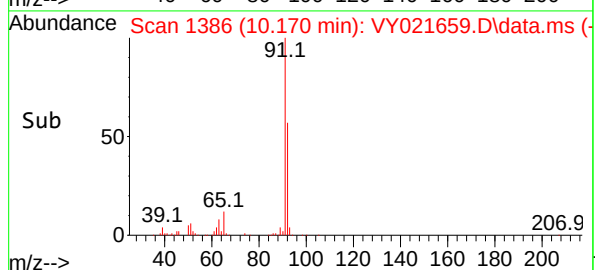
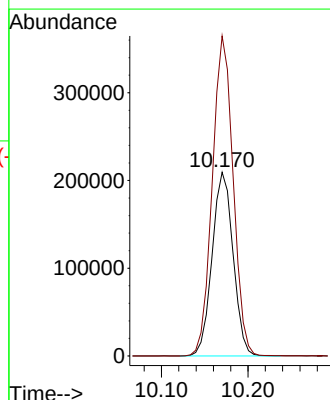
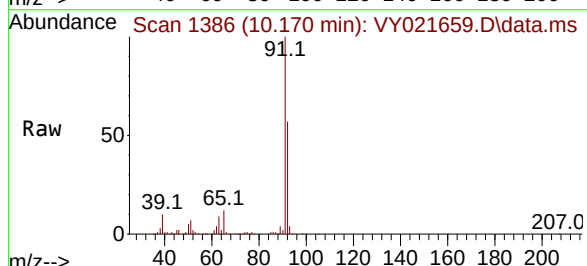
Acq: 27 Mar 2025 11:16

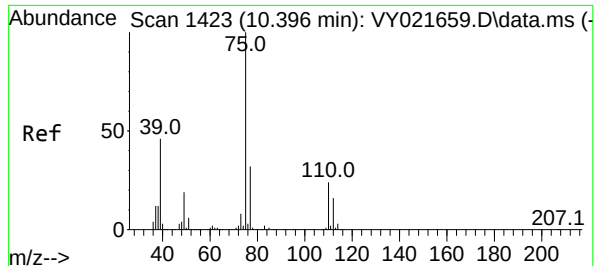
Tgt Ion: 92 Resp: 351715

Ion Ratio Lower Upper

92 100

91 173.2 138.6 207.8





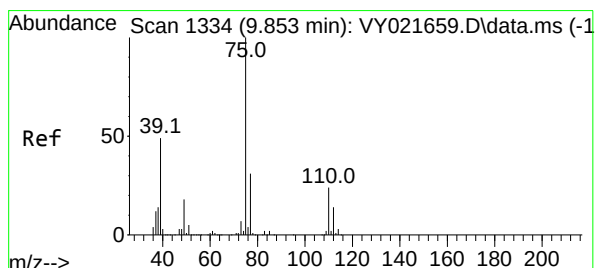
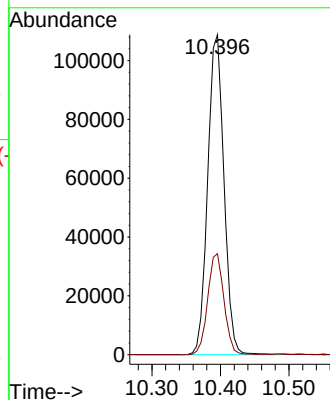
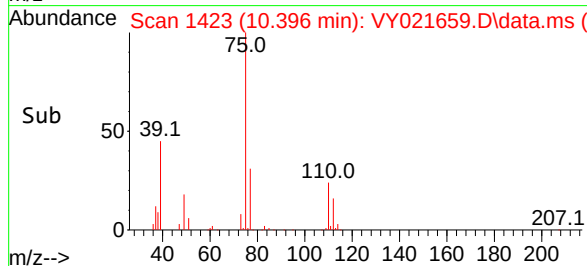
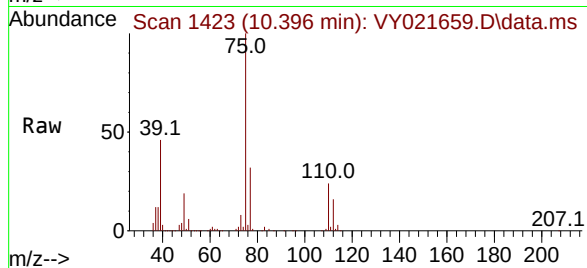
#53
t-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

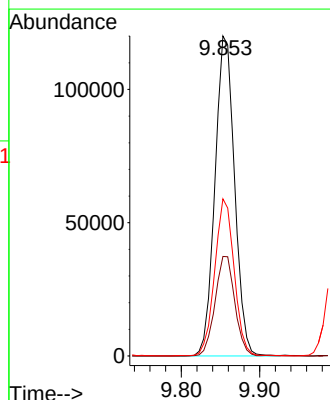
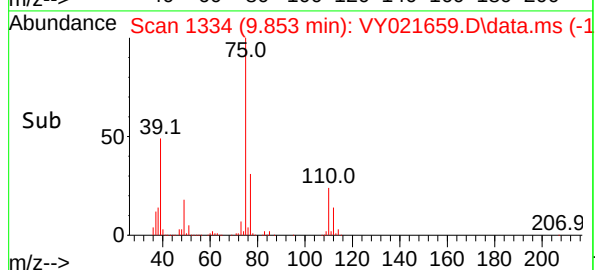
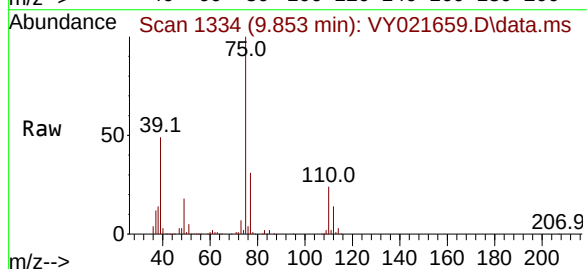
Manual Integrations
APPROVED

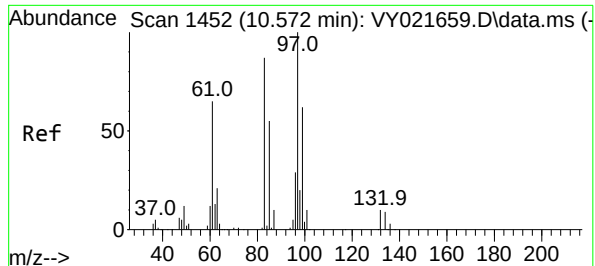
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 51.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 209143
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 49.0 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 50.254 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 96578

Ion Ratio Lower Upper

97 100

83 86.9 69.5 104.3

85 54.9 43.9 65.9

99 62.4 49.9 74.9

Instrument :

MSVOA_Y

ClientSampleId :

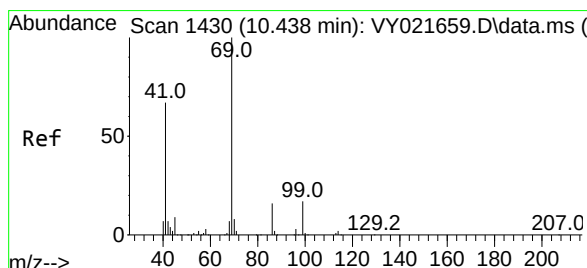
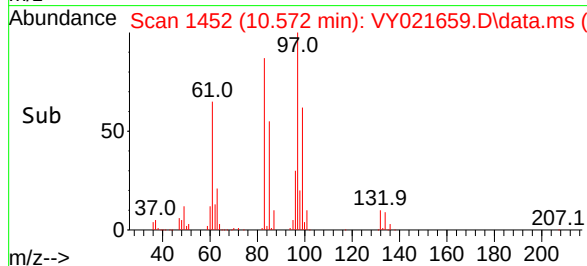
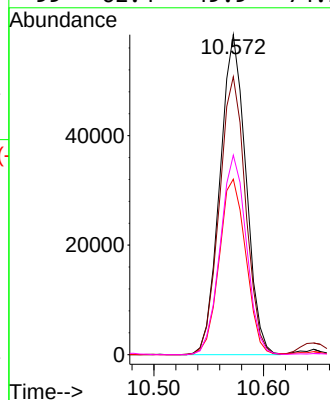
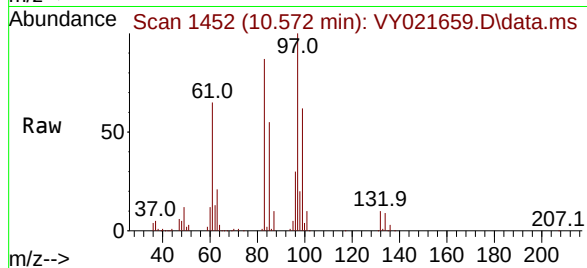
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#56

Ethyl methacrylate

Concen: 55.124 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

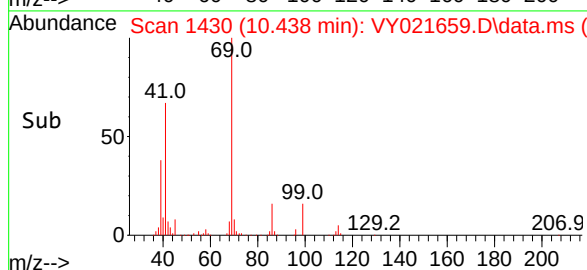
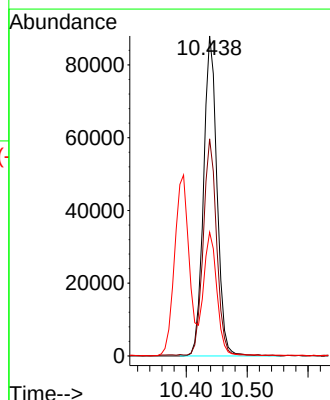
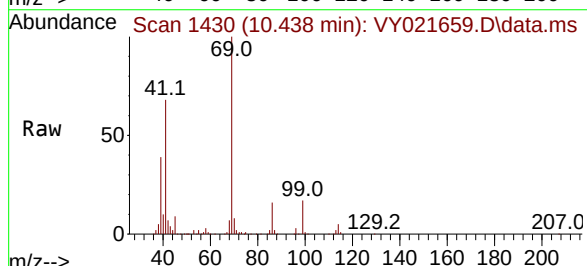
Tgt Ion: 69 Resp: 135272

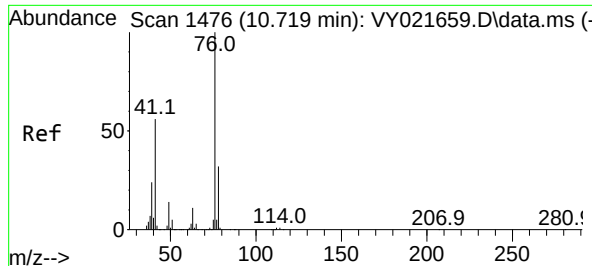
Ion Ratio Lower Upper

69 100

41 67.2 53.8 80.6

39 37.0 29.6 44.4





#57

1,3-Dichloropropane

Concen: 51.252 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 170109

Ion Ratio Lower Upper

76 100

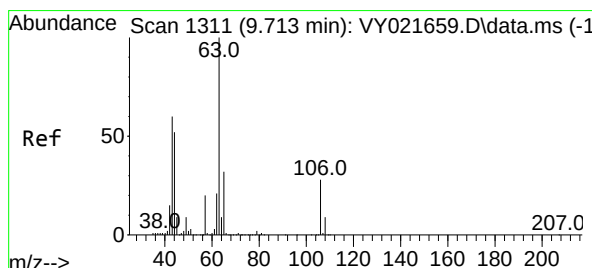
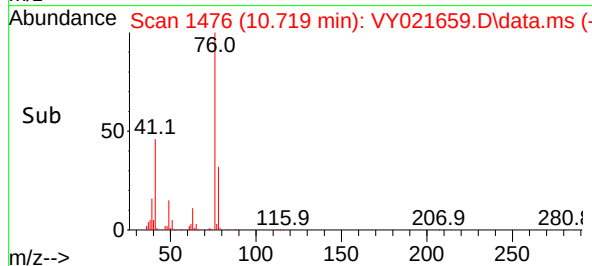
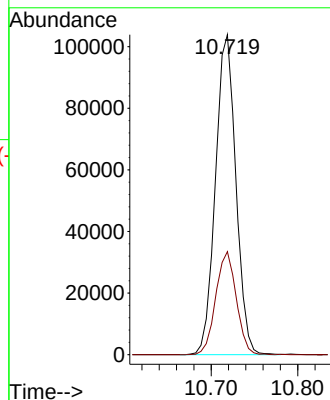
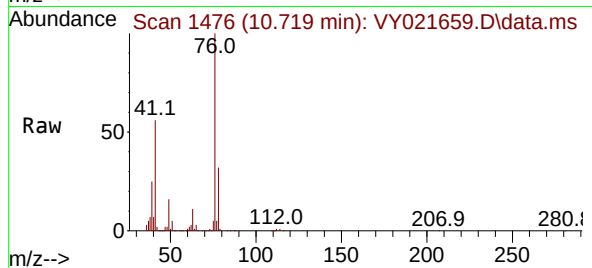
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 277.643 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021659.D

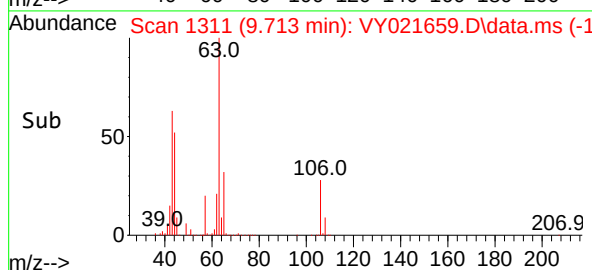
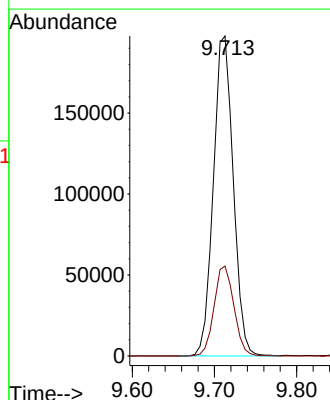
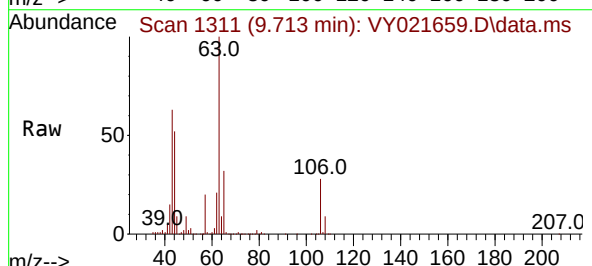
Acq: 27 Mar 2025 11:16

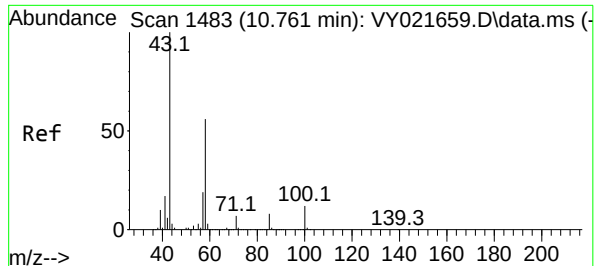
Tgt Ion: 63 Resp: 332369

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6





#59

2-Hexanone

Concen: 267.012 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 302538

Ion Ratio Lower Upper

43 100

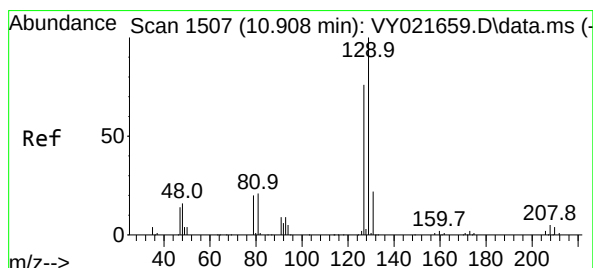
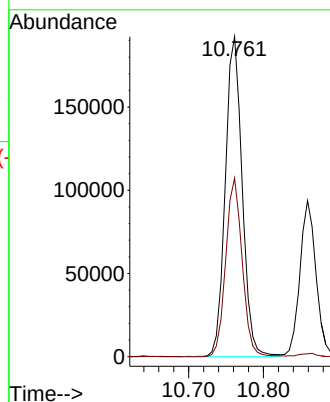
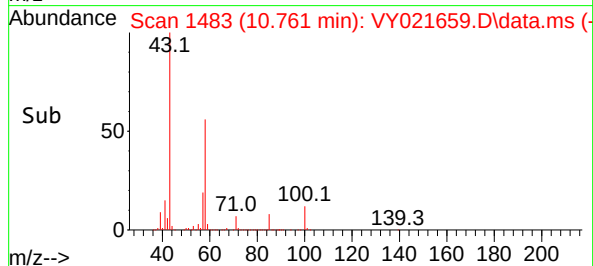
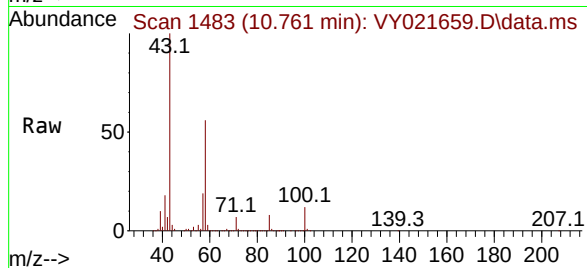
58 54.3 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 51.334 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021659.D

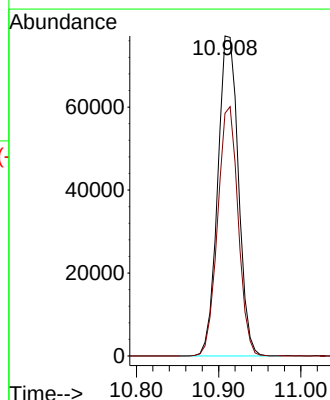
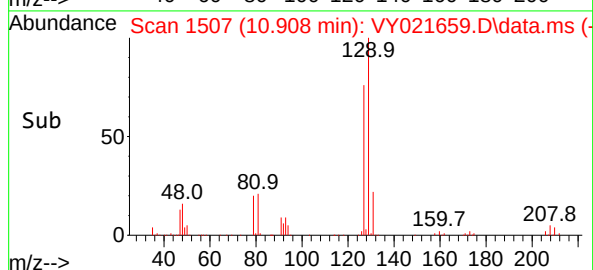
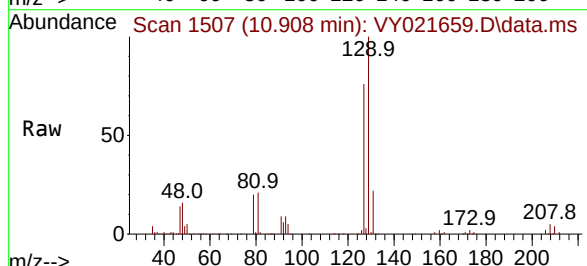
Acq: 27 Mar 2025 11:16

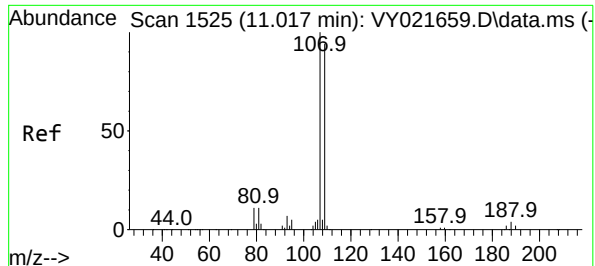
Tgt Ion:129 Resp: 134696

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.7





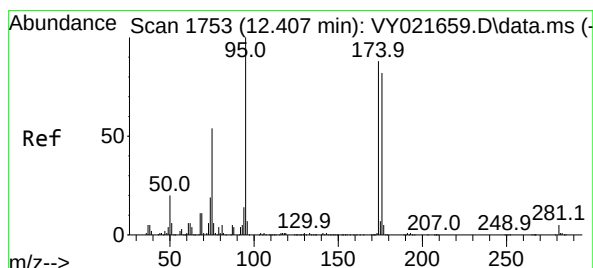
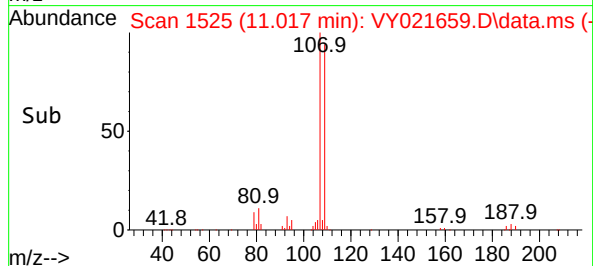
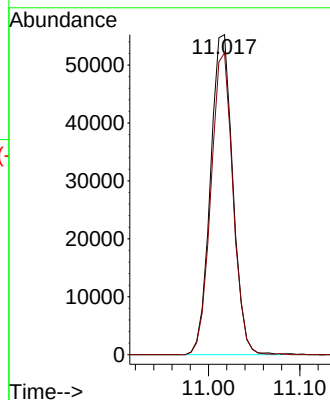
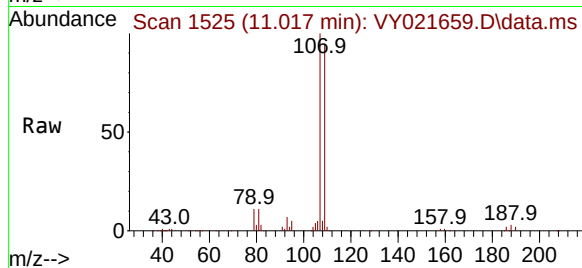
#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 93860
Ion Ratio Lower Upper
107 100
109 93.0 74.4 111.6

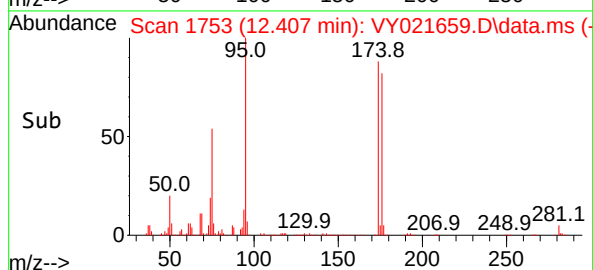
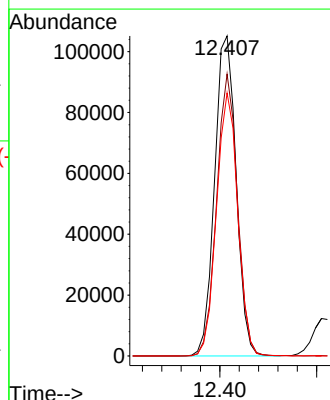
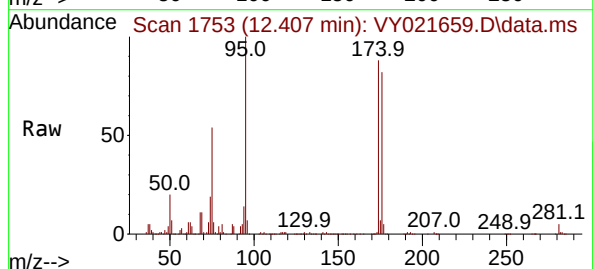
Manual Integrations
APPROVED

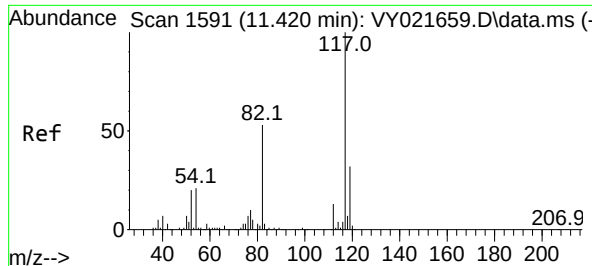
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

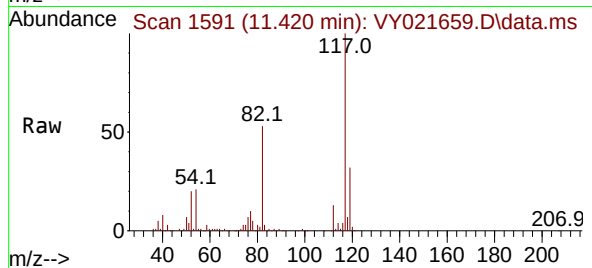
Tgt Ion: 95 Resp: 162384
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 81.0 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

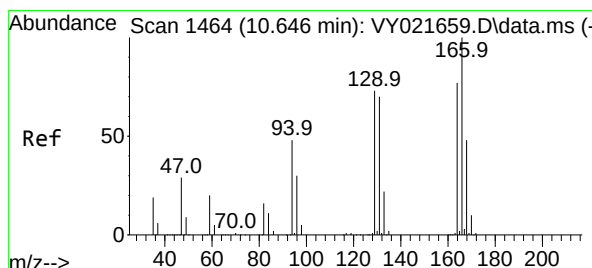
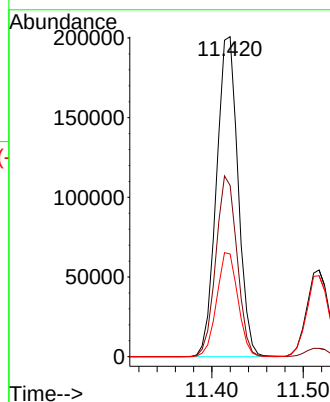
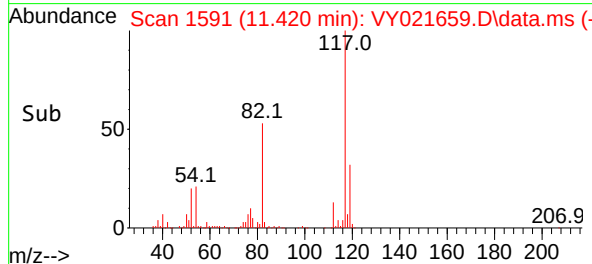
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 329620
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.1 25.7 38.5

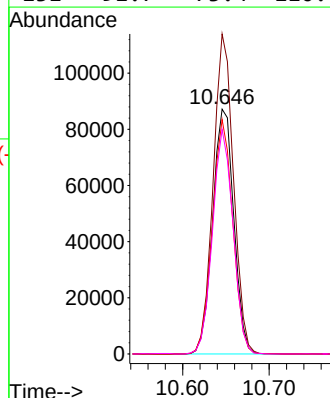
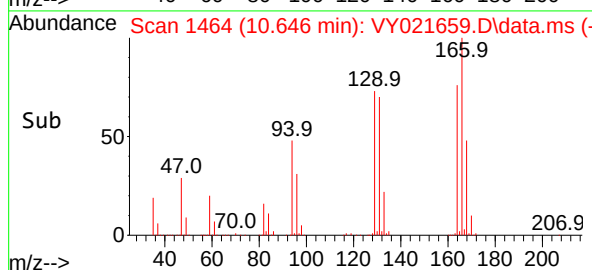
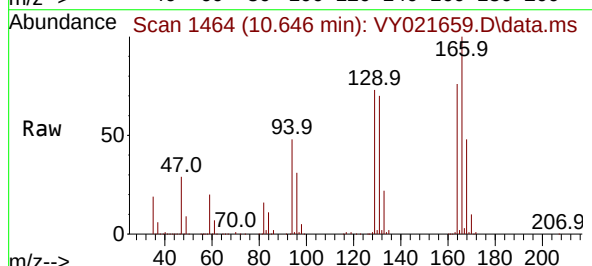
Manual Integrations
APPROVED

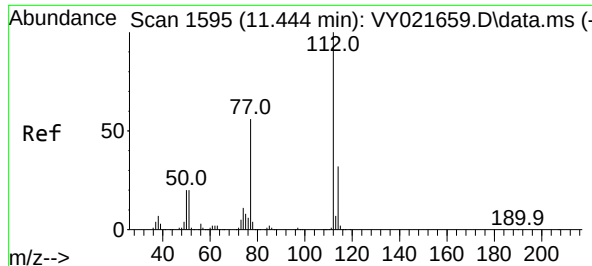
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 49.288 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:164 Resp: 147971
Ion Ratio Lower Upper
164 100
166 130.7 104.6 156.8
129 95.7 76.6 114.8
131 91.7 73.4 110.0





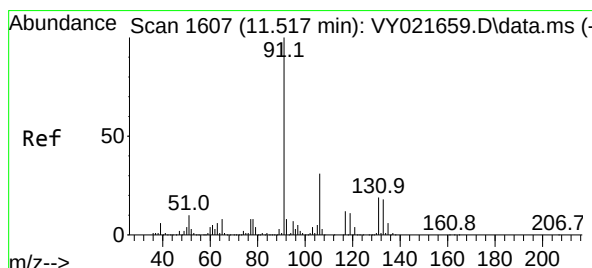
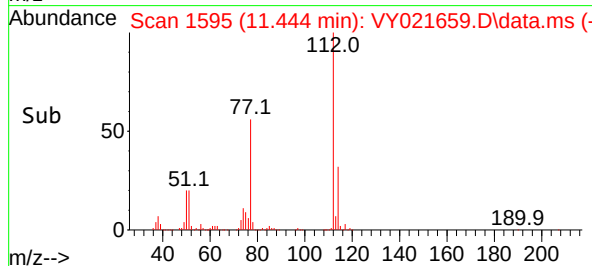
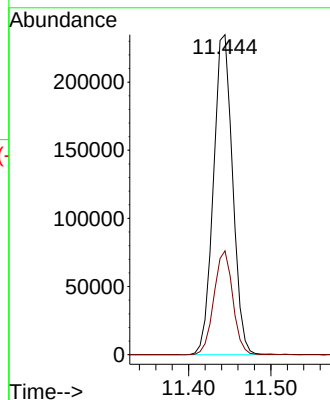
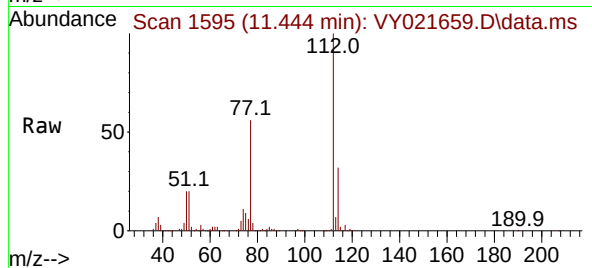
#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 38066
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

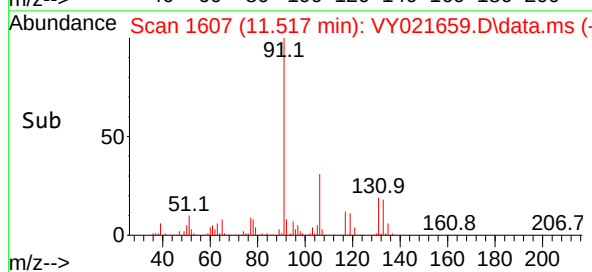
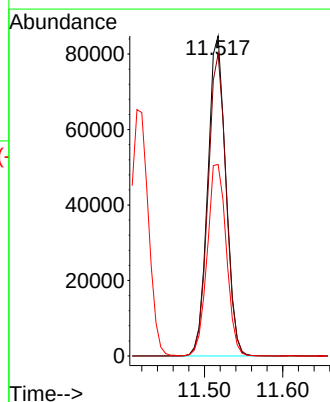
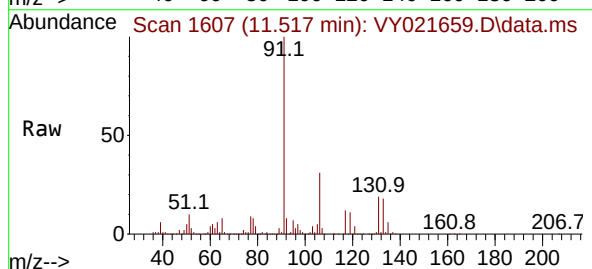
Manual Integrations
APPROVED

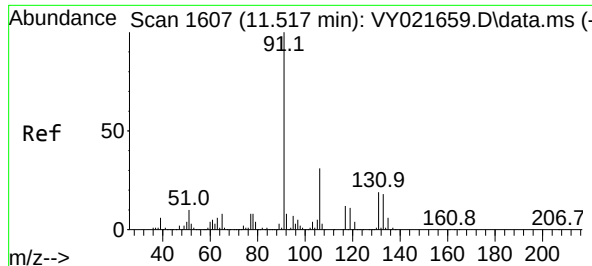
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 50.602 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:131 Resp: 135660
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 63.3 31.6 95.0





#67

Ethyl Benzene

Concen: 52.188 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 676209

Ion Ratio Lower Upper

91 100

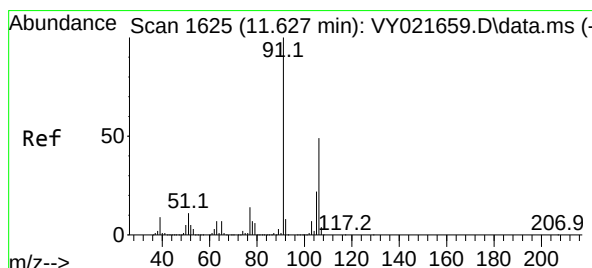
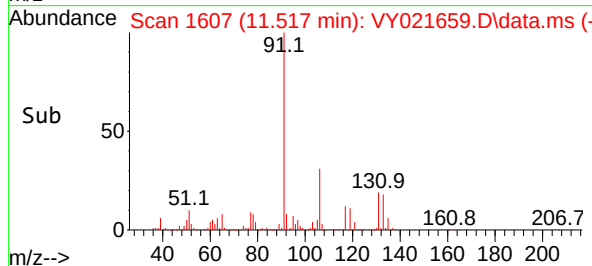
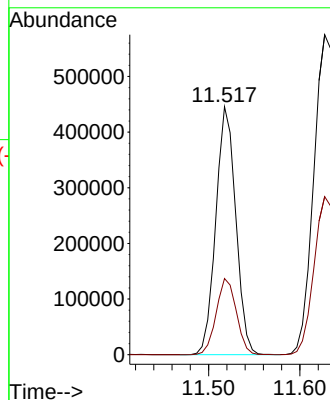
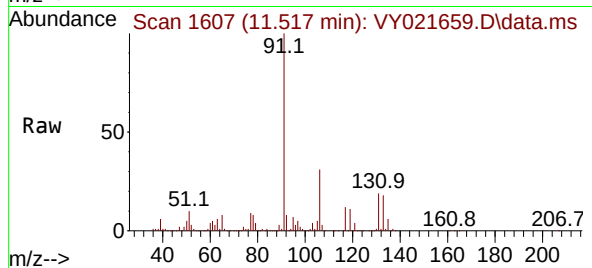
106 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 104.634 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021659.D

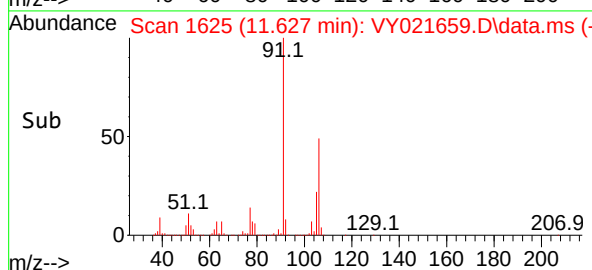
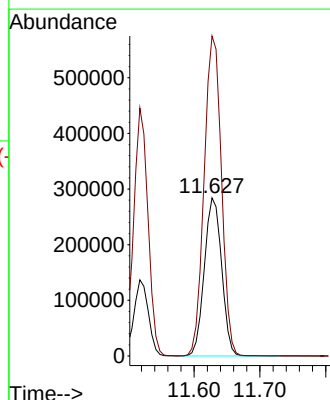
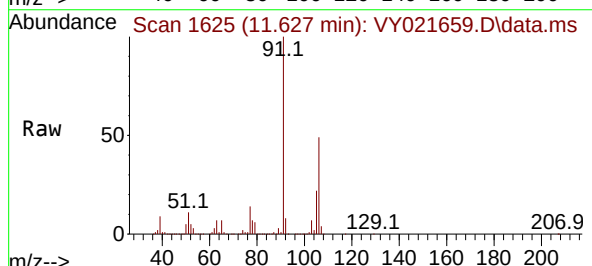
Acq: 27 Mar 2025 11:16

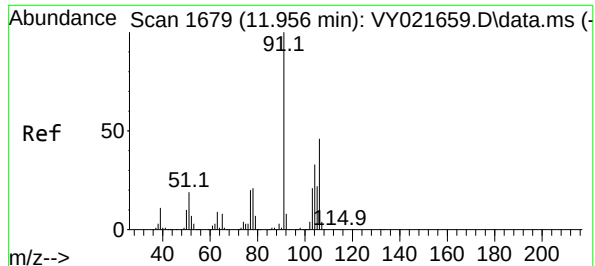
Tgt Ion:106 Resp: 519154

Ion Ratio Lower Upper

106 100

91 203.0 162.4 243.6





#69

o-Xylene

Concen: 53.135 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 24335

Ion Ratio Lower Upper

106 100

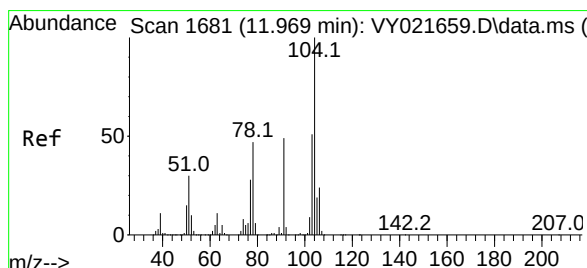
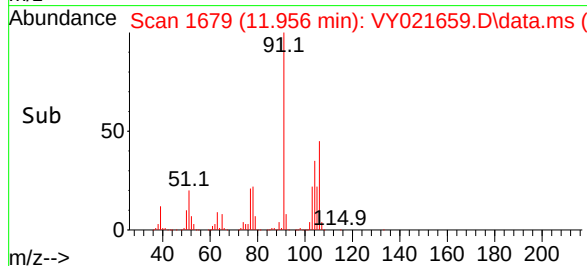
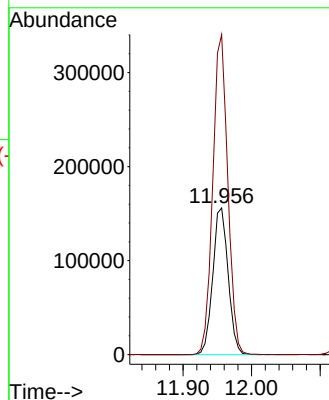
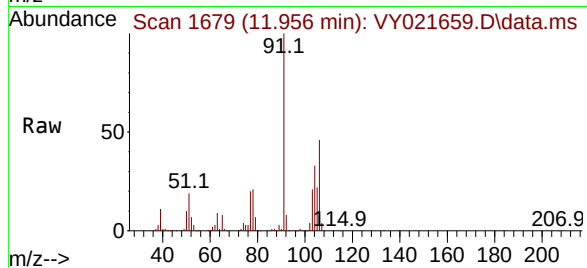
91 213.3 106.7 319.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#70

Styrene

Concen: 53.195 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

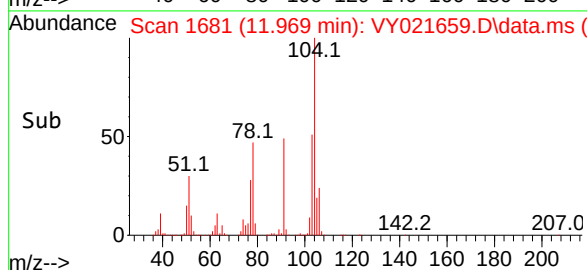
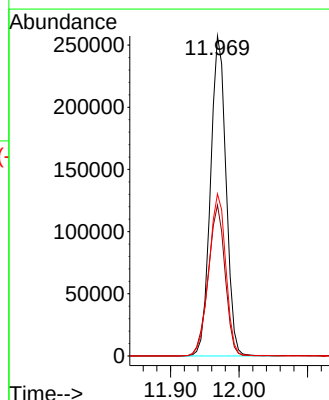
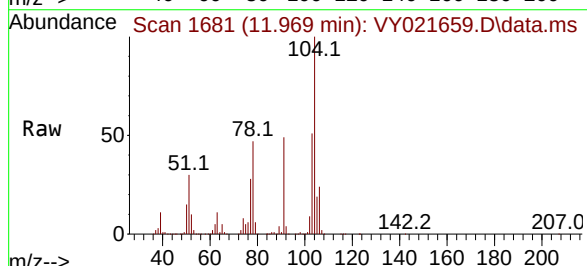
Tgt Ion:104 Resp: 406215

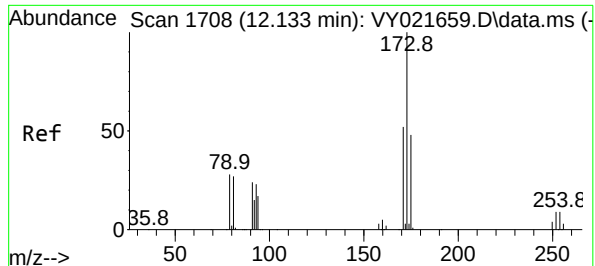
Ion Ratio Lower Upper

104 100

78 51.0 40.8 61.2

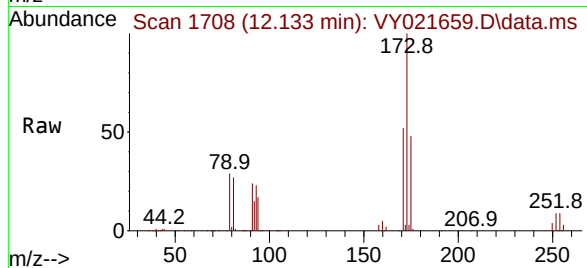
103 55.2 44.2 66.2





#71
Bromoform
Concen: 51.140 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

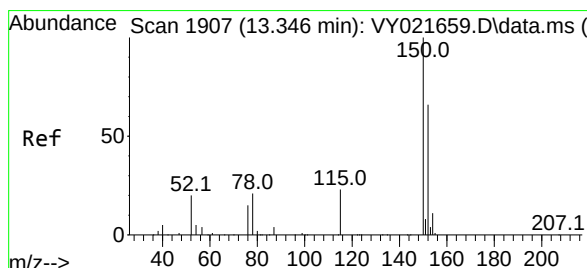
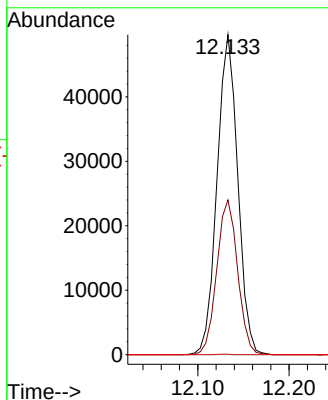
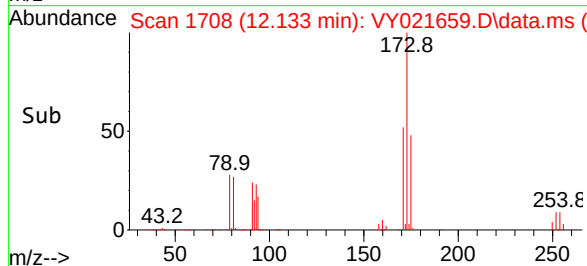
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



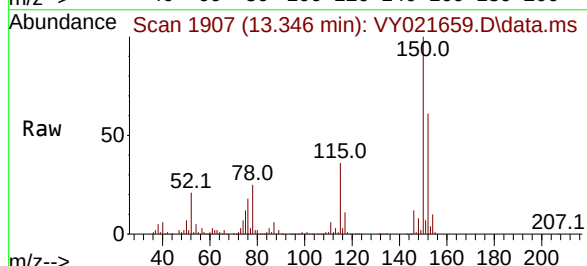
Tgt Ion:173 Resp: 78200
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

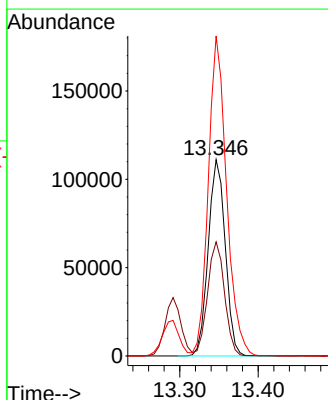
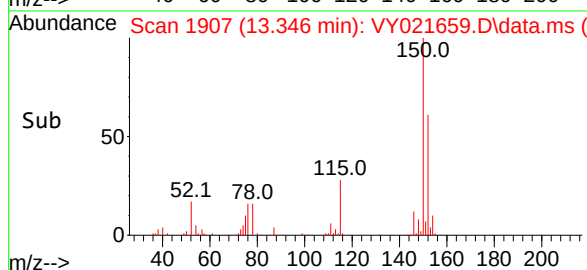
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

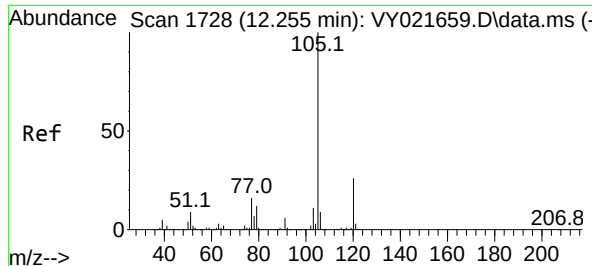


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16



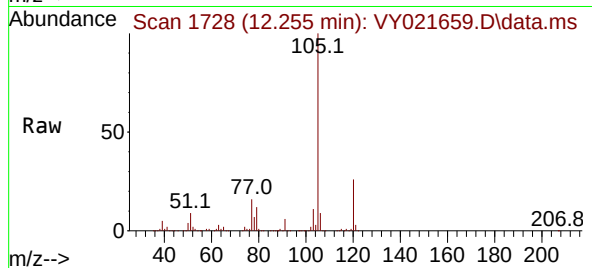
Tgt Ion:152 Resp: 167924
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 174.2 0.0 348.4





#73
Isopropylbenzene
Concen: 51.505 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

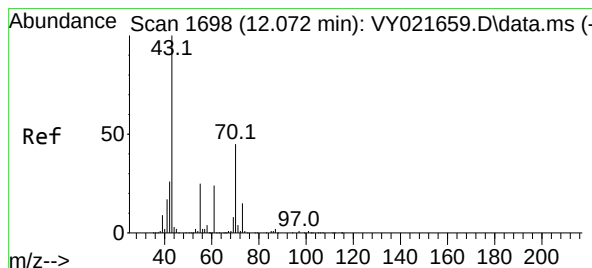
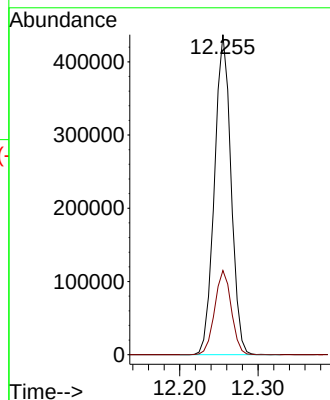
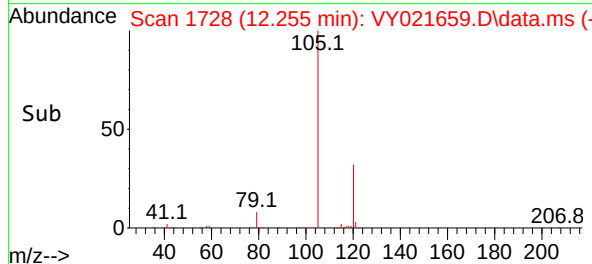
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 105 Resp: 64239
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

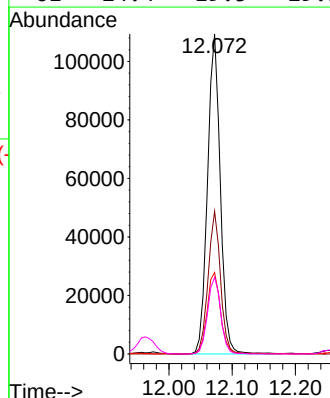
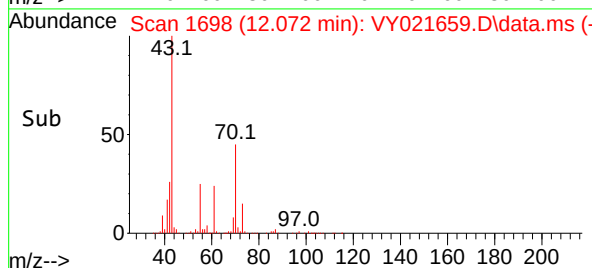
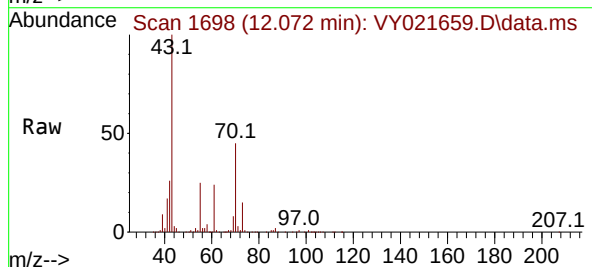
Manual Integrations
APPROVED

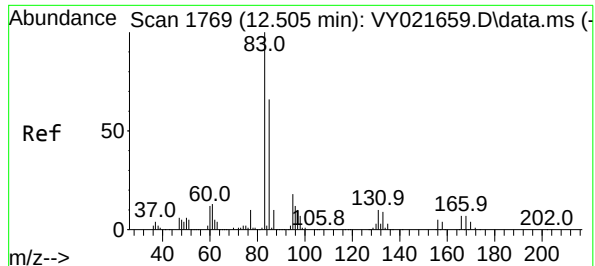
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 52.630 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 154054
Ion Ratio Lower Upper
43 100
70 43.4 34.7 52.1
55 26.5 21.2 31.8
61 24.4 19.5 29.3





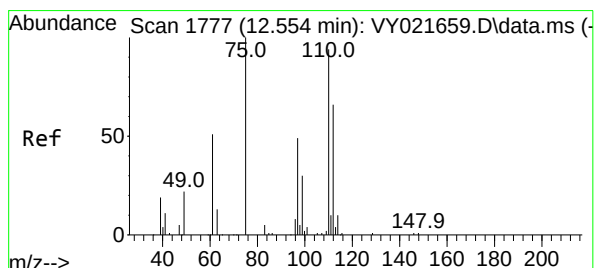
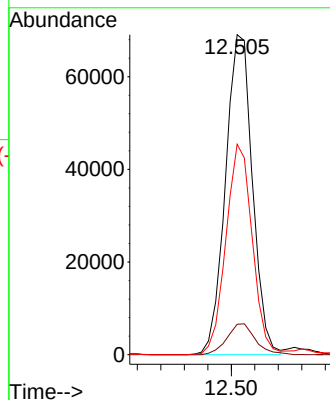
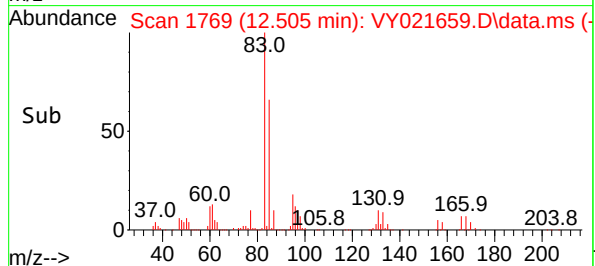
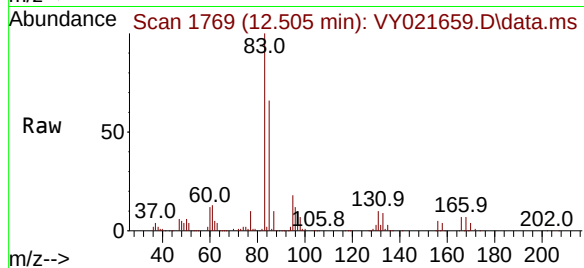
#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 11029
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 64.5 32.3 96.8

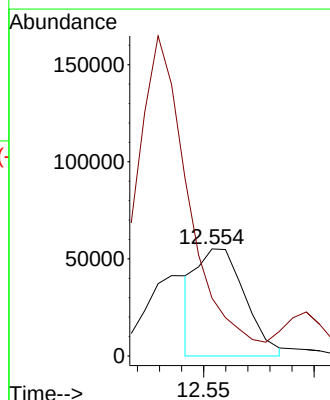
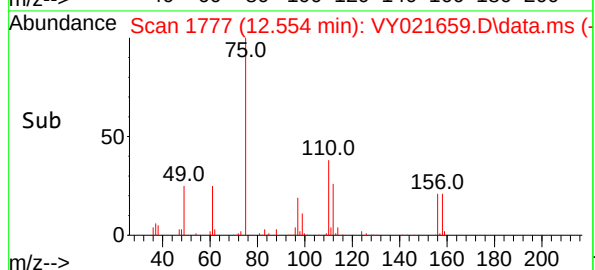
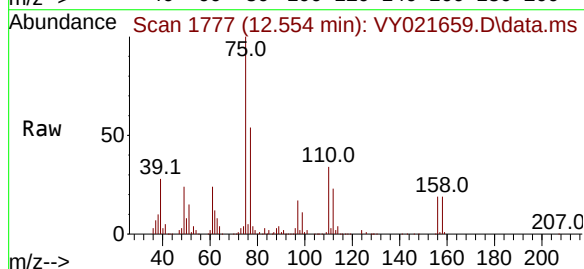
Manual Integrations
APPROVED

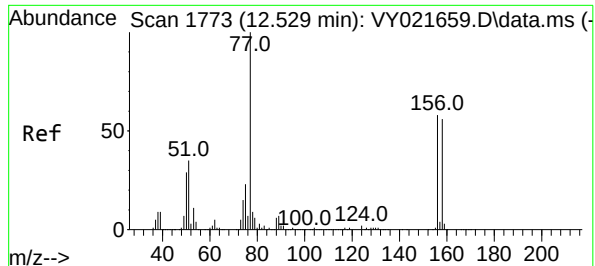
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 50.257 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 83656
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





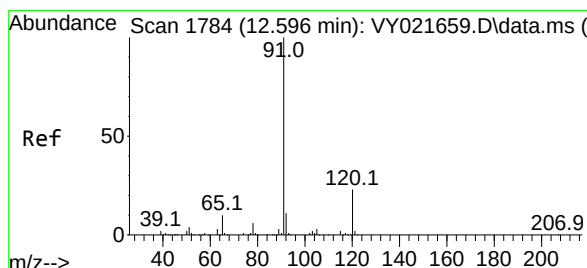
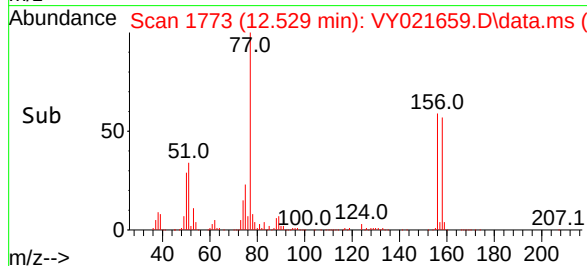
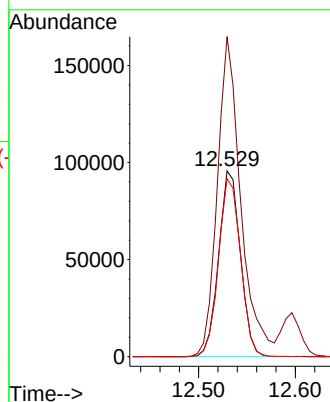
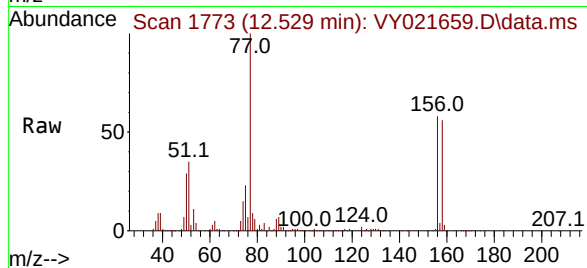
#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 156 Resp: 14932
Ion Ratio Lower Upper
156 100
77 185.5 92.8 278.3
158 97.1 48.5 145.6

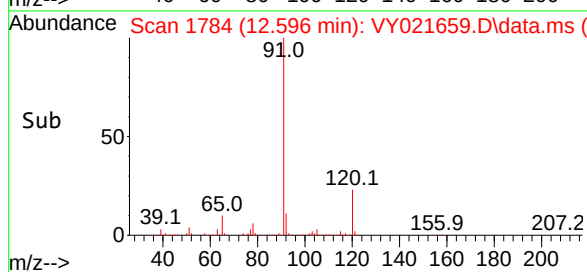
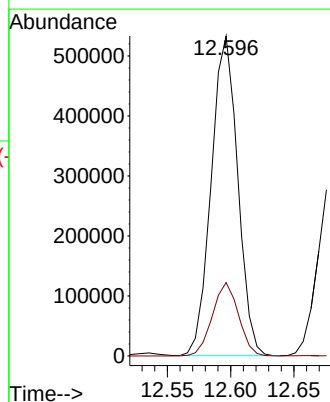
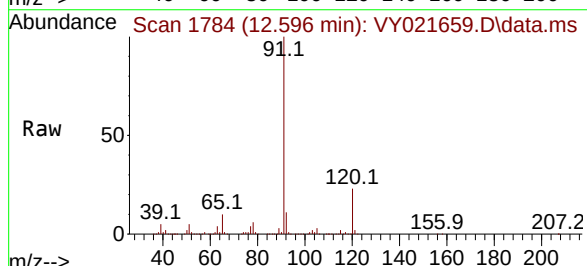
Manual Integrations
APPROVED

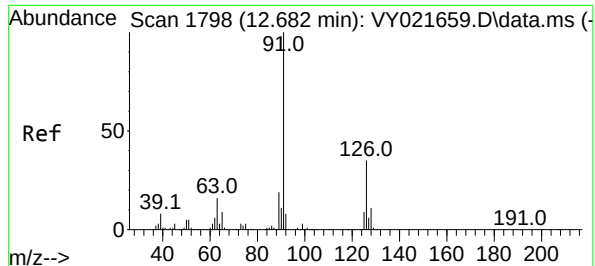
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 51.702 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 775252
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 51.001 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 444178

Ion Ratio Lower Upper

91 100

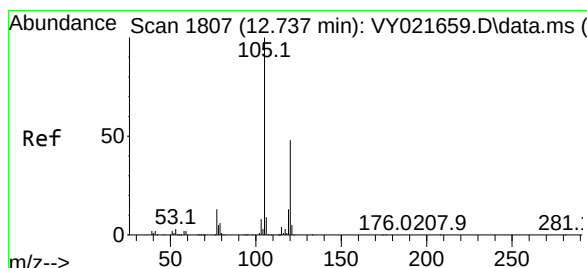
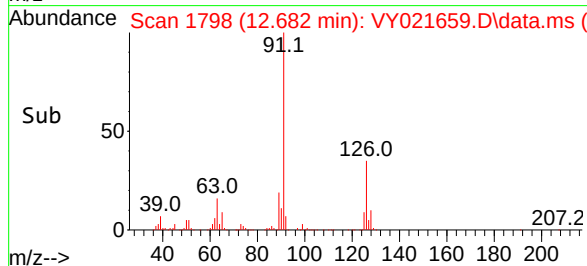
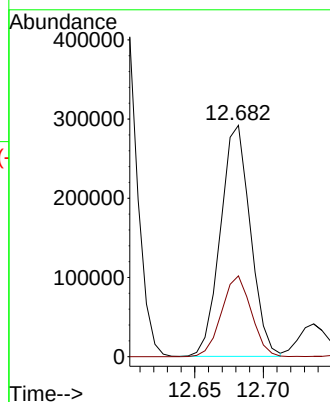
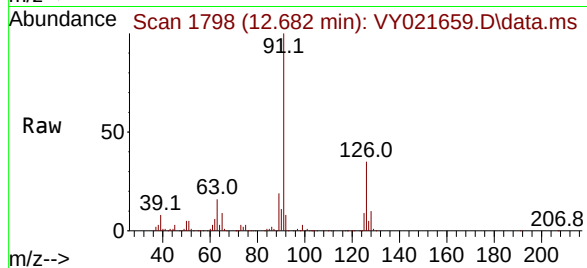
126 34.7 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.839 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021659.D

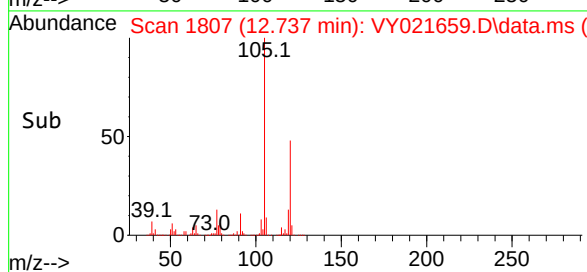
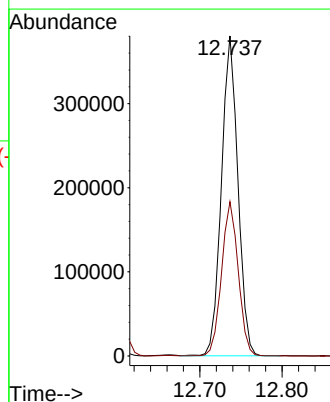
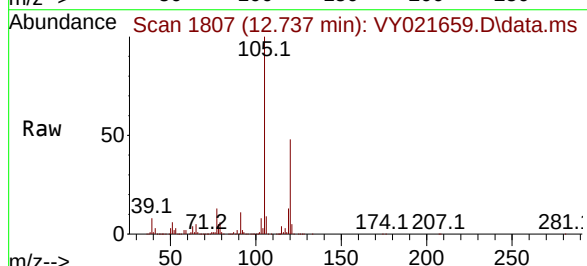
Acq: 27 Mar 2025 11:16

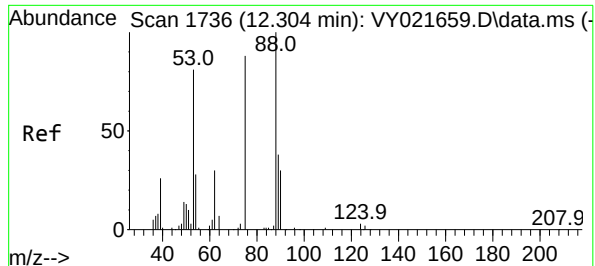
Tgt Ion:105 Resp: 528425

Ion Ratio Lower Upper

105 100

120 49.0 24.5 73.5





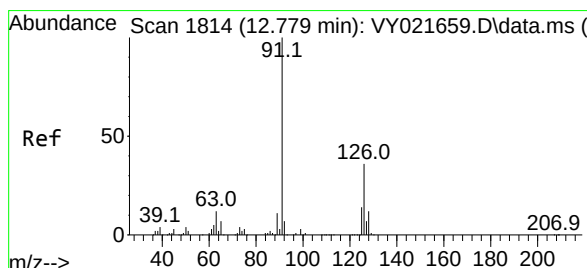
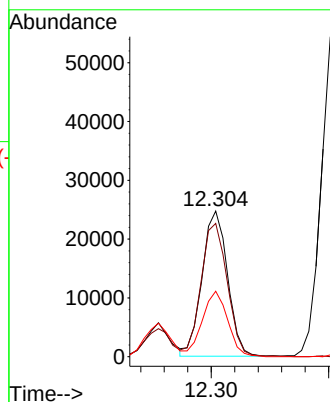
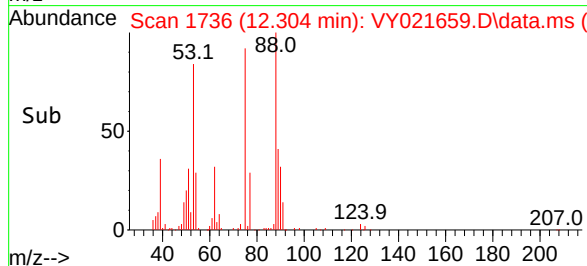
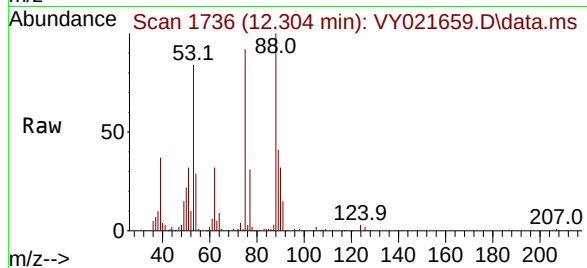
#81
trans-1,4-Dichloro-2-butene
Concen: 51.550 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 37240
Ion Ratio Lower Upper
75 100
53 95.1 76.1 114.1
89 45.3 36.2 54.4

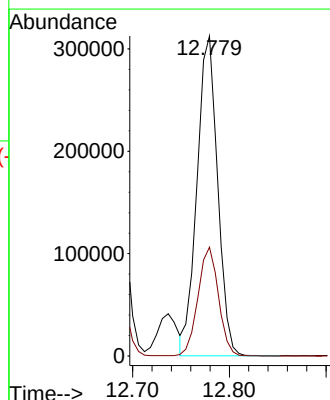
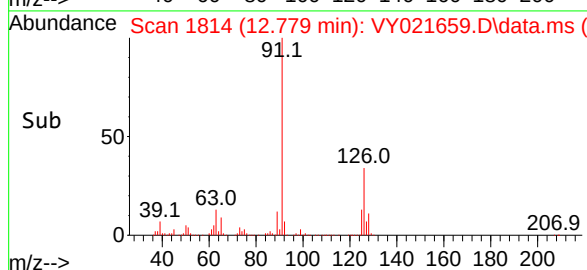
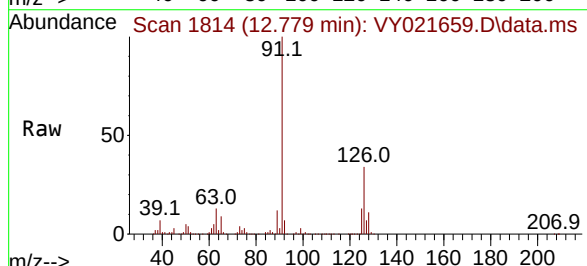
Manual Integrations
APPROVED

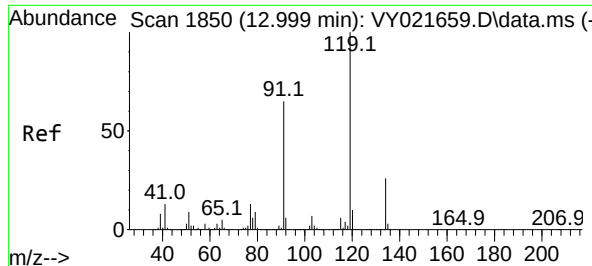
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 463024
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 51.541 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 46796

Ion Ratio Lower Upper

119 100

91 65.1 32.6 97.7

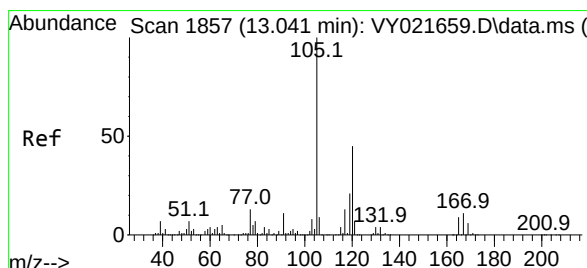
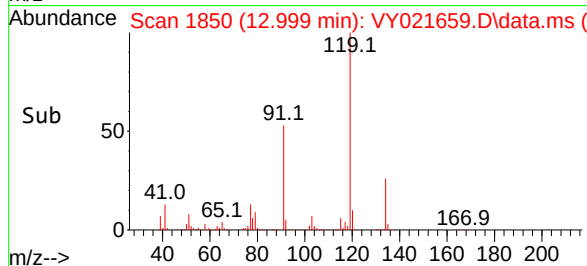
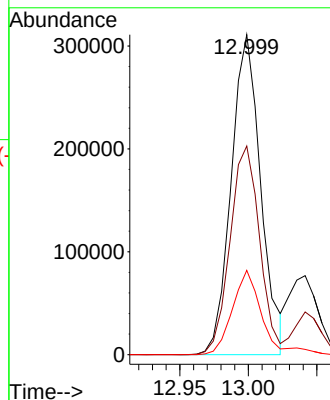
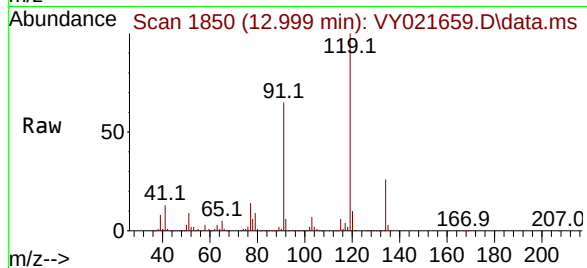
134 26.4 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.248 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021659.D

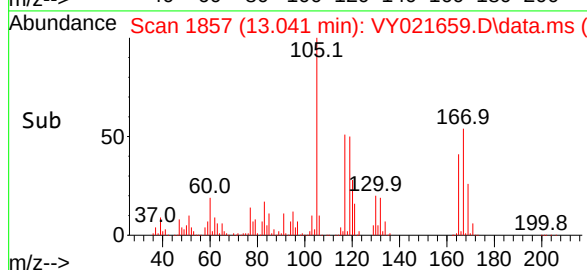
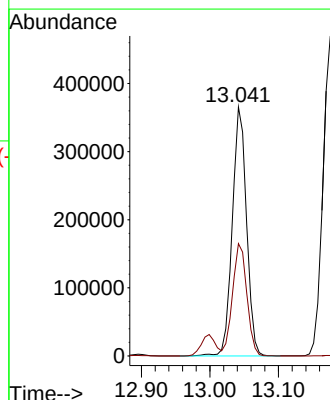
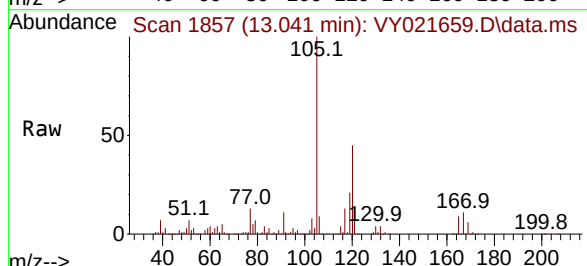
Acq: 27 Mar 2025 11:16

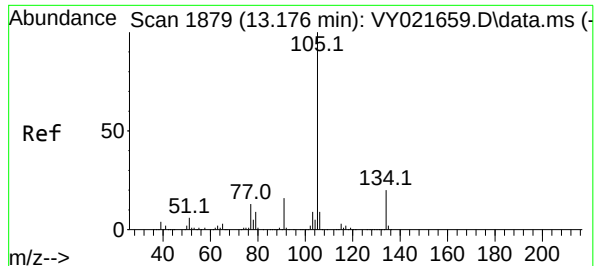
Tgt Ion:105 Resp: 526387

Ion Ratio Lower Upper

105 100

120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 51.820 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 68757

Ion Ratio Lower Upper

105 100

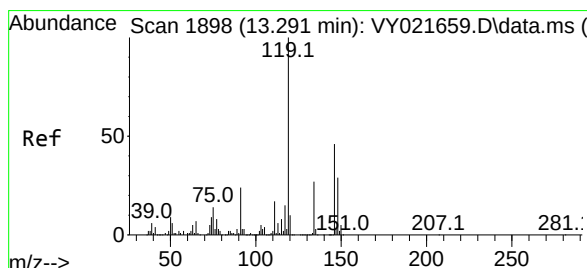
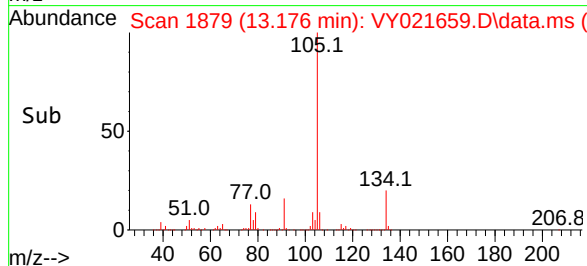
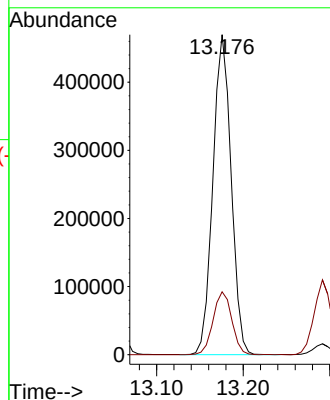
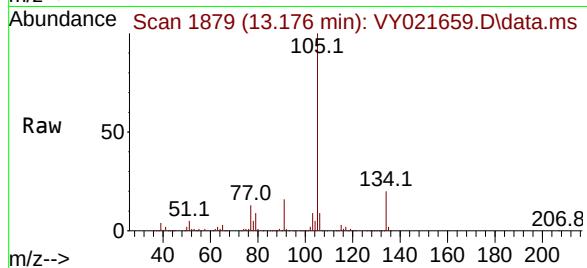
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 52.525 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

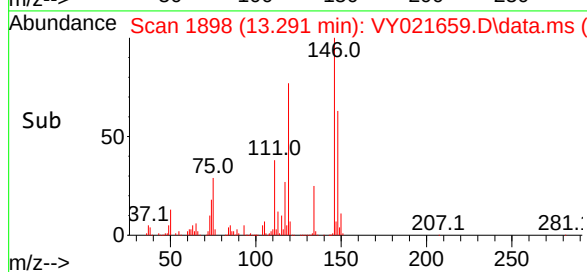
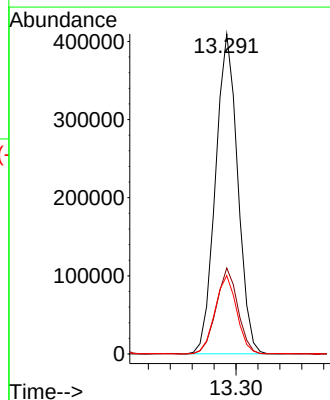
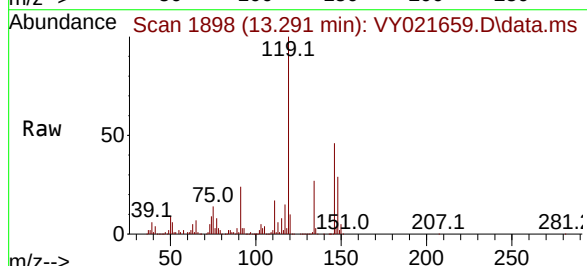
Tgt Ion:119 Resp: 576012

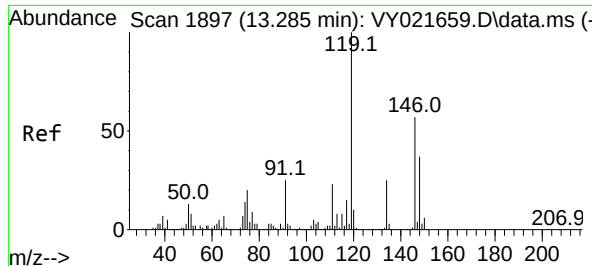
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 49.752 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

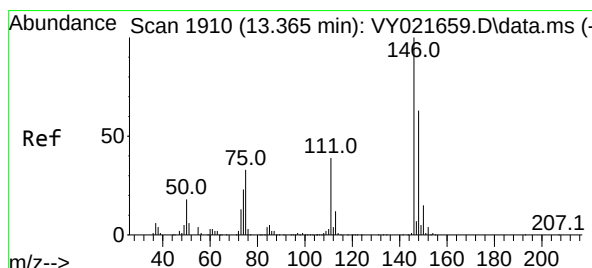
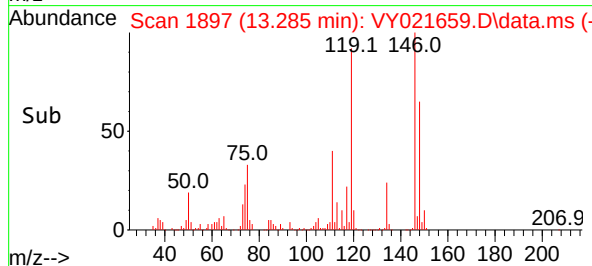
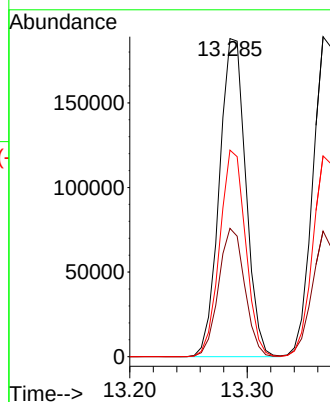
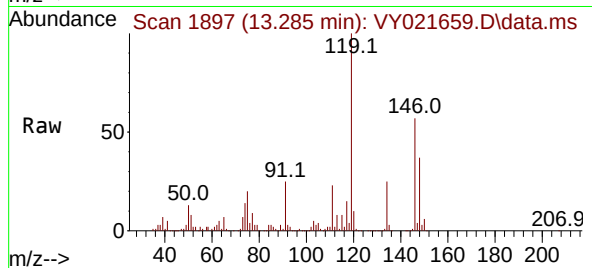
Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	293534
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	60.0
148	63.6	31.8	95.4

Manual Integrations
APPROVEDReviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#88

1,4-Dichlorobenzene

Concen: 50.147 ug/l

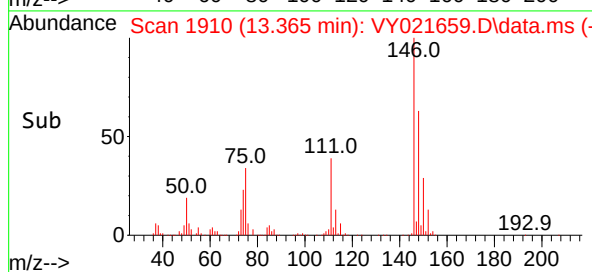
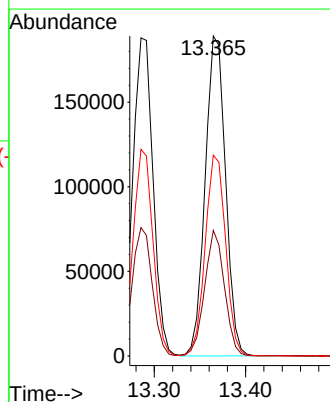
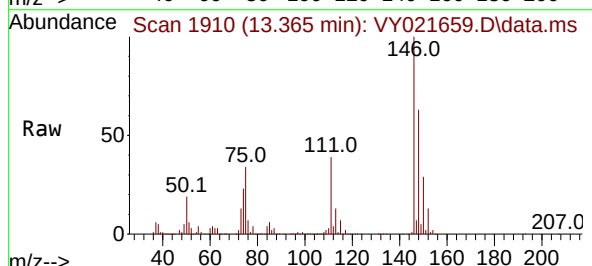
RT: 13.365 min Scan# 1910

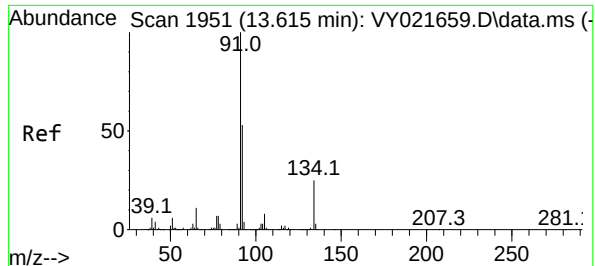
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	146	Resp:	292315
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	63.0	31.5	94.5





#89

n-Butylbenzene

Concen: 52.544 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

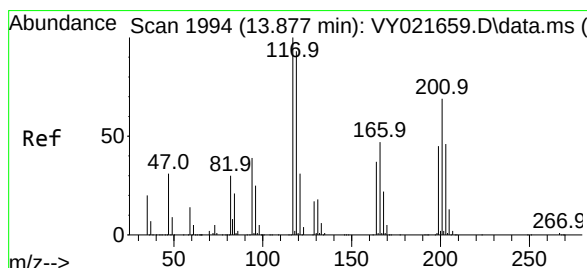
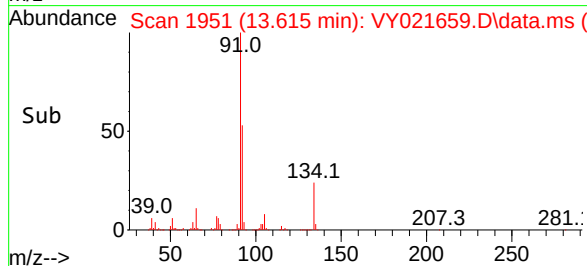
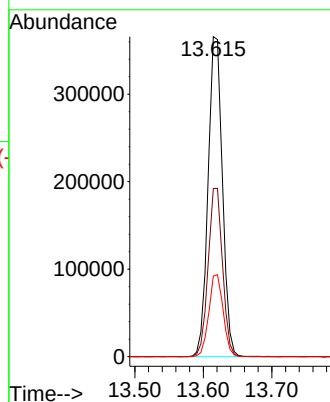
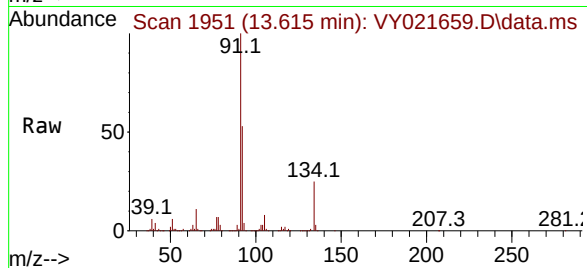
ClientSampleId :

VSTDICCC050

Tgt Ion: 91	Resp: 53289
Ion Ratio	Lower Upper
91 100	
92 52.8	26.4 79.2
134 25.6	12.8 38.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 49.396 ug/l

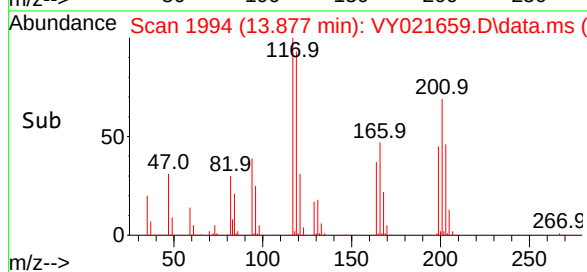
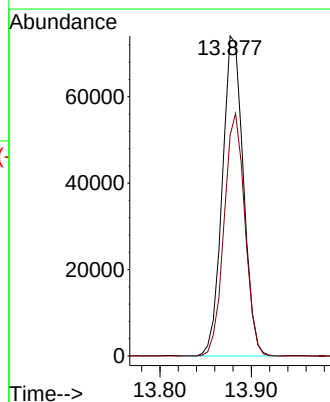
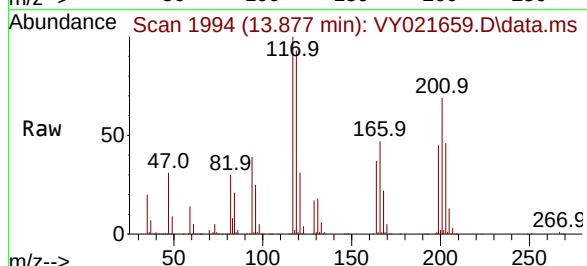
RT: 13.877 min Scan# 1994

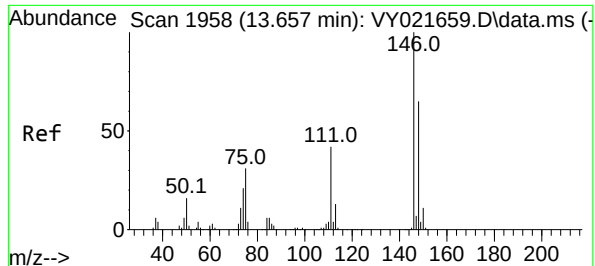
Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 117	Resp: 118708
Ion Ratio	Lower Upper
117 100	
201 74.7	37.4 112.1





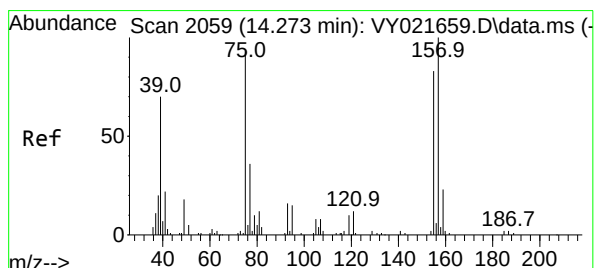
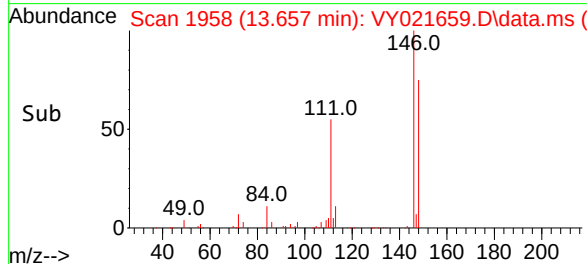
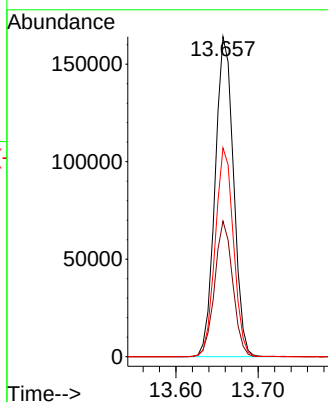
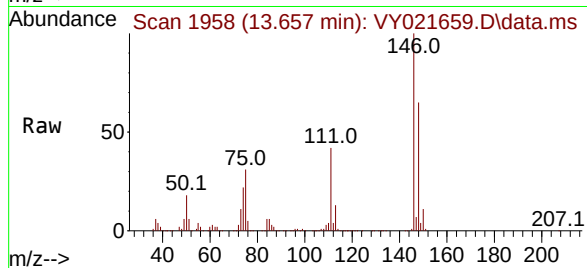
#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 25587
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 64.6 32.3 96.9

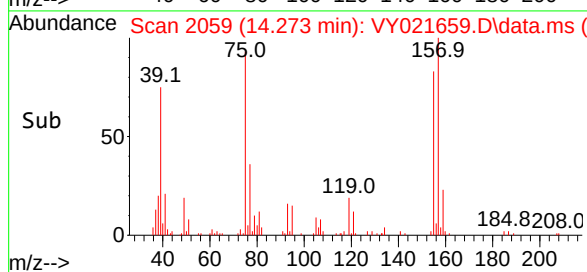
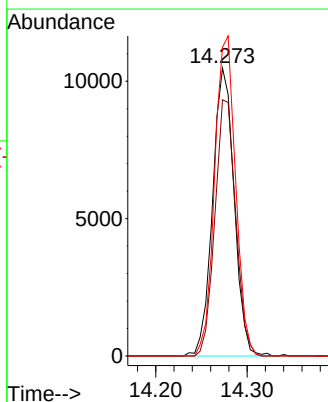
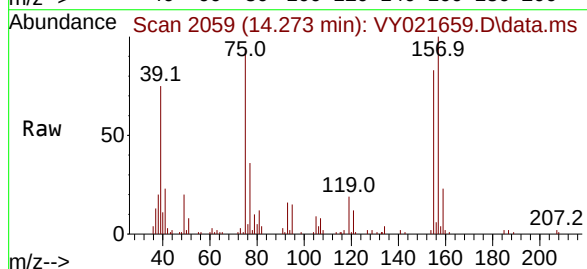
Manual Integrations
APPROVED

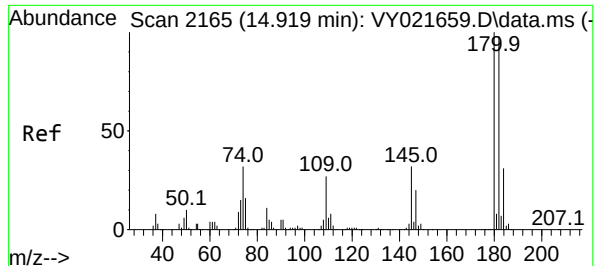
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17123
Ion Ratio Lower Upper
75 100
155 85.9 43.0 128.8
157 108.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 52.935 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021659.D

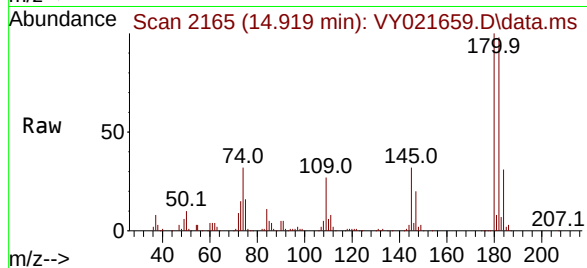
Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

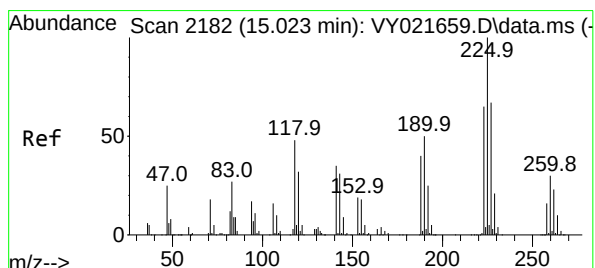
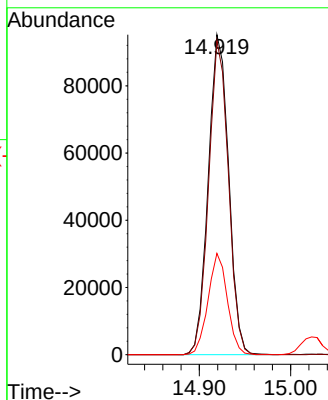
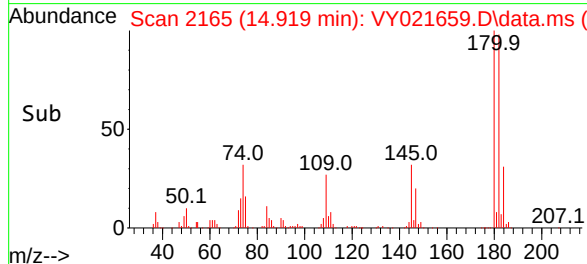
VSTDICCC050



Tgt Ion:	180	Resp:	147434
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	29.9	14.9	44.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

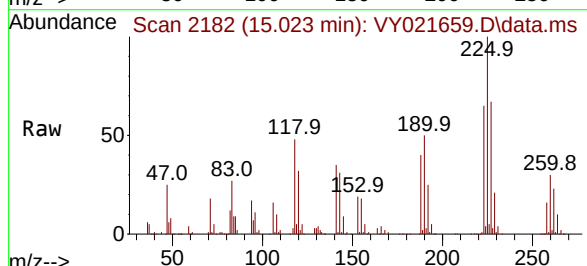
Concen: 50.642 ug/l

RT: 15.023 min Scan# 2182

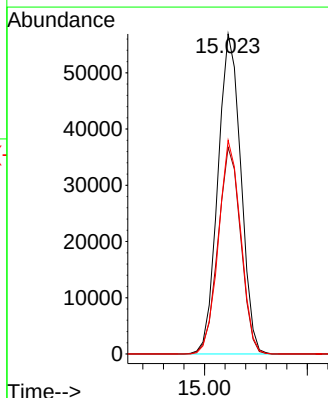
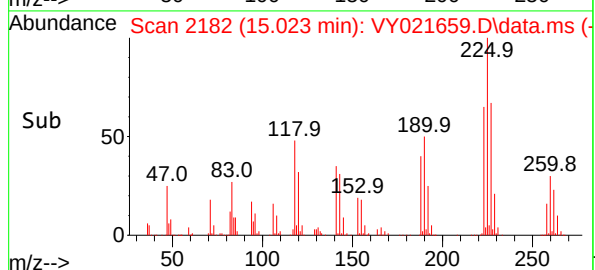
Delta R.T. 0.000 min

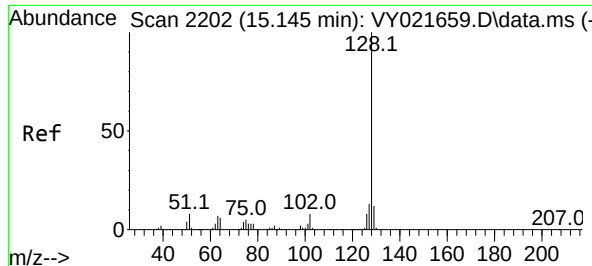
Lab File: VY021659.D

Acq: 27 Mar 2025 11:16



Tgt Ion:	225	Resp:	88090
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.9	95.7
227	64.7	32.4	97.0





#95

Naphthalene

Concen: 54.848 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

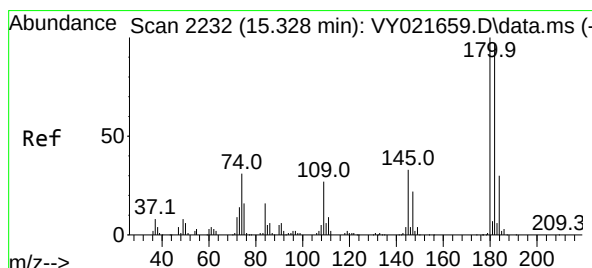
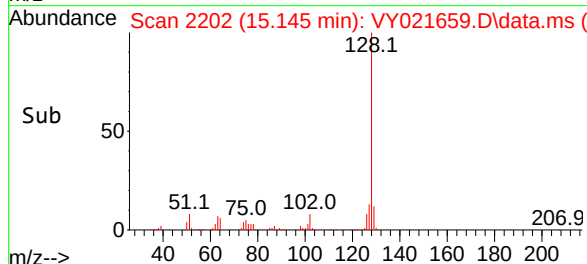
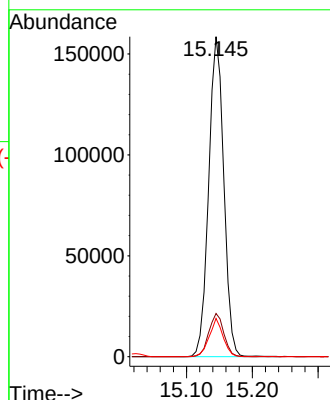
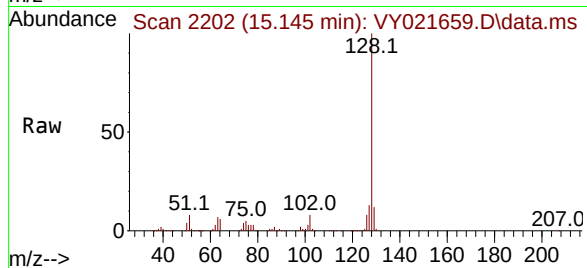
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	253209
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.754 ug/l

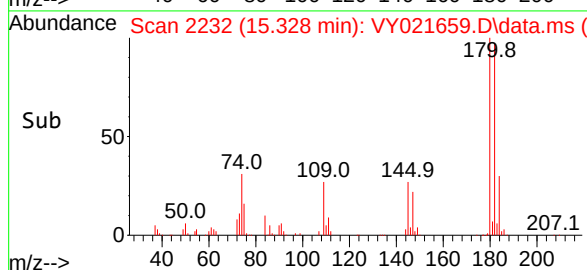
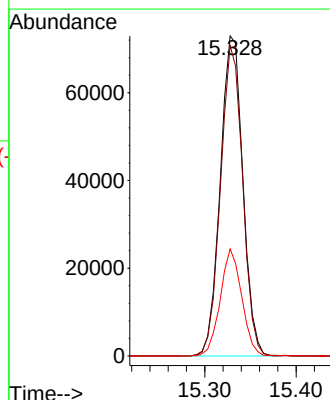
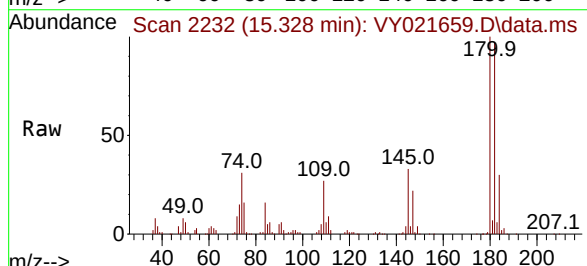
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion:	180	Resp:	125294
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	31.8	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.260%#	
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 200.360%#	
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 202.960%#	
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 202.960%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021660.D
 Acq On : 27 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l	100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l	99
44) Trichloroethene	8.866	130	278937	97.190	ug/l	99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l	99
46) Dibromomethane	9.231	93	145186	94.482	ug/l	97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l	99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l	98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l	100
52) Toluene	10.170	92	706197	100.486	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l	97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l	98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l	100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l	99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l	100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l	98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l	98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l	100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l	100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l	99
69) o-Xylene	11.957	106	491895	104.369	ug/l	98
70) Styrene	11.969	104	833734	106.098	ug/l	99
71) Bromoform	12.133	173	152683	97.024	ug/l	100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l	100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	152979m	91.372	ug/l	
77) Bromobenzene	12.530	156	299163	99.323	ug/l	98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l	100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l	99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l	99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l	100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l	100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l	99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l	100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l	99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l	99
95) Naphthalene	15.145	128	508449	109.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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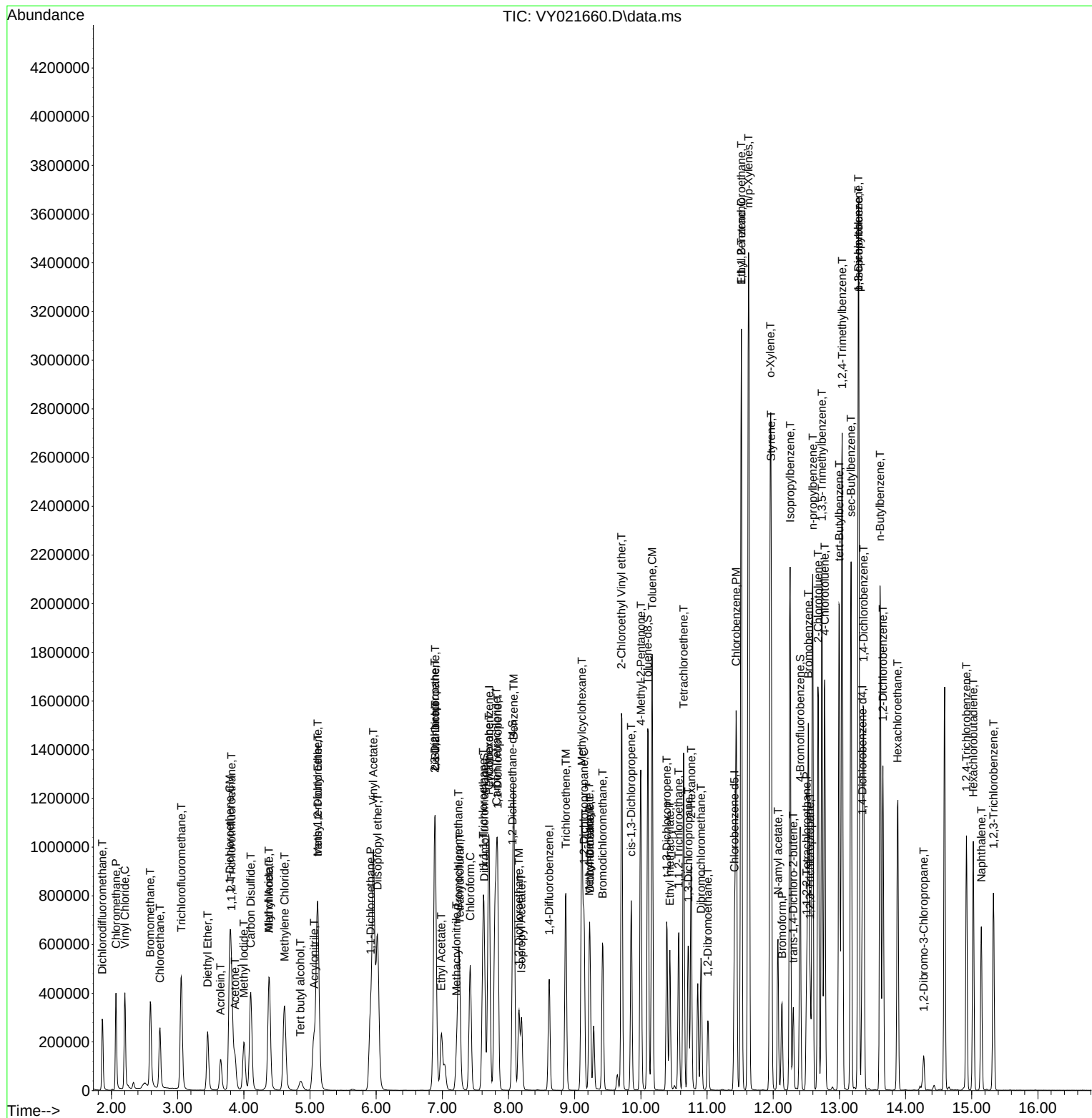
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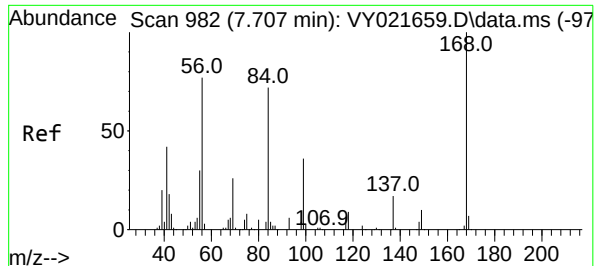
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025





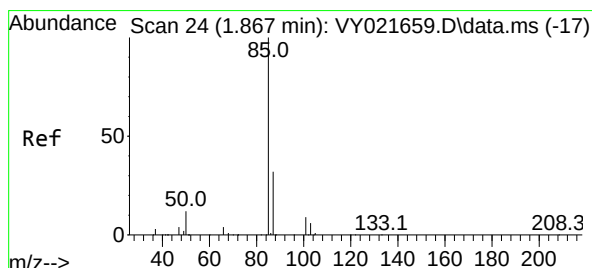
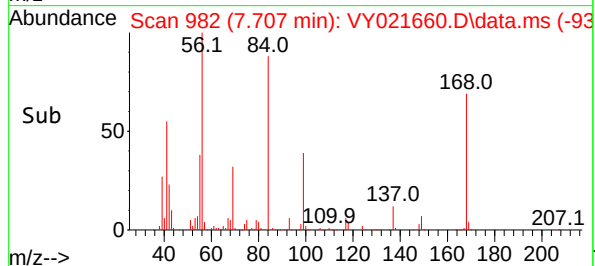
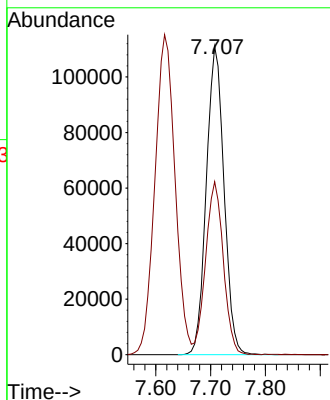
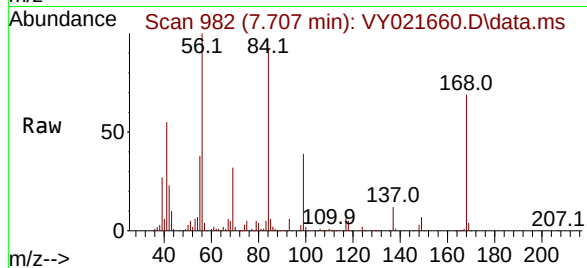
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 24804
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1

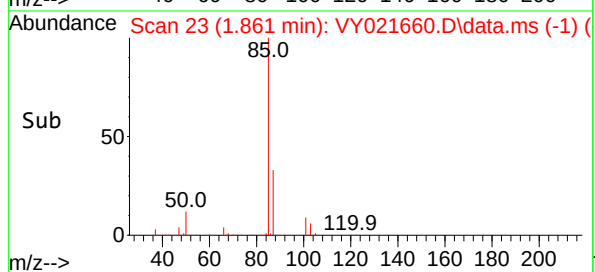
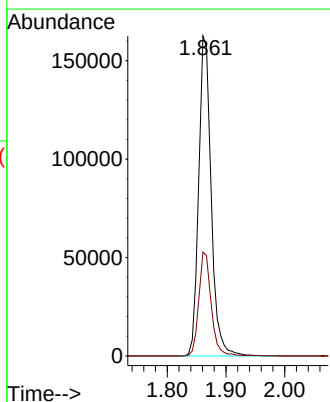
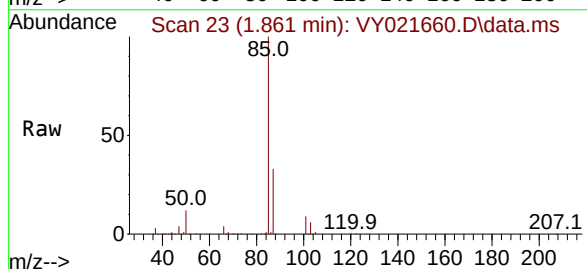
Manual Integrations
APPROVED

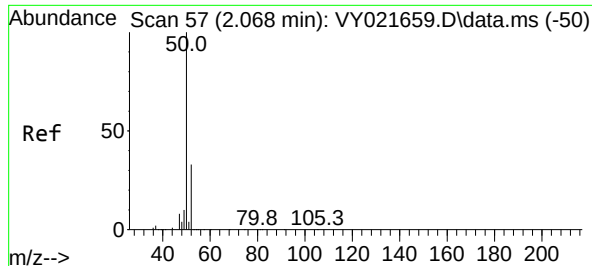
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 93.569 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 85 Resp: 240555
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.6





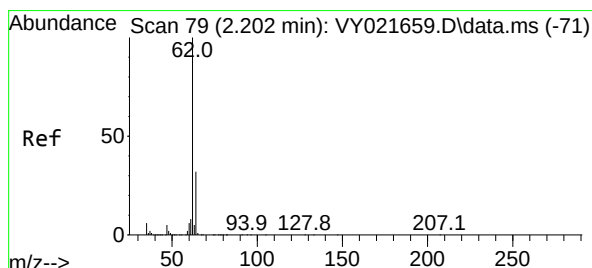
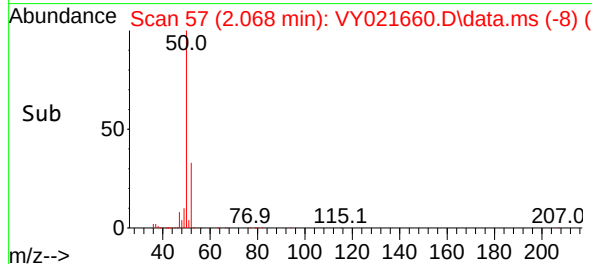
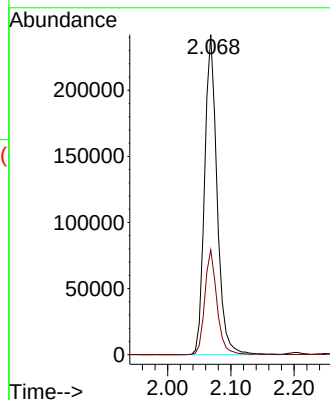
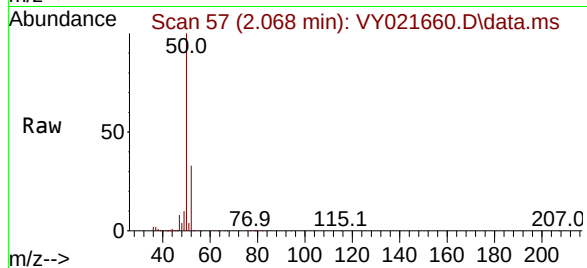
#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 33331
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

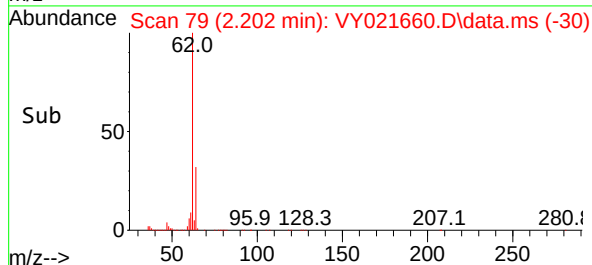
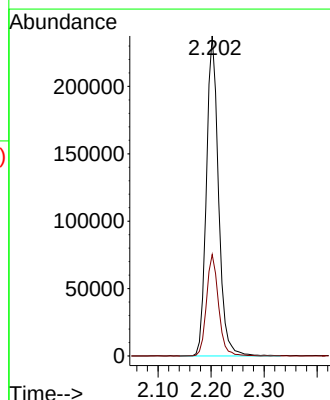
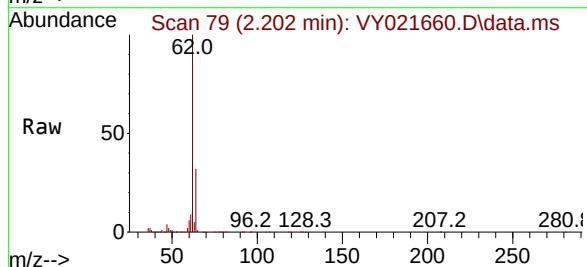
Manual Integrations
APPROVED

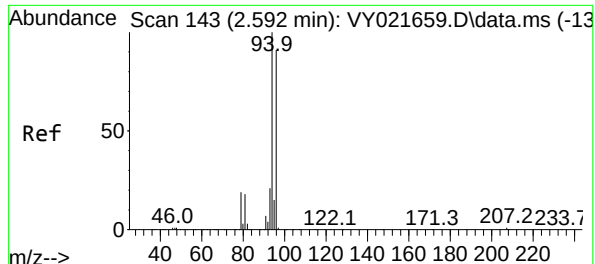
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 91.934 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 375853
Ion Ratio Lower Upper
62 100
64 31.7 25.5 38.3





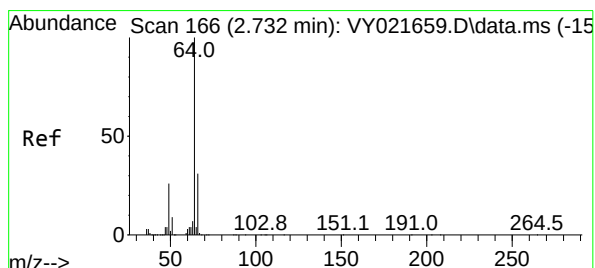
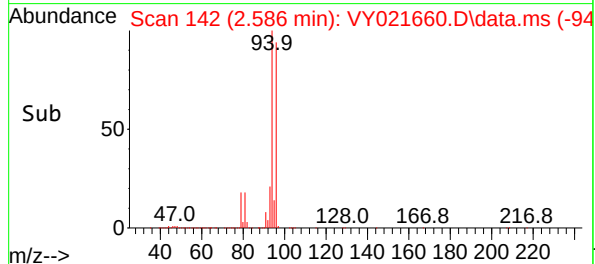
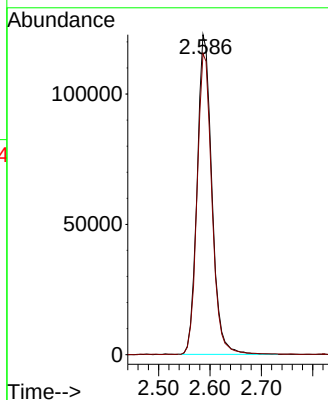
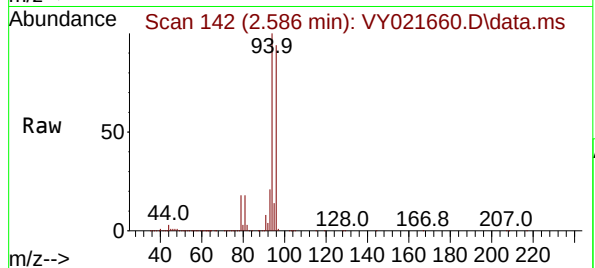
#5
Bromomethane
Concen: 87.885 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 24505
Ion Ratio Lower Upper
94 100
96 94.0 72.8 109.2

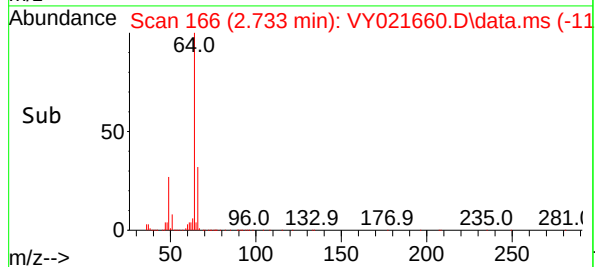
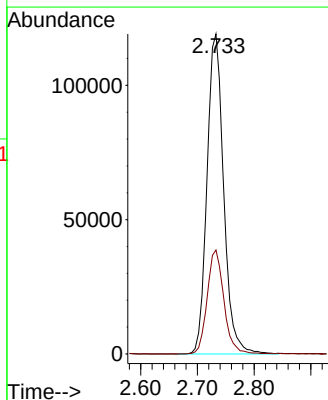
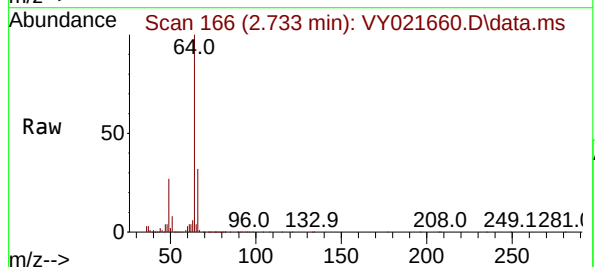
Manual Integrations
APPROVED

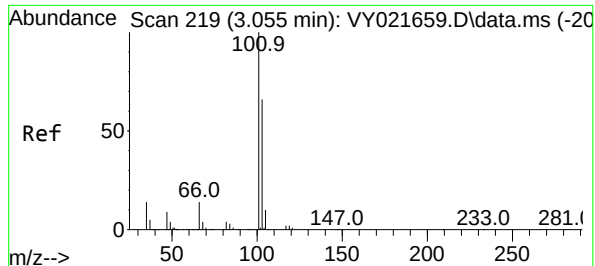
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#6
Chloroethane
Concen: 90.810 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

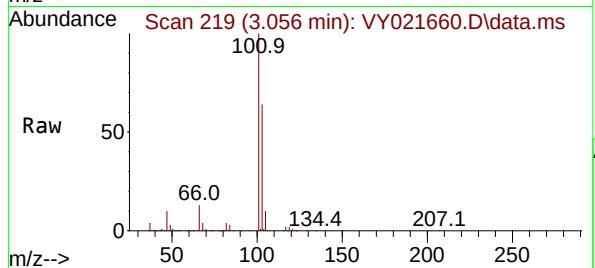
Tgt Ion: 64 Resp: 242934
Ion Ratio Lower Upper
64 100
66 32.5 24.9 37.3





#7
Trichlorofluoromethane
Concen: 91.568 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

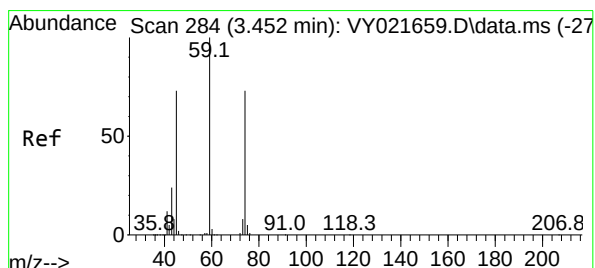
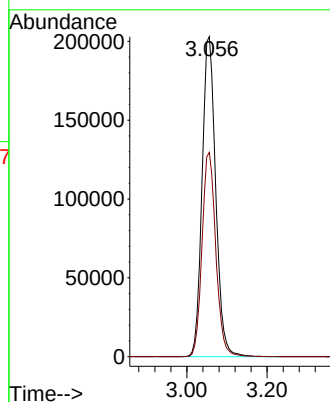
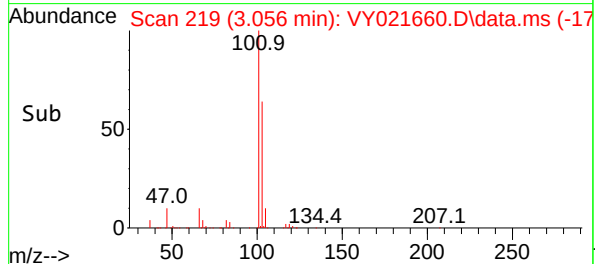
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 479554
Ion Ratio Lower Upper
101 100
103 63.9 53.1 79.7

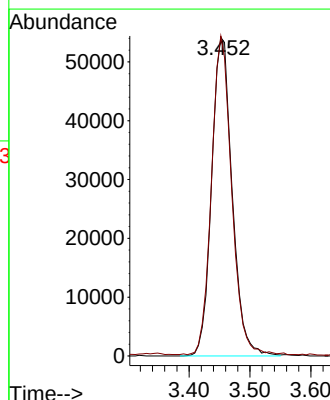
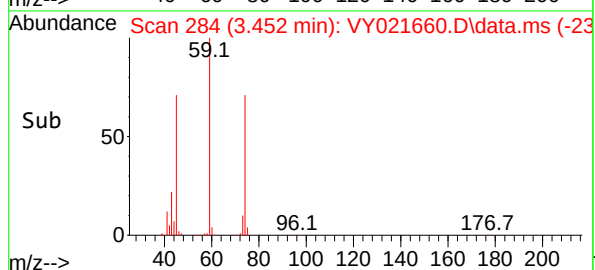
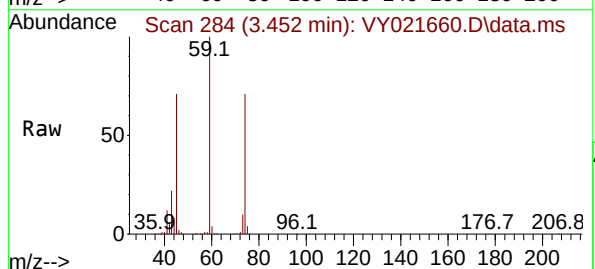
Manual Integrations
APPROVED

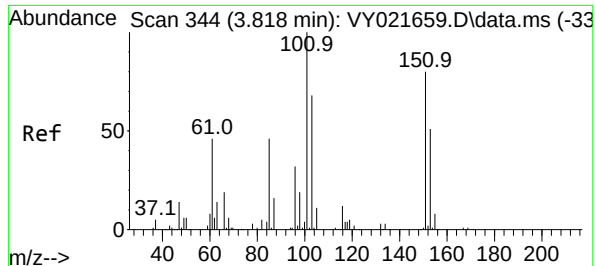
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 89.276 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 74 Resp: 127148
Ion Ratio Lower Upper
74 100
45 97.6 48.6 145.8





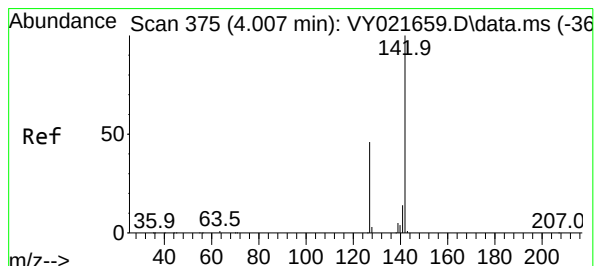
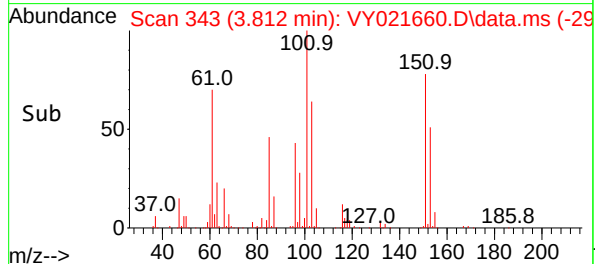
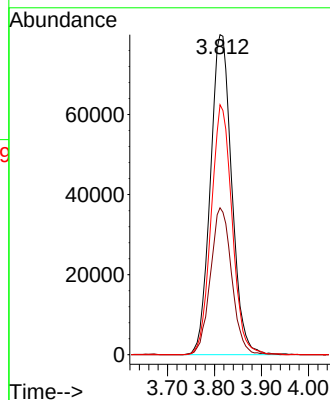
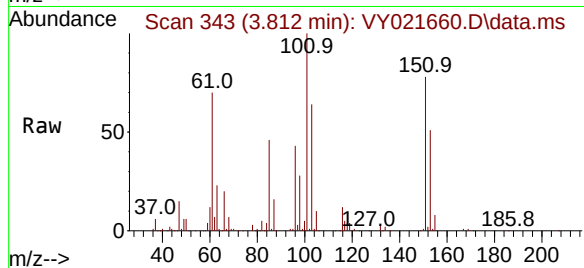
#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.550 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 25287
Ion Ratio Lower Upper
101 100
85 45.6 36.3 54.5
151 76.7 61.3 91.9

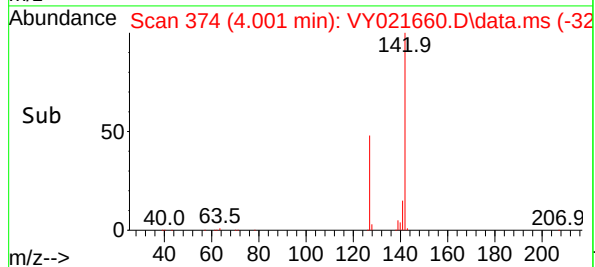
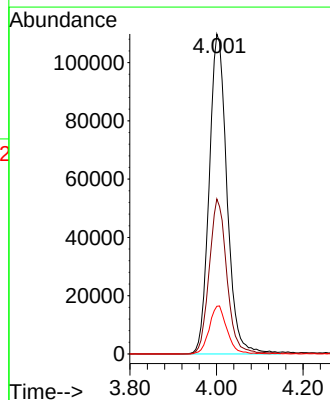
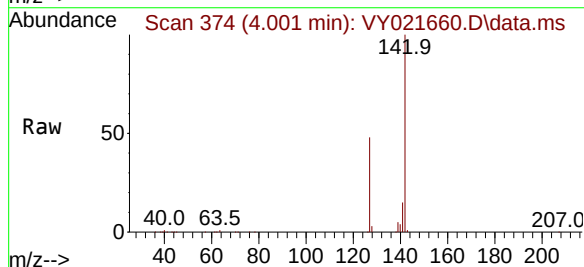
Manual Integrations
APPROVED

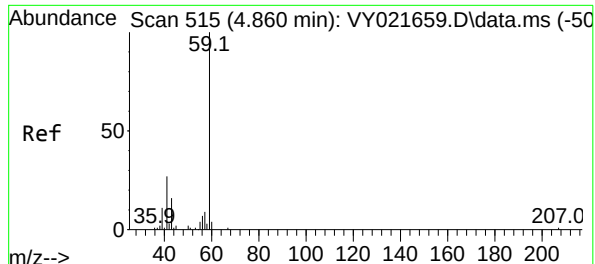
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10
Methyl Iodide
Concen: 103.371 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:142 Resp: 313241
Ion Ratio Lower Upper
142 100
127 48.2 38.7 58.1
141 15.0 11.5 17.3





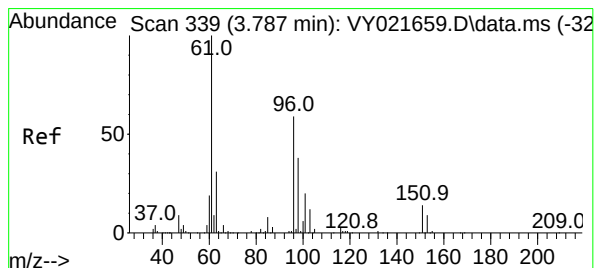
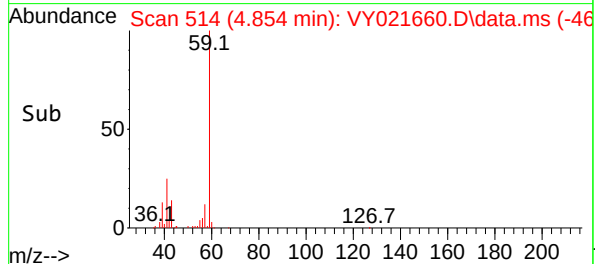
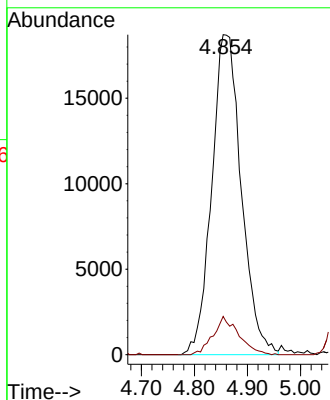
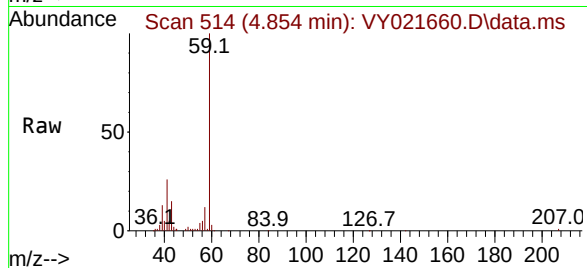
#11
Tert butyl alcohol
Concen: 415.131 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 72464
Ion Ratio Lower Upper
59 100
57 10.4 9.2 13.8

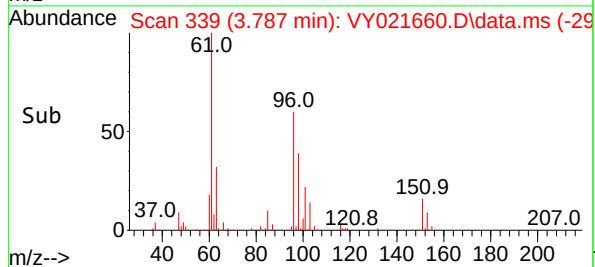
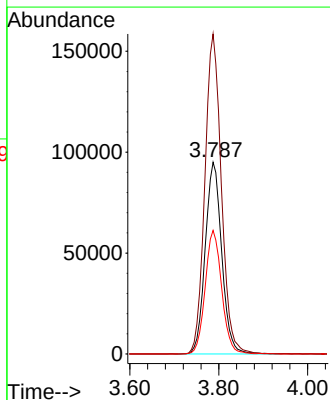
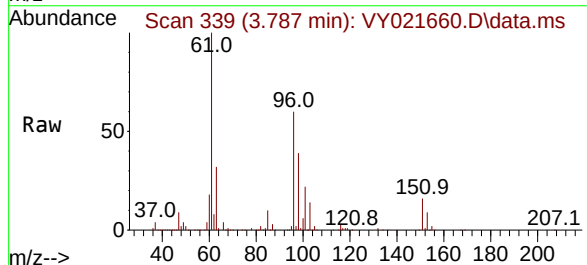
Manual Integrations
APPROVED

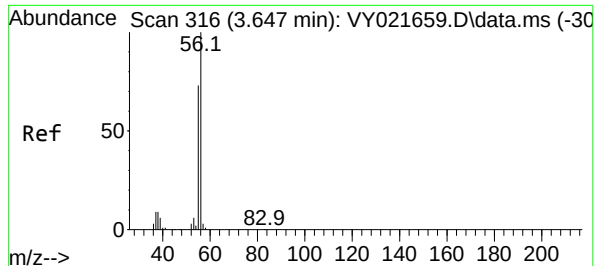
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#12
1,1-Dichloroethene
Concen: 94.504 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 245873
Ion Ratio Lower Upper
96 100
61 166.9 136.6 204.8
98 64.4 52.3 78.5





#13

Acrolein

Concen: 456.581 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 14552

Ion Ratio Lower Upper

56 100

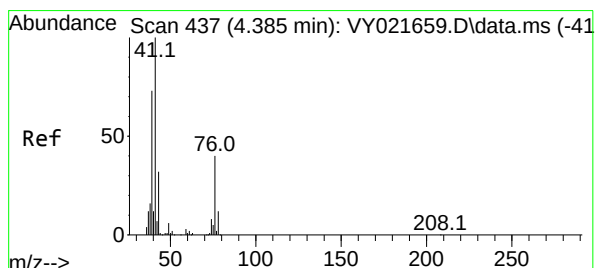
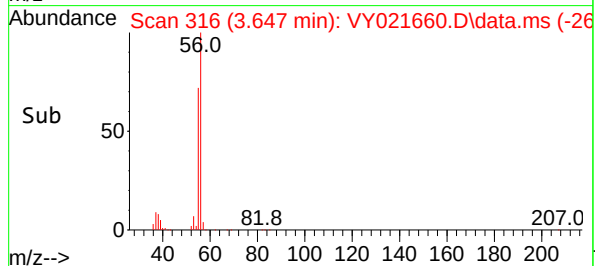
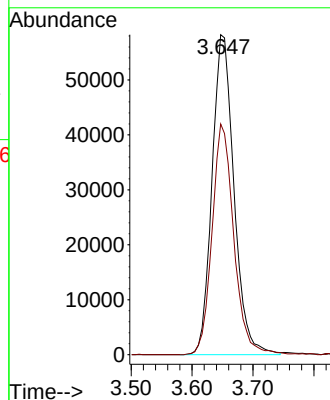
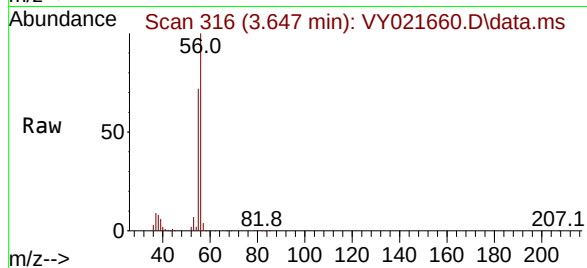
55 71.5 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 97.292 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

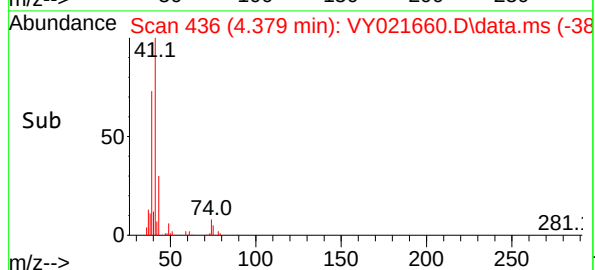
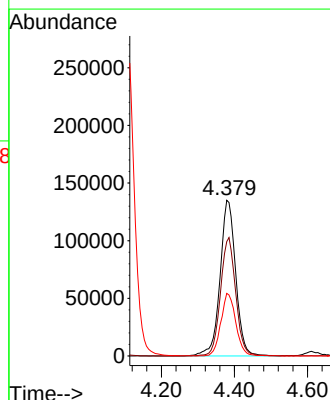
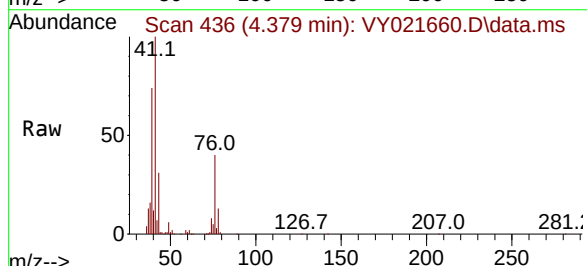
Tgt Ion: 41 Resp: 403587

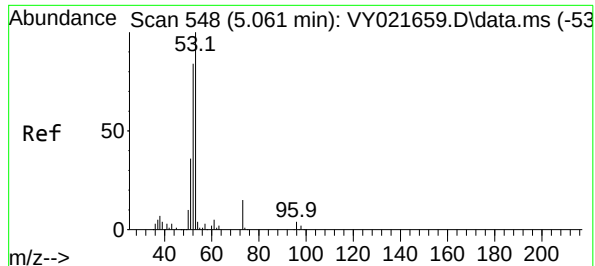
Ion Ratio Lower Upper

41 100

39 74.0 58.6 88.0

76 38.3 30.3 45.5





#15

Acrylonitrile

Concen: 454.005 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

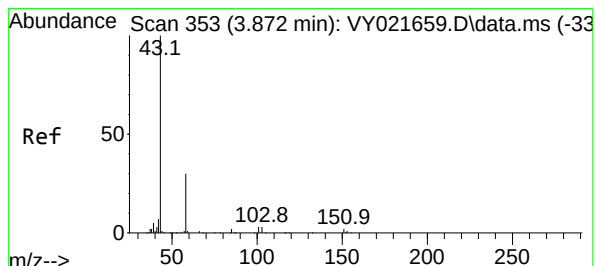
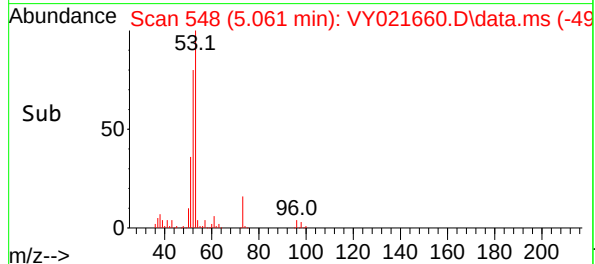
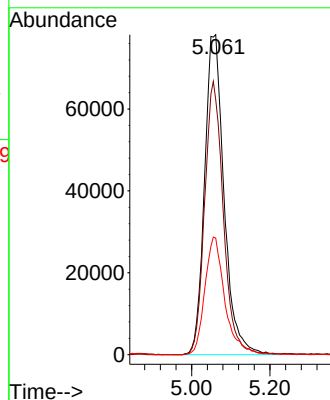
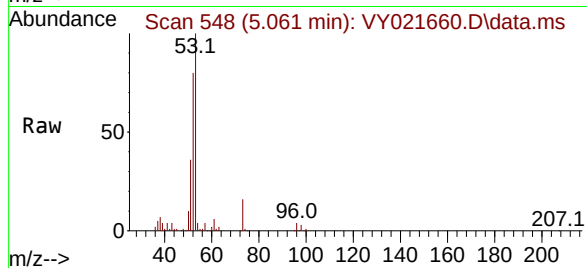
ClientSampleId :

VSTDICC100

Tgt Ion:	53	Resp:	269979
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.9	97.3
51	37.8	30.2	45.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 391.376 ug/l

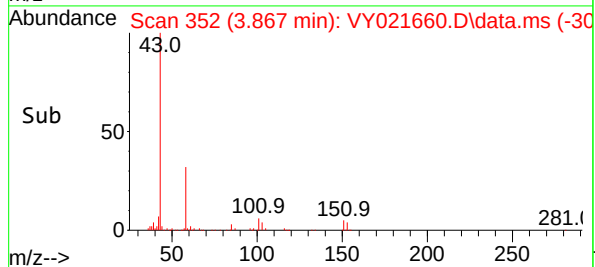
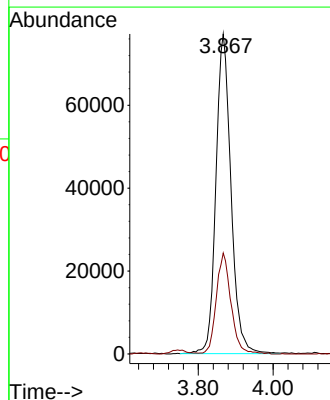
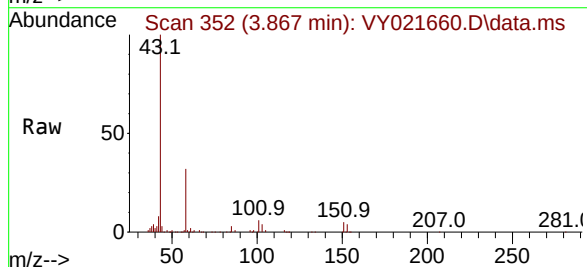
RT: 3.867 min Scan# 352

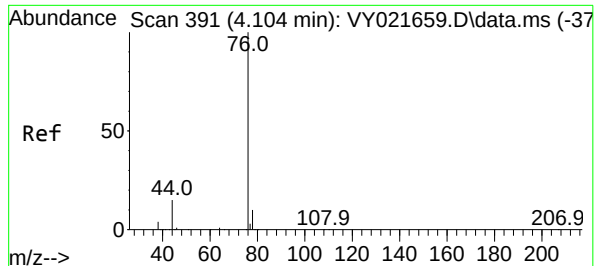
Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion:	43	Resp:	215263
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.2	36.4





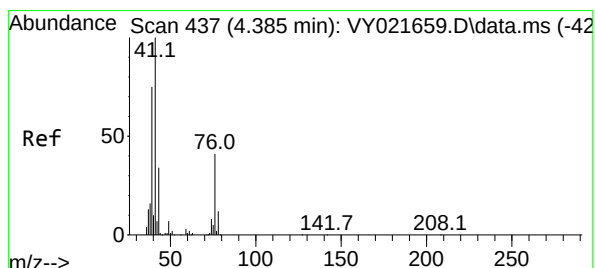
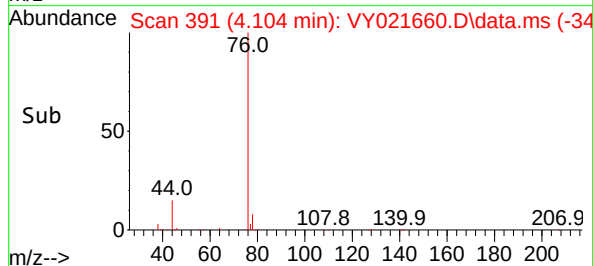
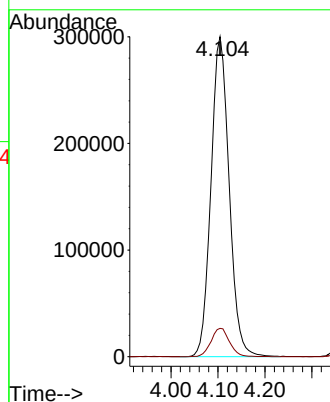
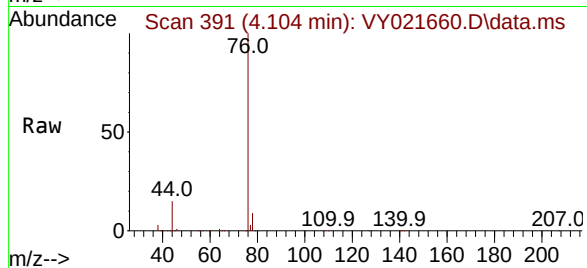
#17
Carbon Disulfide
Concen: 93.952 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 805100
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

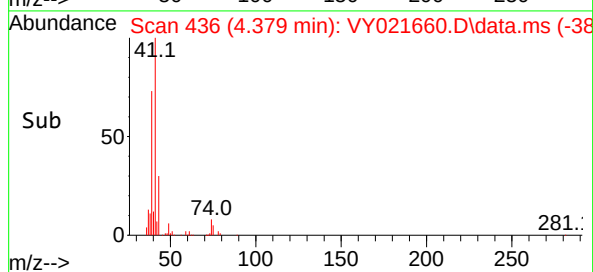
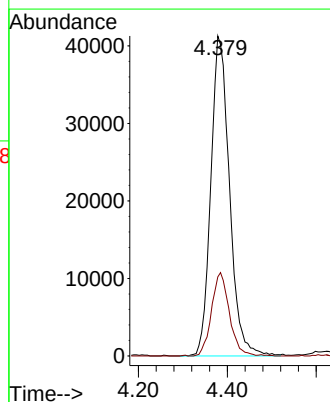
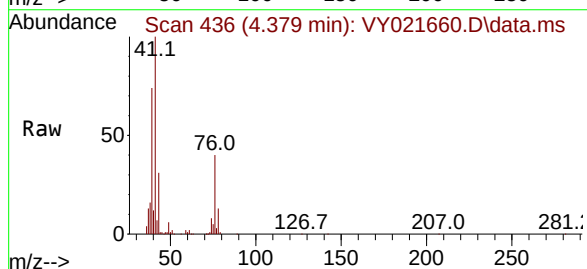
Manual Integrations
APPROVED

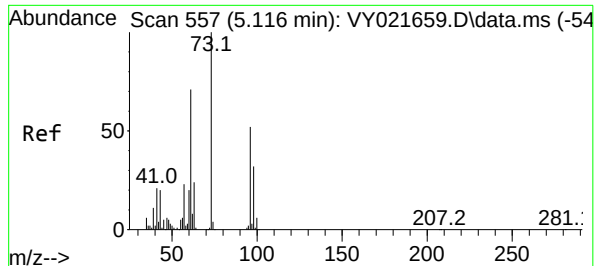
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 88.304 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 120373
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 96.160 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 622864

Ion Ratio Lower Upper

73 100

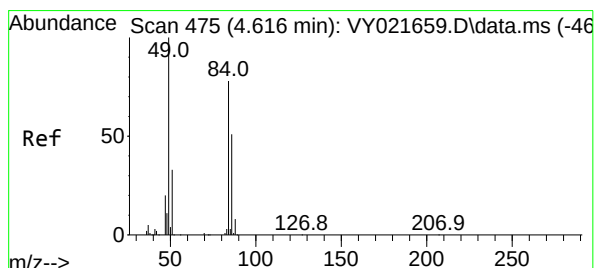
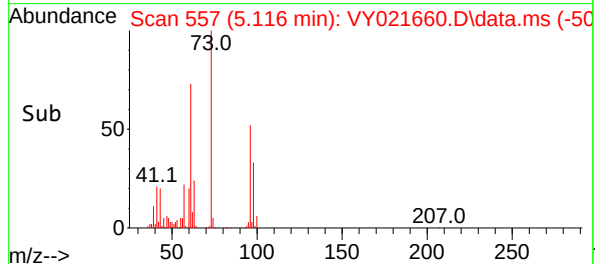
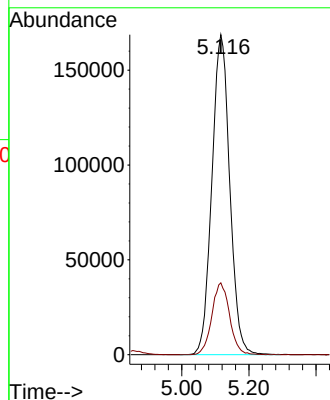
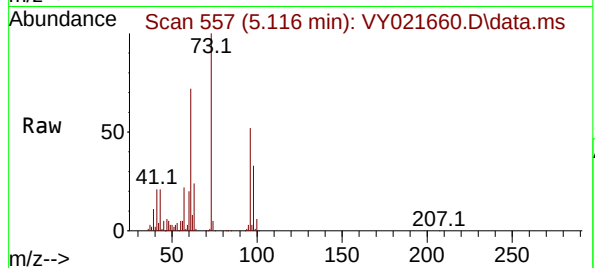
57 22.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 99.325 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion: 84 Resp: 257053

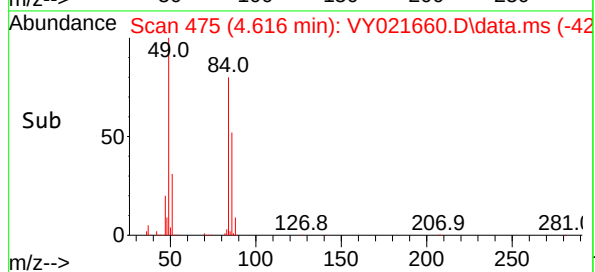
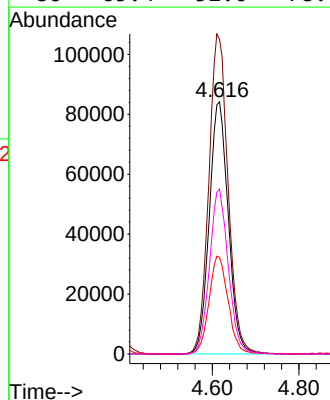
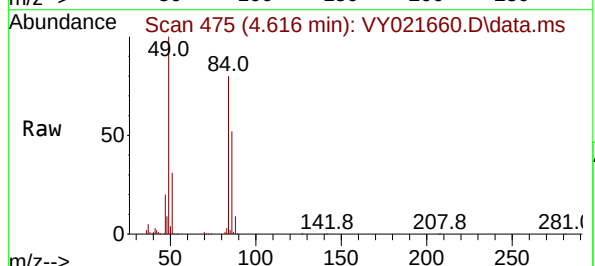
Ion Ratio Lower Upper

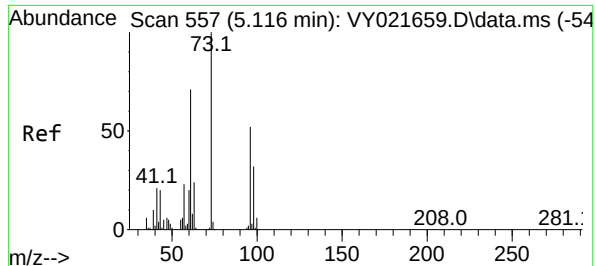
84 100

49 124.8 102.8 154.2

51 38.3 33.5 50.3

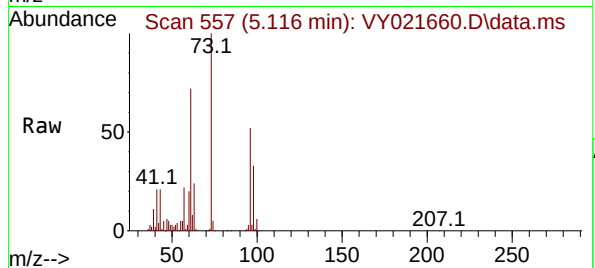
86 65.4 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 95.485 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

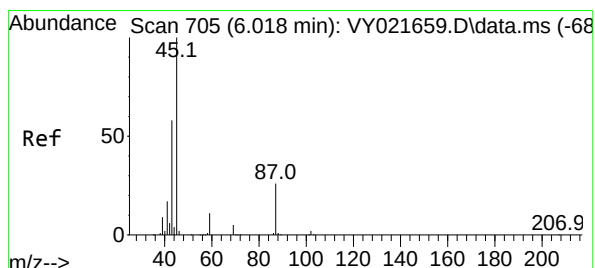
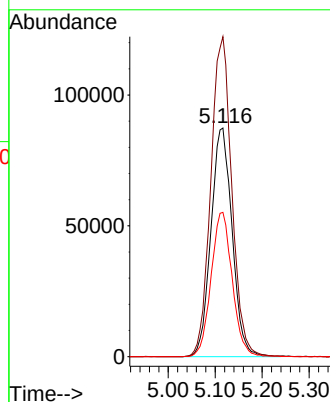
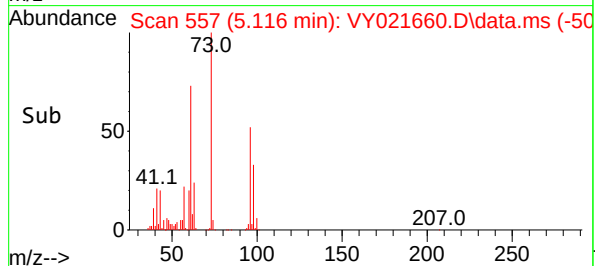
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 273524
Ion Ratio Lower Upper
96 100
61 140.0 109.4 164.0
98 63.1 50.2 75.2

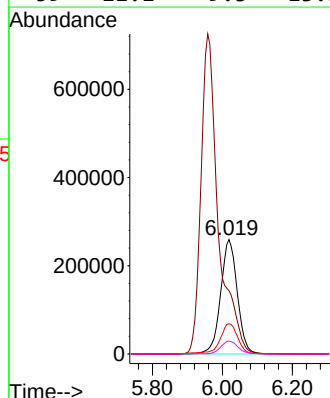
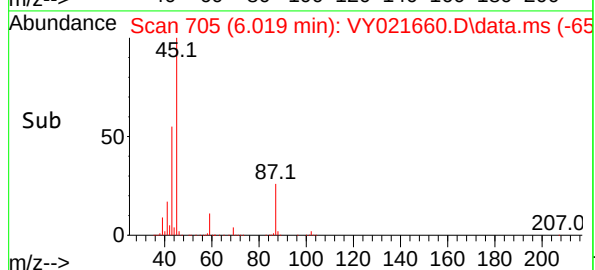
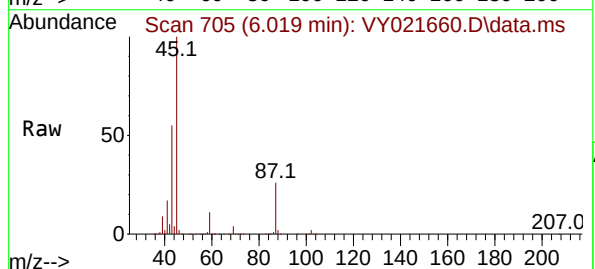
Manual Integrations
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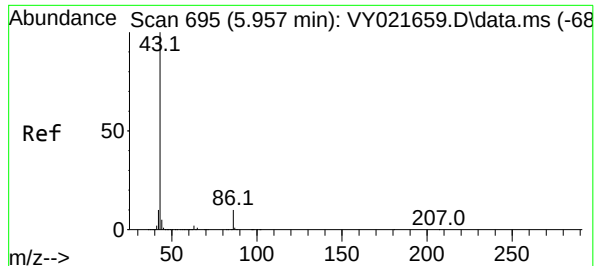
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 98.345 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 45 Resp: 855783
Ion Ratio Lower Upper
45 100
43 55.2 46.6 69.8
87 26.5 20.7 31.1
59 11.1 9.3 13.9





#23

Vinyl Acetate

Concen: 489.304 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 249086

Ion Ratio Lower Upper

43 100

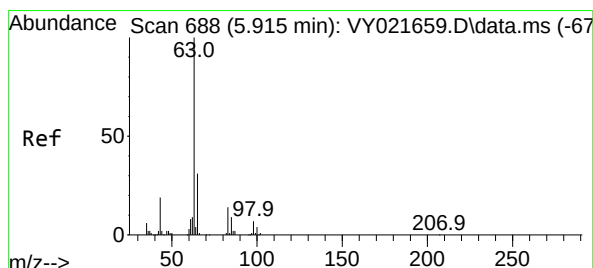
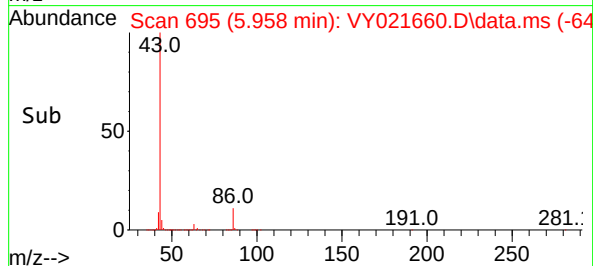
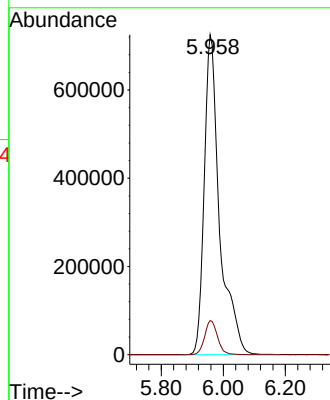
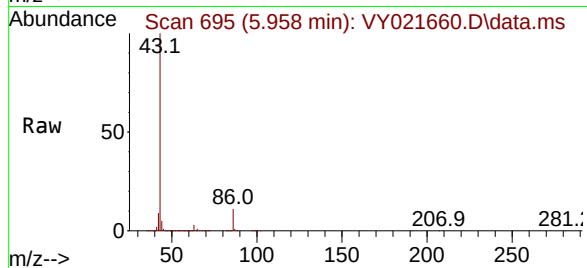
86 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 94.595 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

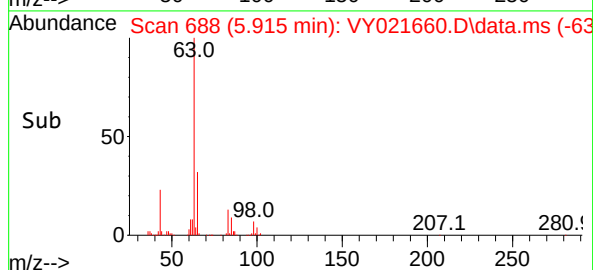
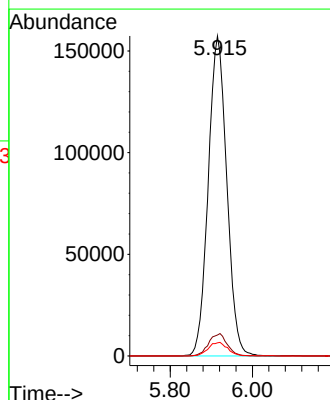
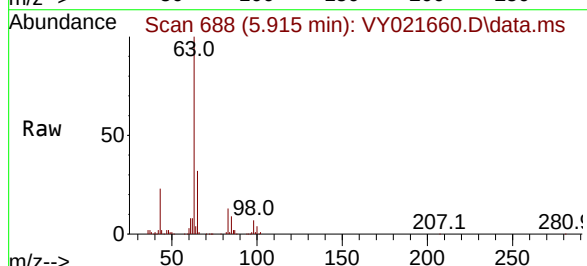
Tgt Ion: 63 Resp: 492205

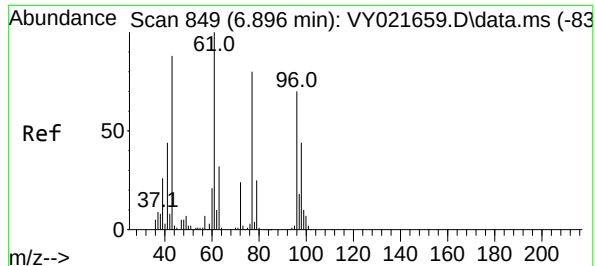
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 442.999 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 34801

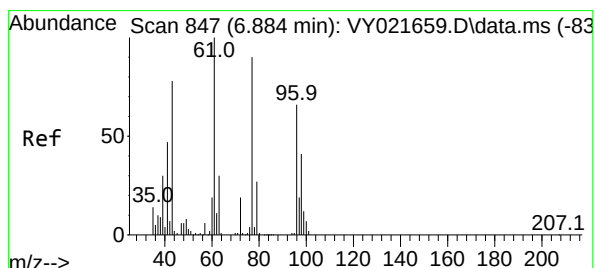
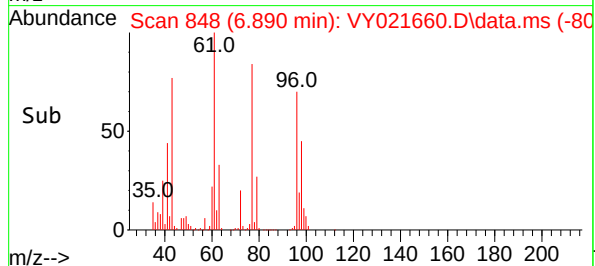
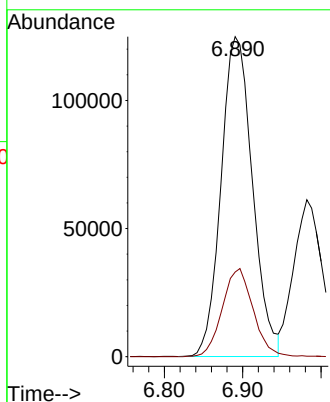
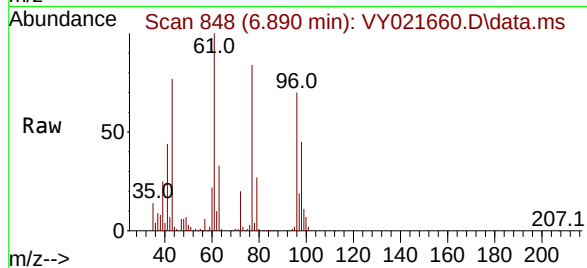
Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#26

2,2-Dichloropropane

Concen: 94.960 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021660.D

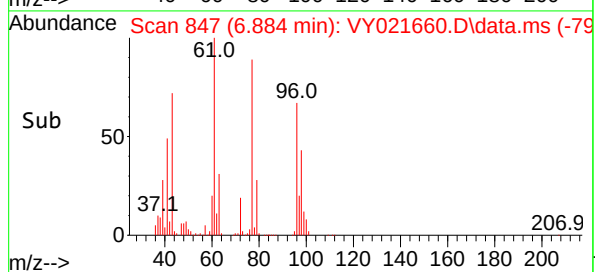
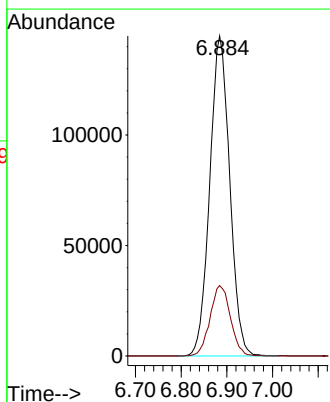
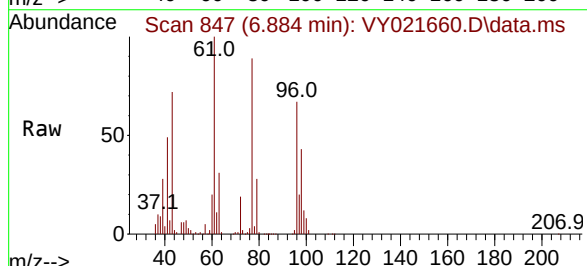
Acq: 27 Mar 2025 11:39

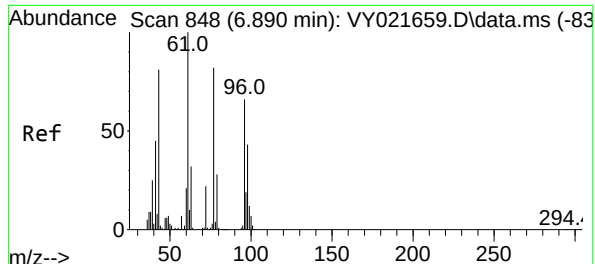
Tgt Ion: 77 Resp: 439519

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 97.115 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 312849

Ion Ratio Lower Upper

96 100

61 147.7 0.0 296.4

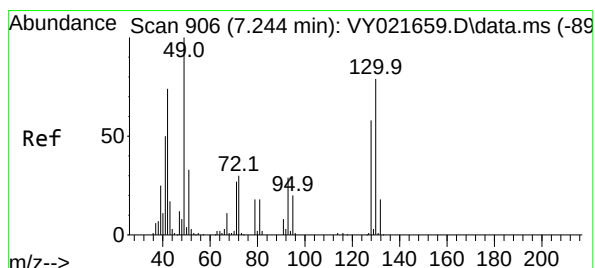
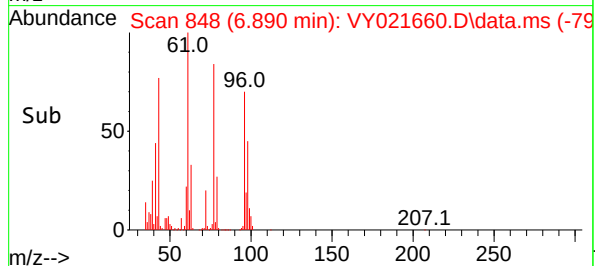
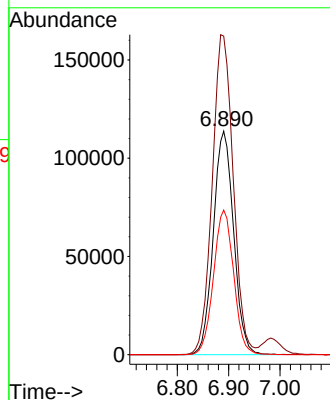
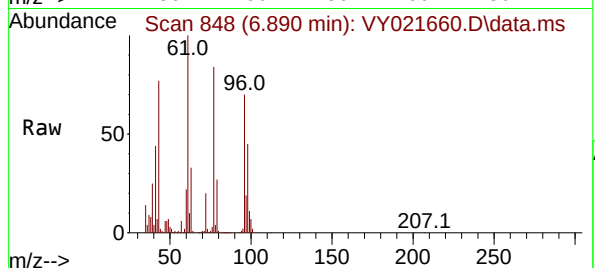
98 64.2 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 94.860 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

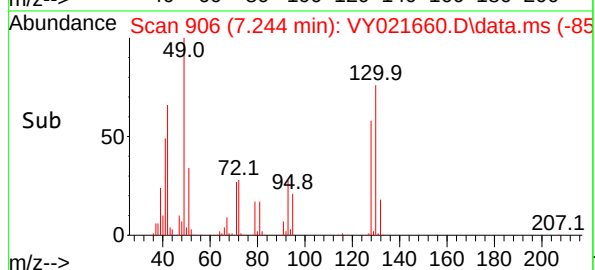
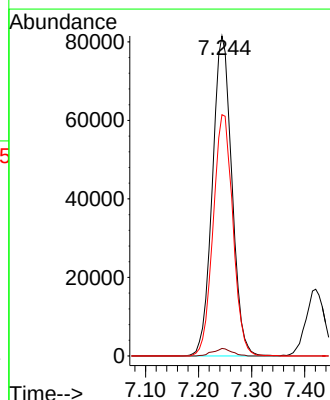
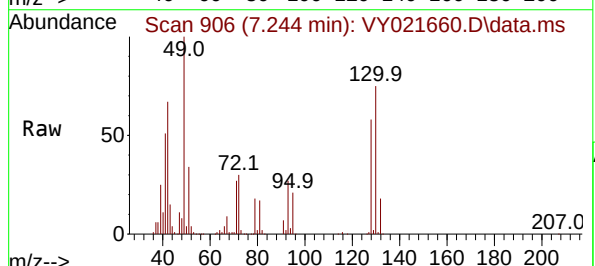
Tgt Ion: 49 Resp: 208162

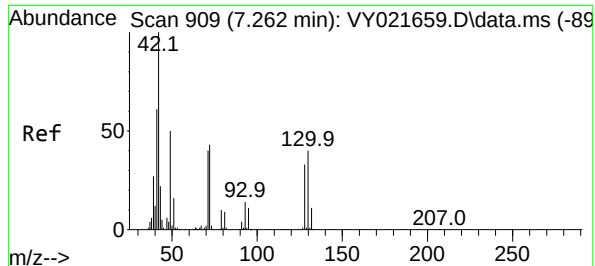
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.3 60.1 90.1





#29

Tetrahydrofuran

Concen: 457.752 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 231439

Ion Ratio Lower Upper

42 100

72 44.0 34.6 52.0

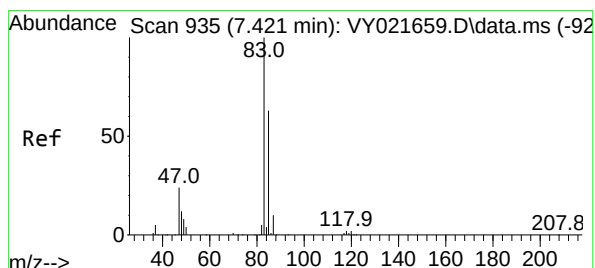
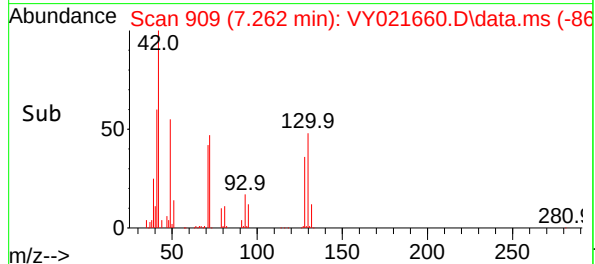
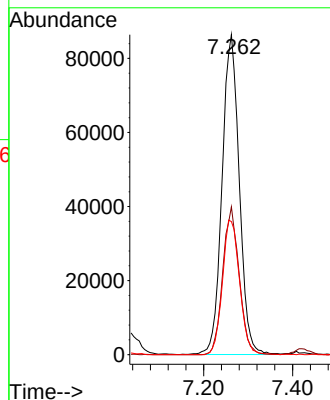
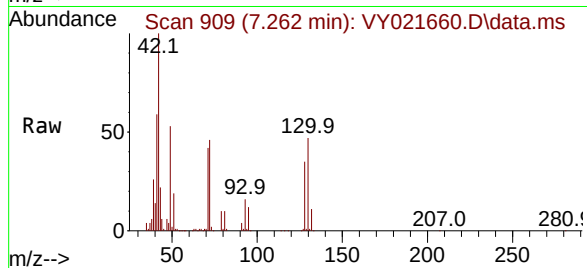
71 42.0 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 94.087 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021660.D

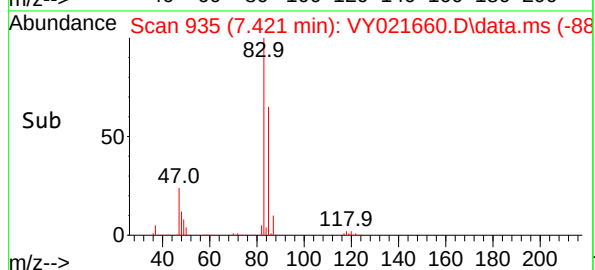
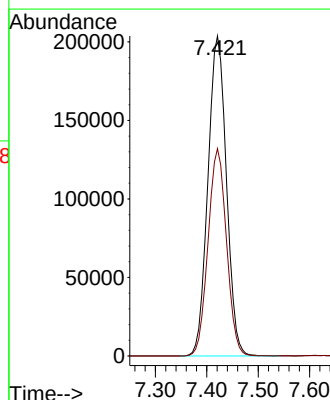
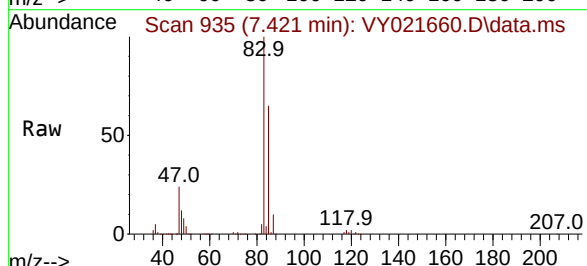
Acq: 27 Mar 2025 11:39

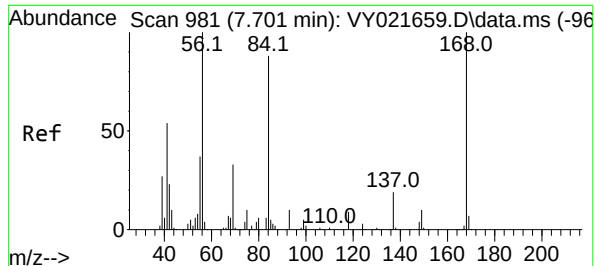
Tgt Ion: 83 Resp: 509194

Ion Ratio Lower Upper

83 100

85 64.8 50.6 75.8





#31

Cyclohexane

Concen: 92.706 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 439720

Ion Ratio Lower Upper

56 100

69 32.7 26.6 40.0

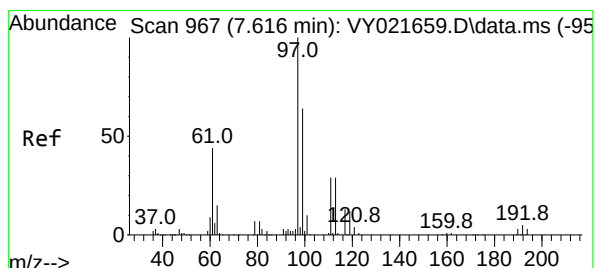
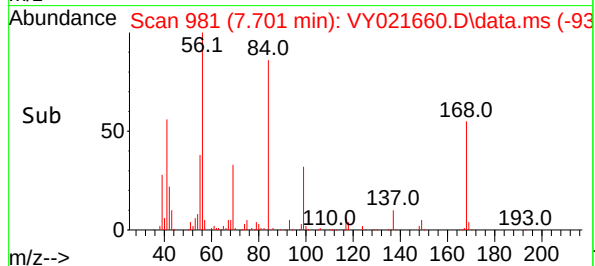
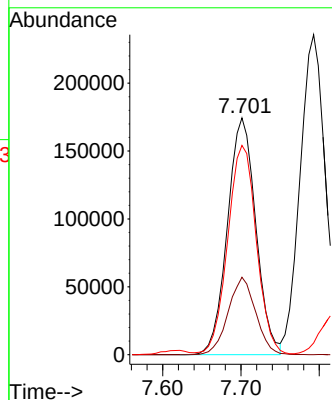
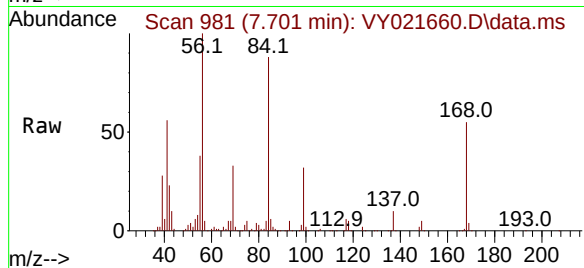
84 86.5 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 94.182 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

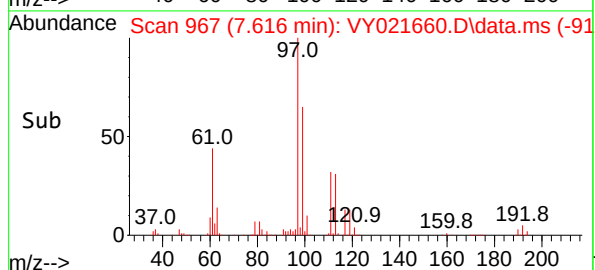
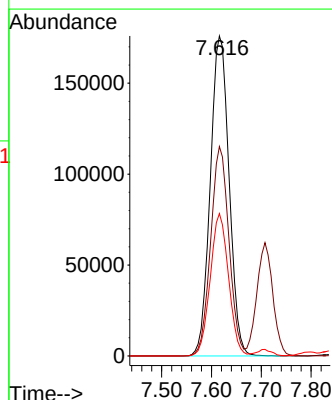
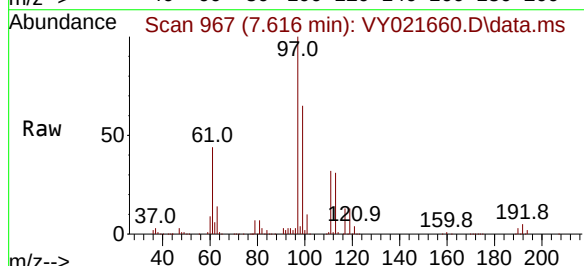
Tgt Ion: 97 Resp: 460680

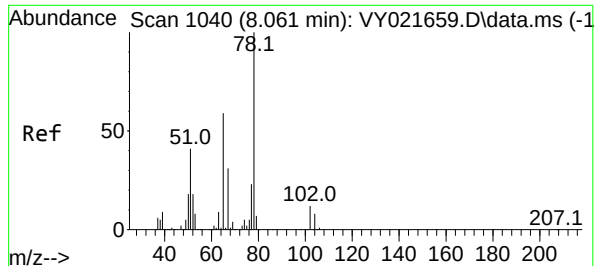
Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 43.5 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 94.129 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 252968

Ion Ratio Lower Upper

65 100

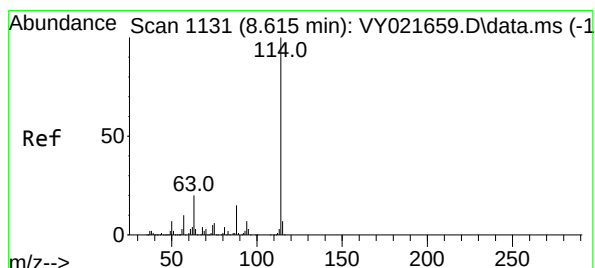
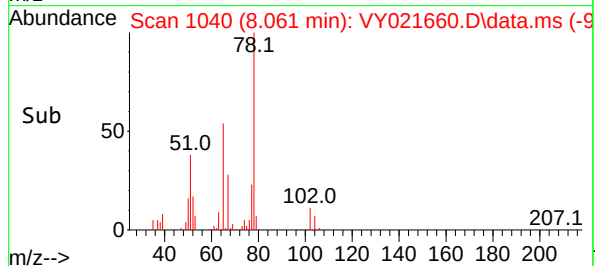
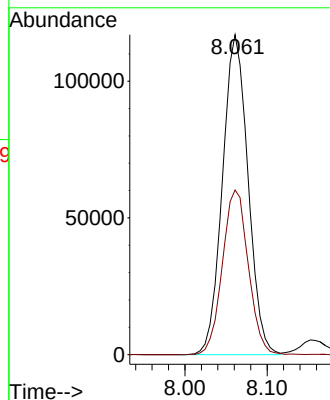
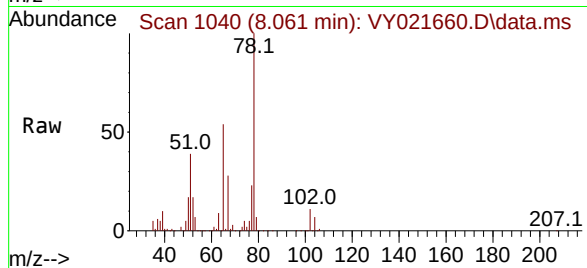
67 52.2 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

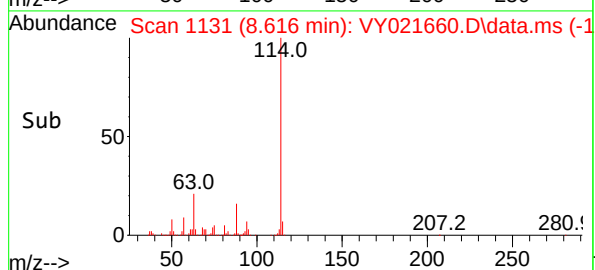
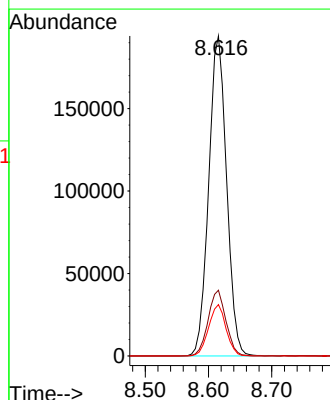
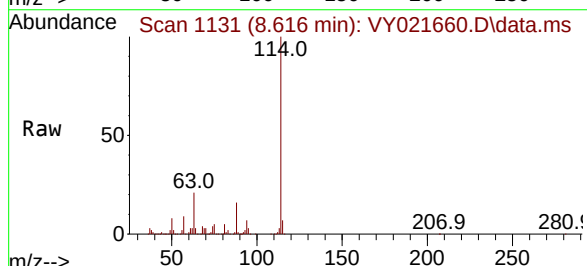
Tgt Ion:114 Resp: 380682

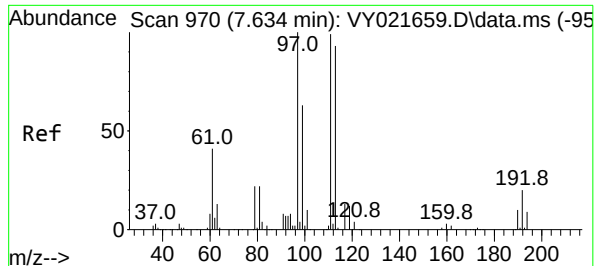
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 16.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 100.177 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 247380

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

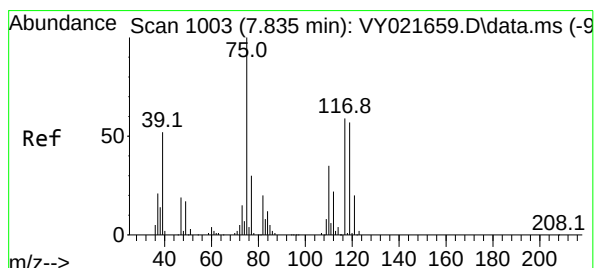
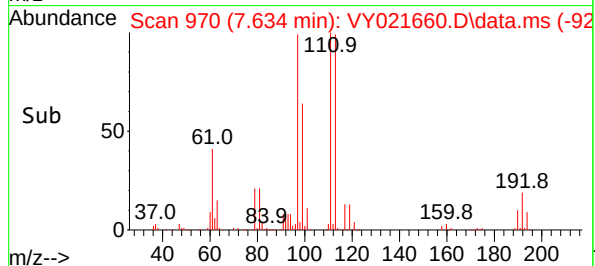
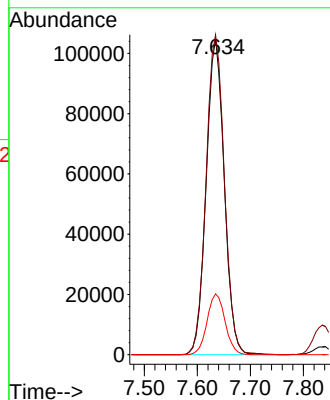
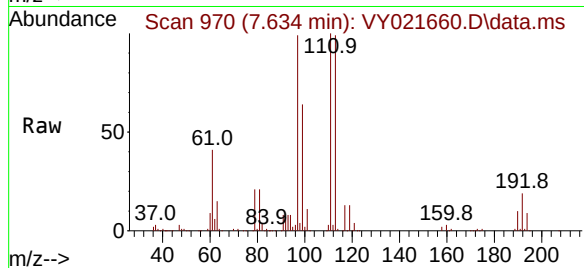
192 19.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 98.035 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

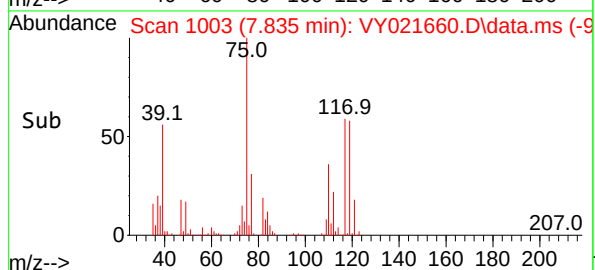
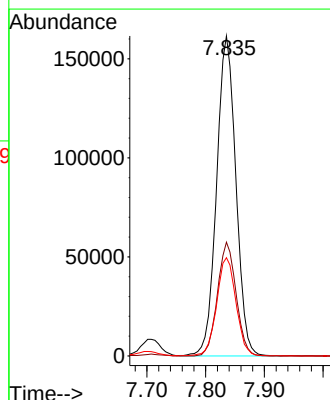
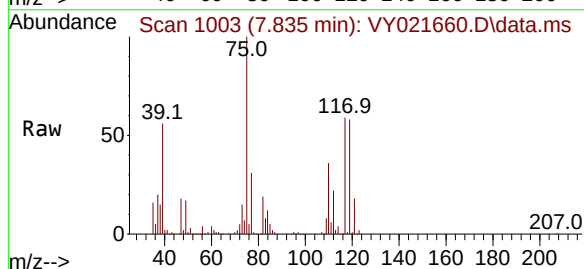
Tgt Ion: 75 Resp: 368741

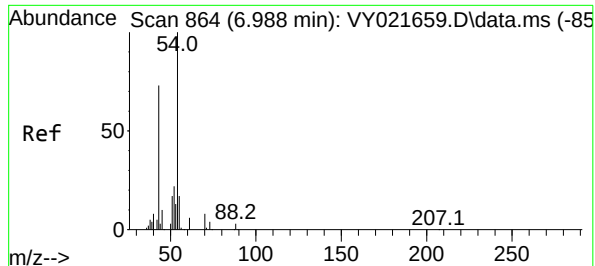
Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

77 30.8 24.8 37.2





#37

Ethyl Acetate

Concen: 90.529 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 160700

Ion Ratio Lower Upper

43 100

61 13.9 11.0 16.6

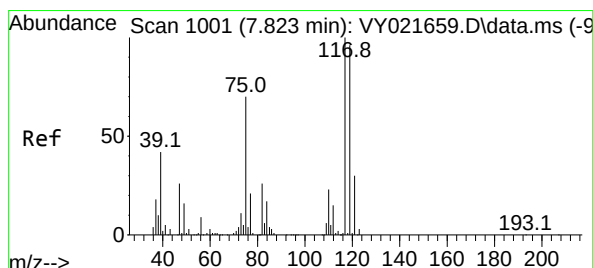
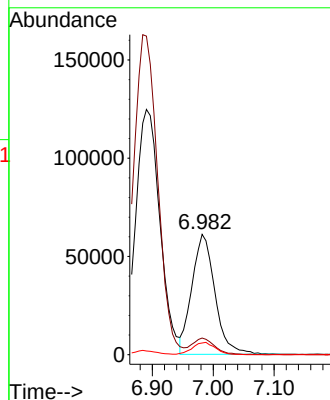
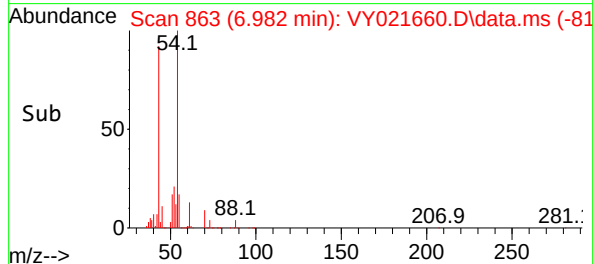
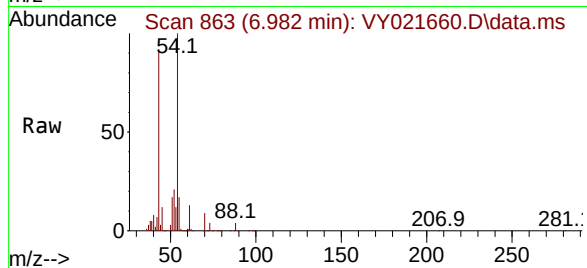
70 10.2 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 96.746 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

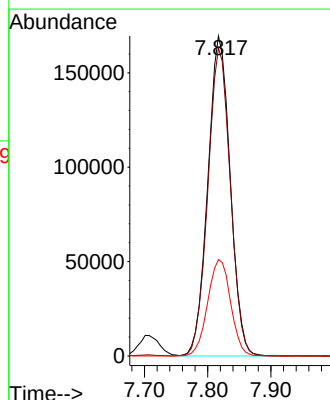
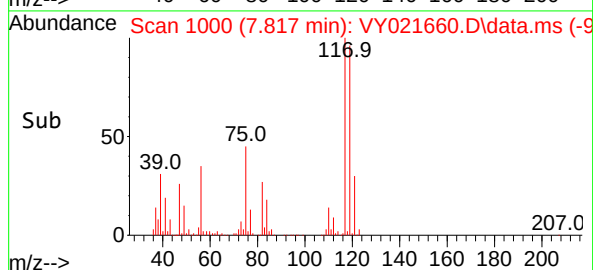
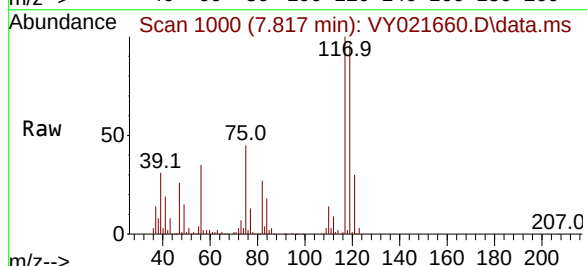
Tgt Ion:117 Resp: 416779

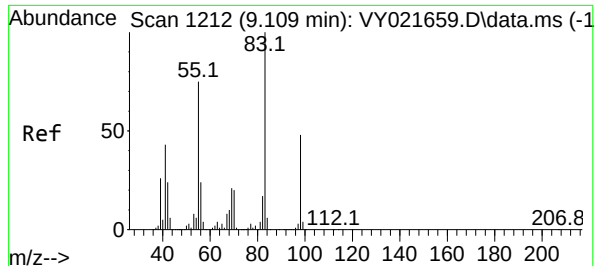
Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.4

121 30.1 24.2 36.4





#39

Methylcyclohexane

Concen: 103.663 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 465789

Ion Ratio Lower Upper

83 100

55 73.0 59.7 89.5

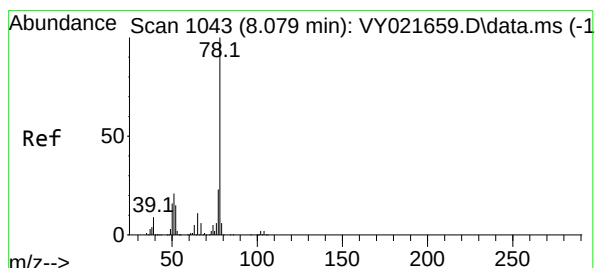
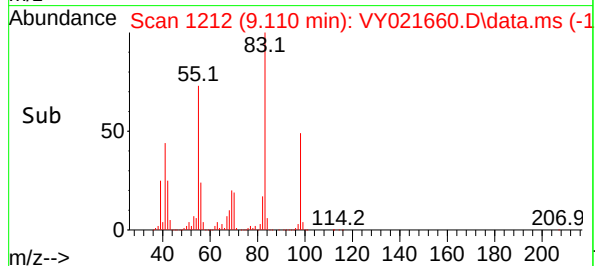
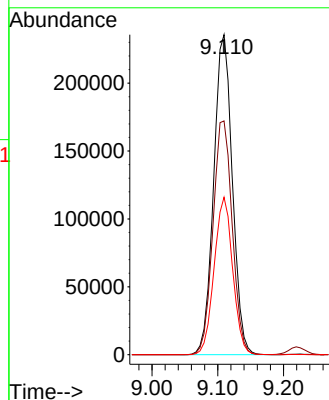
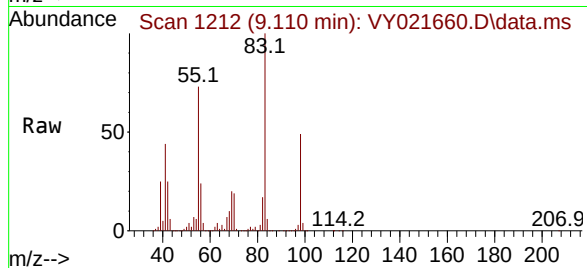
98 49.2 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 97.692 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021660.D

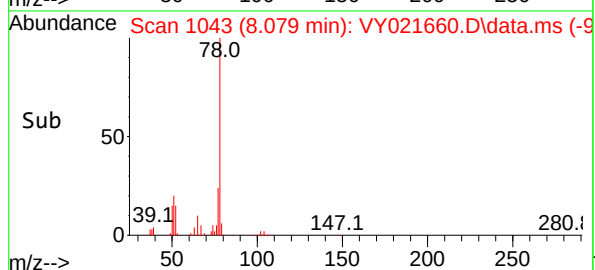
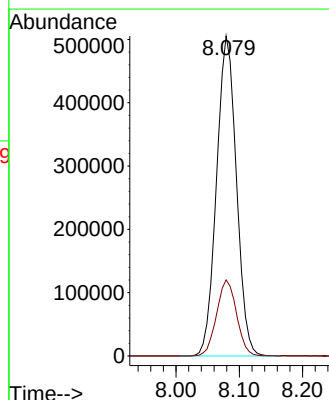
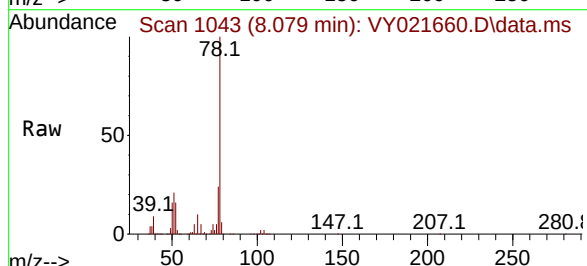
Acq: 27 Mar 2025 11:39

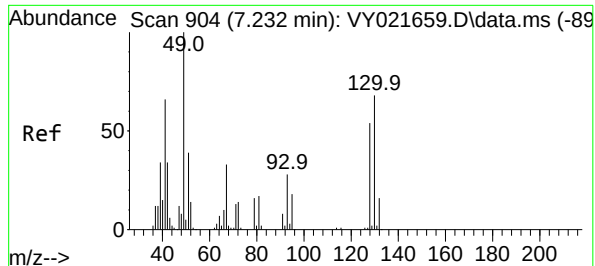
Tgt Ion: 78 Resp: 1100425

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 92.176 ug/l

RT: 7.213 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 8688

Ion Ratio Lower Upper

41 100

39 52.8 0.0 0.0

67 78.1 0.0 0.0

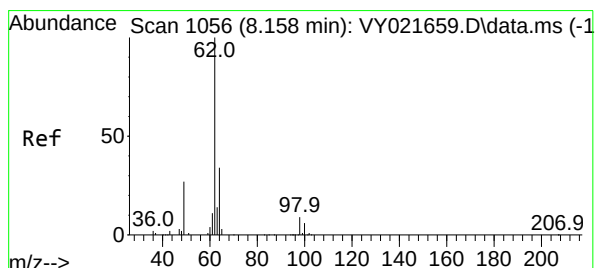
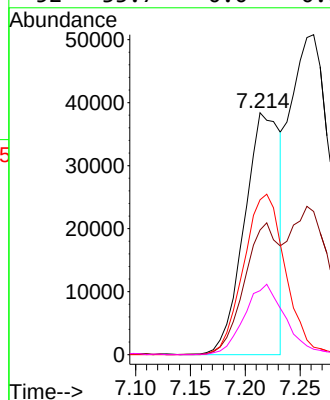
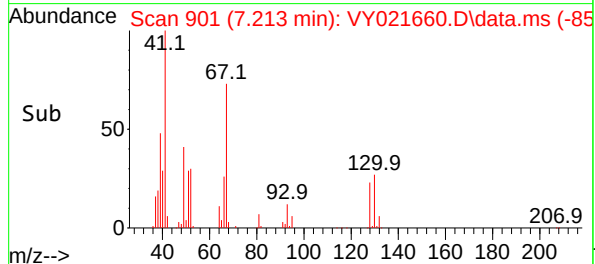
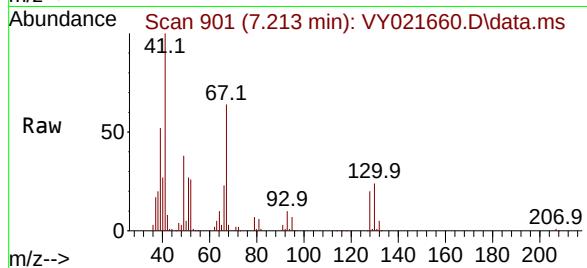
52 33.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#42

1,2-Dichloroethane

Concen: 93.952 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021660.D

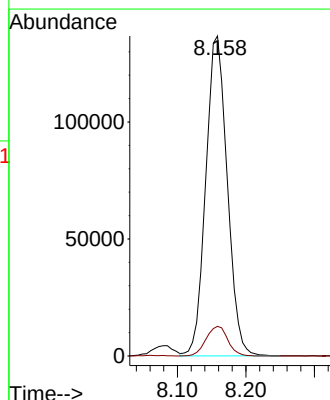
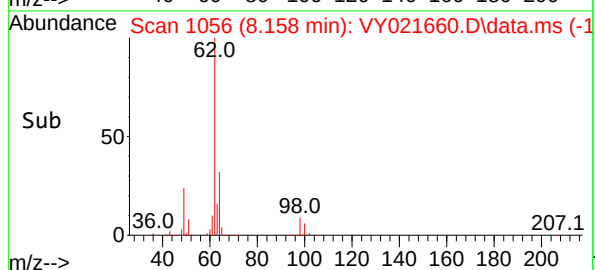
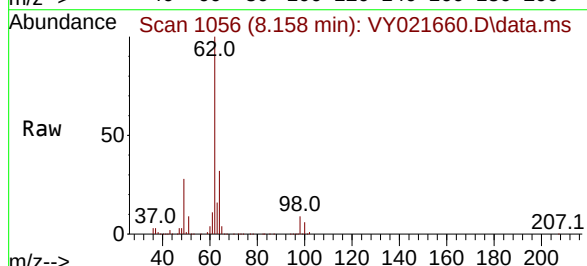
Acq: 27 Mar 2025 11:39

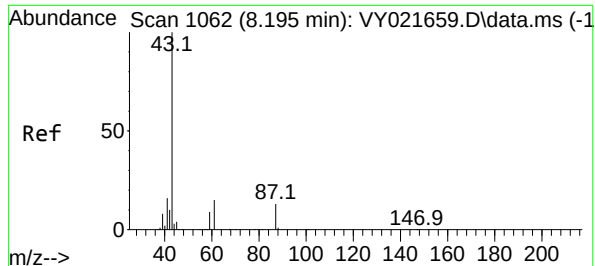
Tgt Ion: 62 Resp: 298349

Ion Ratio Lower Upper

62 100

98 9.4 0.0 18.4





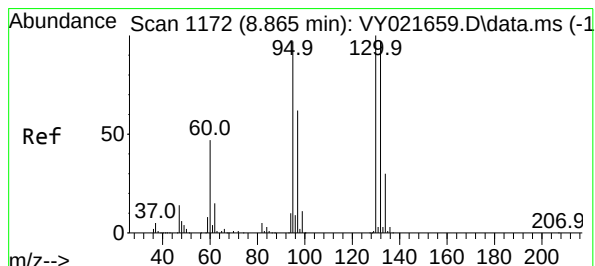
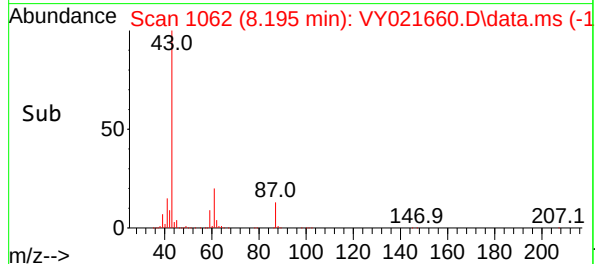
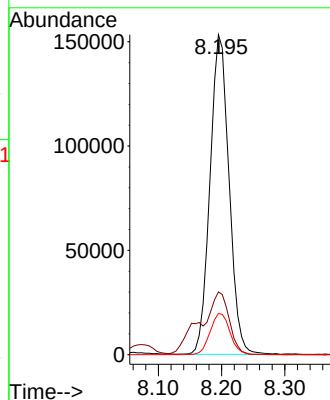
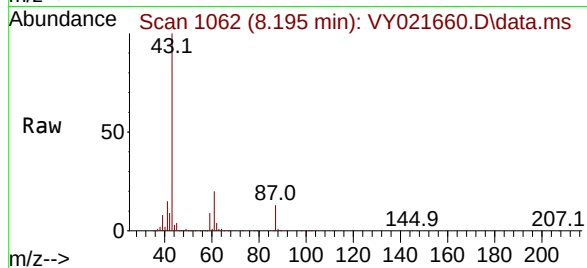
#43
Isopropyl Acetate
Concen: 95.153 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 320092
Ion Ratio Lower Upper
43 100
61 20.0 15.9 23.9
87 13.4 10.4 15.6

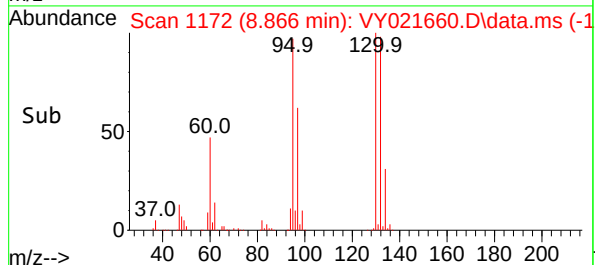
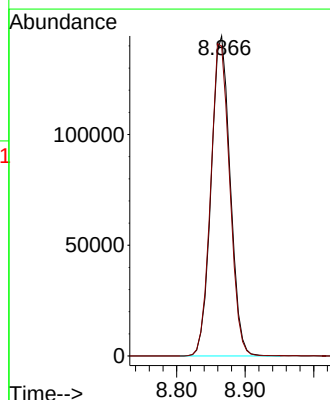
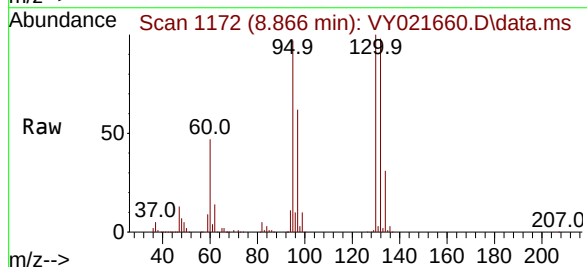
Manual Integrations
APPROVED

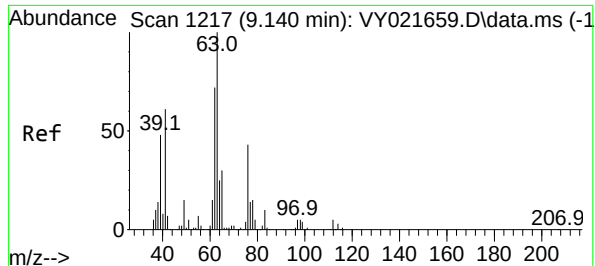
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44
Trichloroethene
Concen: 97.190 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:130 Resp: 278937
Ion Ratio Lower Upper
130 100
95 96.9 0.0 194.8





#45

1,2-Dichloropropane

Concen: 97.163 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 25906

Ion Ratio Lower Upper

63 100

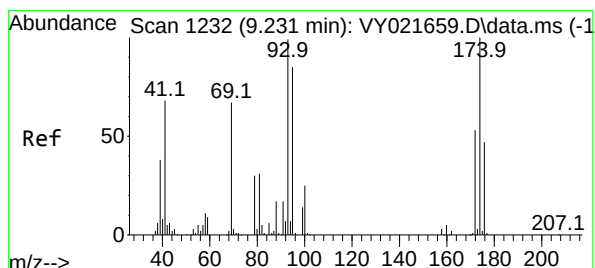
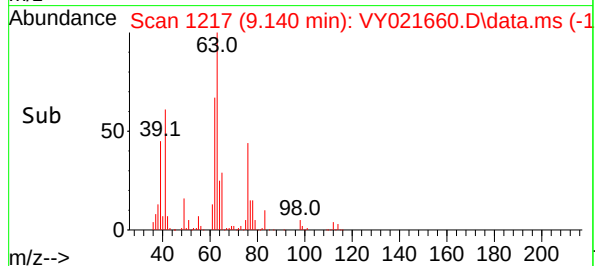
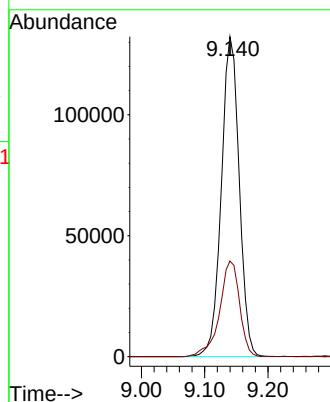
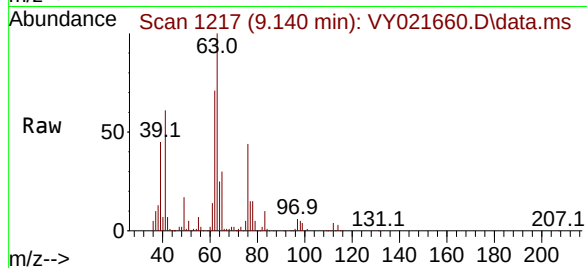
65 29.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 94.482 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

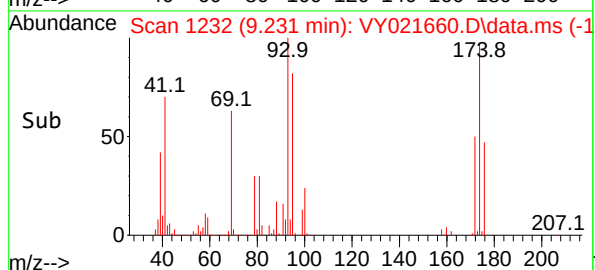
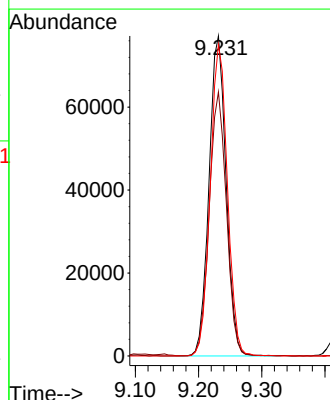
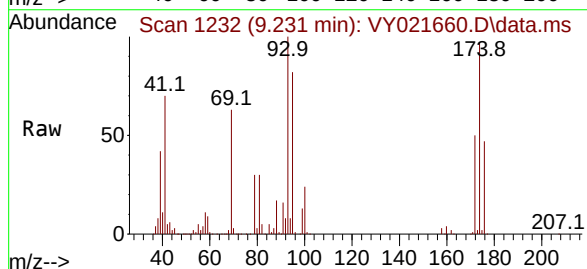
Tgt Ion: 93 Resp: 145186

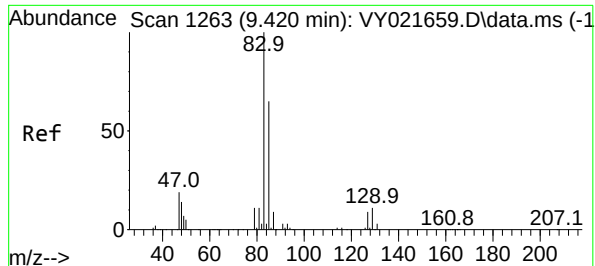
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 97.8 80.9 121.3





#47

Bromodichloromethane

Concen: 97.159 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

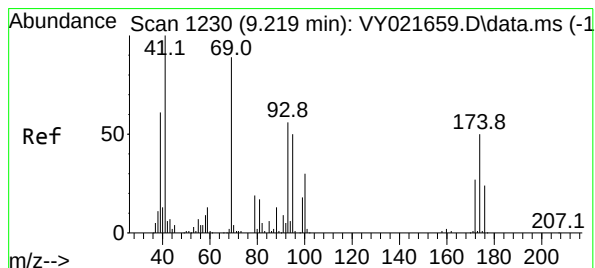
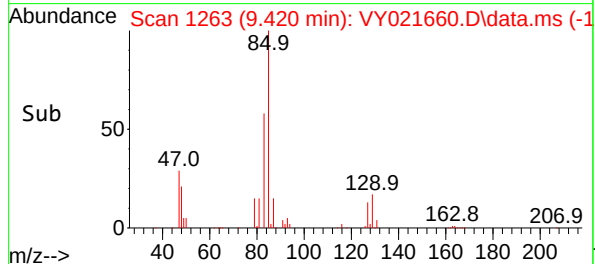
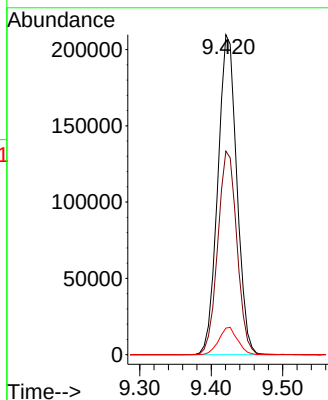
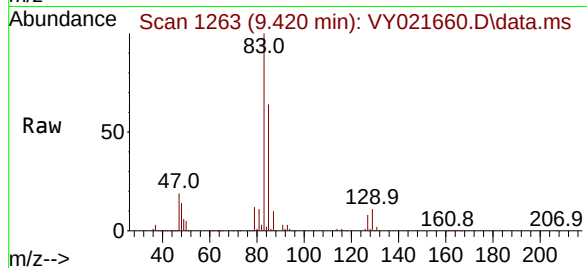
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	38686
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.3	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 101.718 ug/l

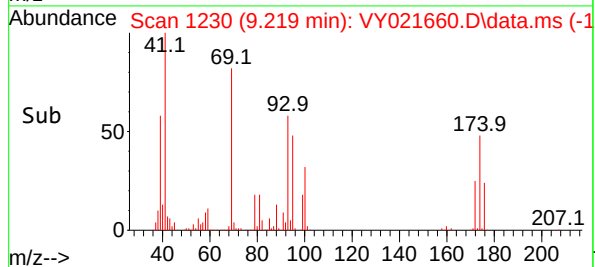
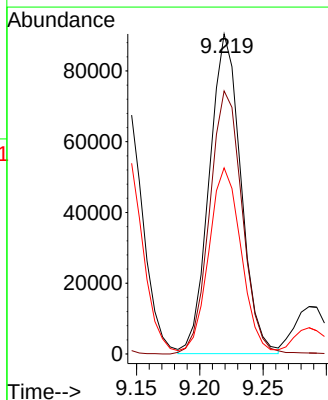
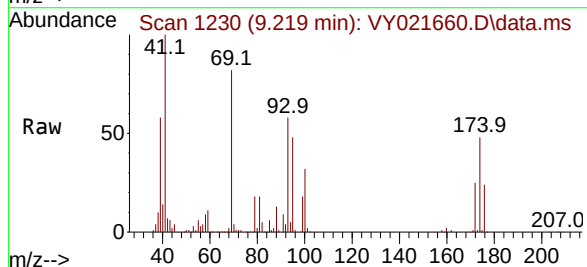
RT: 9.219 min Scan# 1230

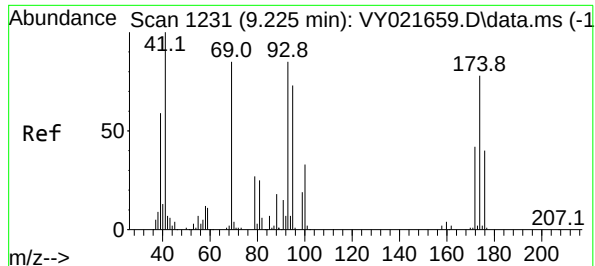
Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion:	41	Resp:	157046
Ion	Ratio	Lower	Upper
41	100		
69	85.0	69.8	104.8
39	57.6	47.2	70.8





#49

1,4-Dioxane

Concen: 1922.485 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

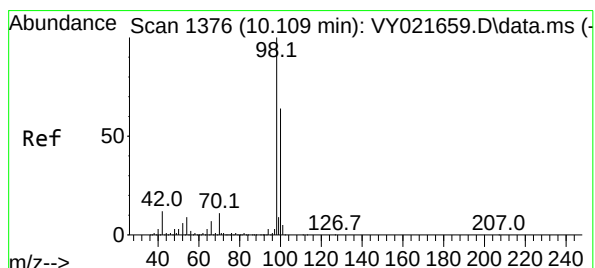
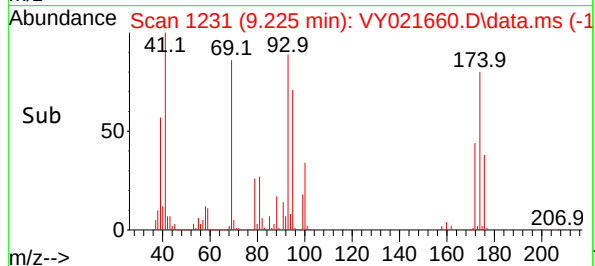
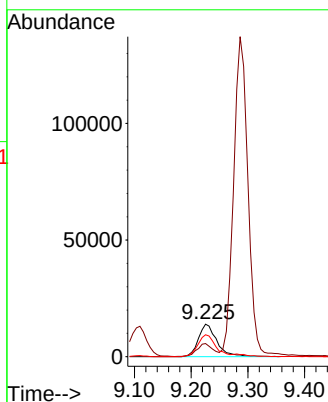
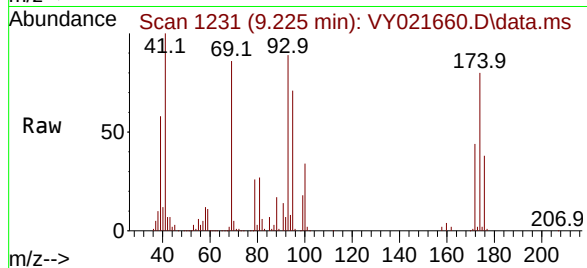
ClientSampleId :

VSTDICC100

Tgt Ion:	88	Resp:	3164
Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.8	43.2
58	65.5	59.4	89.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 101.480 ug/l

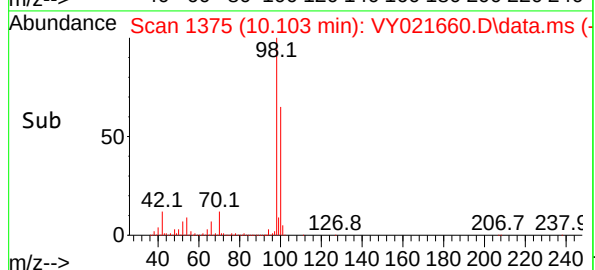
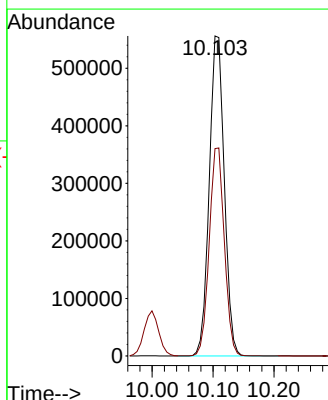
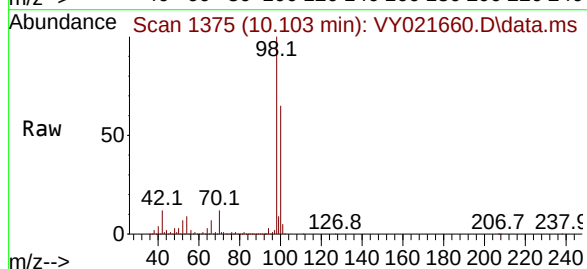
RT: 10.103 min Scan# 1375

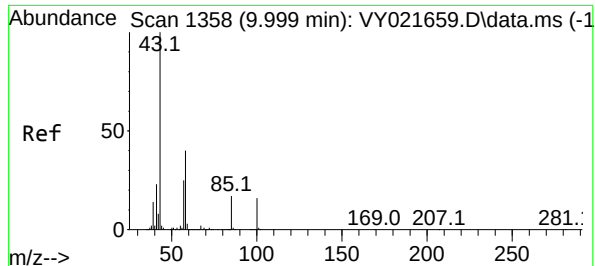
Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion:	98	Resp:	953346
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





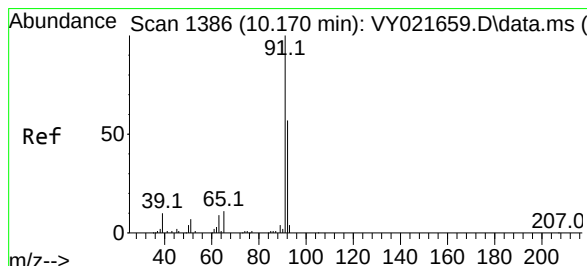
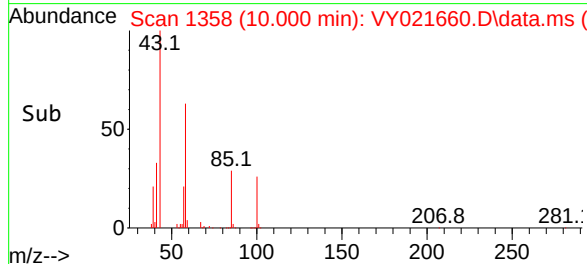
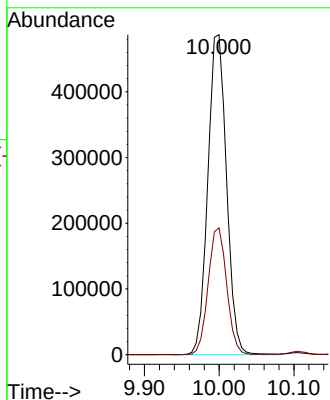
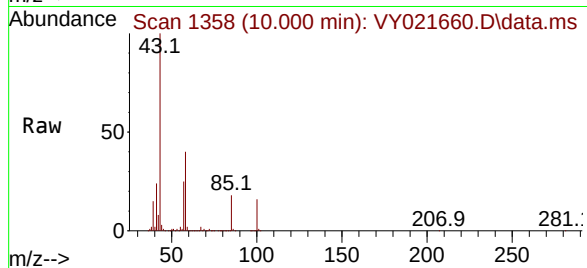
#51
4-Methyl-2-Pentanone
Concen: 483.331 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 846120
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

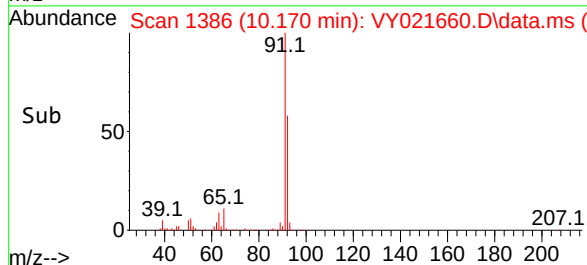
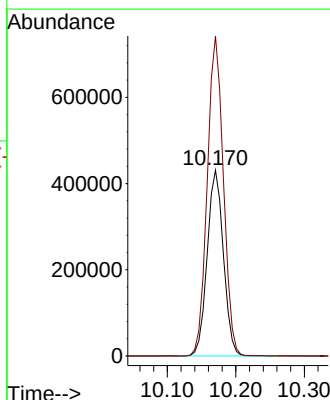
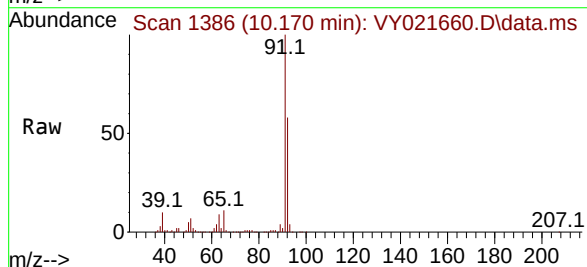
Manual Integrations
APPROVED

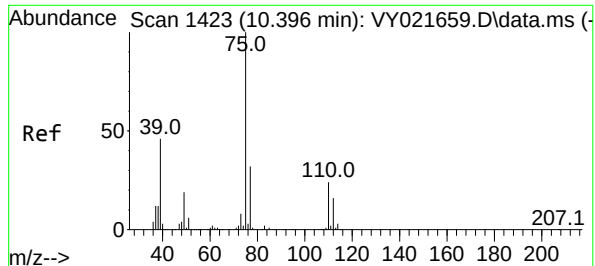
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 100.486 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 92 Resp: 706197
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





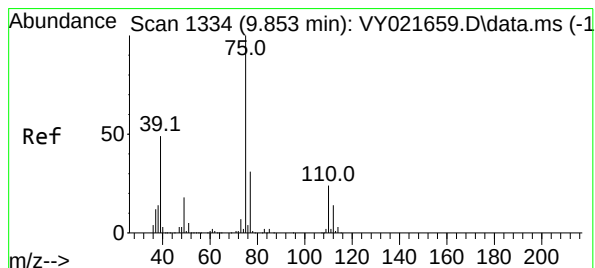
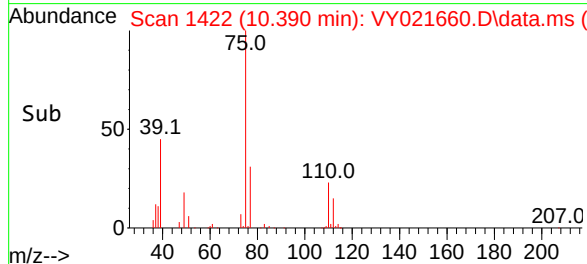
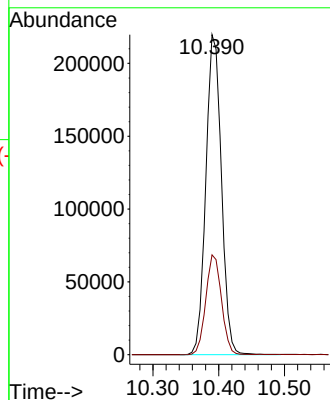
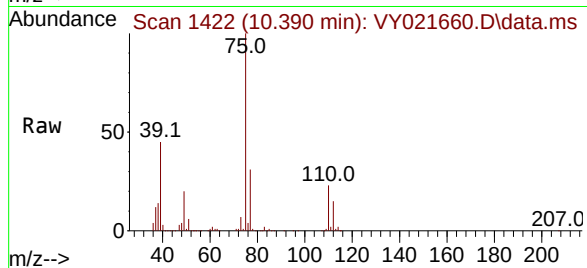
#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 36128
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

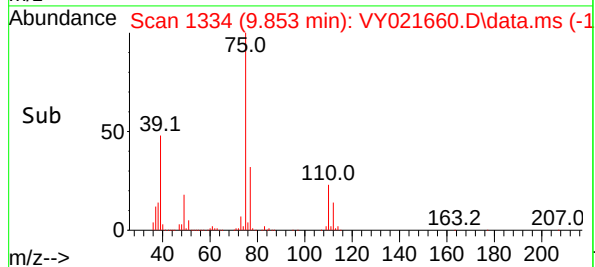
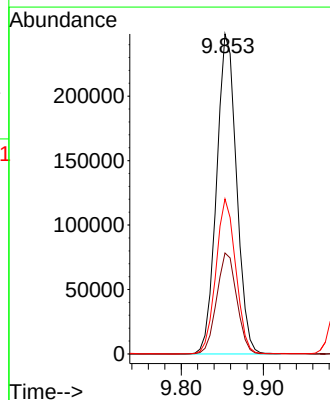
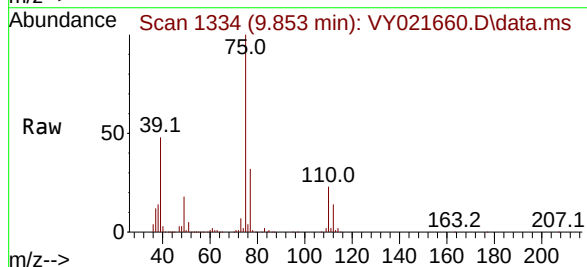
Manual Integrations
APPROVED

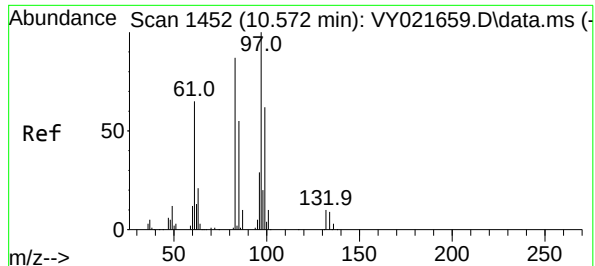
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 100.208 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

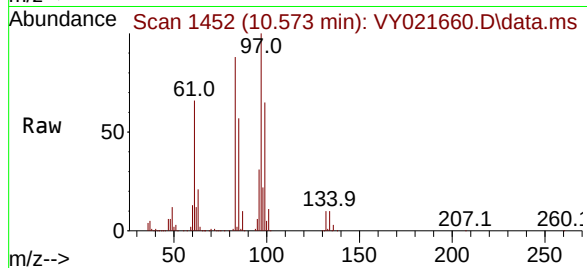
Tgt Ion: 75 Resp: 418099
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.4 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 95.058 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

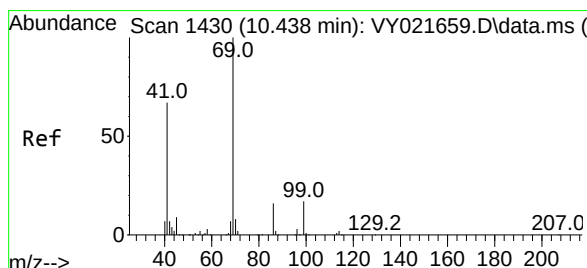
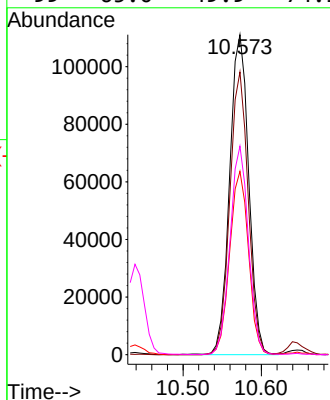
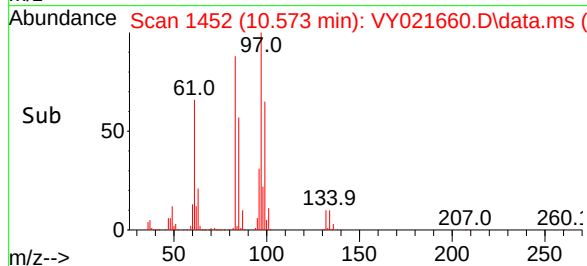
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



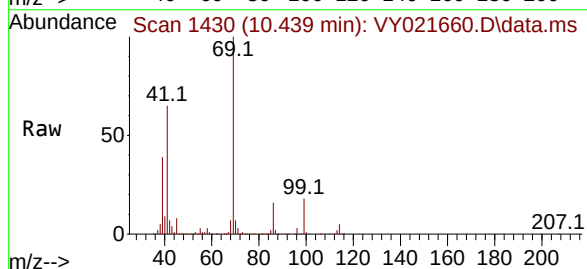
Tgt Ion: 97 Resp: 18797
Ion Ratio Lower Upper
97 100
83 88.3 69.5 104.3
85 57.3 43.9 65.9
99 65.0 49.9 74.9

Manual Integrations
APPROVED

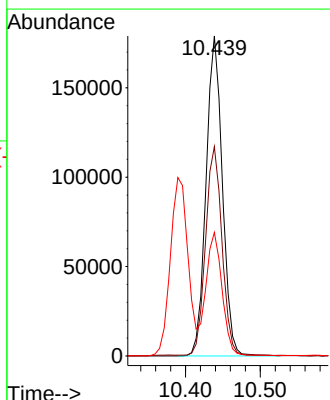
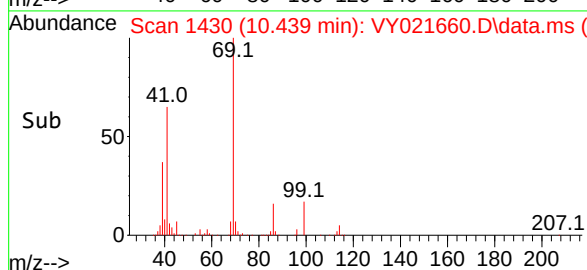
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

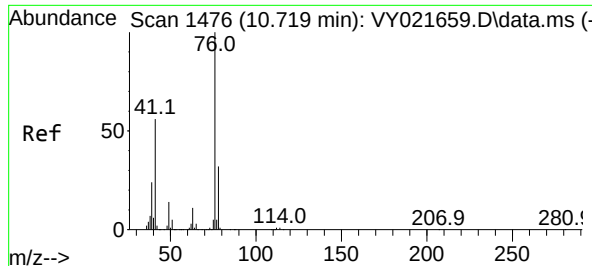


#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



Tgt Ion: 69 Resp: 271036
Ion Ratio Lower Upper
69 100
41 65.6 53.8 80.6
39 38.6 29.6 44.4





#57

1,3-Dichloropropane

Concen: 96.352 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 329063

Ion Ratio Lower Upper

76 100

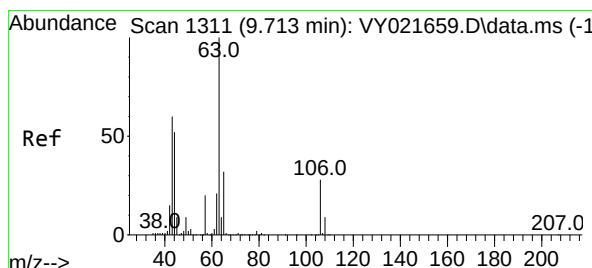
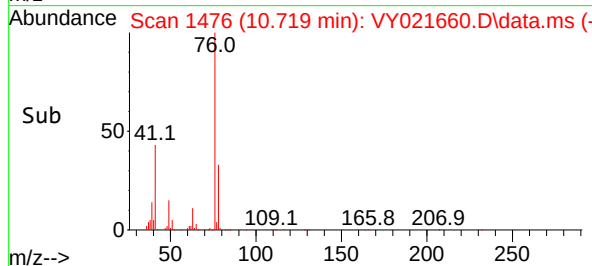
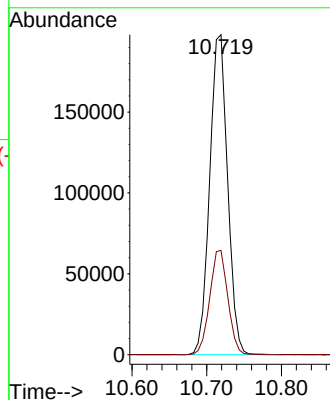
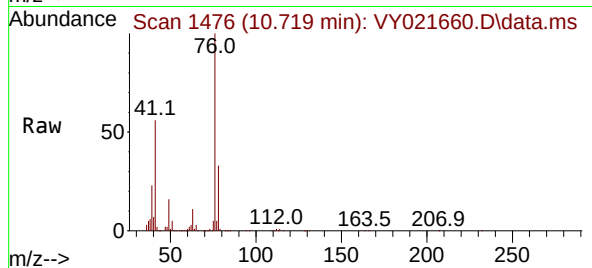
78 32.9 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 534.142 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY021660.D

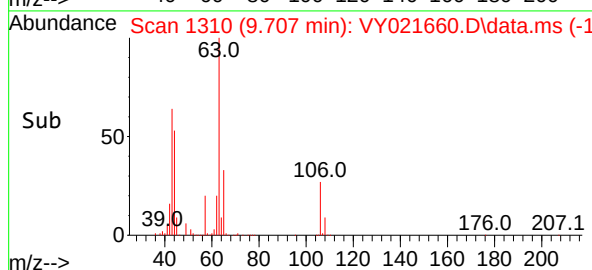
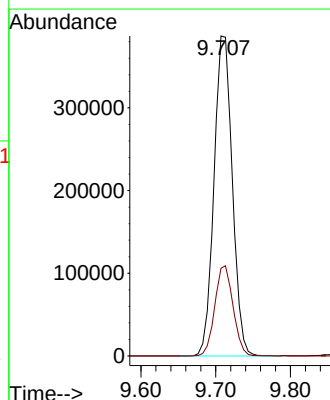
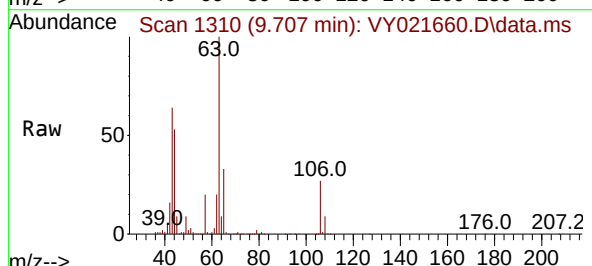
Acq: 27 Mar 2025 11:39

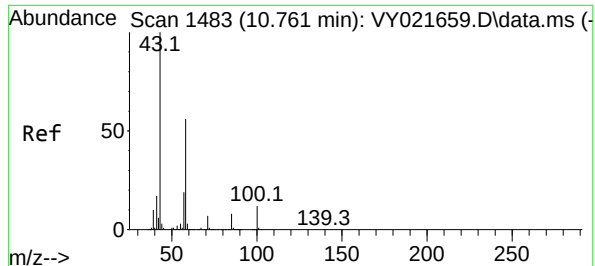
Tgt Ion: 63 Resp: 657953

Ion Ratio Lower Upper

63 100

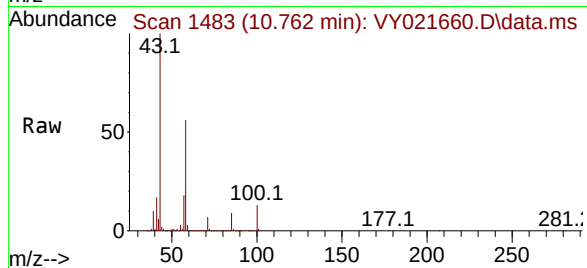
106 28.1 22.4 33.6





#59
2-Hexanone
Concen: 484.686 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

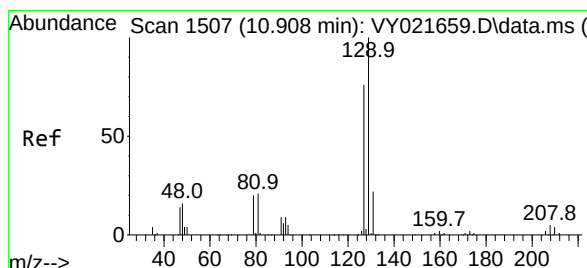
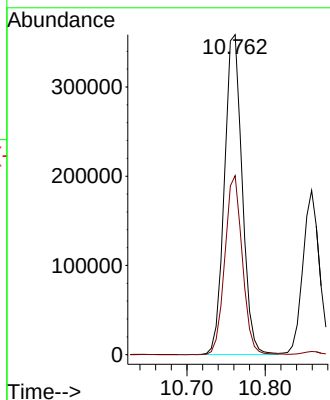
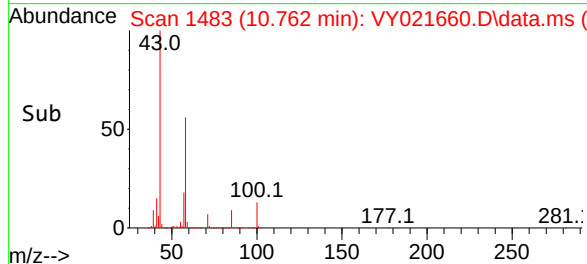
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 565080
Ion Ratio Lower Upper
43 100
58 55.2 27.2 81.5

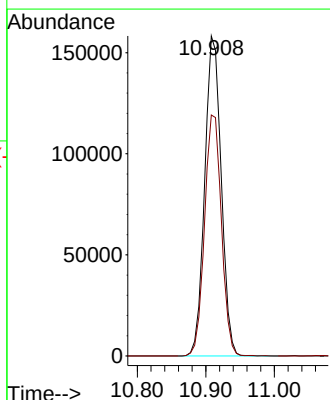
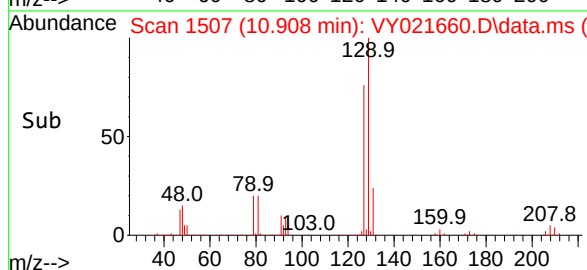
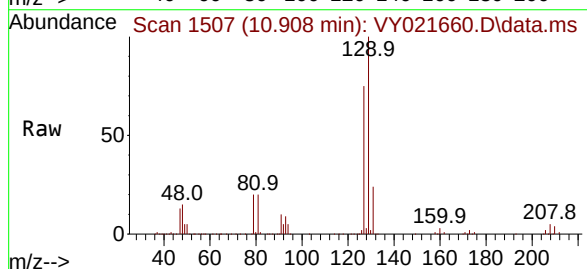
Manual Integrations
APPROVED

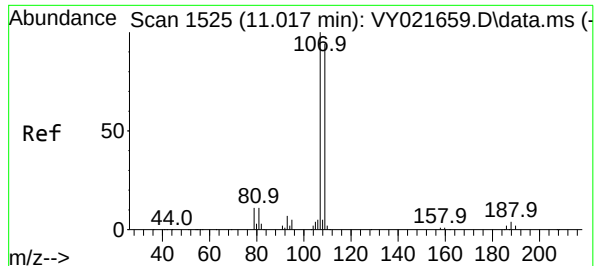
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#60
Dibromochloromethane
Concen: 98.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

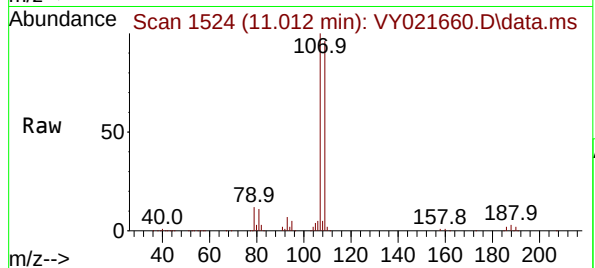
Tgt Ion:129 Resp: 265151
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

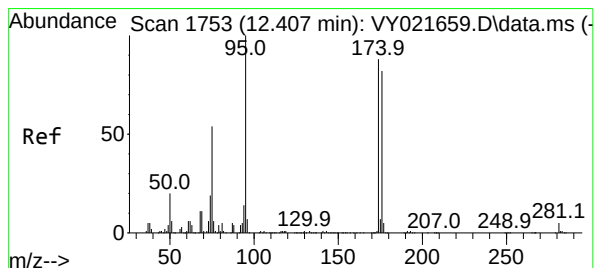
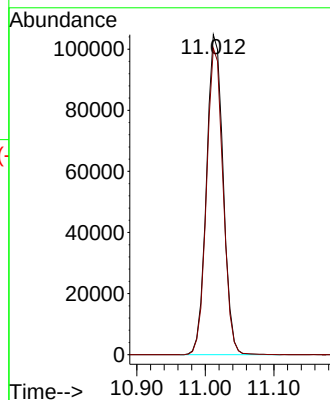
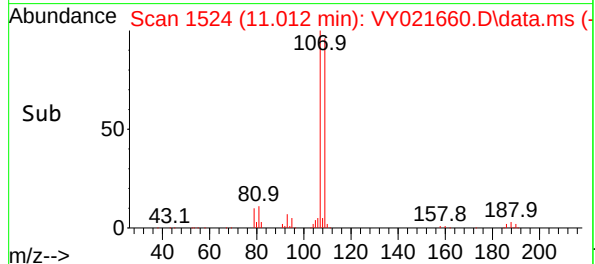
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:107 Resp: 177158
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6

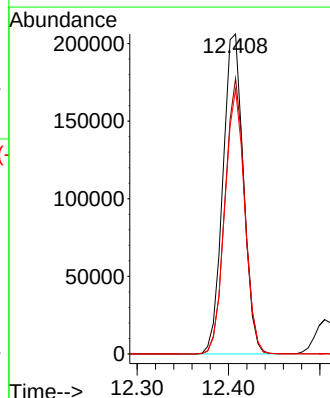
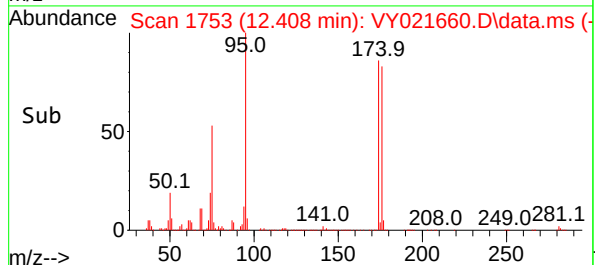
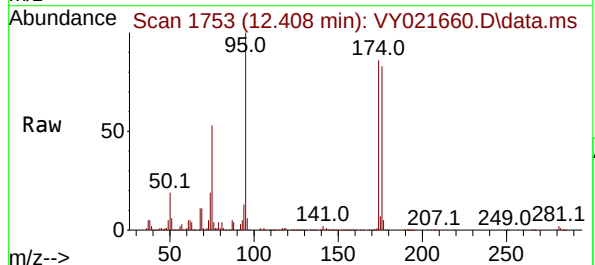
Manual Integrations
APPROVED

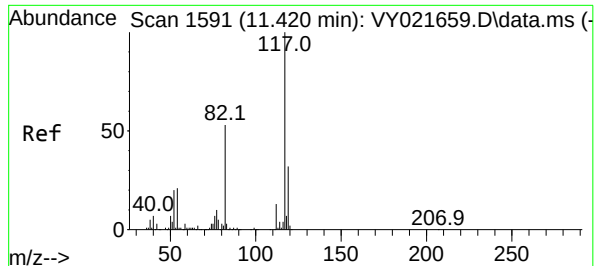
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 101.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

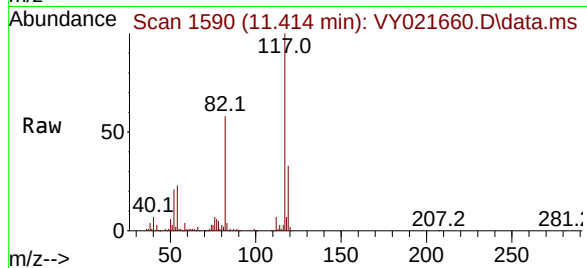
Tgt Ion: 95 Resp: 322469
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 79.9 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

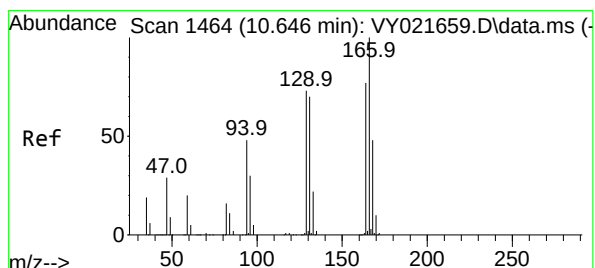
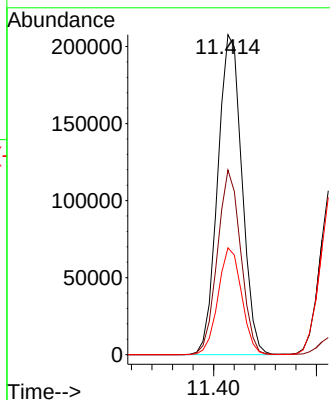
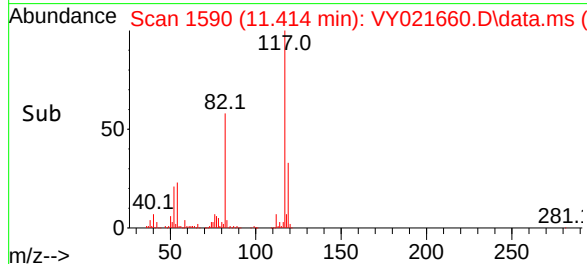
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 33920
Ion Ratio Lower Upper
117 100
82 57.7 42.8 64.2
119 33.4 25.7 38.5

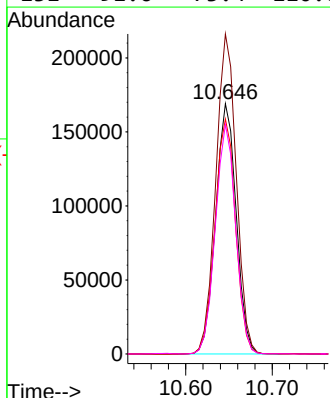
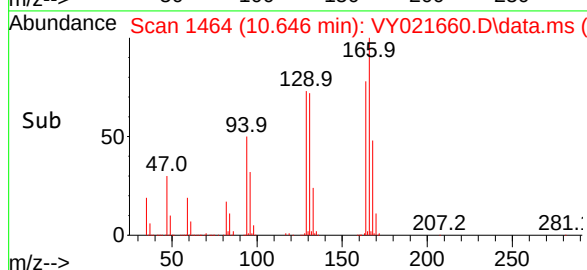
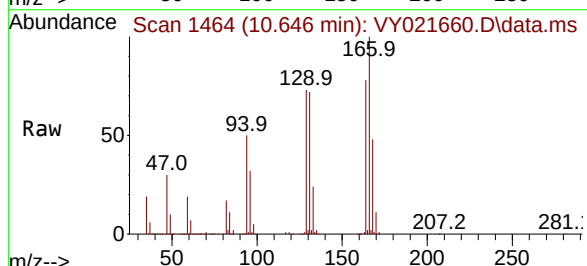
Manual Integrations
APPROVED

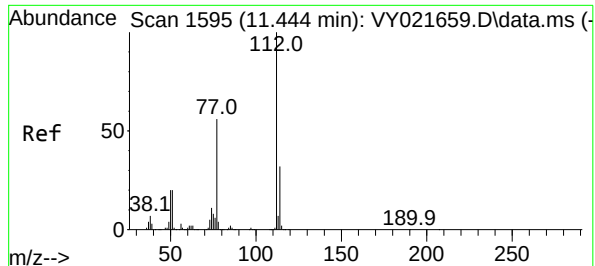
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#64
Tetrachloroethene
Concen: 90.401 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

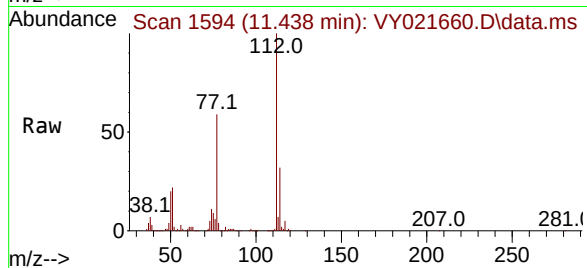
Tgt Ion:164 Resp: 279279
Ion Ratio Lower Upper
164 100
166 127.9 104.6 156.8
129 93.9 76.6 114.8
131 91.6 73.4 110.0





#65
Chlorobenzene
Concen: 97.381 ug/l
RT: 11.438 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

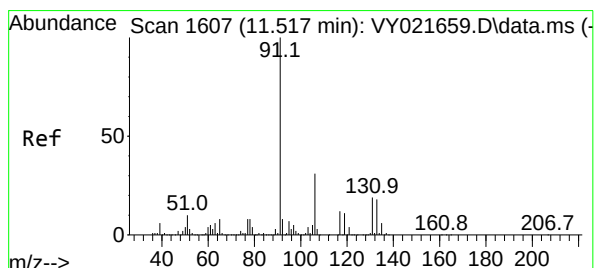
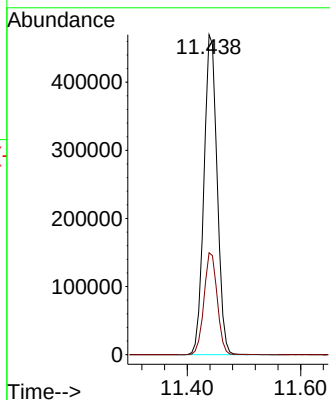
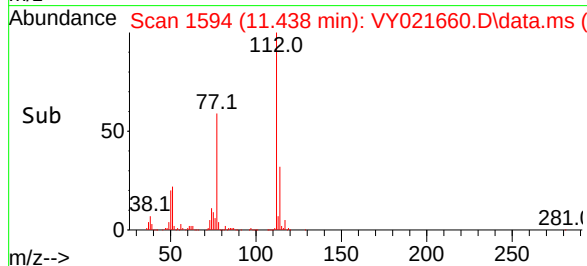
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



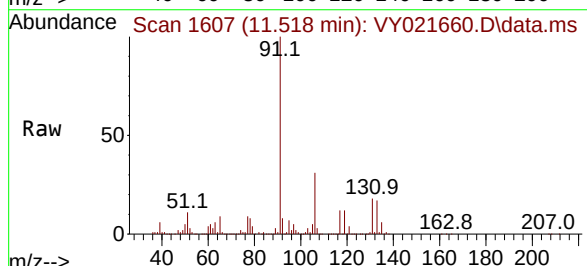
Tgt Ion:112 Resp: 75719
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

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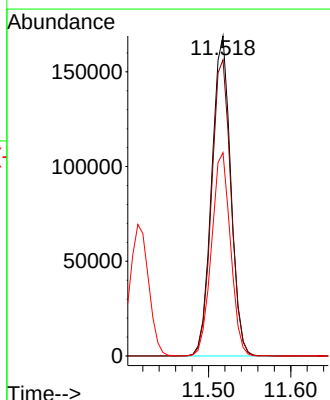
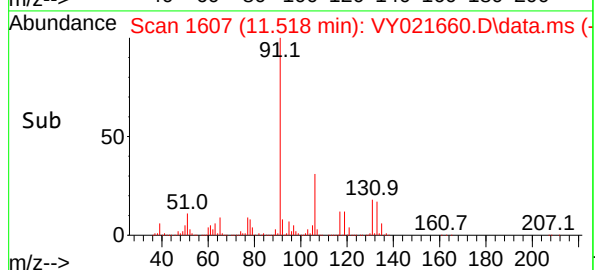
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

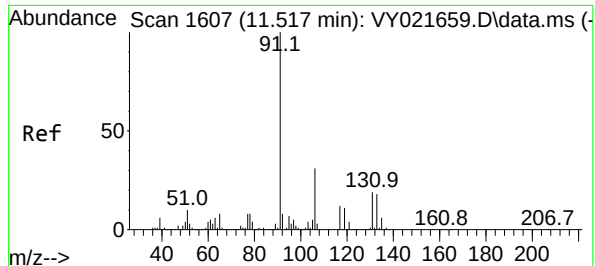


#66
1,1,1,2-Tetrachloroethane
Concen: 98.275 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



Tgt Ion:131 Resp: 271119
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.8
119 63.6 31.6 95.0





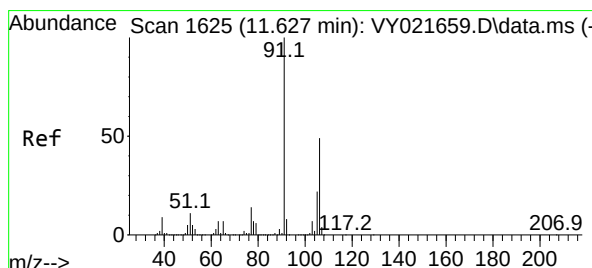
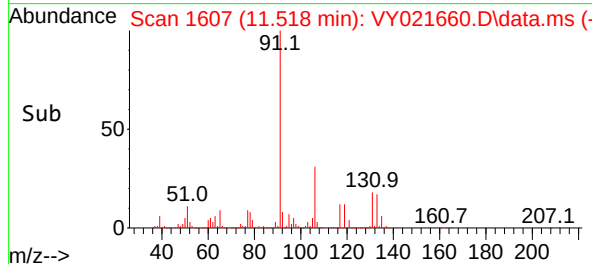
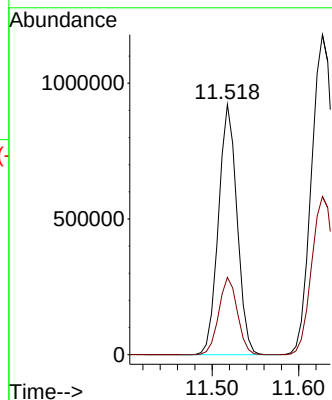
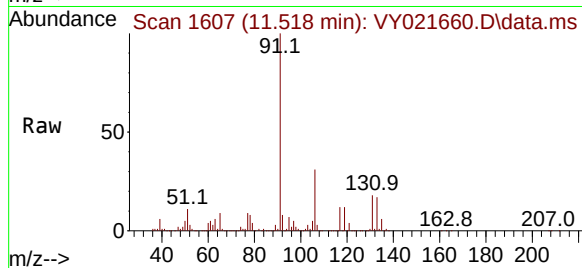
#67
Ethyl Benzene
Concen: 102.918 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1372249
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

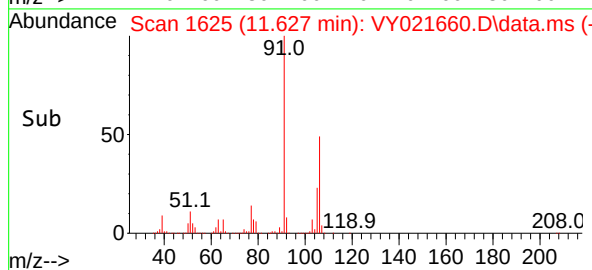
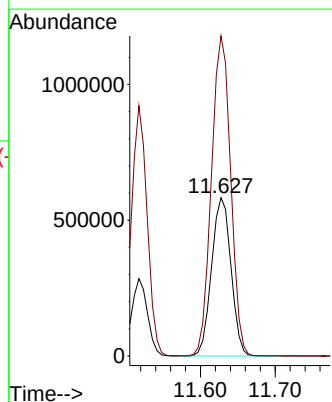
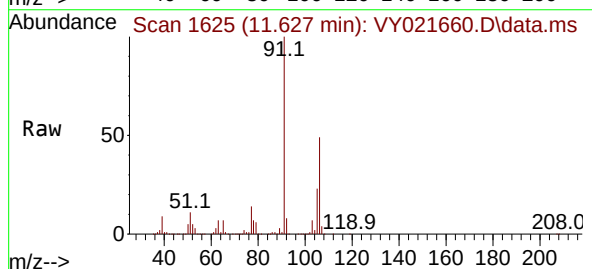
Manual Integrations
APPROVED

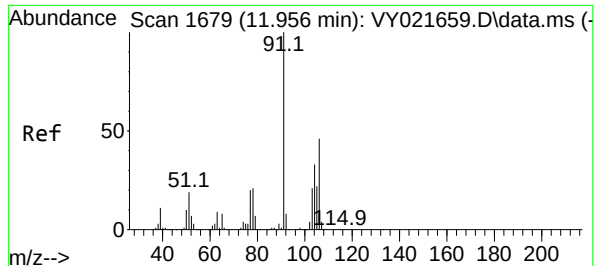
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#68
m/p-Xylenes
Concen: 205.681 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 1050156
Ion Ratio Lower Upper
106 100
91 201.4 162.4 243.6





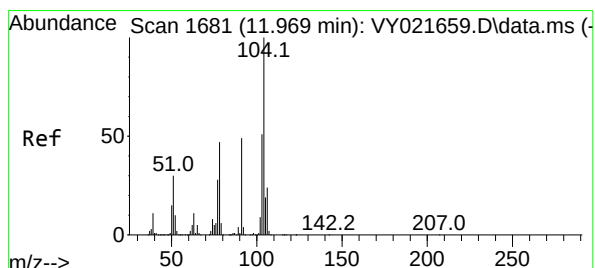
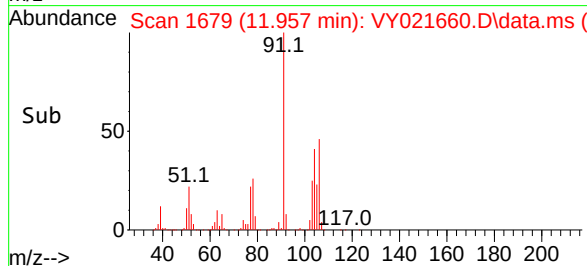
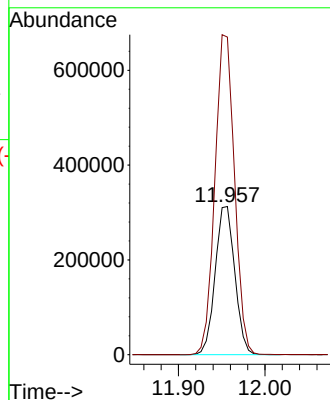
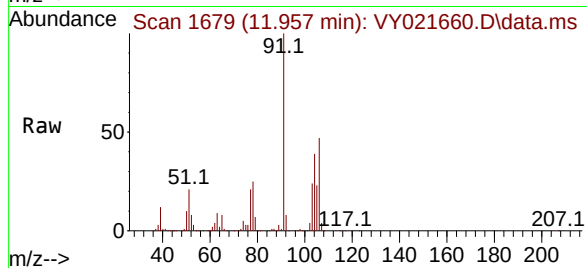
#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 49189
Ion Ratio Lower Upper
106 100
91 215.9 106.7 319.9

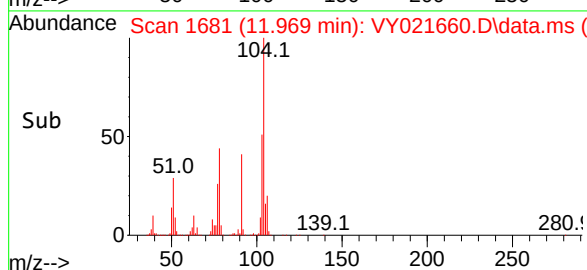
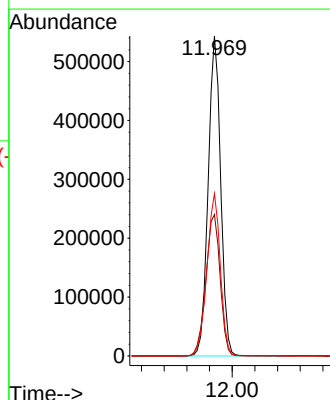
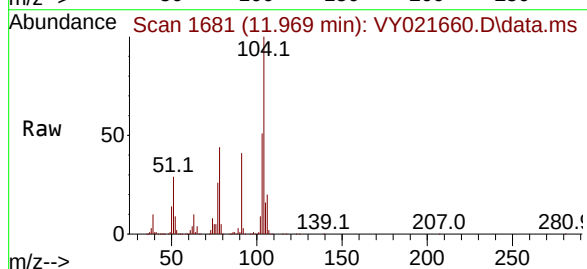
Manual Integrations
APPROVED

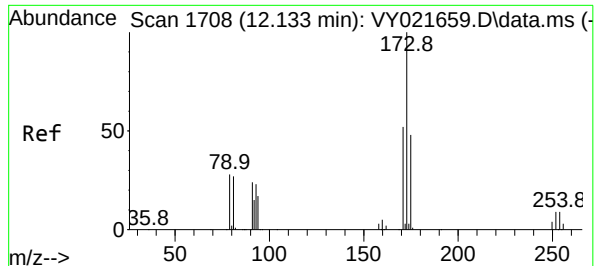
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 106.098 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

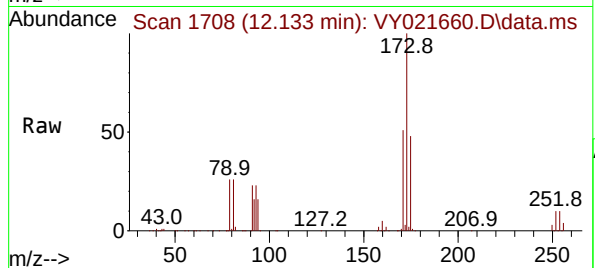
Tgt Ion:104 Resp: 833734
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 54.6 44.2 66.2





#71
Bromoform
Concen: 97.024 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

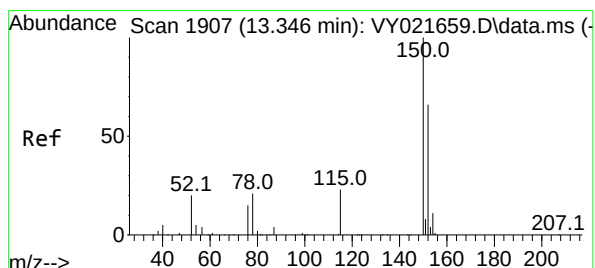
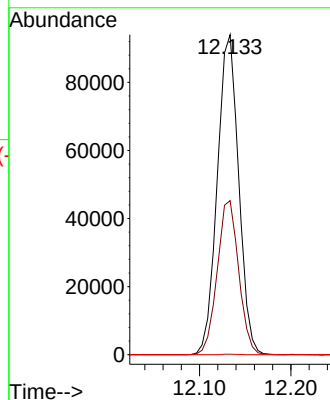
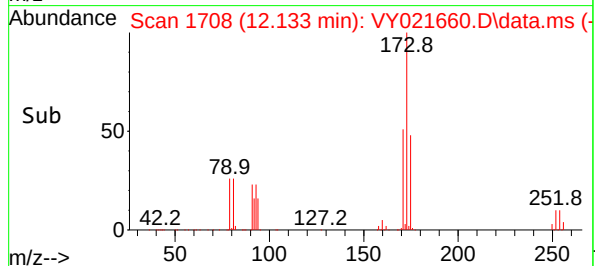
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



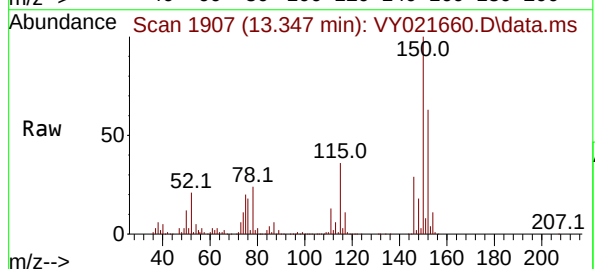
Tgt Ion:173 Resp: 15268
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
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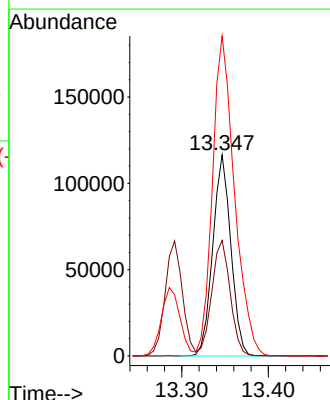
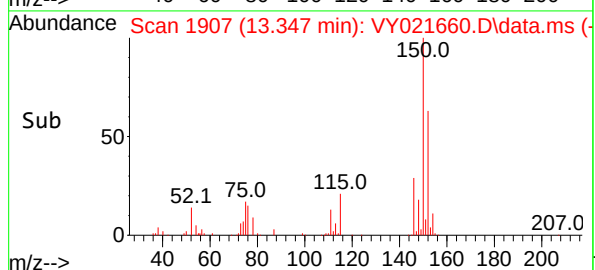
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

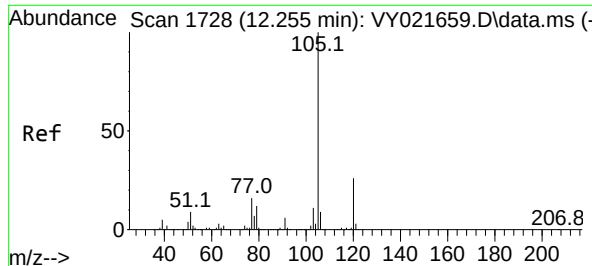


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



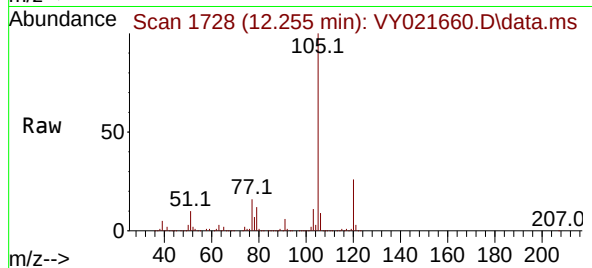
Tgt Ion:152 Resp: 168901
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 193.6 0.0 348.4





#73
Isopropylbenzene
Concen: 103.486 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

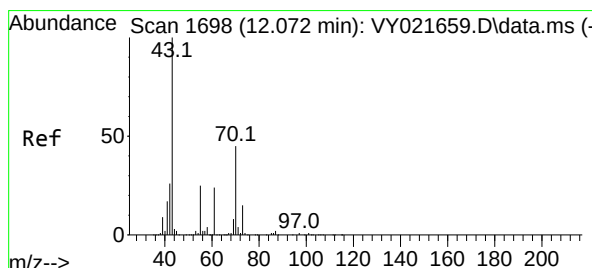
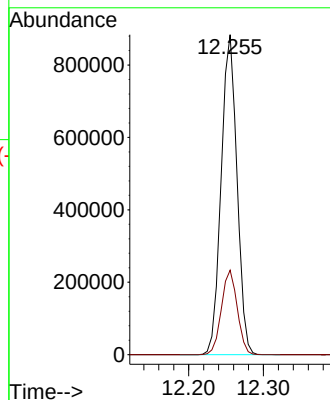
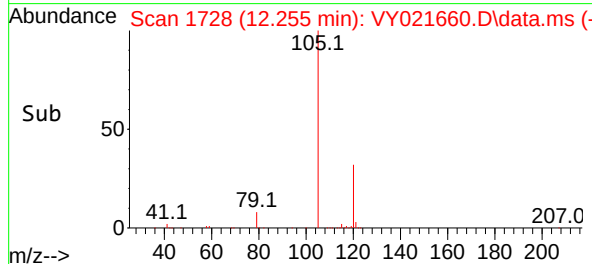
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 129822
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

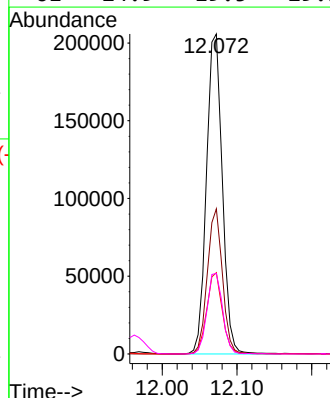
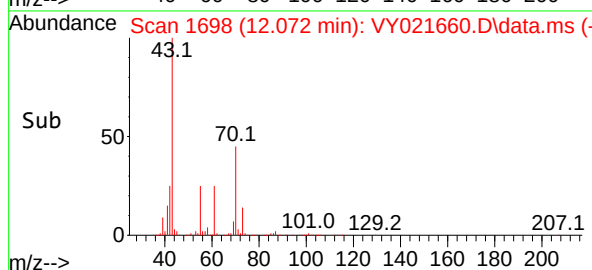
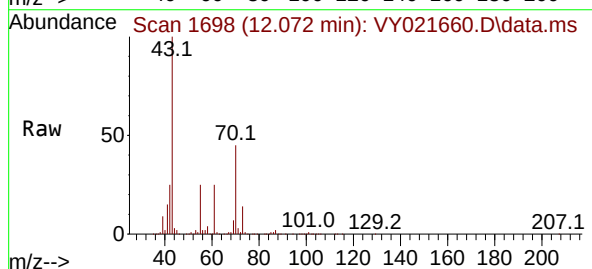
Manual Integrations
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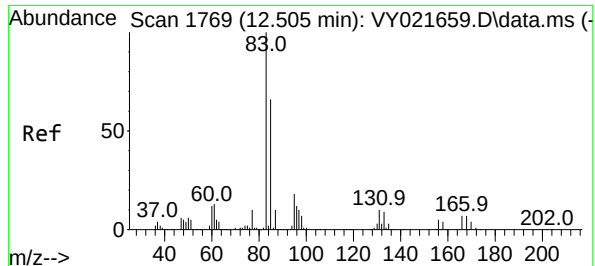
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 103.027 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 303328
Ion Ratio Lower Upper
43 100
70 43.3 34.7 52.1
55 25.1 21.2 31.8
61 24.9 19.5 29.3





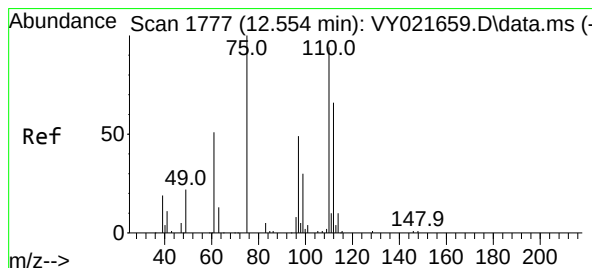
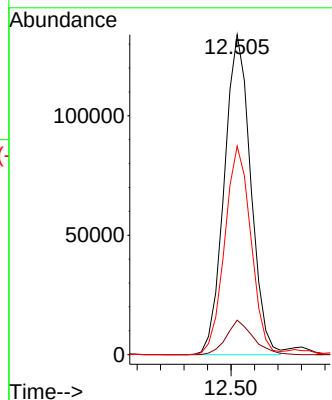
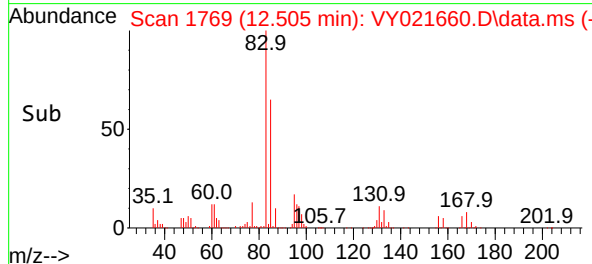
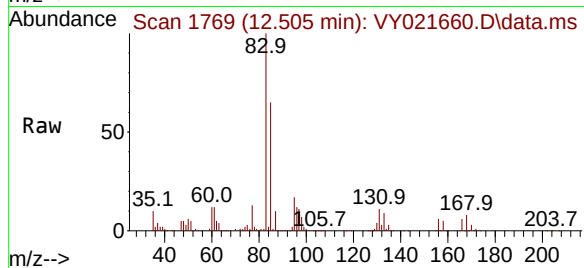
#75
1,1,2,2-Tetrachloroethane
Concen: 92.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 209094
Ion Ratio Lower Upper
83 100
131 10.9 5.1 15.3
85 64.7 32.3 96.8

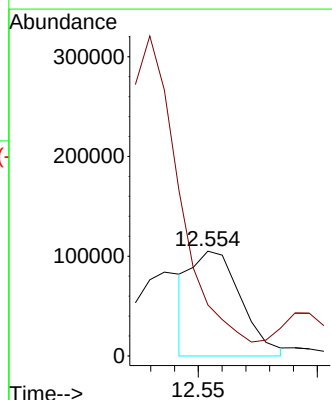
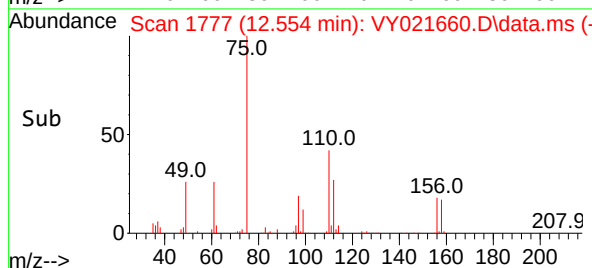
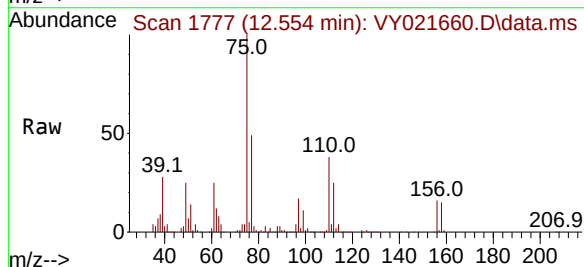
Manual Integrations
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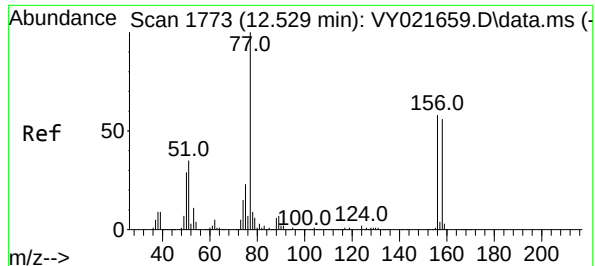
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 91.372 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 152979
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





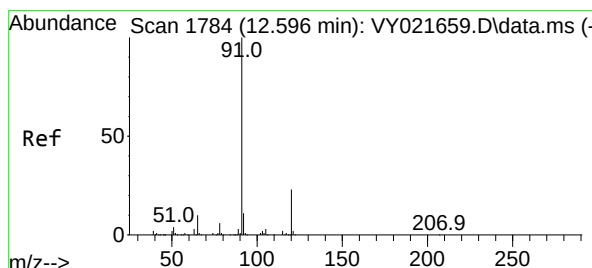
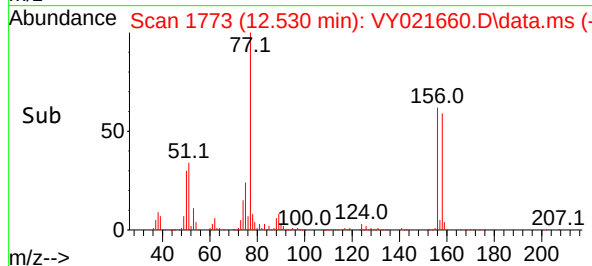
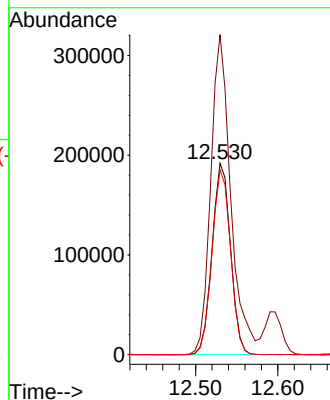
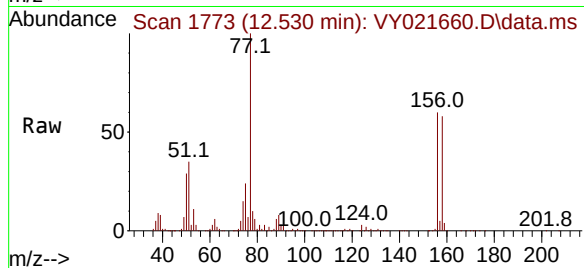
#77
Bromobenzene
Concen: 99.323 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 29916
Ion Ratio Lower Upper
156 100
77 181.1 92.8 278.3
158 96.8 48.5 145.6

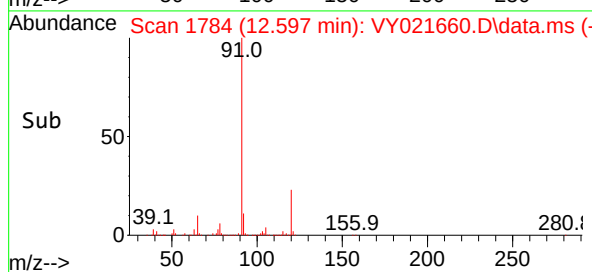
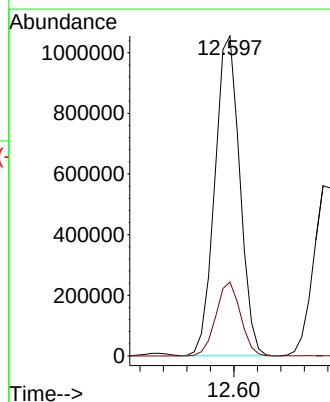
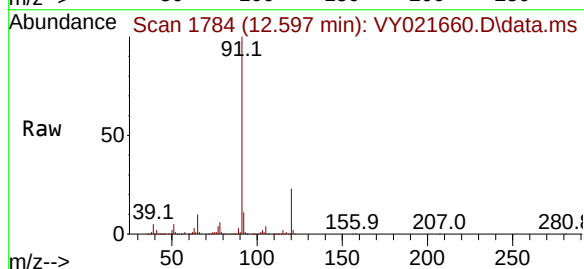
Manual Integrations
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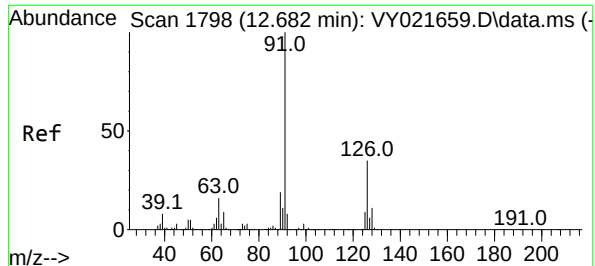
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 103.290 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 1557825
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 100.382 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 879334

Ion Ratio Lower Upper

91 100

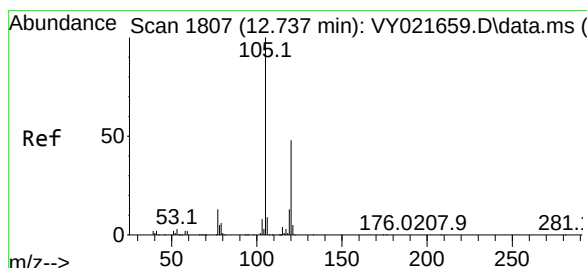
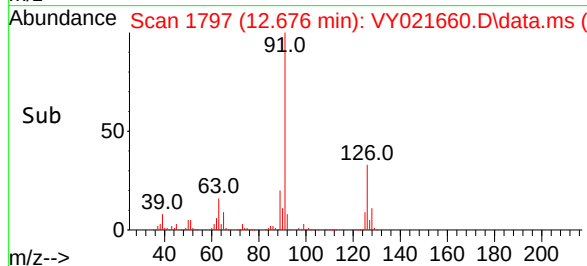
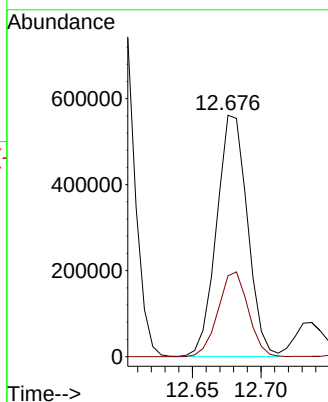
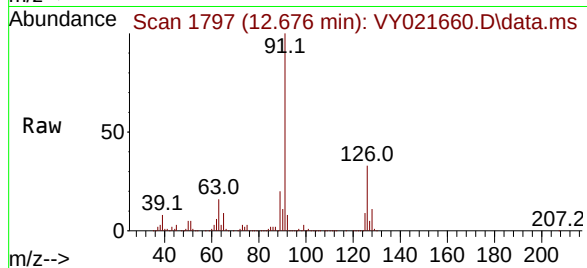
126 34.3 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 103.480 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021660.D

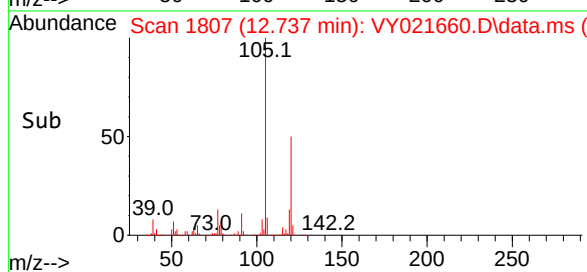
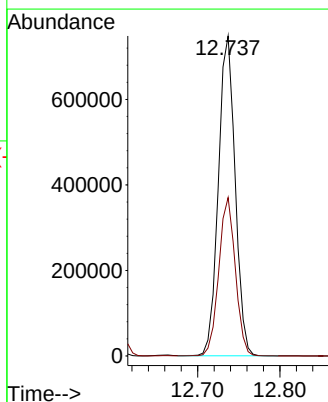
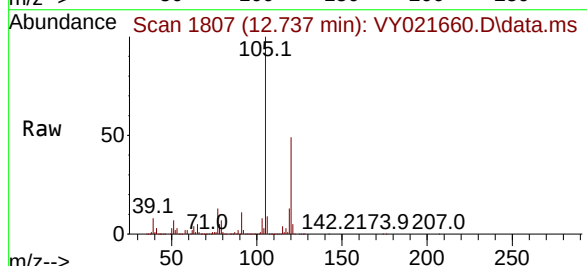
Acq: 27 Mar 2025 11:39

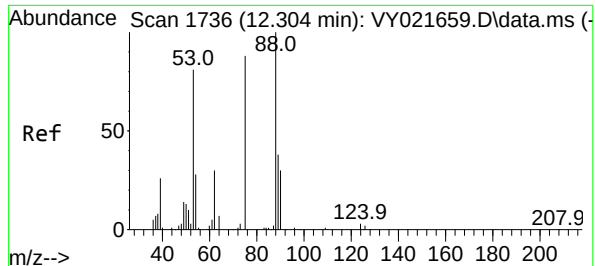
Tgt Ion:105 Resp: 1060963

Ion Ratio Lower Upper

105 100

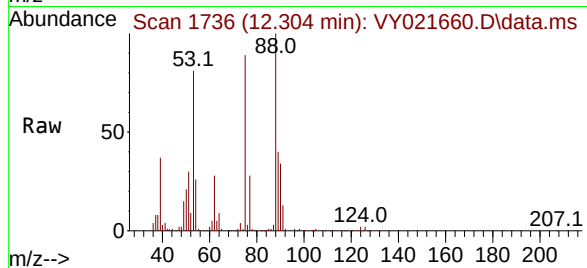
120 48.9 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 98.330 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

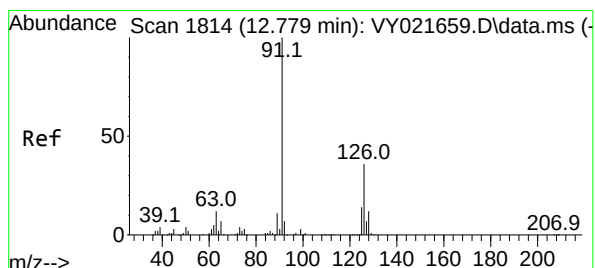
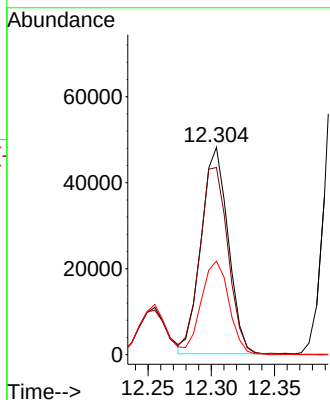
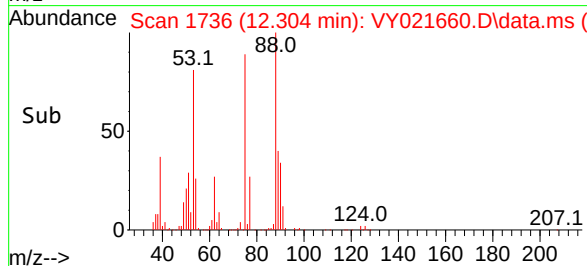
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



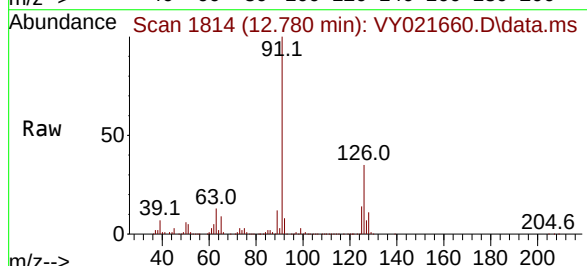
Tgt Ion: 75 Resp: 71448
Ion Ratio Lower Upper
75 100
53 95.8 76.1 114.1
89 46.1 36.2 54.4

Manual Integrations
APPROVED

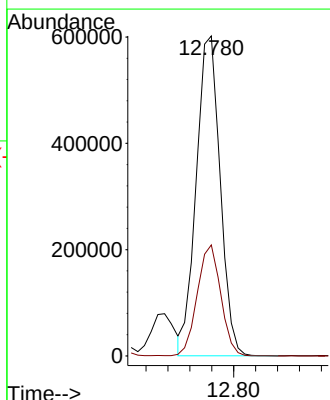
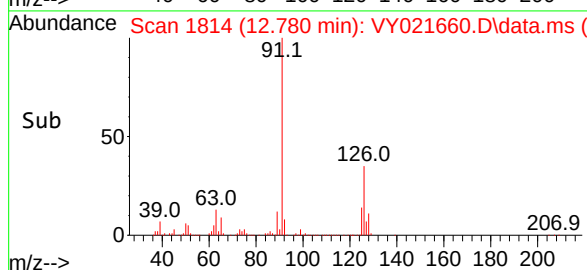
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

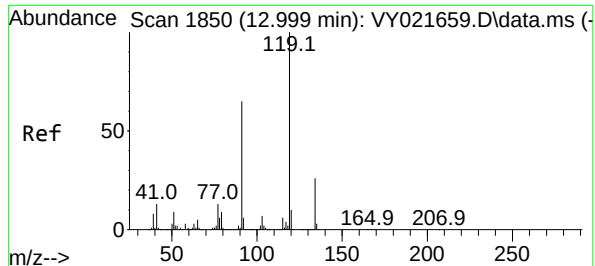


#82
4-Chlorotoluene
Concen: 99.676 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



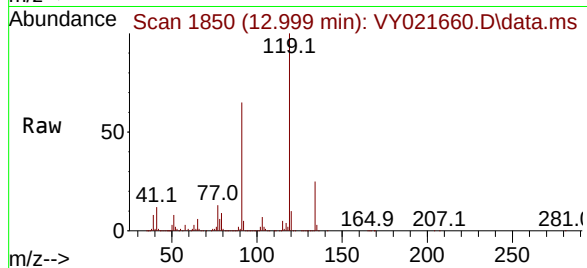
Tgt Ion: 91 Resp: 910295
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9





#83
tert-Butylbenzene
Concen: 104.762 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

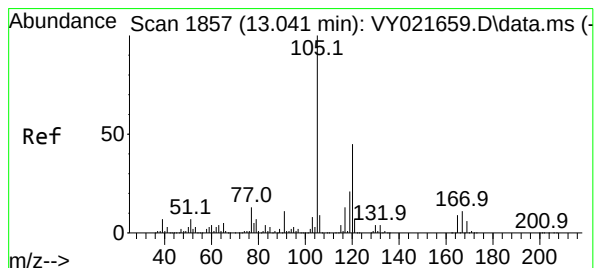
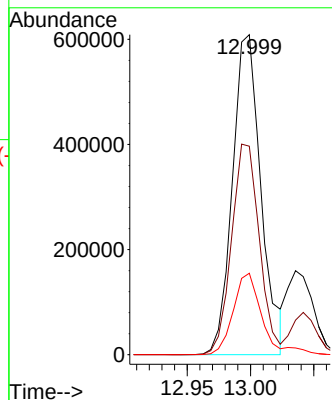
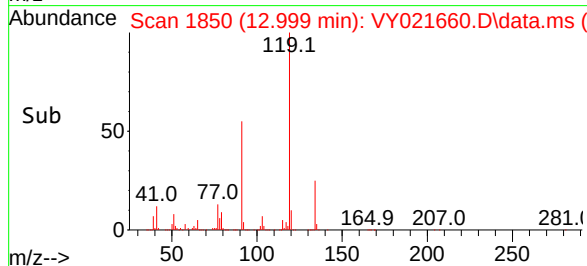
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



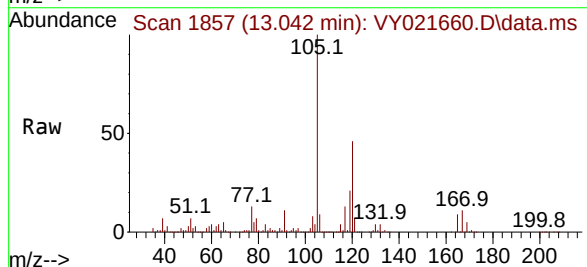
Tgt Ion:119 Resp: 956709
Ion Ratio Lower Upper
119 100
91 64.2 32.6 97.7
134 25.8 13.2 39.6

Manual Integrations
APPROVED

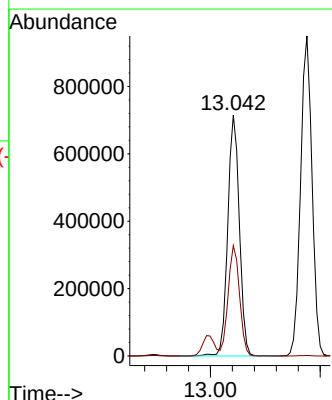
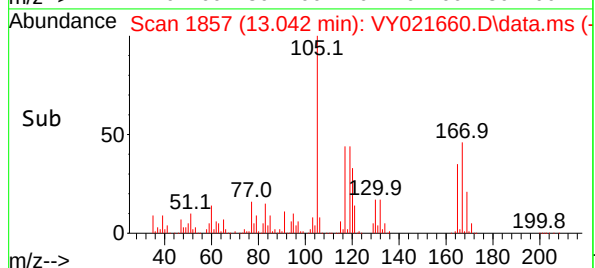
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

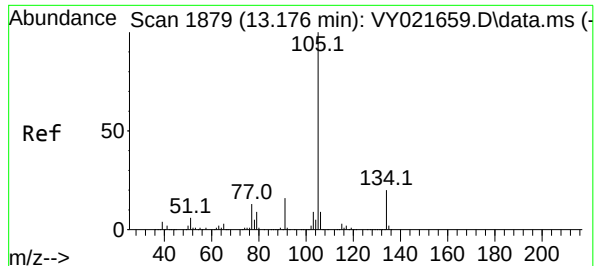


#84
1,2,4-Trimethylbenzene
Concen: 103.880 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



Tgt Ion:105 Resp: 1052663
Ion Ratio Lower Upper
105 100
120 45.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 102.624 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 136960

Ion Ratio Lower Upper

105 100

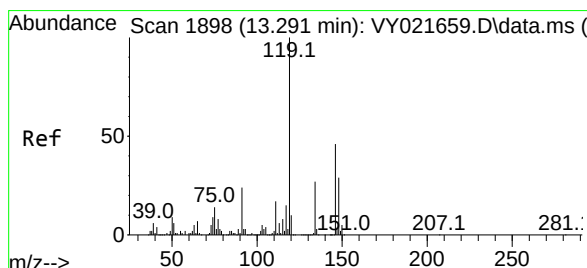
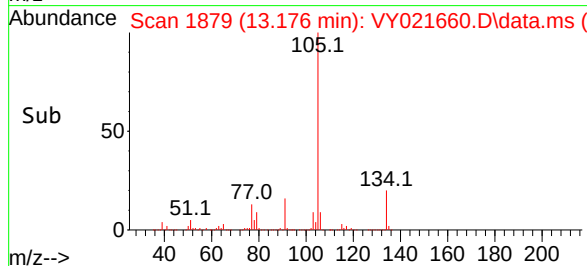
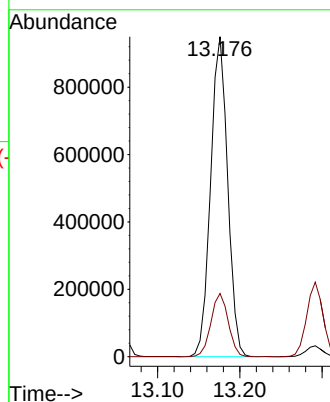
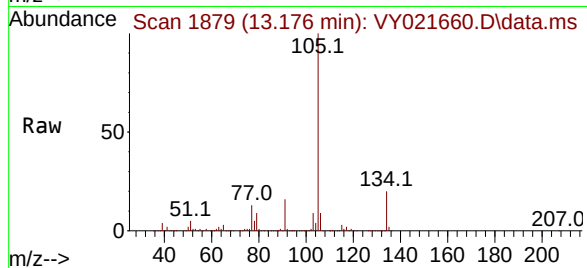
134 20.0 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 105.509 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

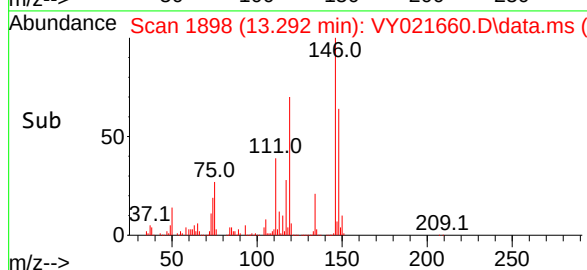
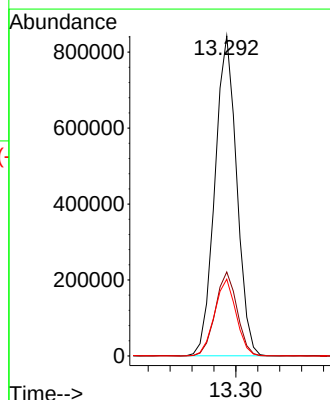
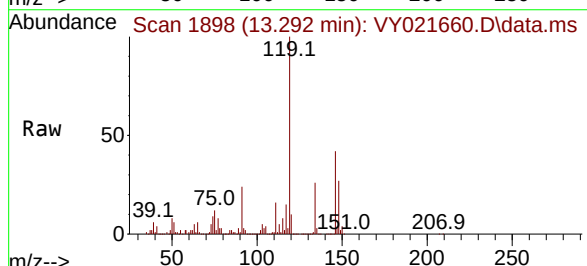
Tgt Ion:119 Resp: 1163796

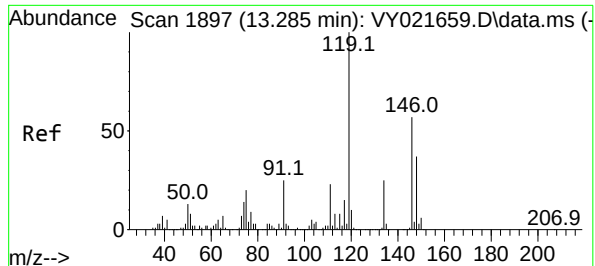
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 98.384 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 58383

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

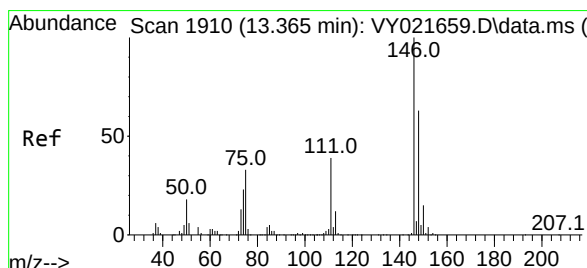
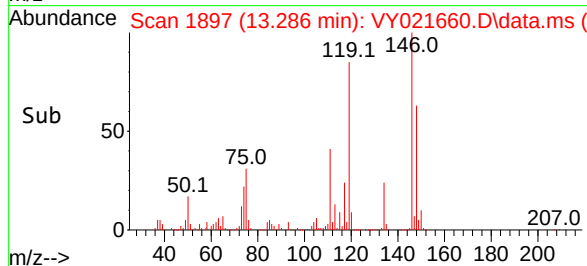
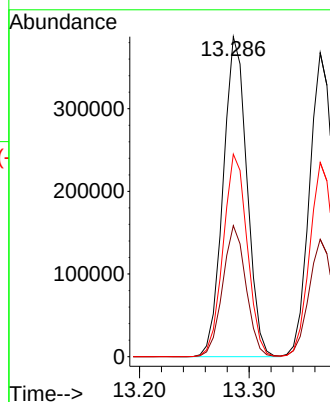
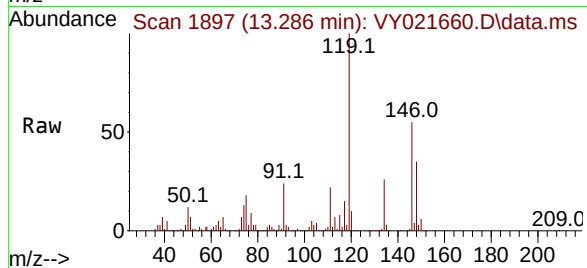
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 96.416 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

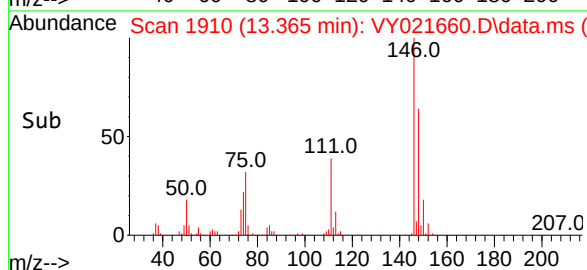
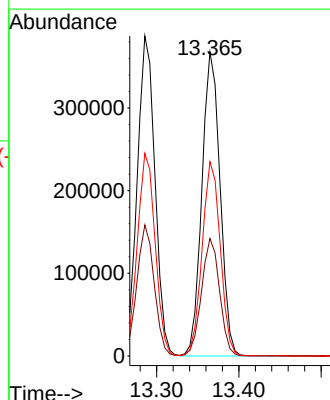
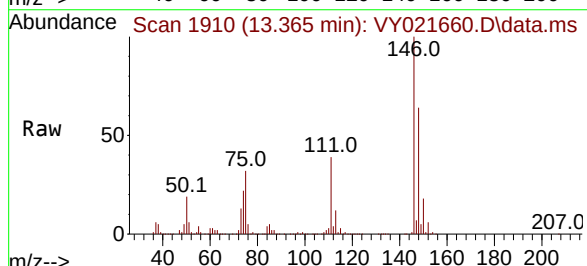
Tgt Ion:146 Resp: 565293

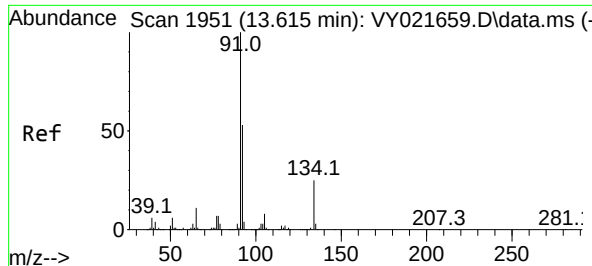
Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 104.828 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1069350

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.2

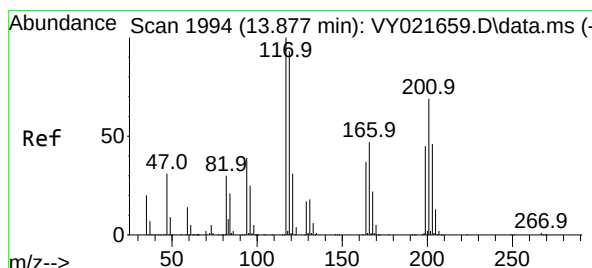
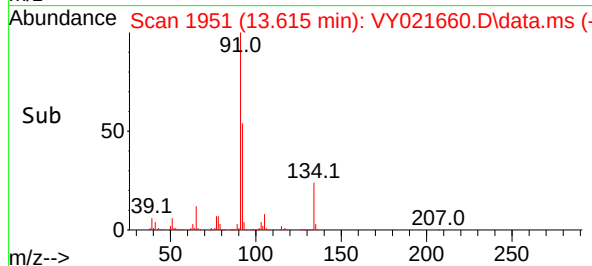
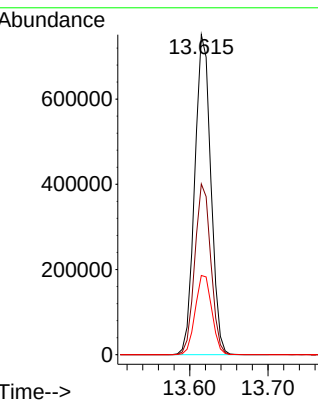
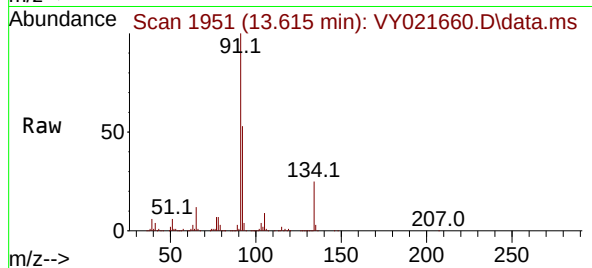
134 25.6 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 99.078 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021660.D

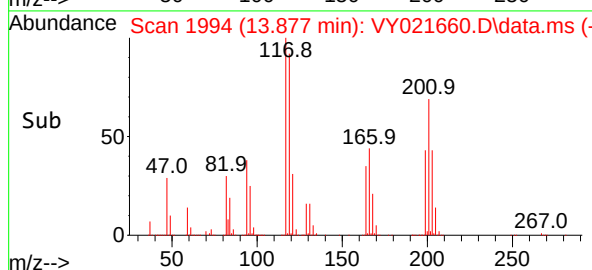
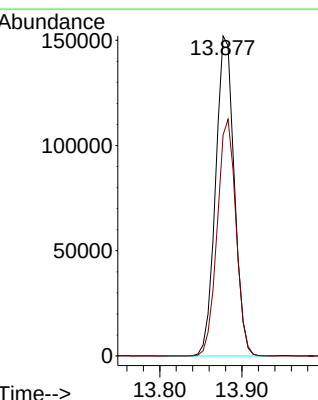
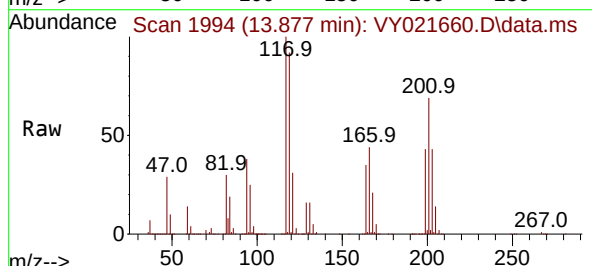
Acq: 27 Mar 2025 11:39

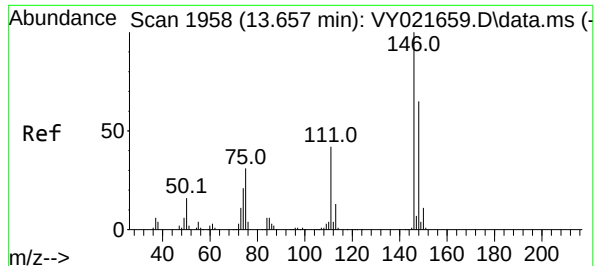
Tgt Ion:117 Resp: 239487

Ion Ratio Lower Upper

117 100

201 74.5 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 97.186 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 50204

Ion Ratio Lower Upper

146 100

111 42.0 20.7 62.1

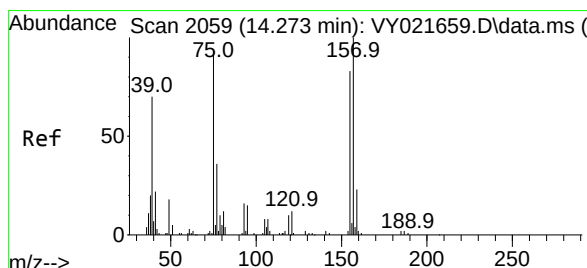
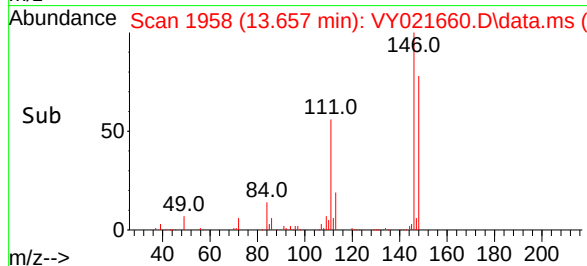
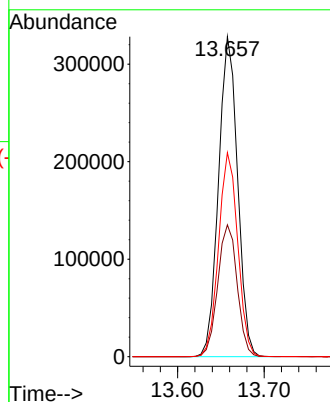
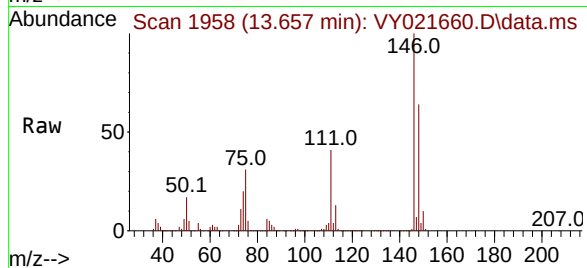
148 64.0 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 93.136 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

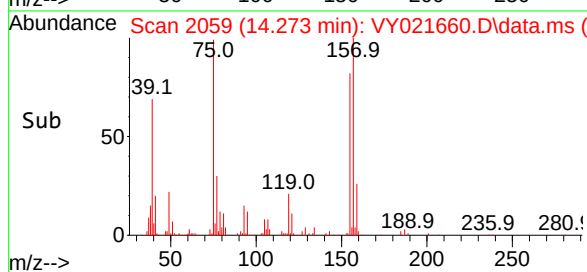
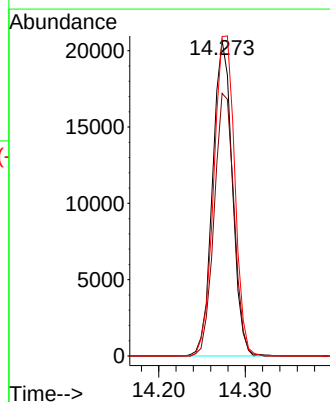
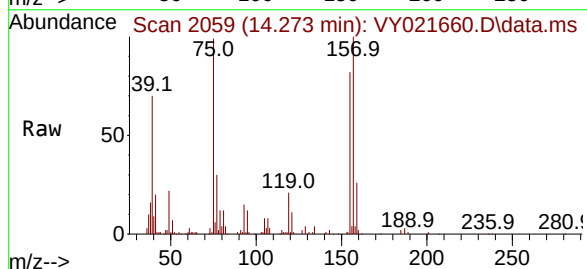
Tgt Ion: 75 Resp: 32558

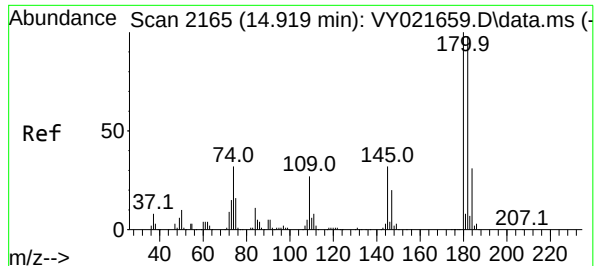
Ion Ratio Lower Upper

75 100

155 84.2 43.0 128.8

157 107.9 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 104.943 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 29398

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

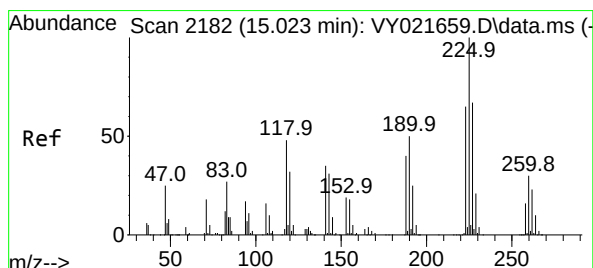
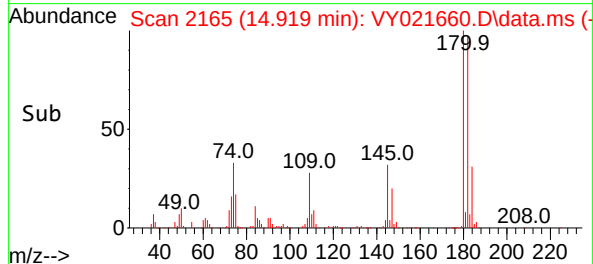
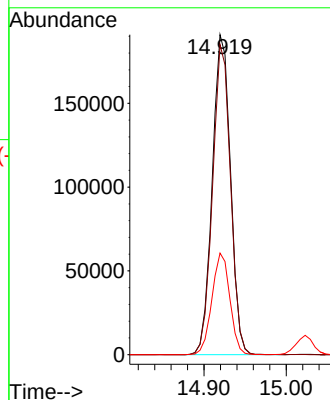
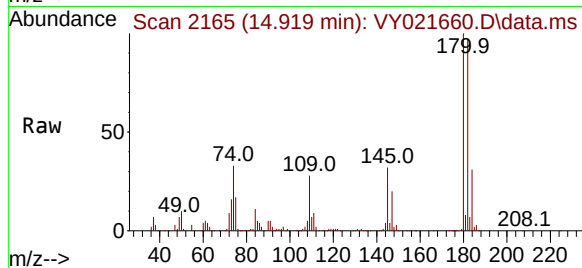
145 31.2 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

Concen: 98.829 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

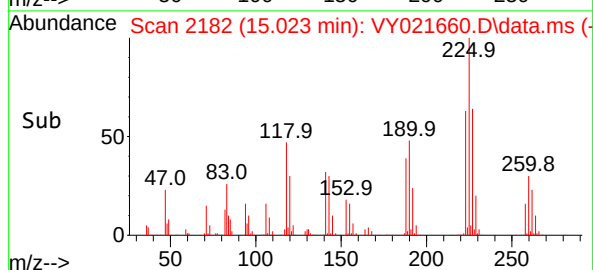
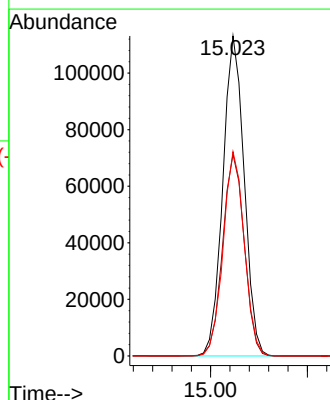
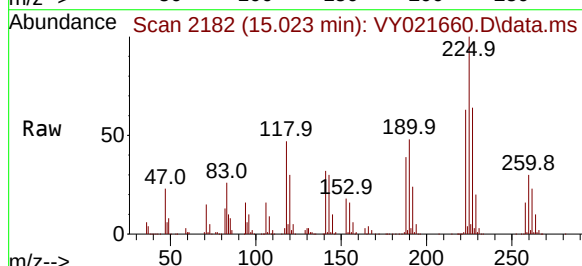
Tgt Ion:225 Resp: 172909

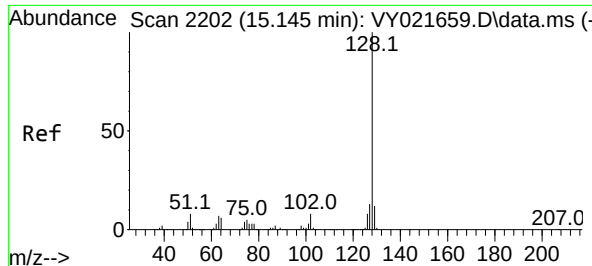
Ion Ratio Lower Upper

225 100

223 63.7 31.9 95.7

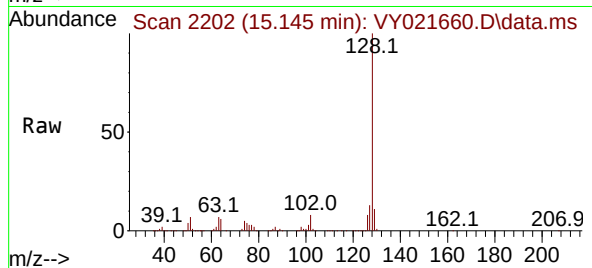
227 63.5 32.4 97.0





#95
Naphthalene
Concen: 109.498 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

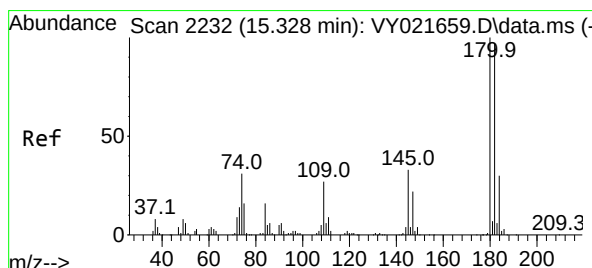
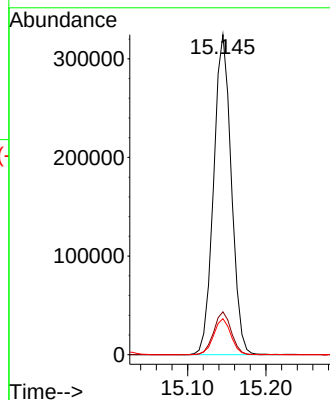
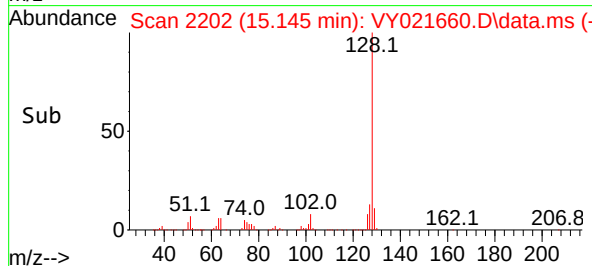
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



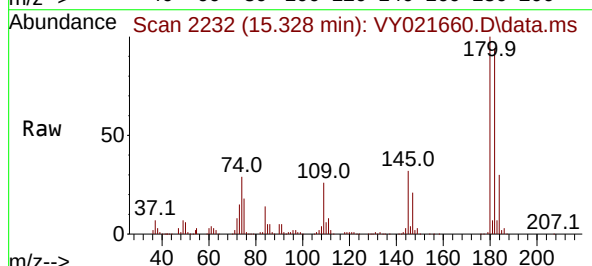
Tgt Ion:128 Resp: 508449
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 11.0 8.8 13.2

Manual Integrations
APPROVED

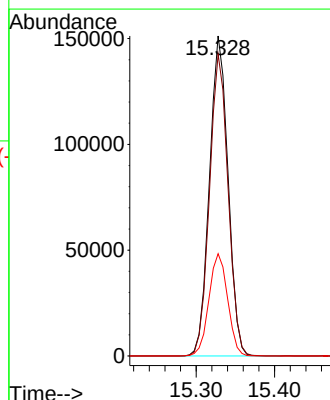
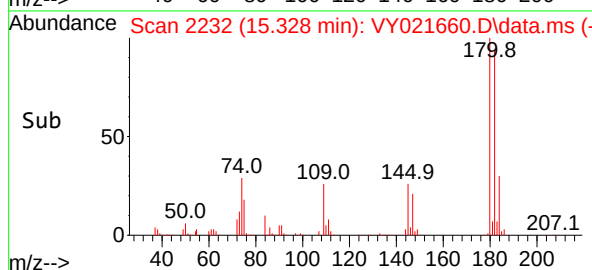
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.158 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



Tgt Ion:180 Resp: 248821
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.5
145 32.1 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:08:57 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l	100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l #	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l	99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l	99
46) Dibromomethane	9.231	93	228287	137.167	ug/l	98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l	98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l	99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l	100
52) Toluene	10.170	92	1094229	143.758	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l	99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l	98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l	100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l	99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l	99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l	98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l	98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l	100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l	100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l	100
69) o-Xylene	11.957	106	764721	149.852	ug/l	98
70) Styrene	11.969	104	1300778	152.877	ug/l	99
71) Bromoform	12.133	173	244045	143.224	ug/l #	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l	99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174	ug/l	
77) Bromobenzene	12.530	156	461221	145.881	ug/l	99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l	100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l	99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l	100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l	100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l	99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l	99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l	99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l	99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l	98
95) Naphthalene	15.145	128	859499	176.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

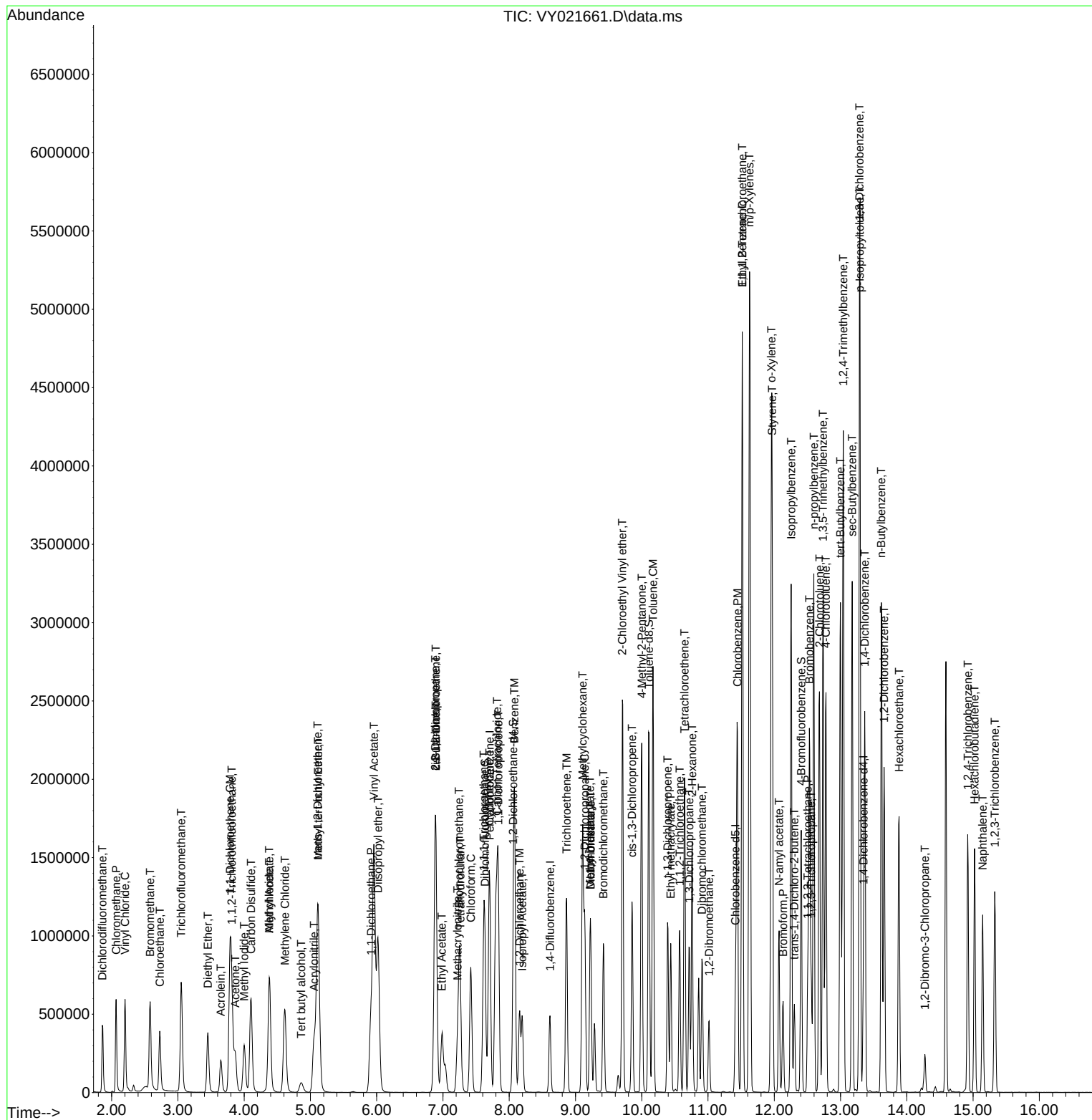
VSTDICC150

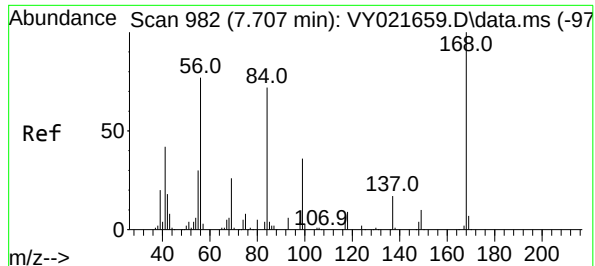
Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration





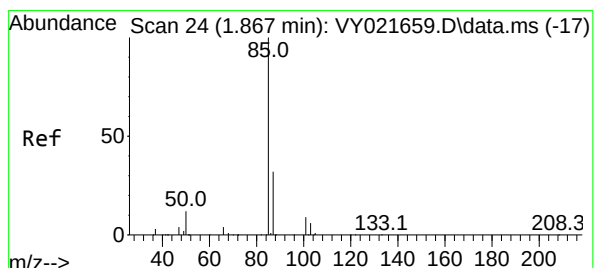
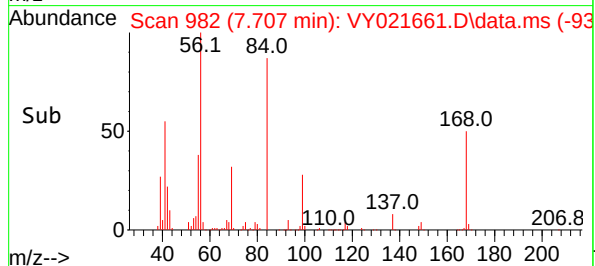
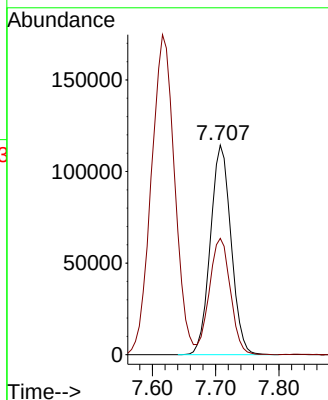
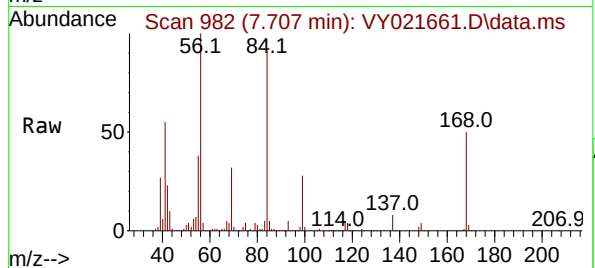
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 259670
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1

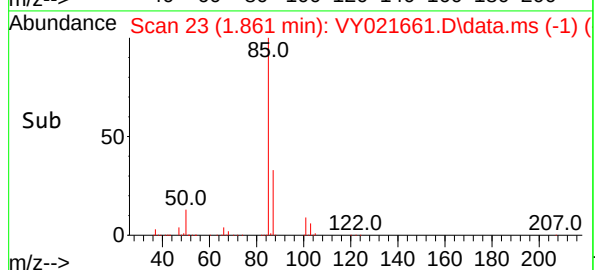
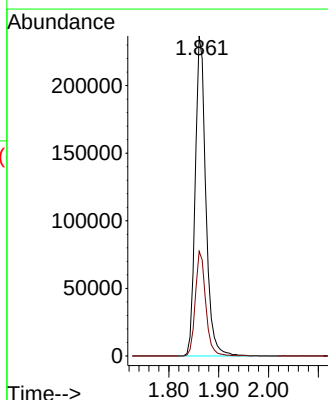
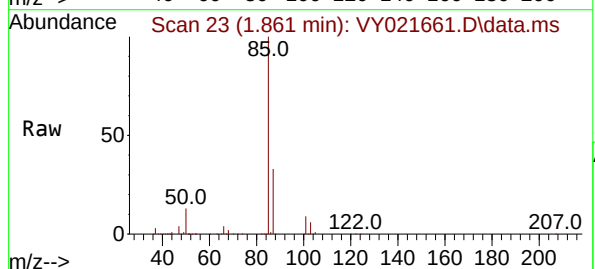
Manual Integrations
APPROVED

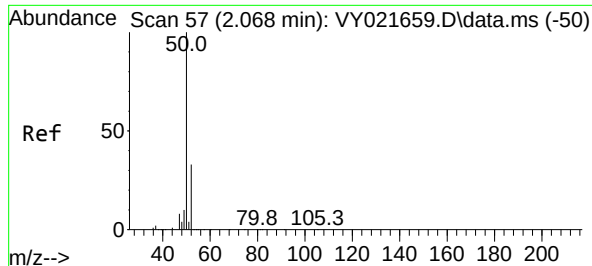
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 129.414 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 85 Resp: 348314
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6





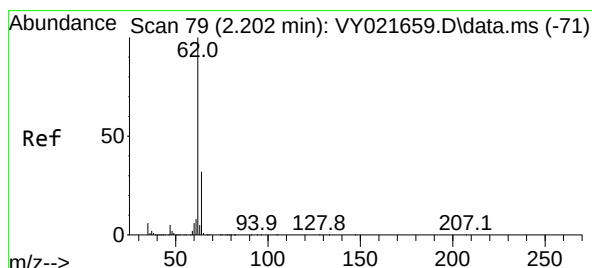
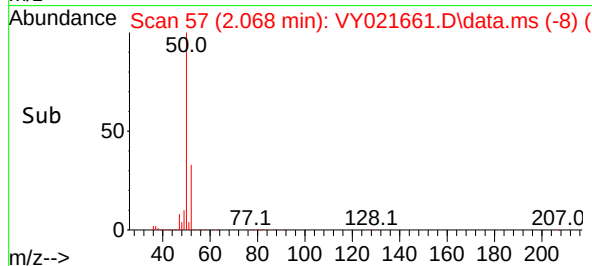
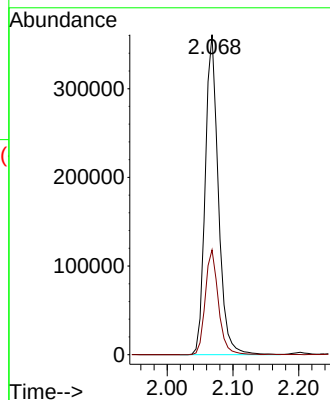
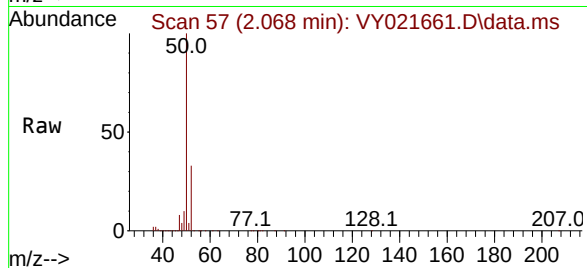
#3
Chloromethane
Concen: 132.551 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 50 Resp: 501654
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

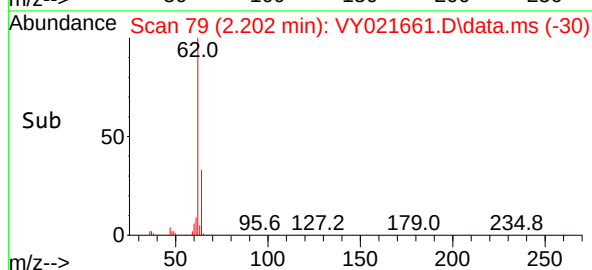
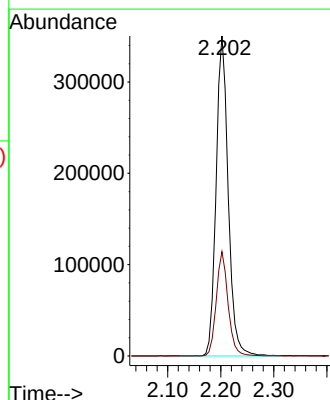
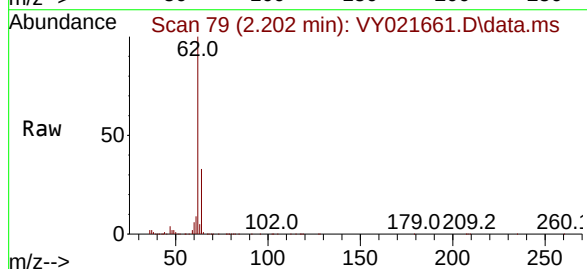
Manual Integrations
APPROVED

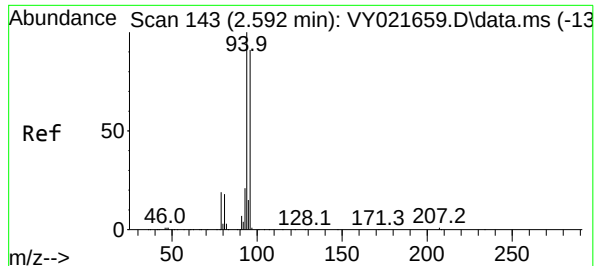
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 129.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

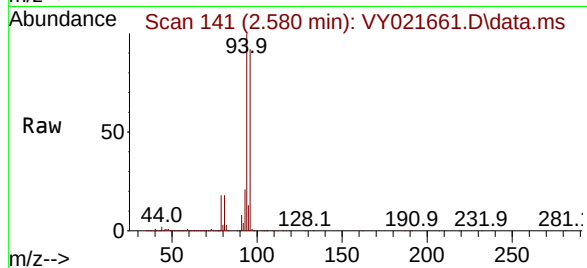
Tgt Ion: 62 Resp: 555909
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3





#5
Bromomethane
Concen: 135.035 ug/l
RT: 2.580 min Scan# 143
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

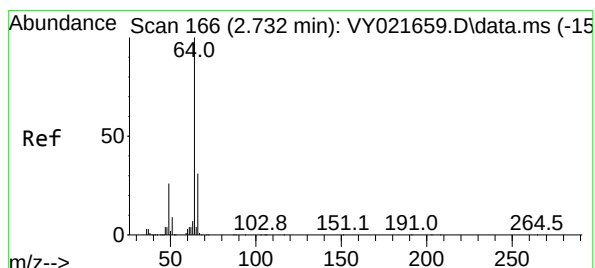
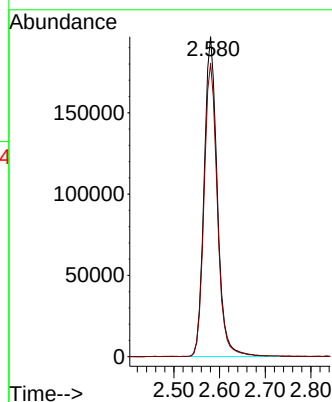
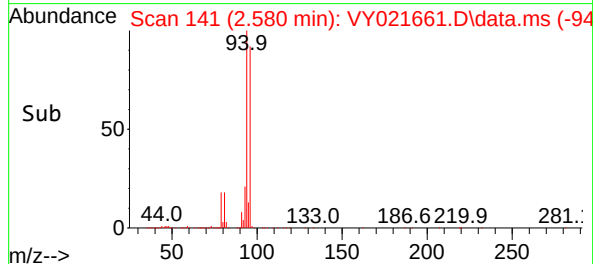
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



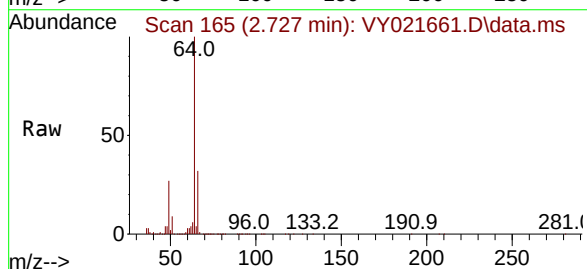
Tgt Ion: 94 Resp: 394188
Ion Ratio Lower Upper
94 100
96 91.6 72.8 109.2

Manual Integrations
APPROVED

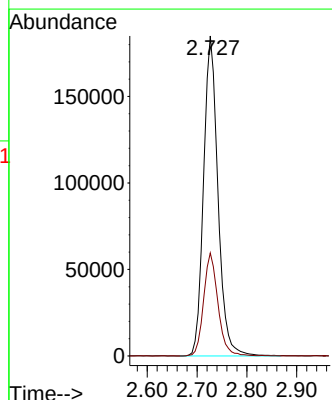
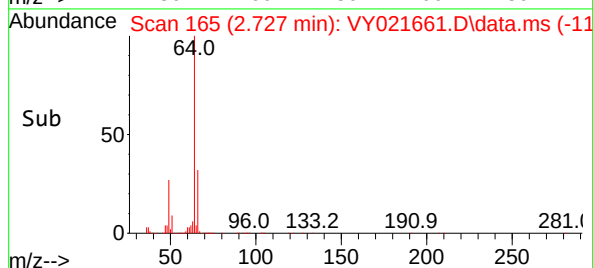
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

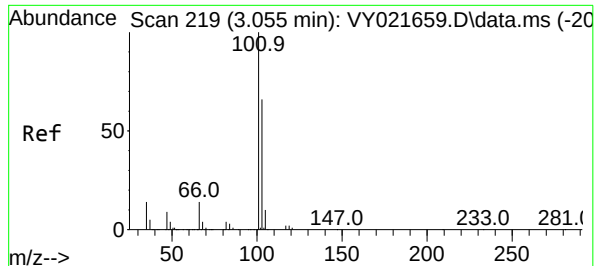


#6
Chloroethane
Concen: 132.337 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



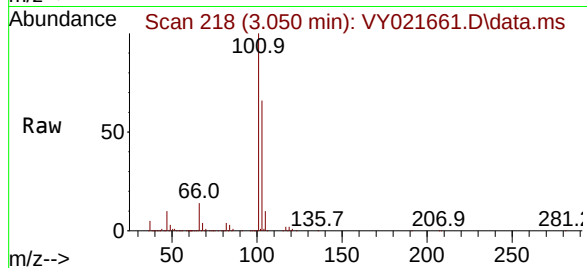
Tgt Ion: 64 Resp: 370633
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 129.919 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

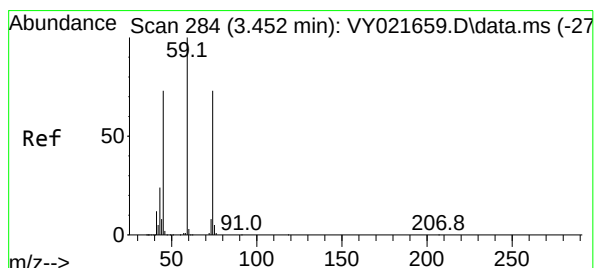
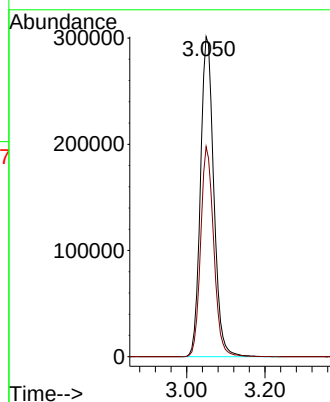
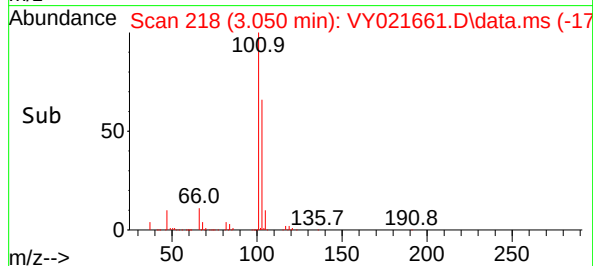
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 712314
Ion Ratio Lower Upper
101 100
103 65.6 53.1 79.7

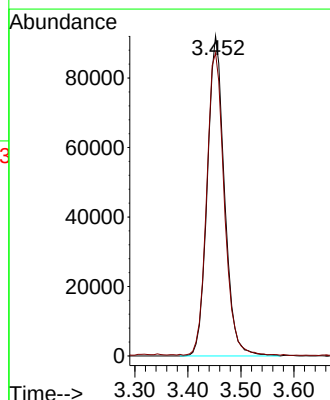
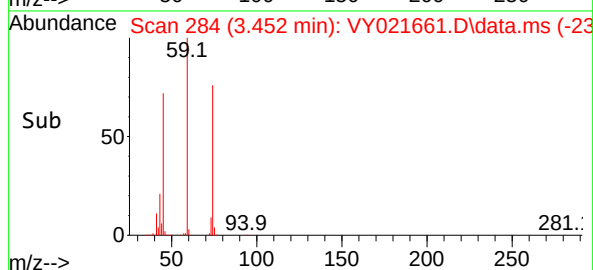
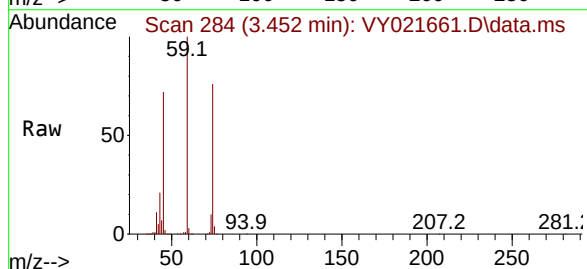
Manual Integrations
APPROVED

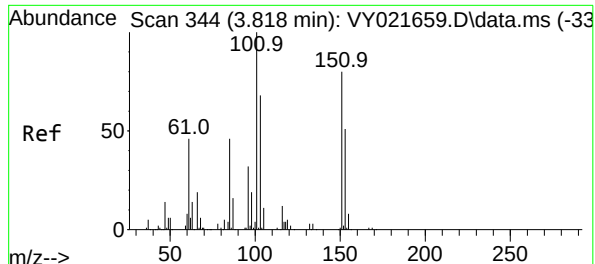
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 138.727 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 74 Resp: 206844
Ion Ratio Lower Upper
74 100
45 96.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.532 ug/l

RT: 3.812 min Scan# 344

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:101 Resp: 36878

Ion Ratio Lower Upper

101 100

85 46.2 36.3 54.5

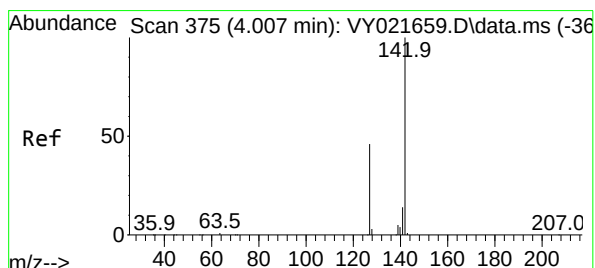
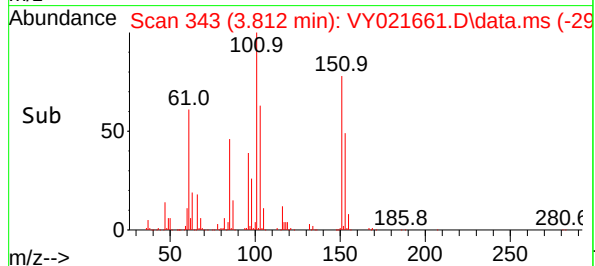
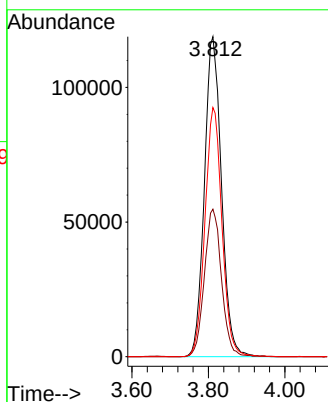
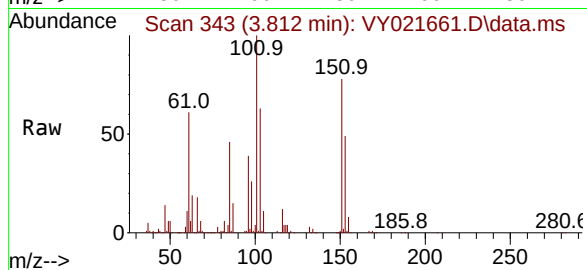
151 77.5 61.3 91.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#10

Methyl Iodide

Concen: 152.366 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

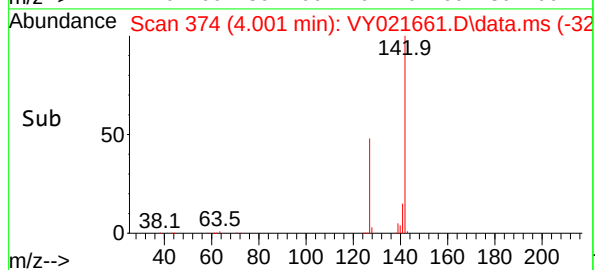
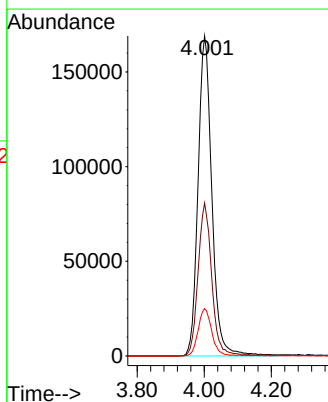
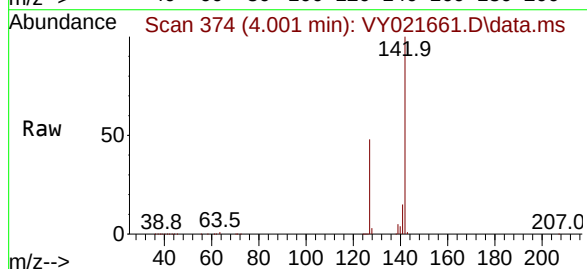
Tgt Ion:142 Resp: 483364

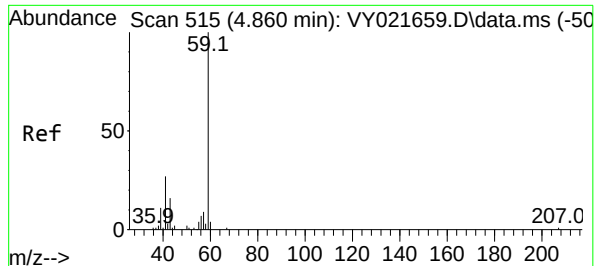
Ion Ratio Lower Upper

142 100

127 47.4 38.7 58.1

141 14.5 11.5 17.3





#11

Tert butyl alcohol

Concen: 692.642 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 12657

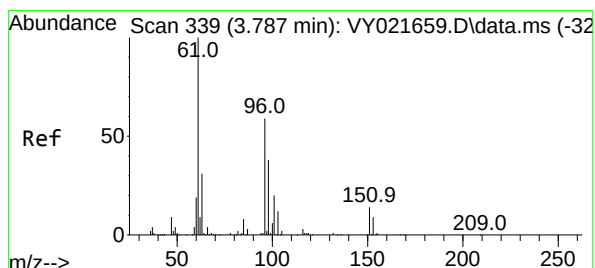
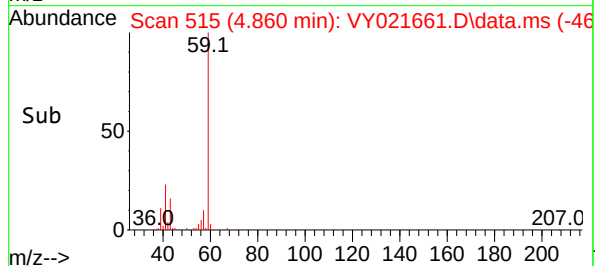
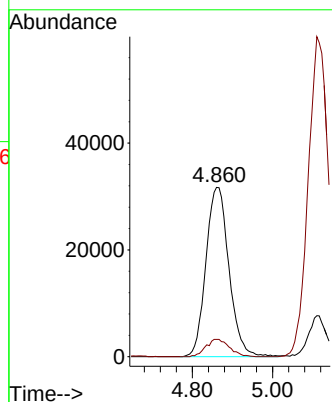
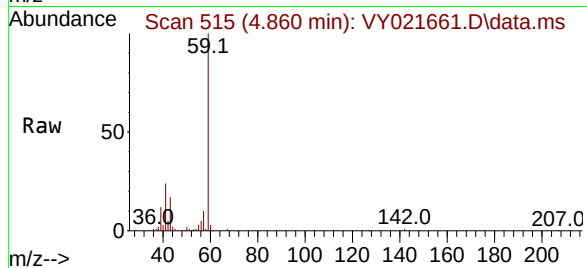
Ion Ratio Lower Upper

59 100

57 10.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

#12

1,1-Dichloroethene

Concen: 136.361 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

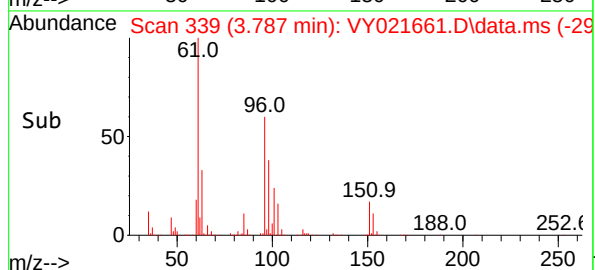
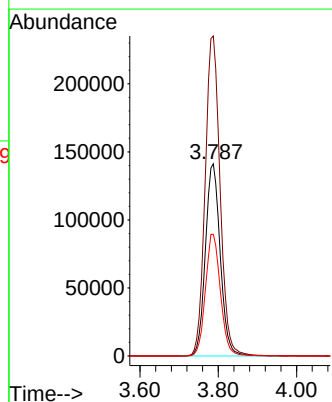
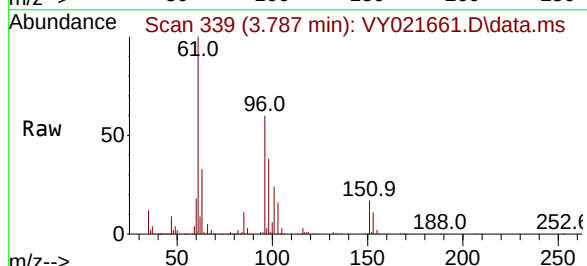
Tgt Ion: 96 Resp: 371412

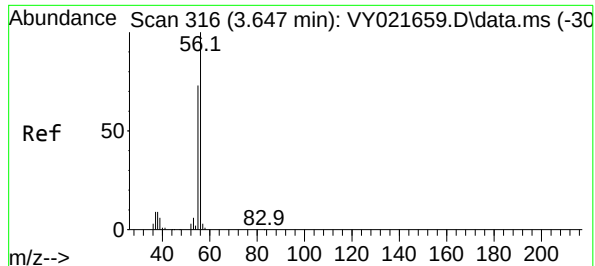
Ion Ratio Lower Upper

96 100

61 166.5 136.6 204.8

98 63.3 52.3 78.5





#13

Acrolein

Concen: 708.604 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 236449

Ion Ratio Lower Upper

56 100

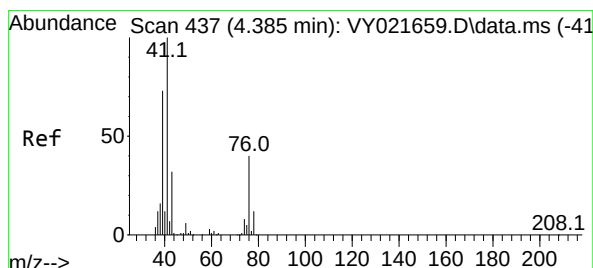
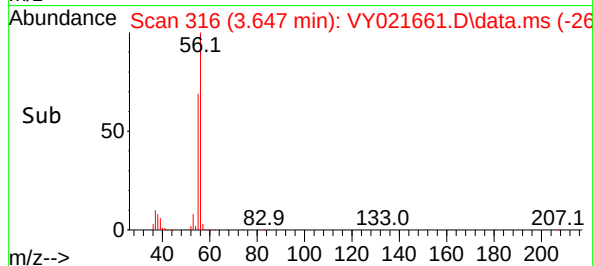
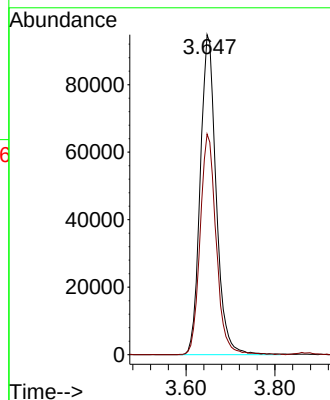
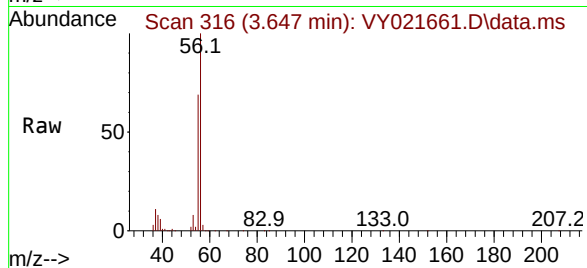
55 69.6 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 143.656 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

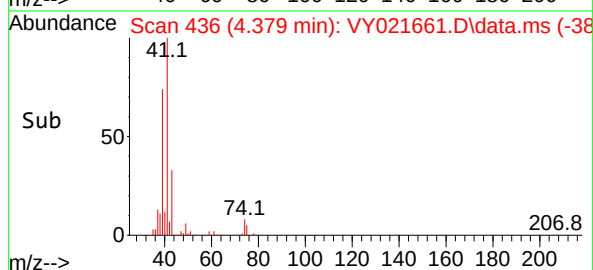
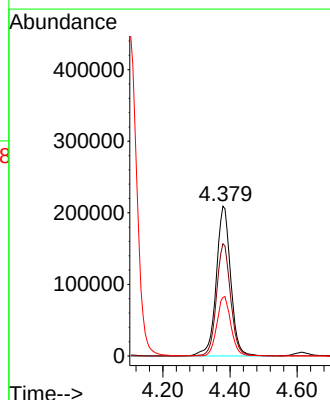
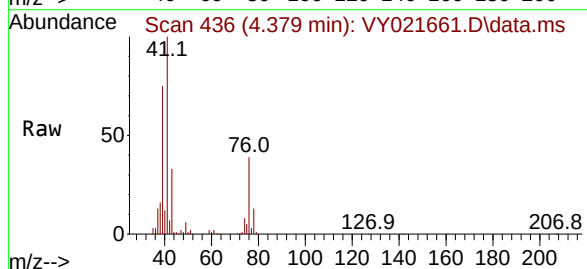
Tgt Ion: 41 Resp: 623865

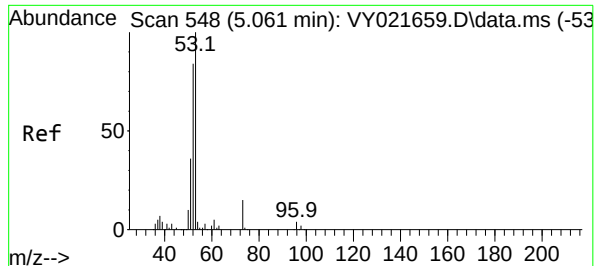
Ion Ratio Lower Upper

41 100

39 73.5 58.6 88.0

76 38.2 30.3 45.5





#15

Acrylonitrile

Concen: 706.375 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

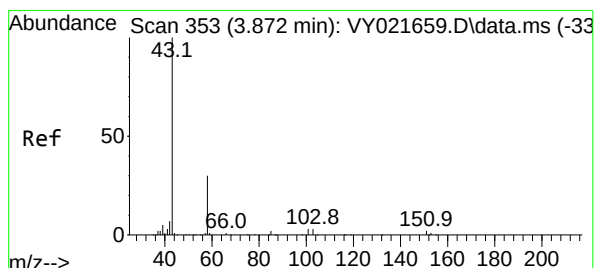
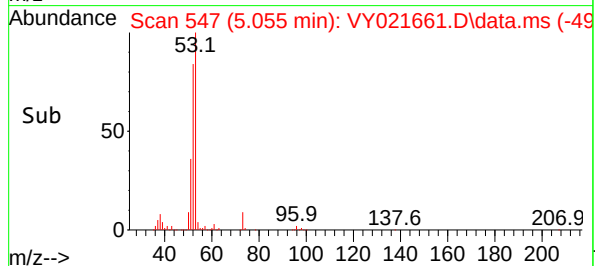
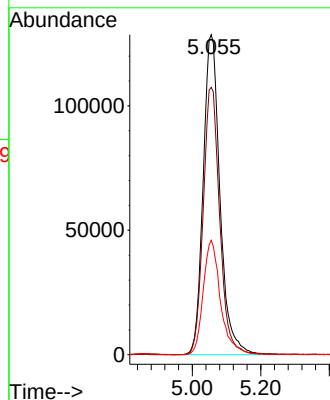
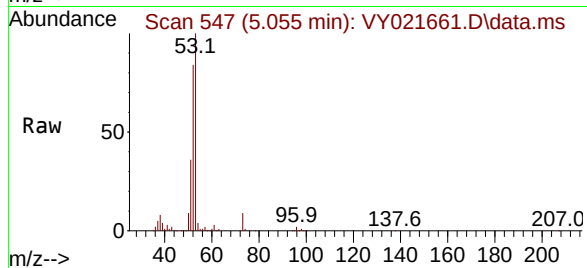
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	43975
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.9	97.3
51	37.0	30.2	45.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 686.626 ug/l

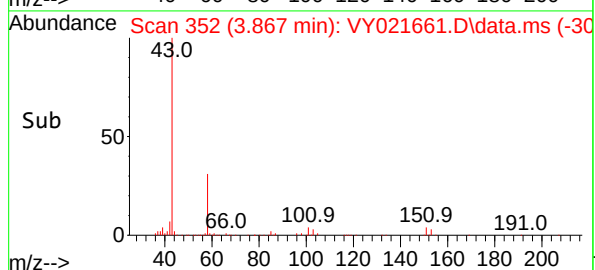
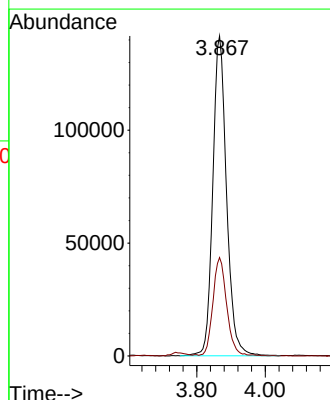
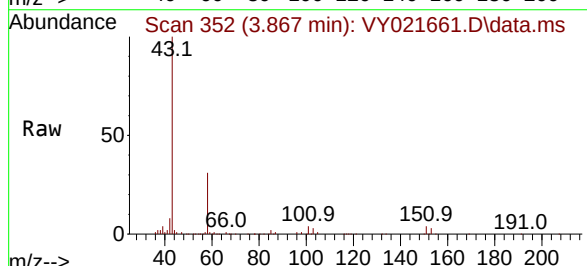
RT: 3.867 min Scan# 352

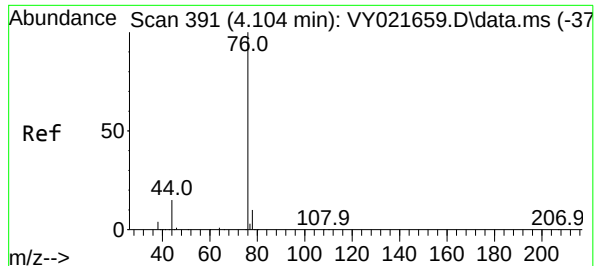
Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:	43	Resp:	395370
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4





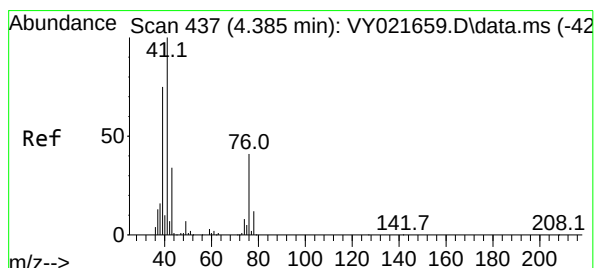
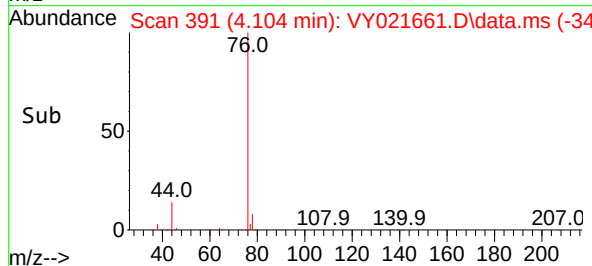
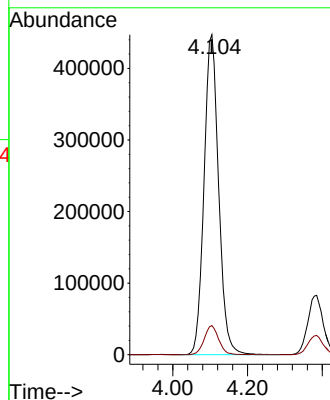
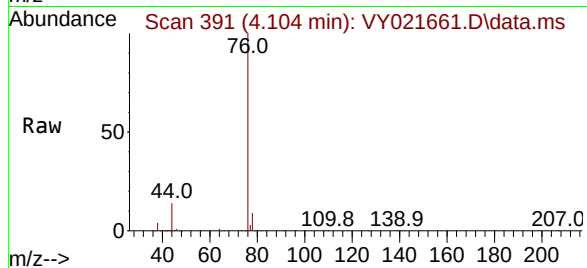
#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 1209290
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

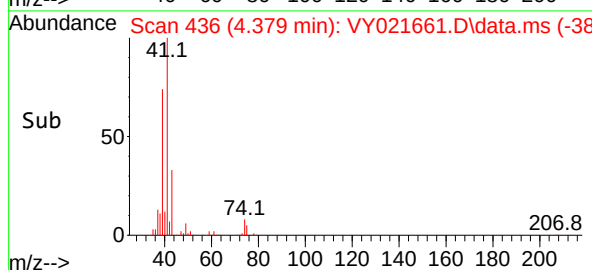
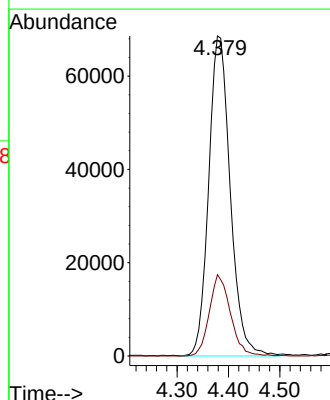
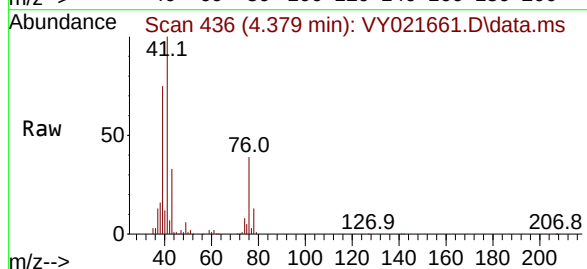
Manual Integrations
APPROVED

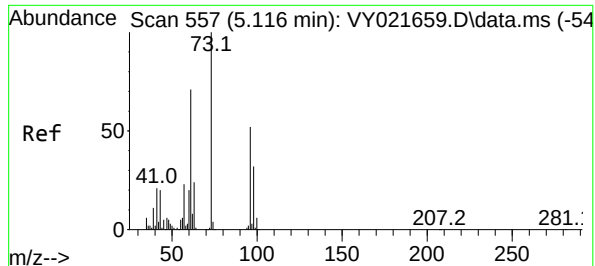
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 140.110 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 199951
Ion Ratio Lower Upper
43 100
74 24.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 148.374 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 1006150

Ion Ratio Lower Upper

73 100

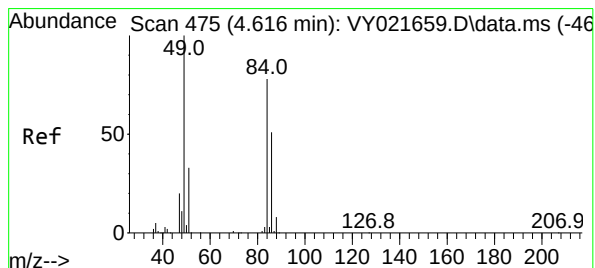
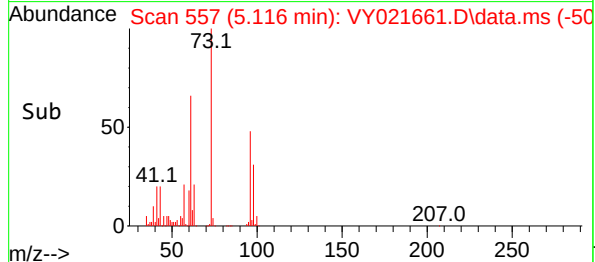
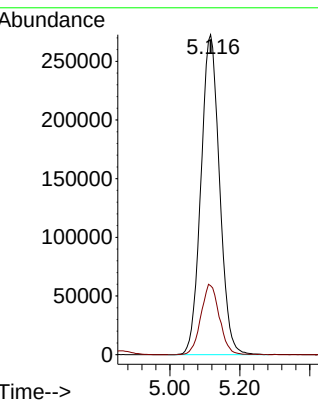
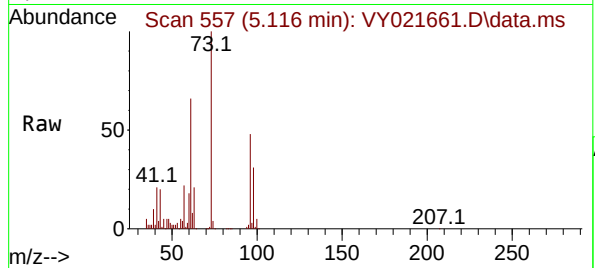
57 21.6 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 149.840 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion: 84 Resp: 400434

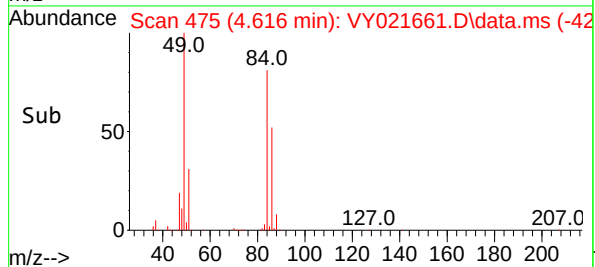
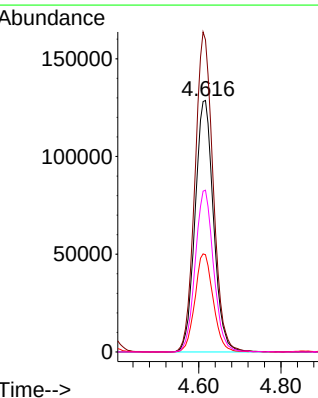
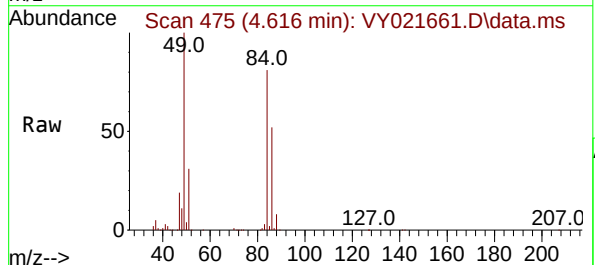
Ion Ratio Lower Upper

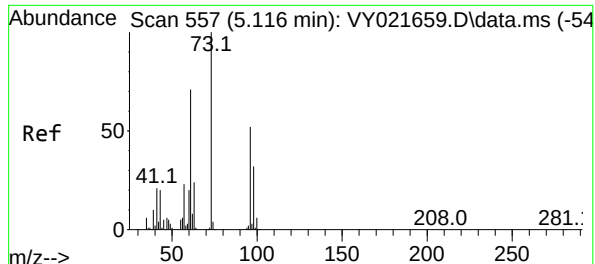
84 100

49 124.1 102.8 154.2

51 38.6 33.5 50.3

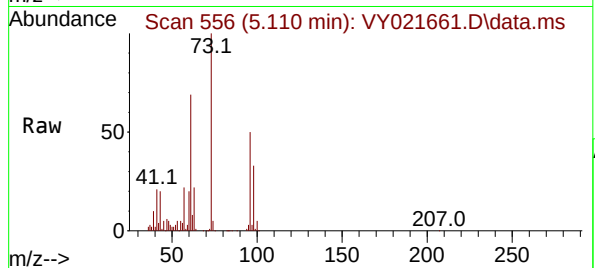
86 64.3 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 139.351 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

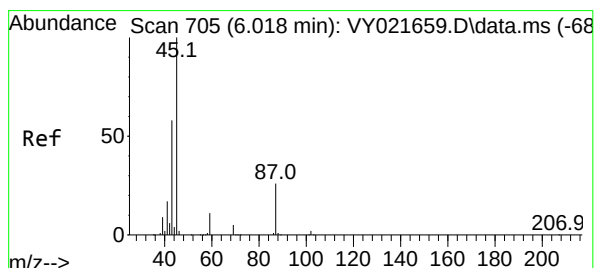
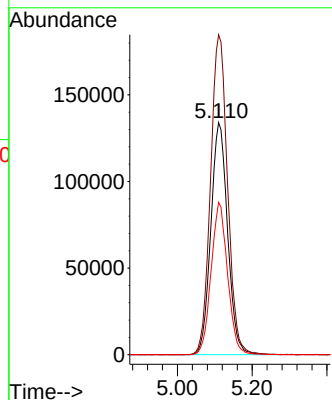
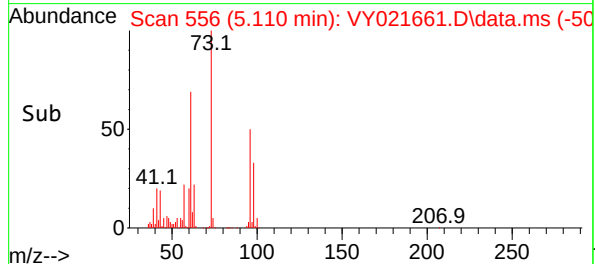
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 417900
Ion Ratio Lower Upper
96 100
61 137.8 109.4 164.0
98 65.6 50.2 75.2

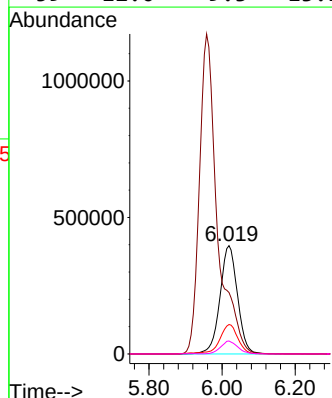
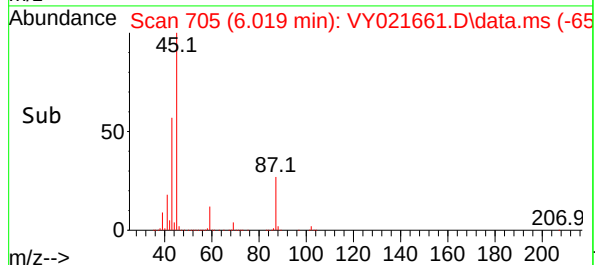
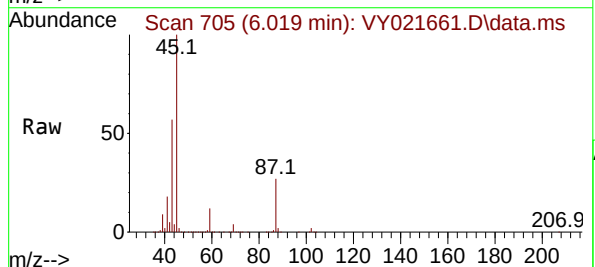
Manual Integrations
APPROVED

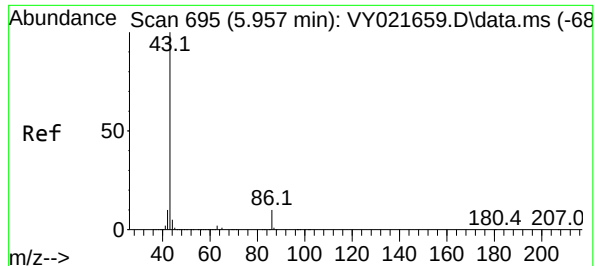
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 145.463 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 45 Resp: 1325167
Ion Ratio Lower Upper
45 100
43 56.7 46.6 69.8
87 27.2 20.7 31.1
59 12.0 9.3 13.9





#23

Vinyl Acetate

Concen: 749.332 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3993494

Ion Ratio Lower Upper

43

100

86

10.7

8.2

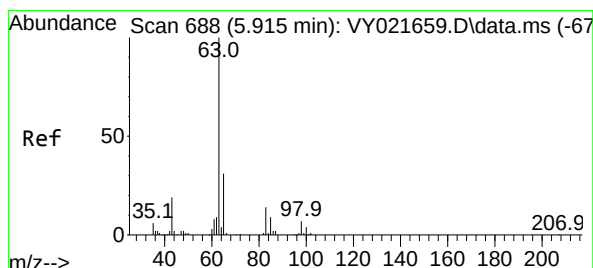
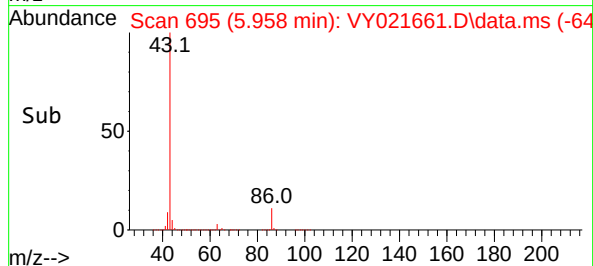
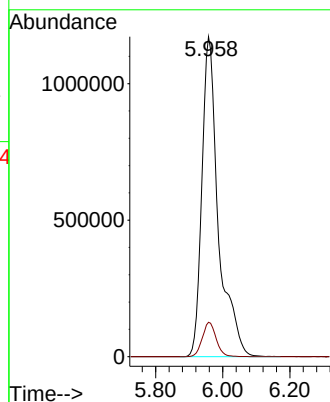
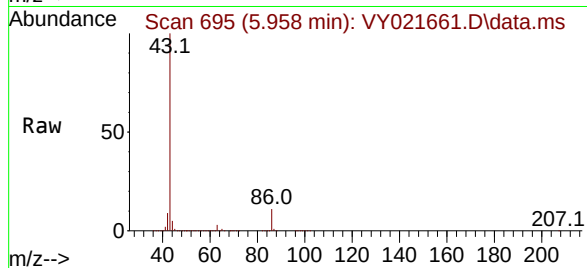
12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 138.403 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 753930

Ion Ratio Lower Upper

63

100

98

6.9

3.5

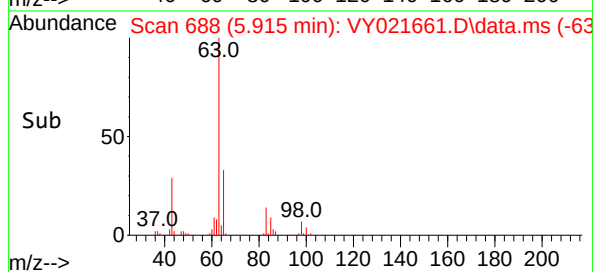
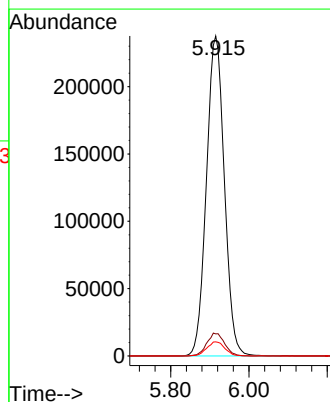
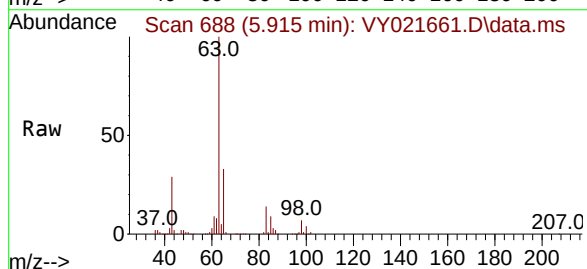
10.5

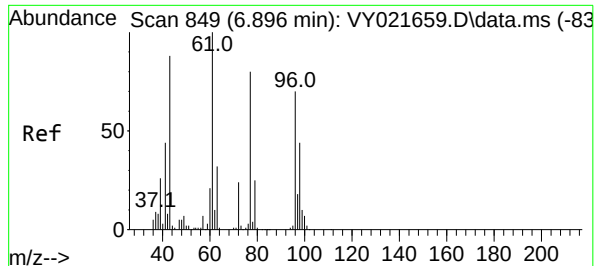
100

4.4

2.2

6.6





#25

2-Butanone

Concen: 733.215 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 603028

Ion Ratio Lower Upper

43 100

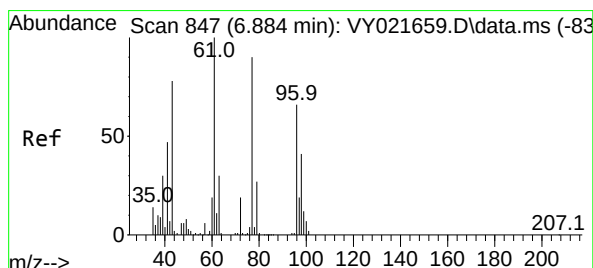
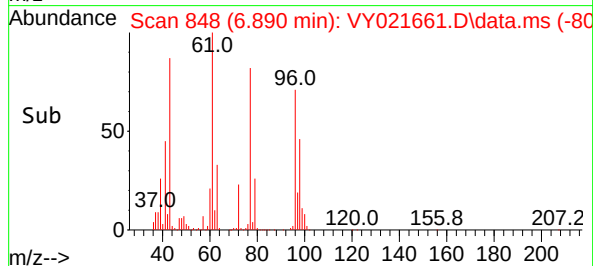
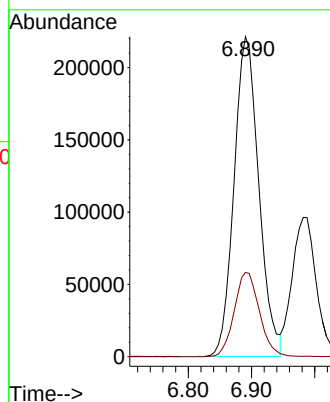
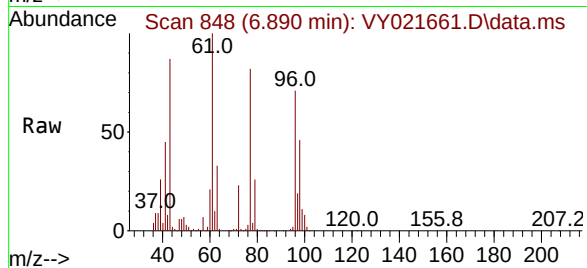
72 26.4 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 139.949 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021661.D

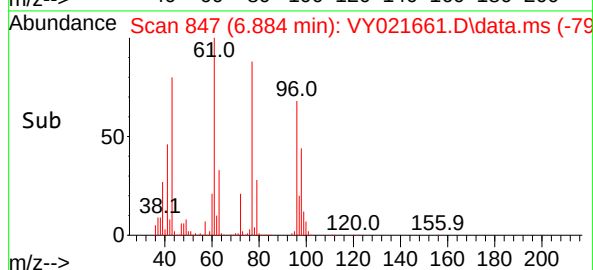
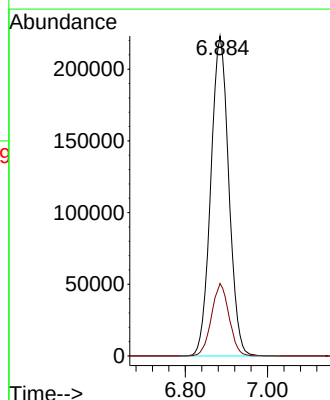
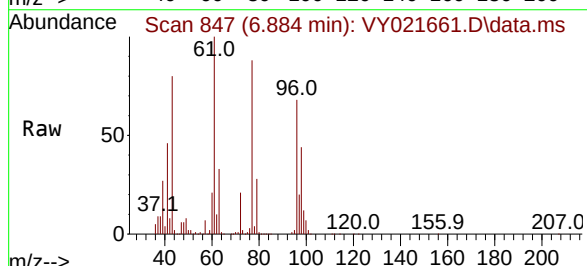
Acq: 27 Mar 2025 12:02

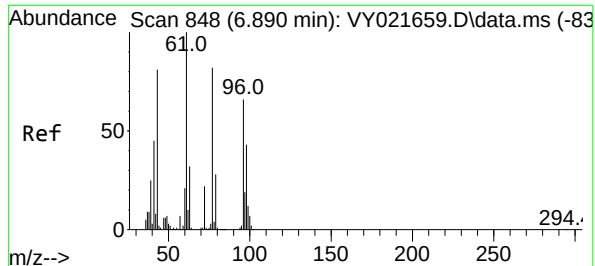
Tgt Ion: 77 Resp: 678134

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 145.395 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 490349

Ion Ratio Lower Upper

96 100

61 146.8 0.0 296.4

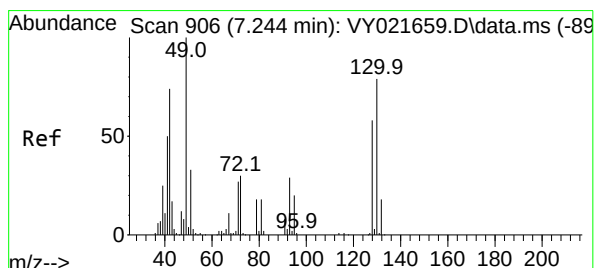
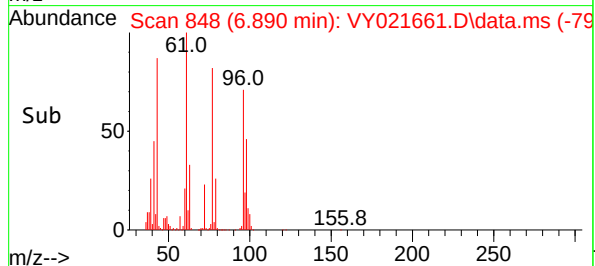
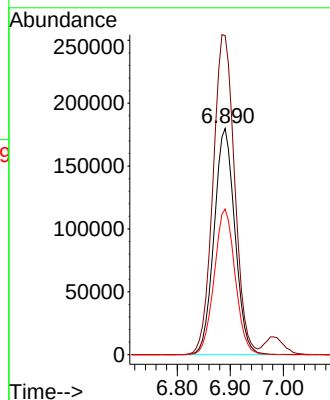
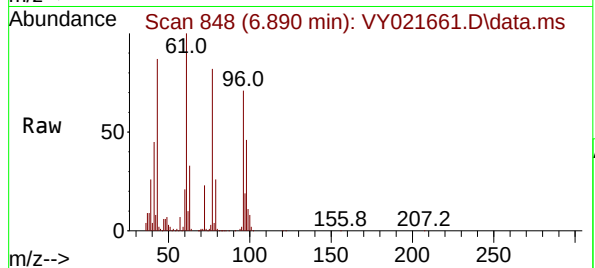
98 64.9 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 136.480 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

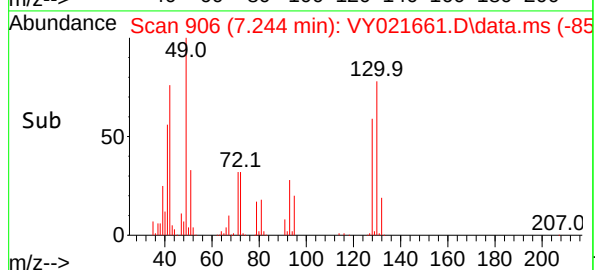
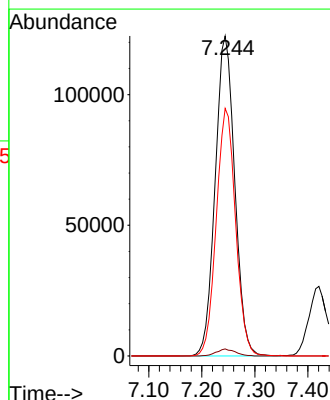
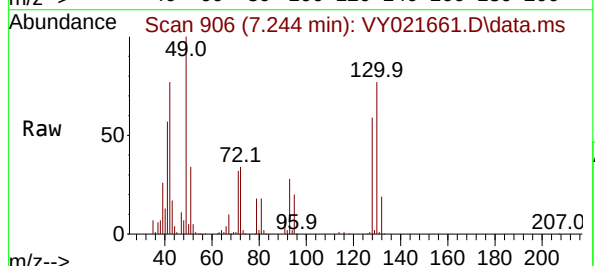
Tgt Ion: 49 Resp: 313542

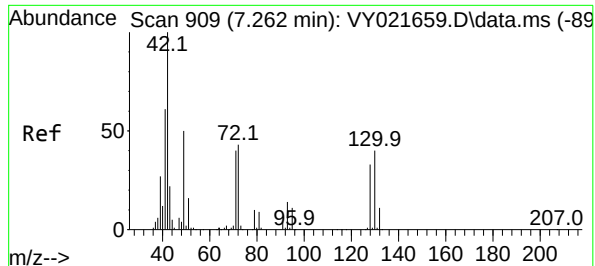
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 716.799 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

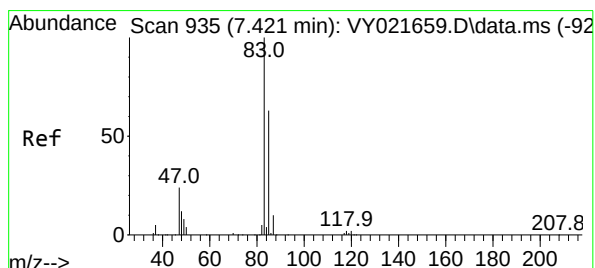
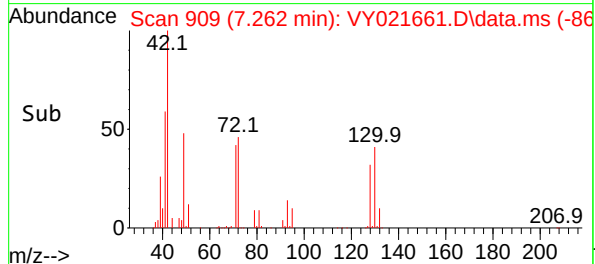
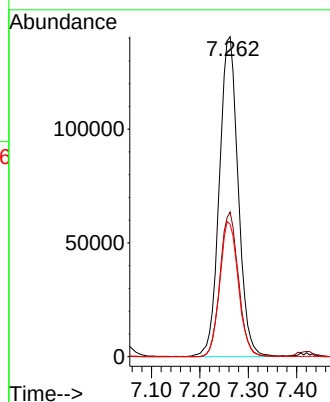
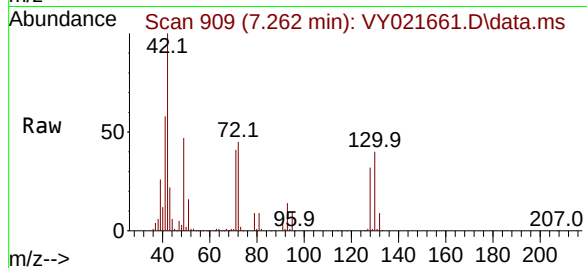
ClientSampleId :

VSTDICC150

Tgt Ion:	42	Resp:	37941
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.9	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 137.548 ug/l

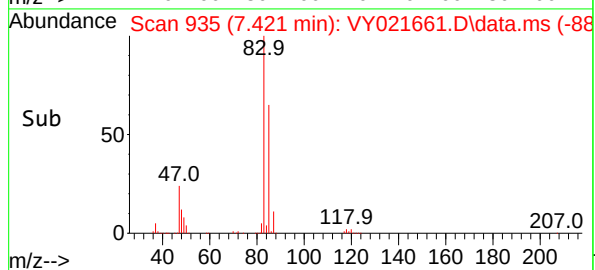
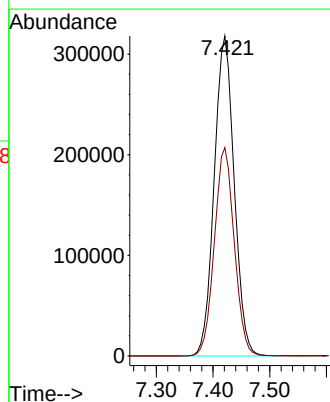
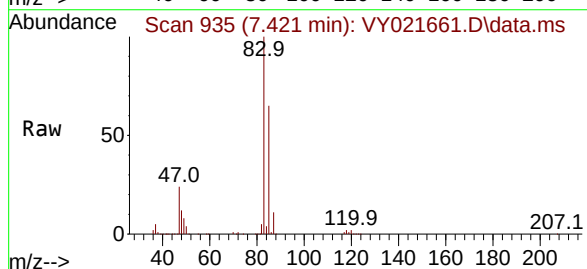
RT: 7.421 min Scan# 935

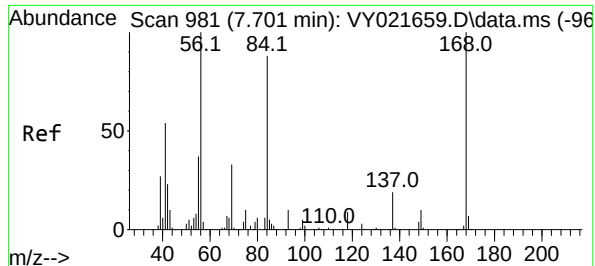
Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:	83	Resp:	779319
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





#31

Cyclohexane

Concen: 128.388 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 63753

Ion Ratio Lower Upper

56 100

69 31.0 26.6 40.0

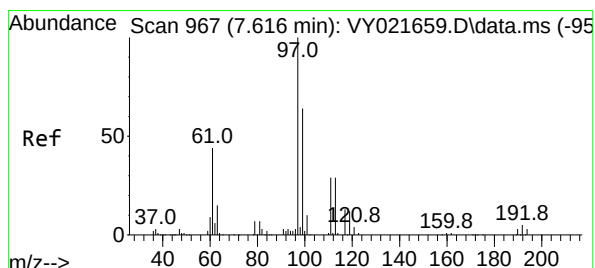
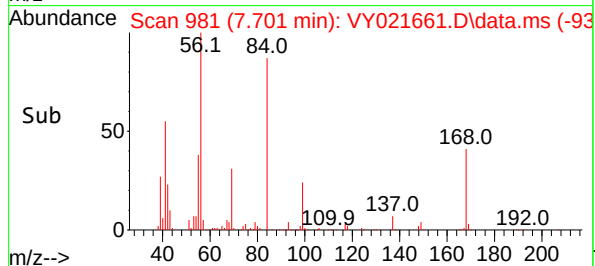
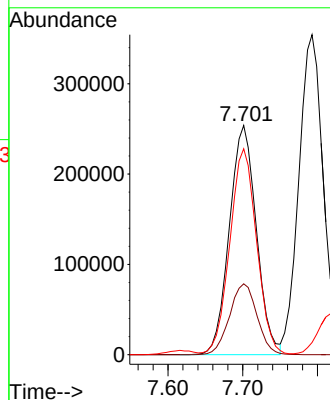
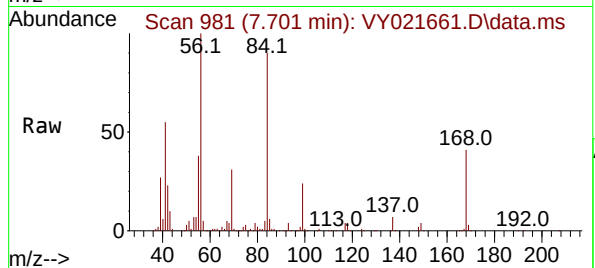
84 88.0 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 135.918 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

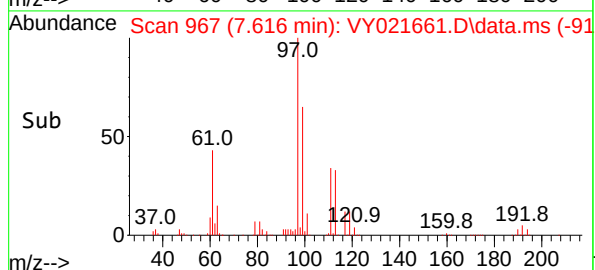
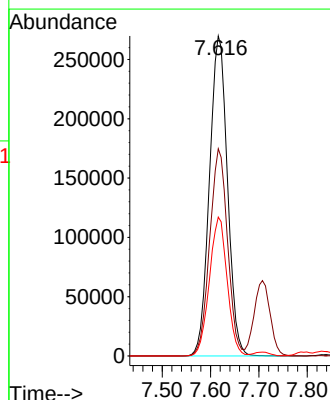
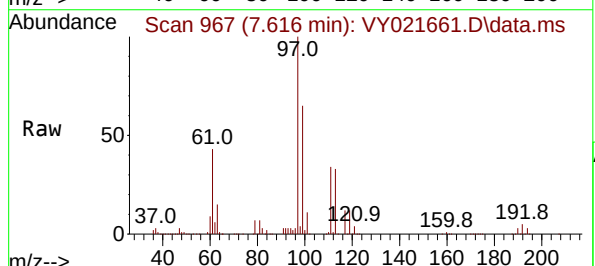
Tgt Ion: 97 Resp: 696016

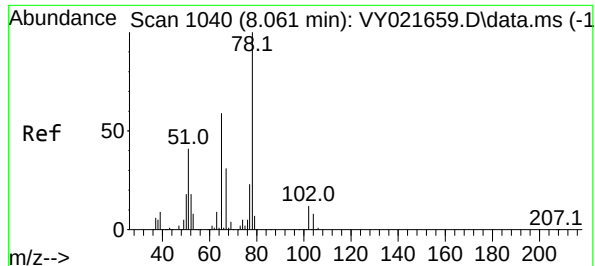
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 43.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 143.931 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 40495

Ion Ratio Lower Upper

65 100

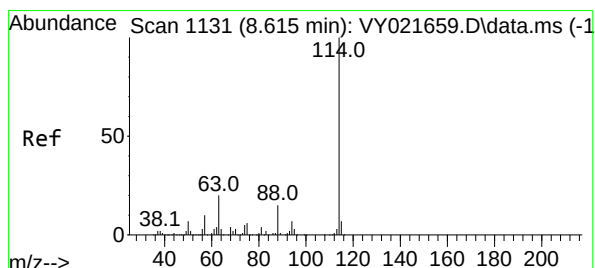
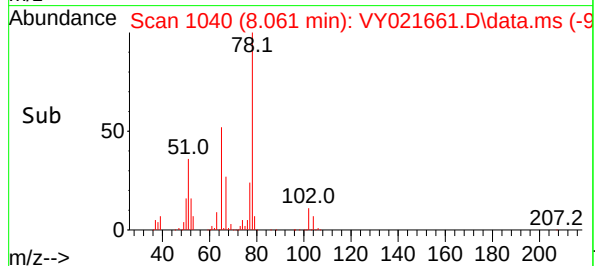
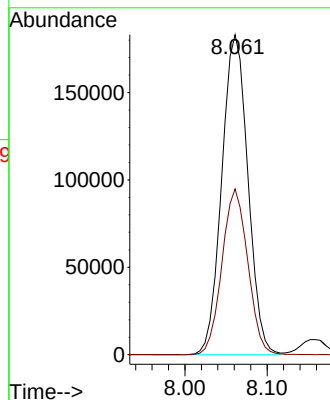
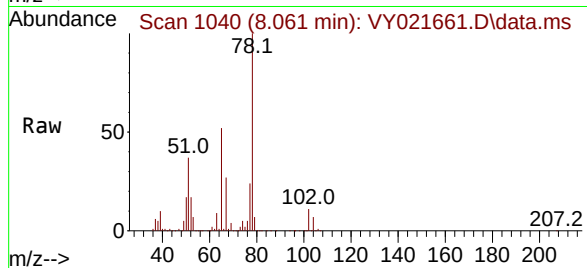
67 51.1 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

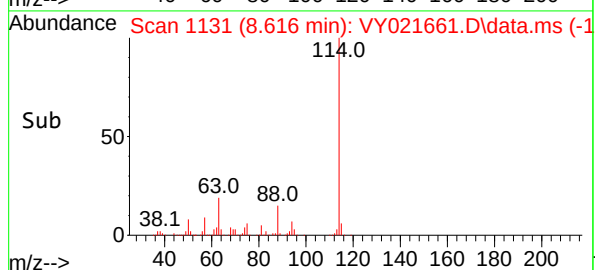
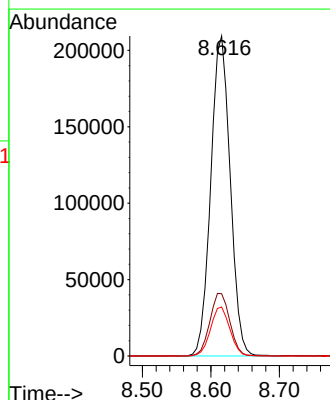
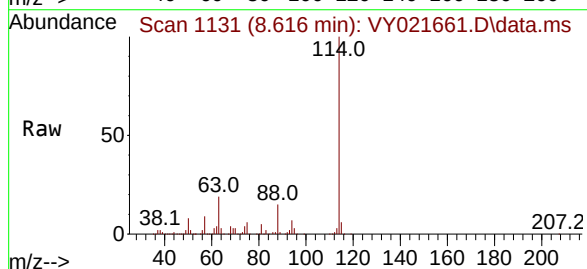
Tgt Ion:114 Resp: 412304

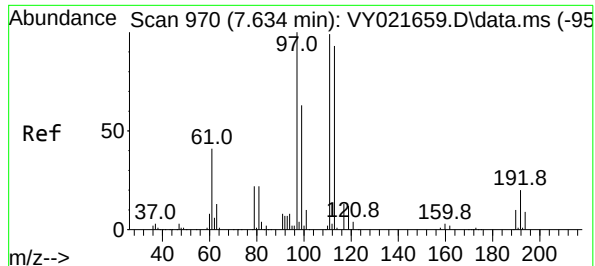
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 144.862 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 387439

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

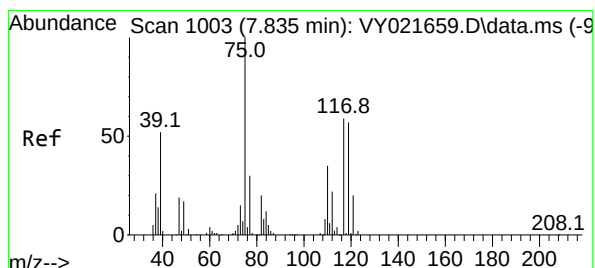
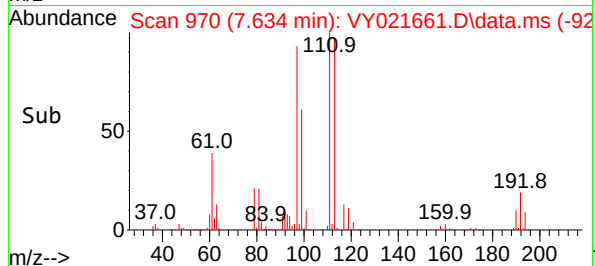
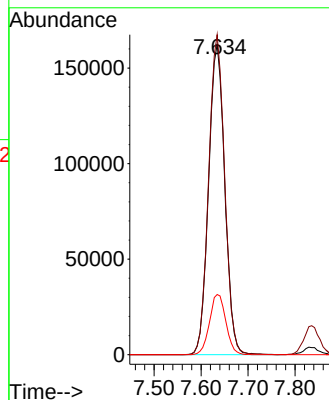
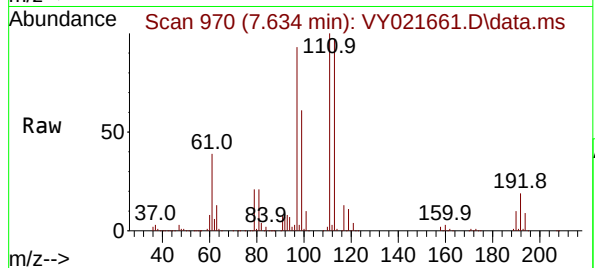
192 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 136.722 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

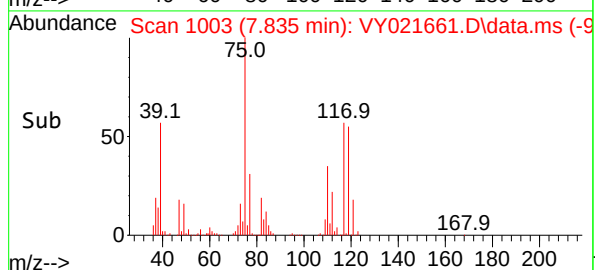
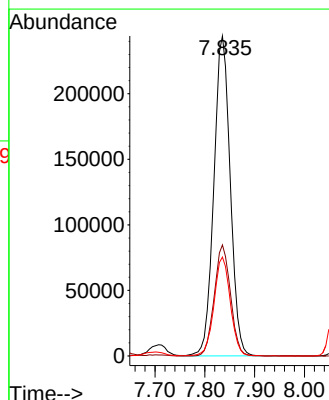
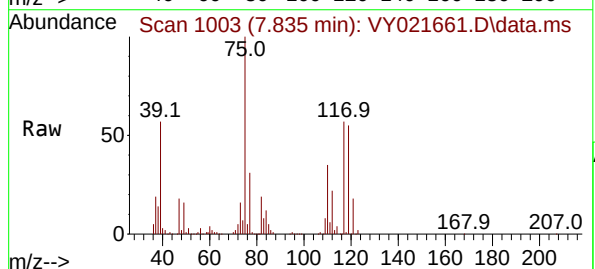
Tgt Ion: 75 Resp: 556974

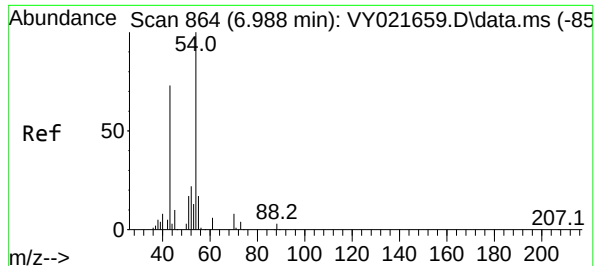
Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

77 30.9 24.8 37.2





#37

Ethyl Acetate

Concen: 134.812 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 25918

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.6

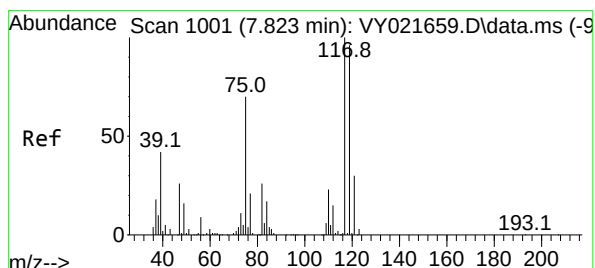
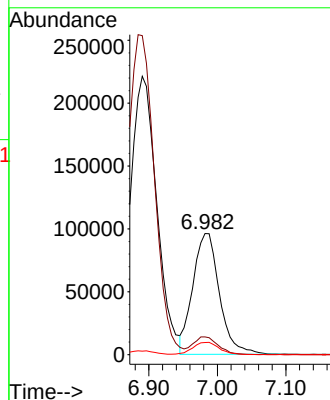
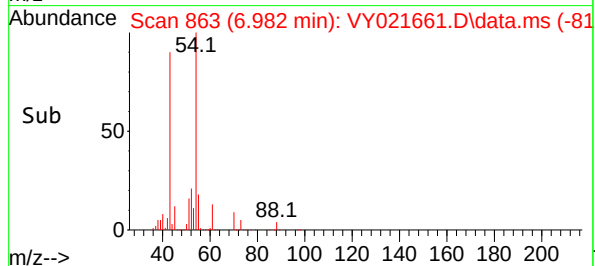
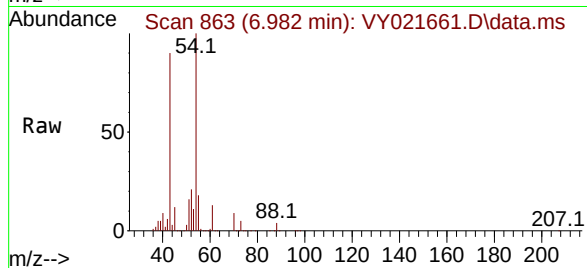
70 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 134.452 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

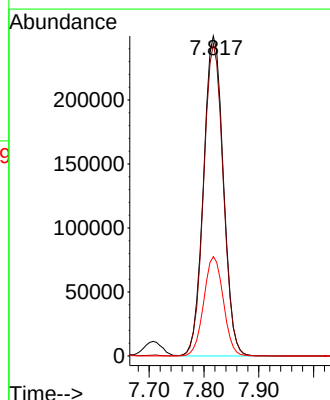
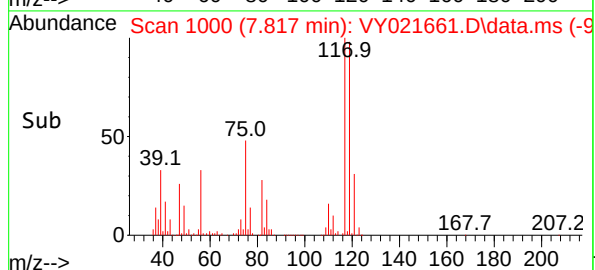
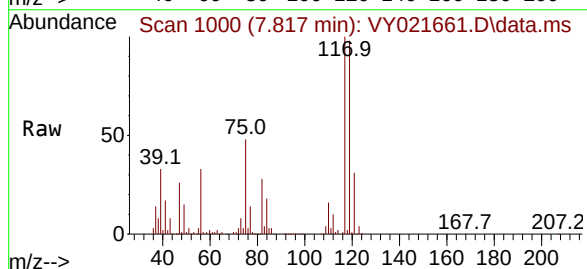
Tgt Ion:117 Resp: 627331

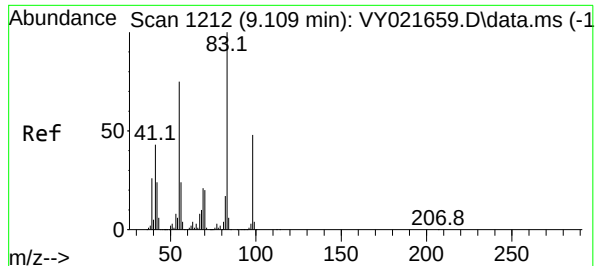
Ion Ratio Lower Upper

117 100

119 97.6 76.2 114.4

121 31.0 24.2 36.4





#39

Methylcyclohexane

Concen: 139.666 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 679694

Ion Ratio Lower Upper

83 100

55 75.3 59.7 89.5

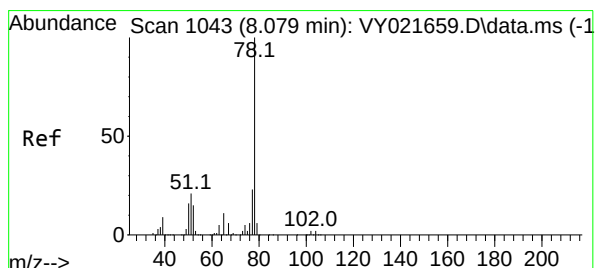
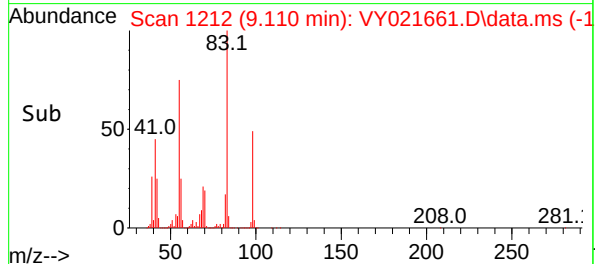
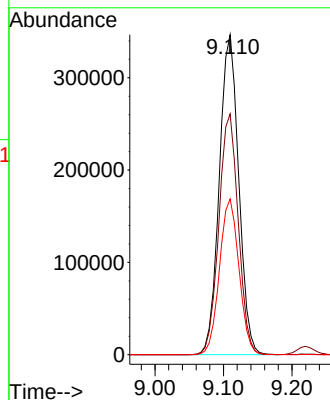
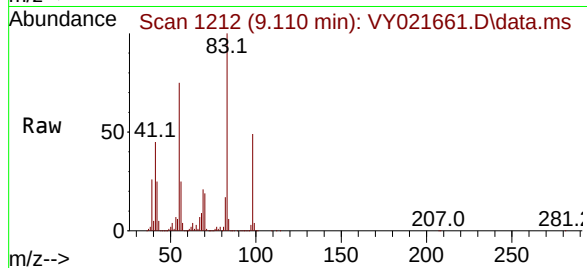
98 48.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 139.014 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021661.D

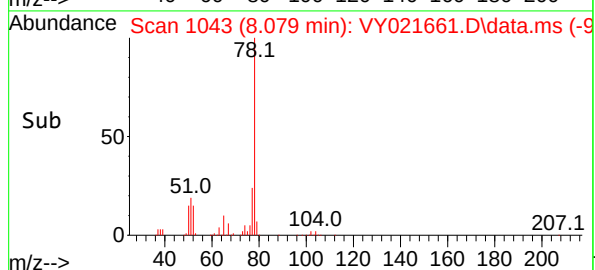
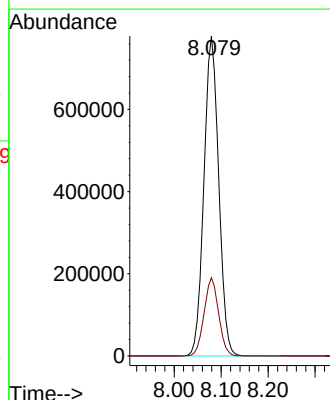
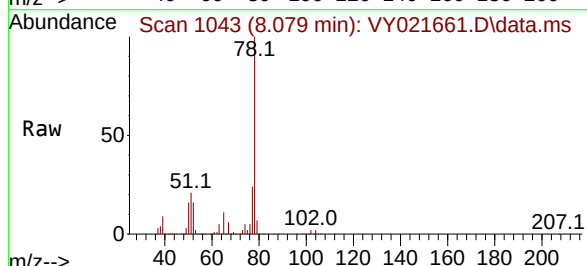
Acq: 27 Mar 2025 12:02

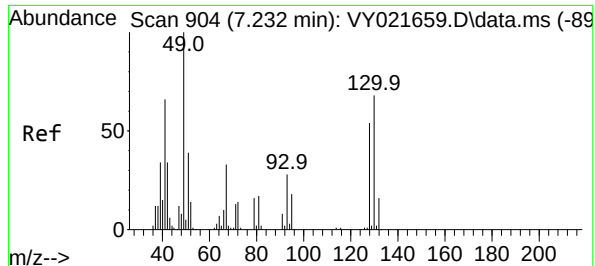
Tgt Ion: 78 Resp: 1695962

Ion Ratio Lower Upper

78 100

77 24.4 18.8 28.2





#41

Methacrylonitrile

Concen: 140.447 ug/l

RT: 7.220 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 14338

Ion Ratio Lower Upper

41 100

39 54.1 0.0 0.0

67 75.9 0.0 0.0

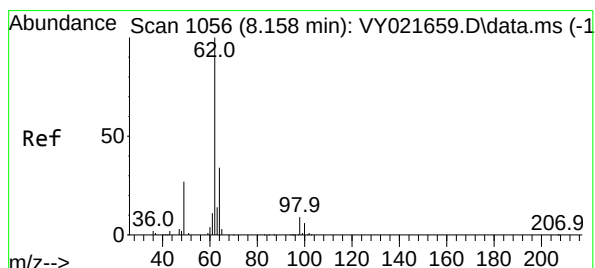
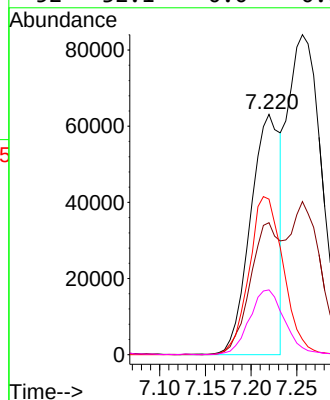
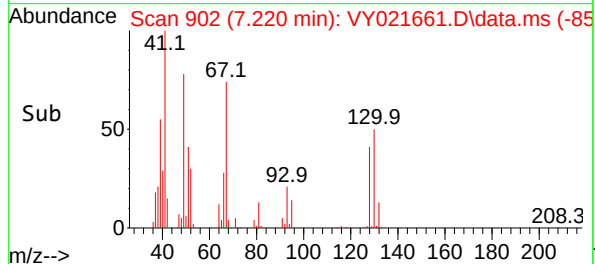
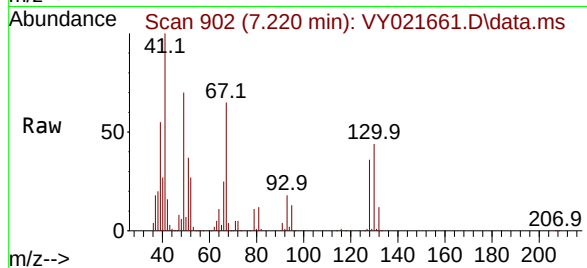
52 32.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#42

1,2-Dichloroethane

Concen: 136.165 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021661.D

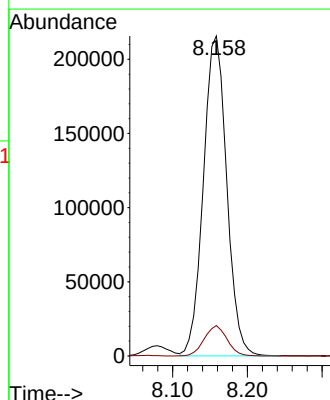
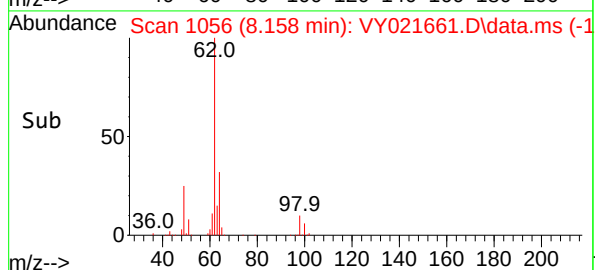
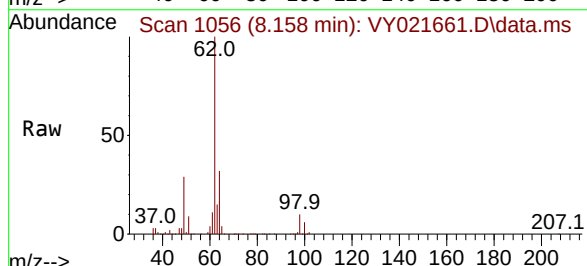
Acq: 27 Mar 2025 12:02

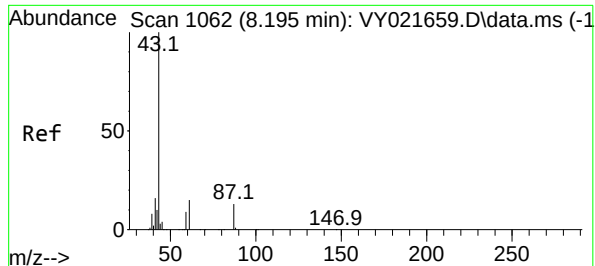
Tgt Ion: 62 Resp: 468317

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 144.731 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 527310

Ion Ratio Lower Upper

43 100

61 29.7 15.9 23.9

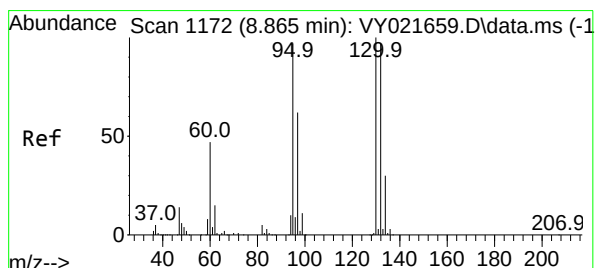
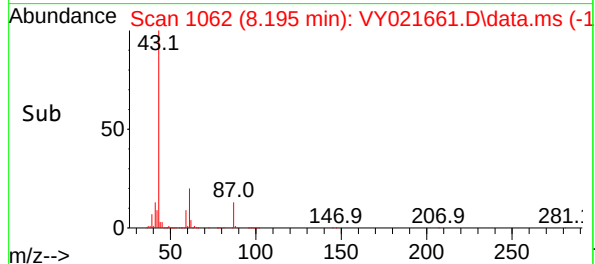
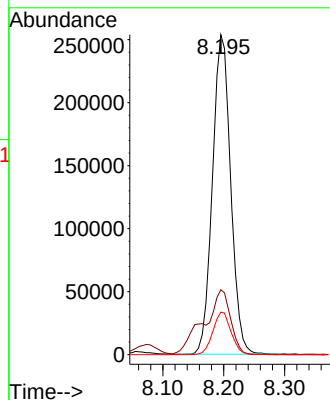
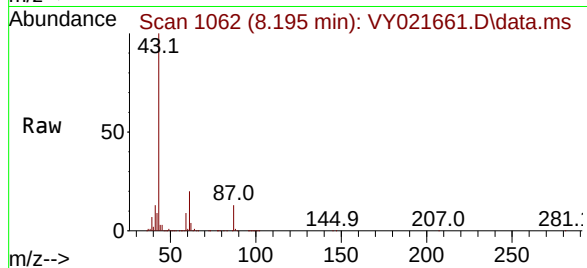
87 13.3 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 138.536 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY021661.D

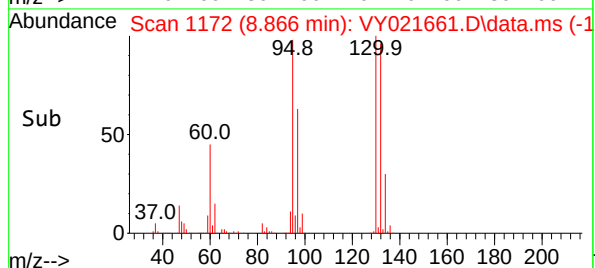
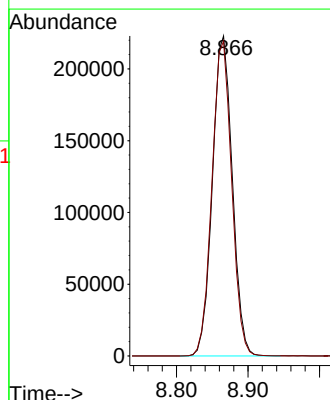
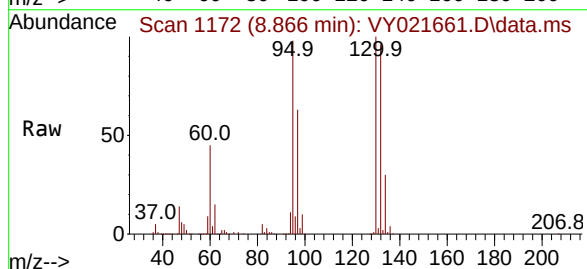
Acq: 27 Mar 2025 12:02

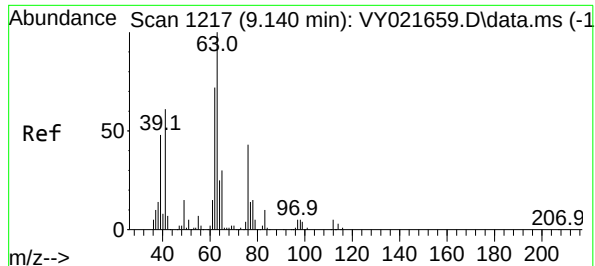
Tgt Ion:130 Resp: 430629

Ion Ratio Lower Upper

130 100

95 98.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 139.191 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 40195

Ion Ratio Lower Upper

63 100

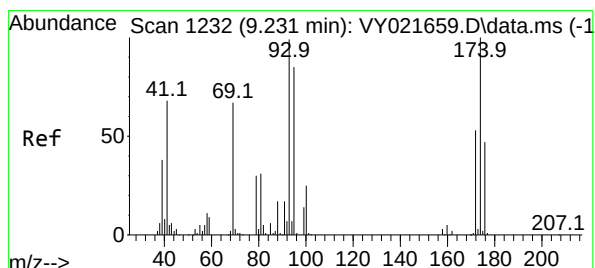
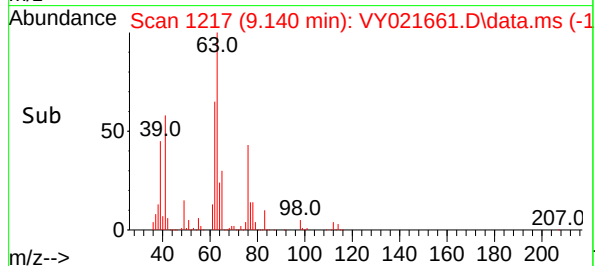
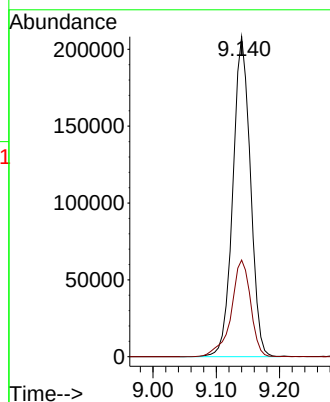
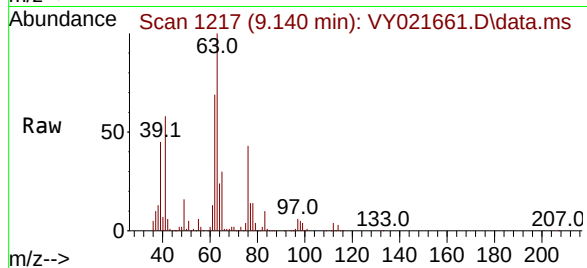
65 30.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 137.167 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

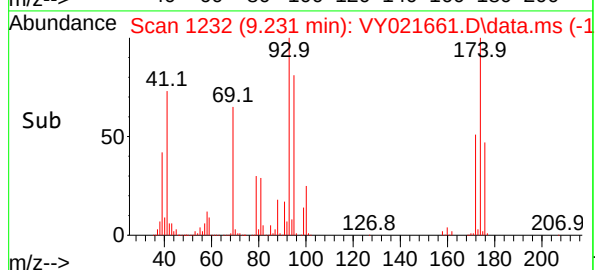
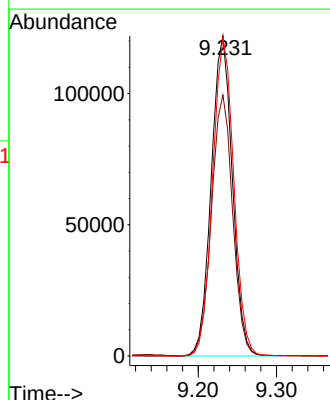
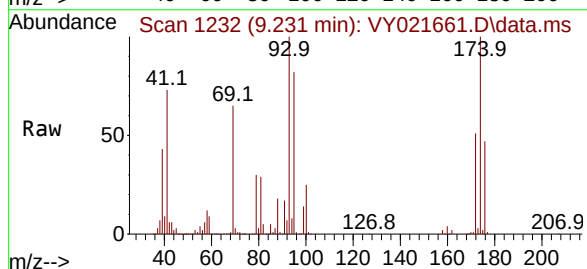
Tgt Ion: 93 Resp: 228287

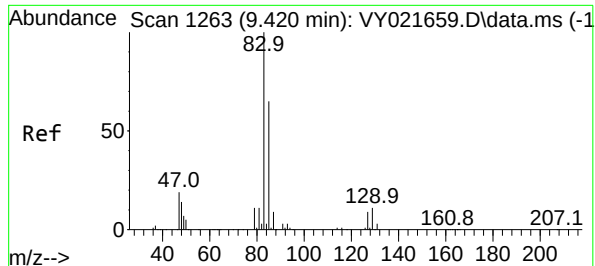
Ion Ratio Lower Upper

93 100

95 82.1 68.1 102.1

174 99.7 80.9 121.3





#47

Bromodichloromethane

Concen: 138.764 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

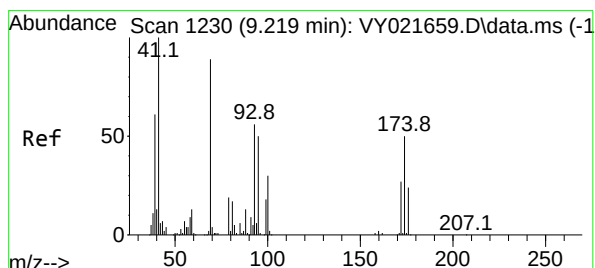
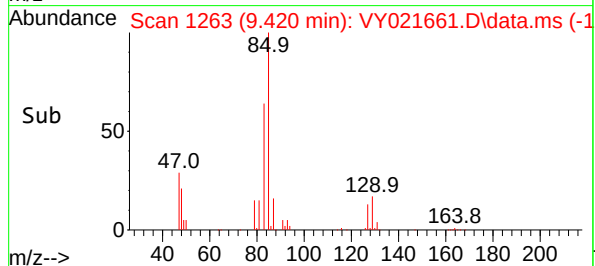
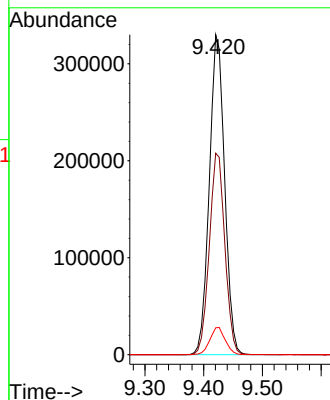
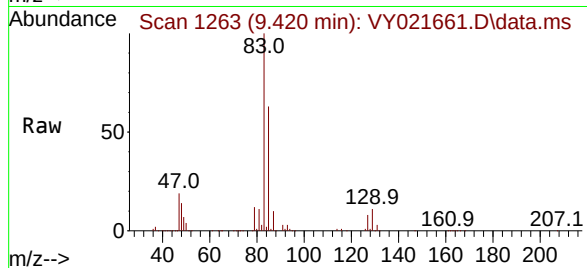
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	59842
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6
127	8.4	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 150.306 ug/l

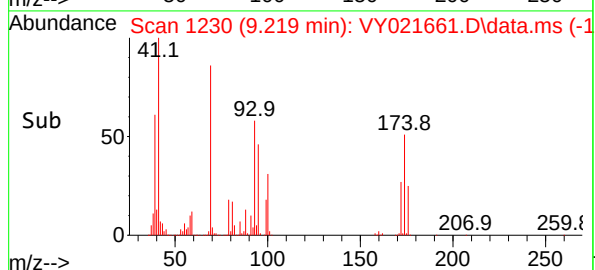
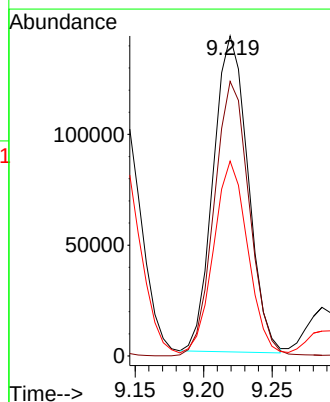
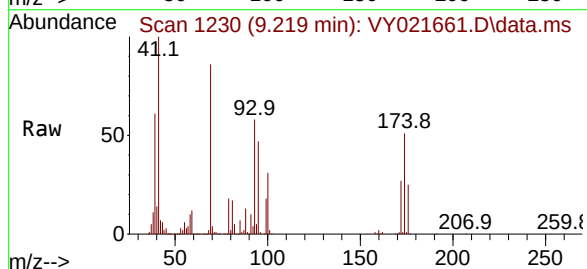
RT: 9.219 min Scan# 1230

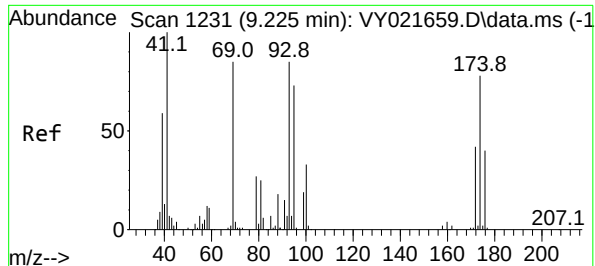
Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:	41	Resp:	251339
Ion	Ratio	Lower	Upper
41	100		
69	88.1	69.8	104.8
39	59.6	47.2	70.8





#49

1,4-Dioxane

Concen: 2991.658 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

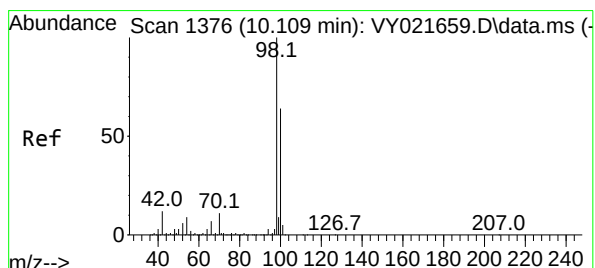
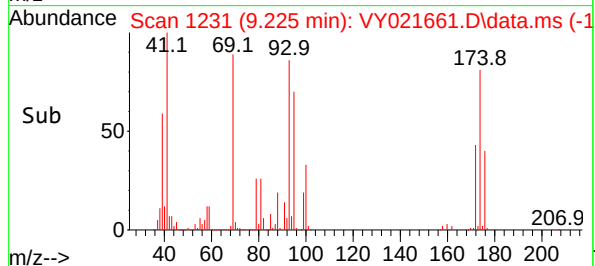
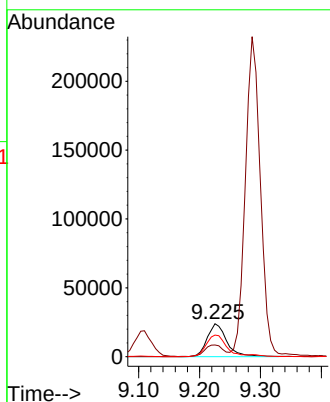
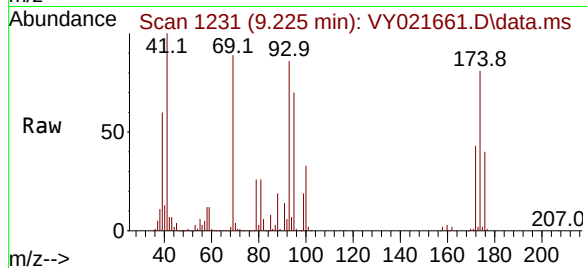
ClientSampleId :

VSTDICC150

Tgt Ion:	88	Resp:	53338
Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.8	43.2
58	67.8	59.4	89.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 146.020 ug/l

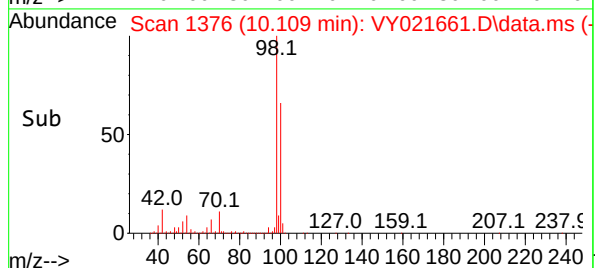
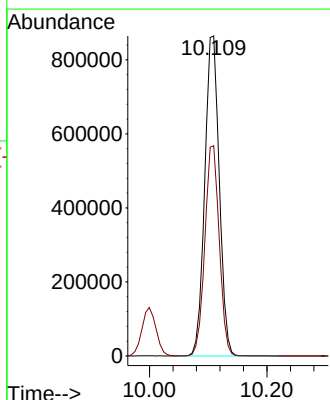
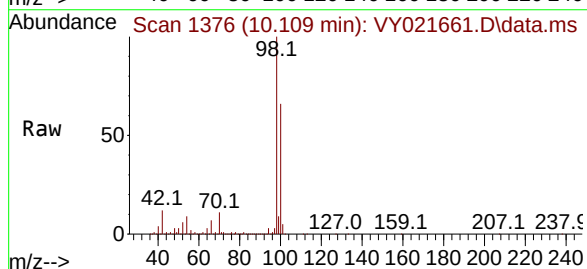
RT: 10.109 min Scan# 1376

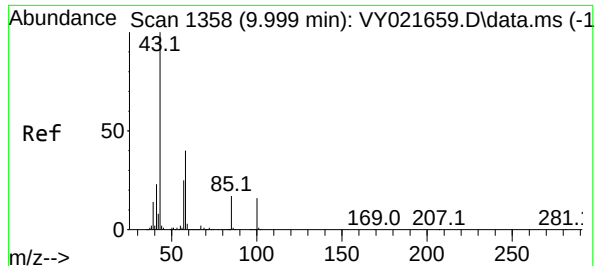
Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

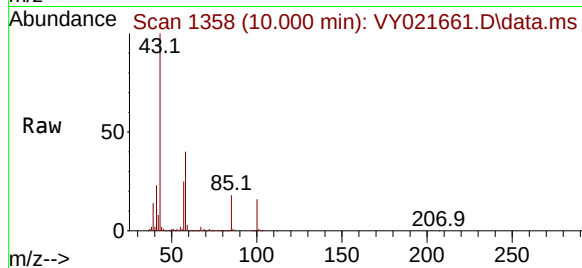
Tgt Ion:	98	Resp:	1485725
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 737.160 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

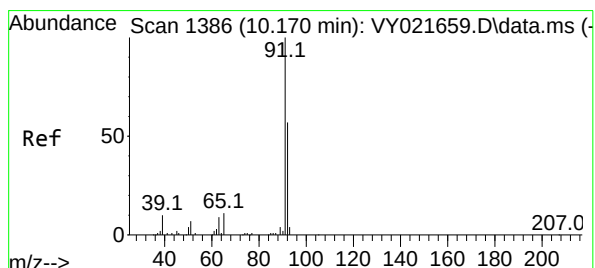
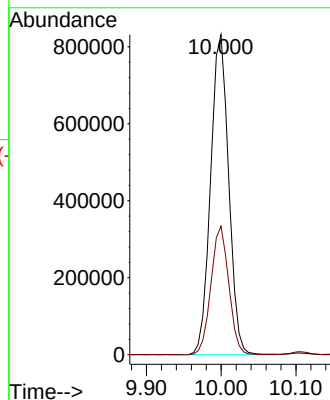
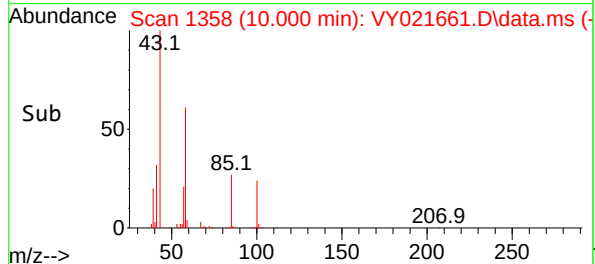
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



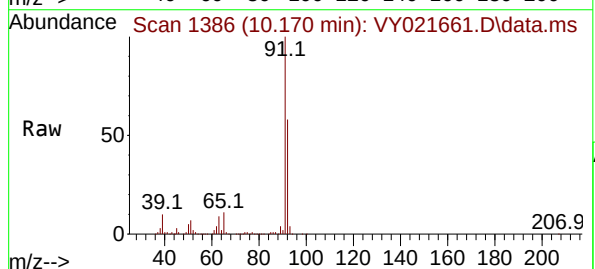
Tgt Ion: 43 Resp: 1397678
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

Manual Integrations
APPROVED

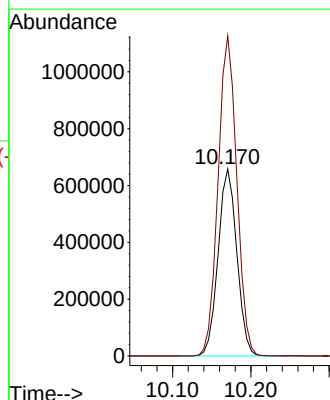
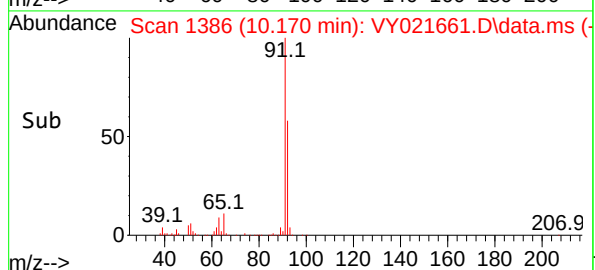
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

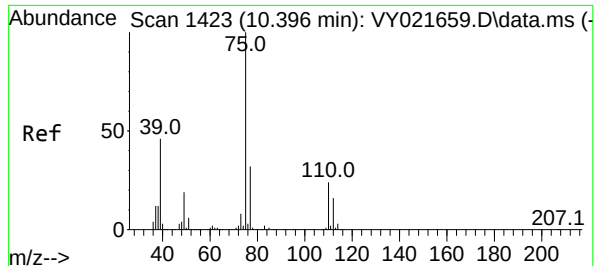


#52
Toluene
Concen: 143.758 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



Tgt Ion: 92 Resp: 1094229
Ion Ratio Lower Upper
92 100
91 171.6 138.6 207.8





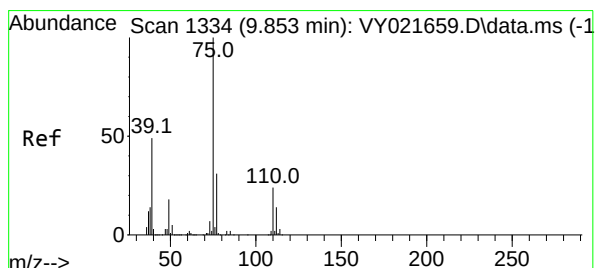
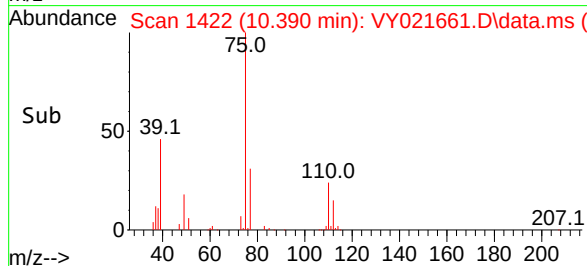
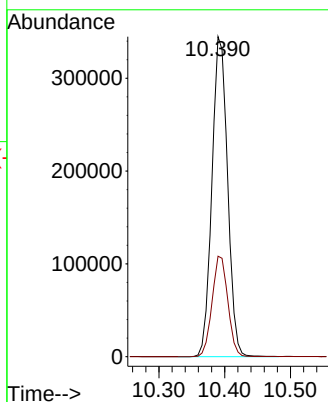
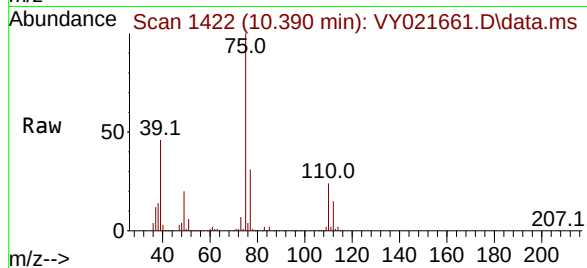
#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 570388
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

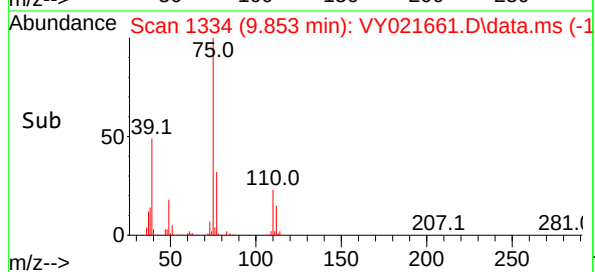
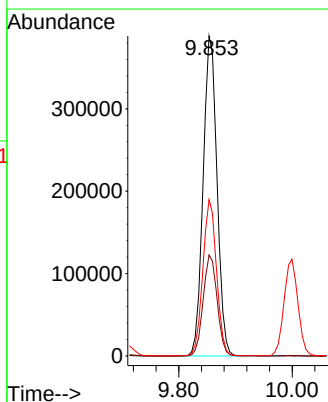
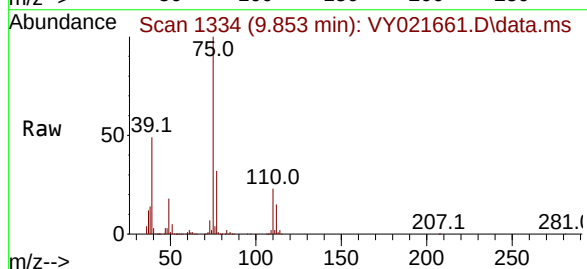
Manual Integrations
APPROVED

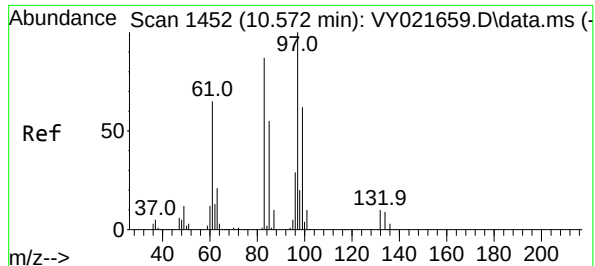
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 146.159 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

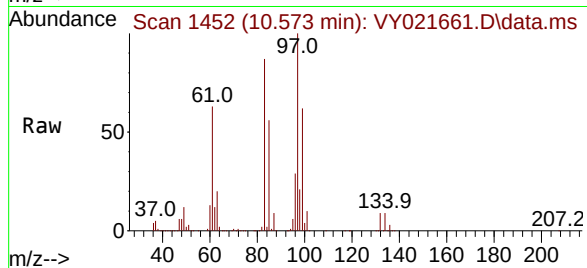
Tgt Ion: 75 Resp: 660476
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.8 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 138.396 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

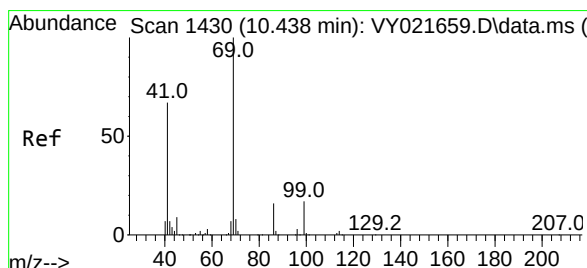
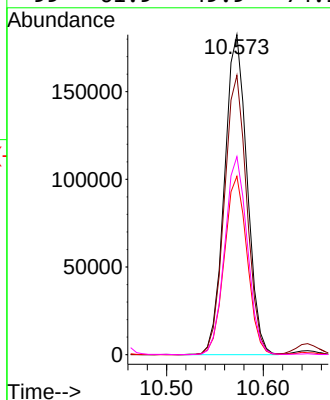
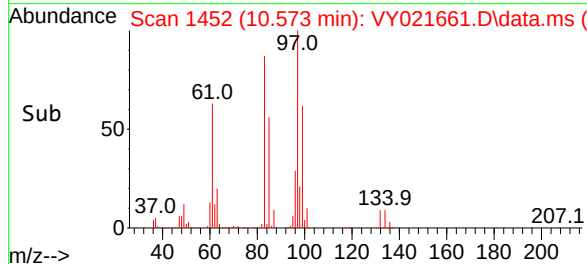
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



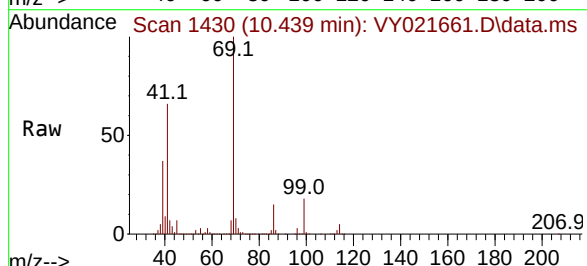
Tgt Ion: 97 Resp: 296412
Ion Ratio Lower Upper
97 100
83 87.3 69.5 104.3
85 55.8 43.9 65.9
99 61.9 49.9 74.9

Manual Integrations
APPROVED

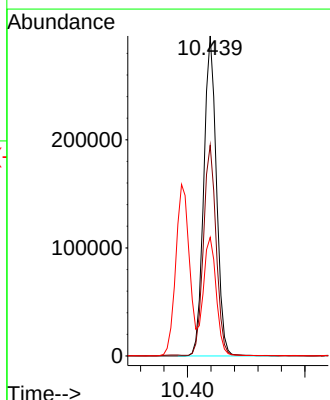
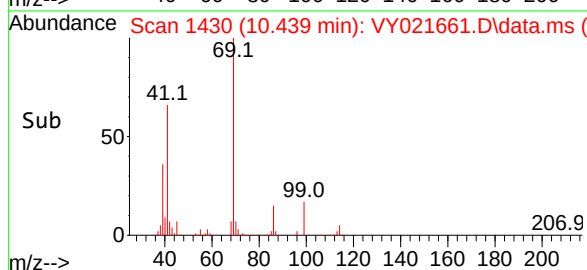
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

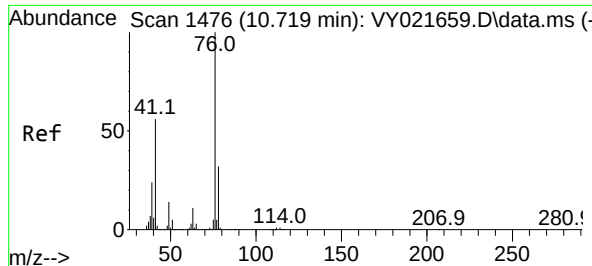


#56
Ethyl methacrylate
Concen: 162.176 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



Tgt Ion: 69 Resp: 443517
Ion Ratio Lower Upper
69 100
41 66.0 53.8 80.6
39 37.9 29.6 44.4





#57

1,3-Dichloropropane

Concen: 139.961 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 517700

Ion Ratio Lower Upper

76 100

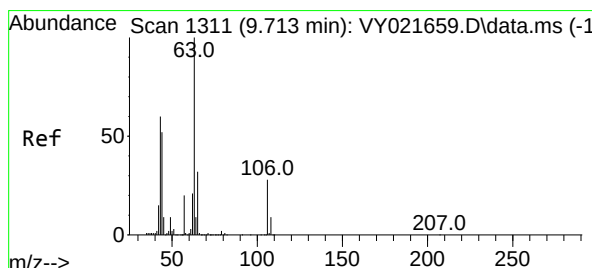
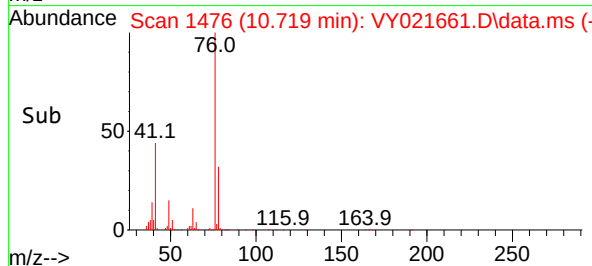
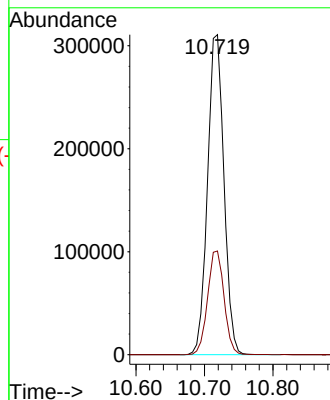
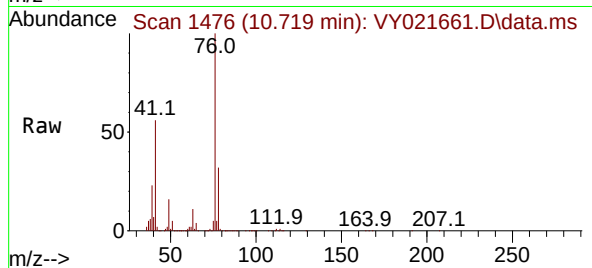
78 32.6 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 795.867 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY021661.D

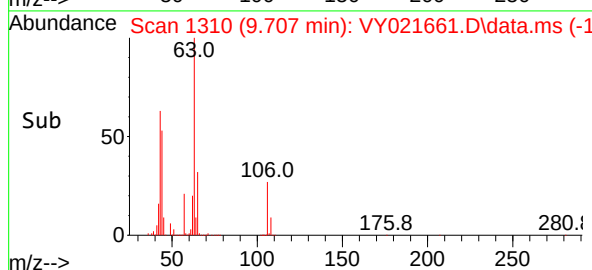
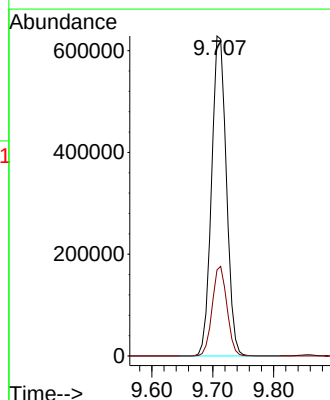
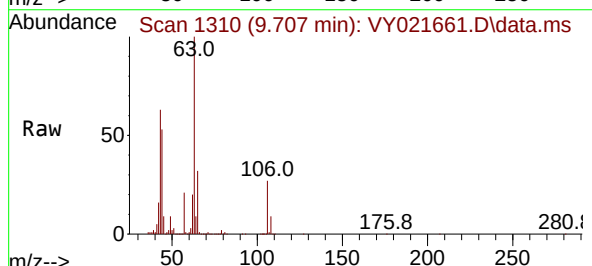
Acq: 27 Mar 2025 12:02

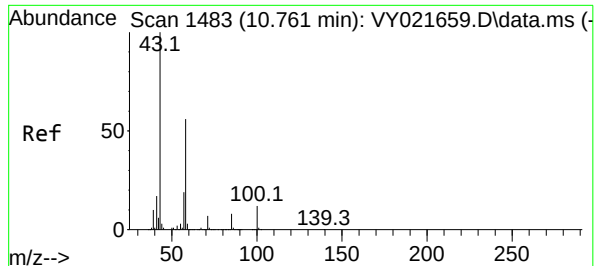
Tgt Ion: 63 Resp: 1061779

Ion Ratio Lower Upper

63 100

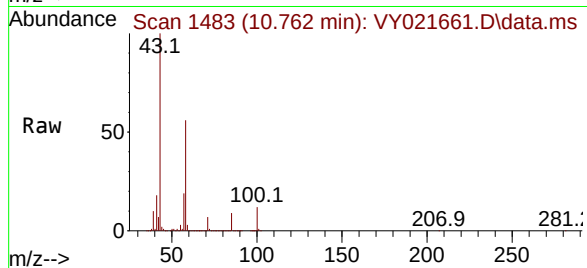
106 27.8 22.4 33.6





#59
2-Hexanone
Concen: 756.341 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

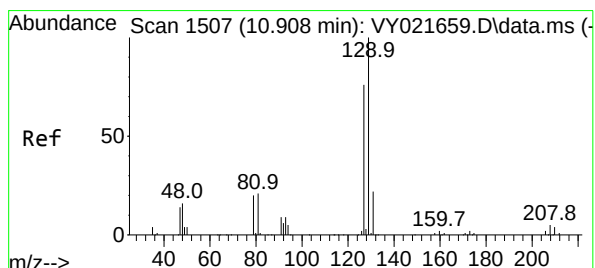
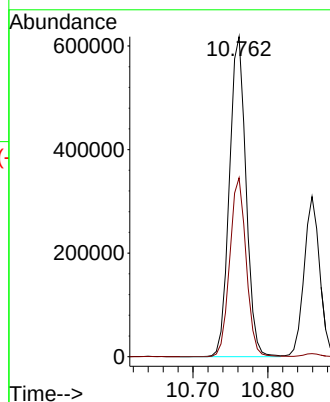
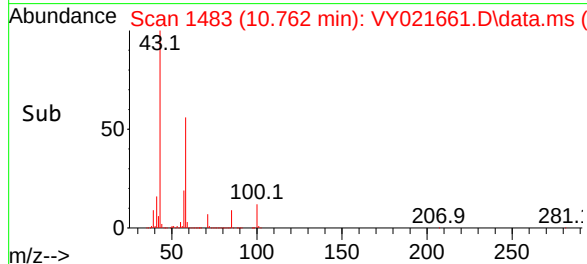
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 95505
Ion Ratio Lower Upper
43 100
58 55.4 27.2 81.5

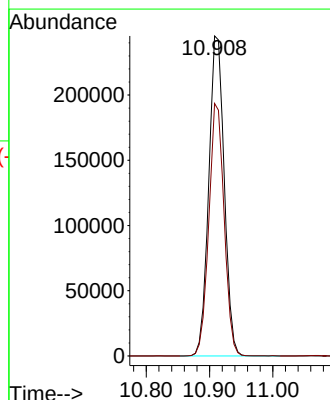
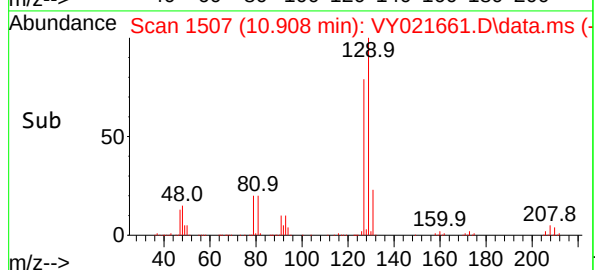
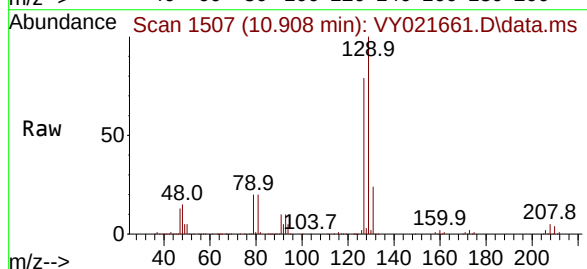
Manual Integrations
APPROVED

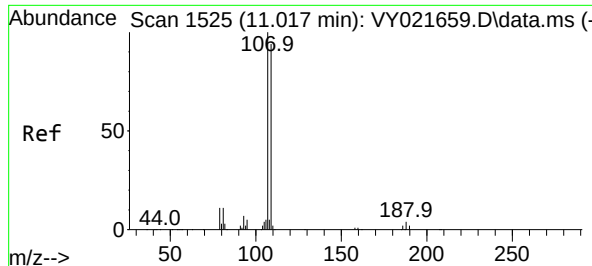
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#60
Dibromochloromethane
Concen: 142.682 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

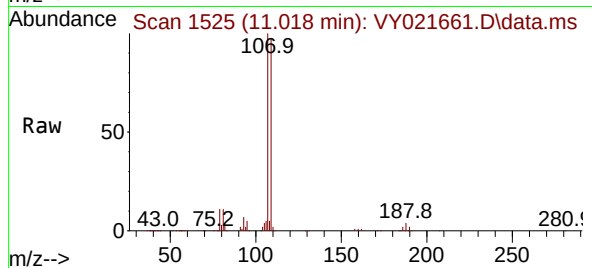
Tgt Ion:129 Resp: 417230
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 141.082 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

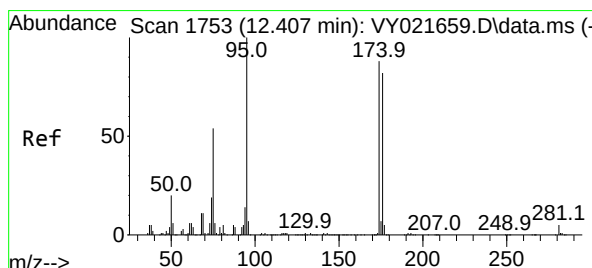
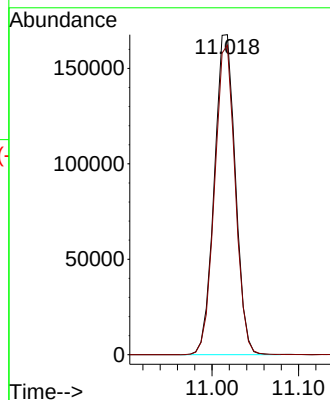
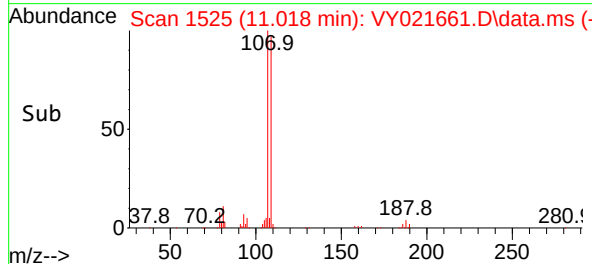
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 28345
Ion Ratio Lower Upper
107 100
109 94.7 74.4 111.6

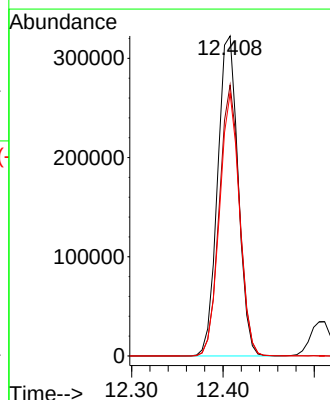
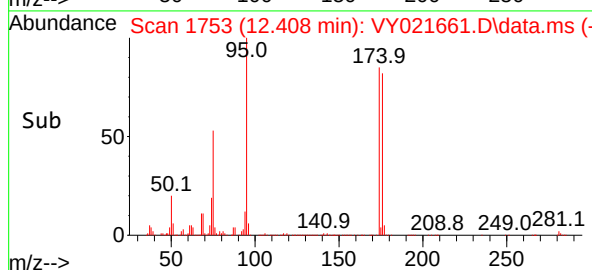
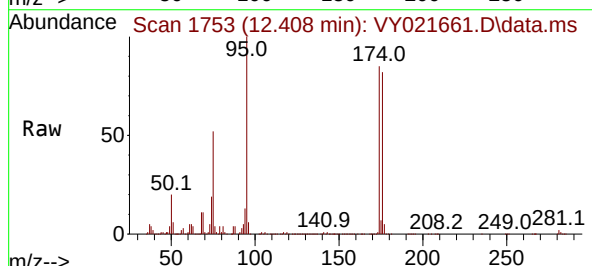
Manual Integrations
APPROVED

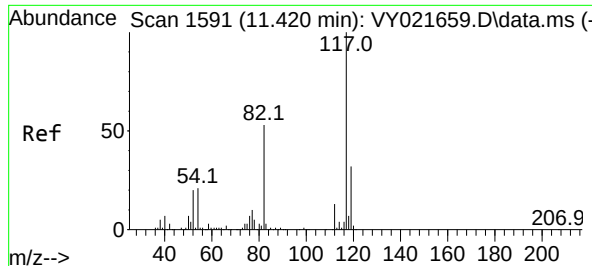
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 95 Resp: 503406
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.8
176 80.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 36728

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

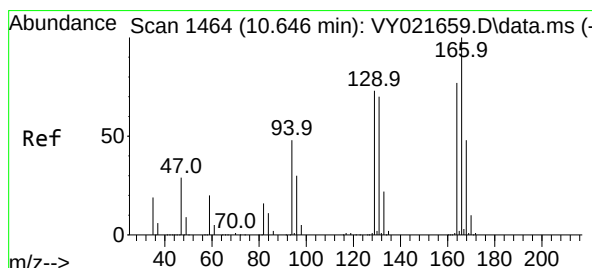
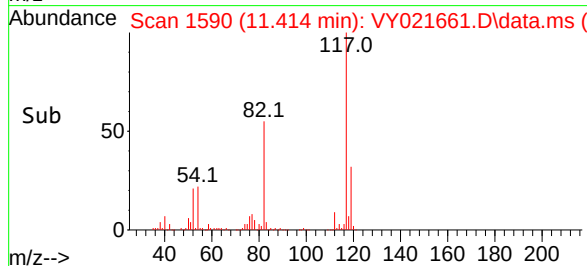
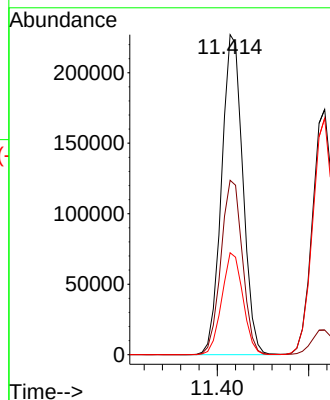
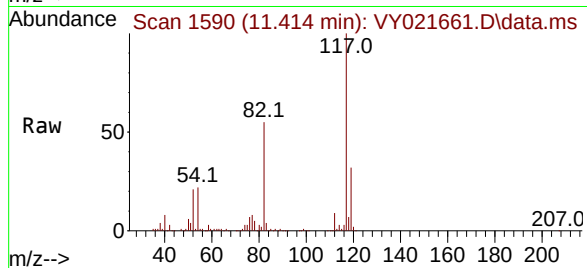
119 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#64

Tetrachloroethene

Concen: 125.966 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:164 Resp: 421368

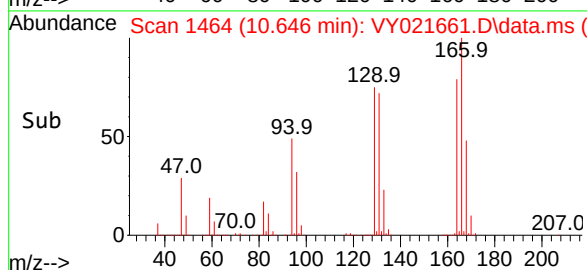
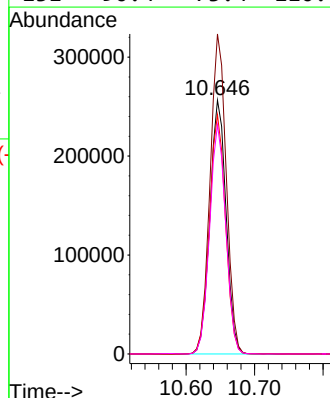
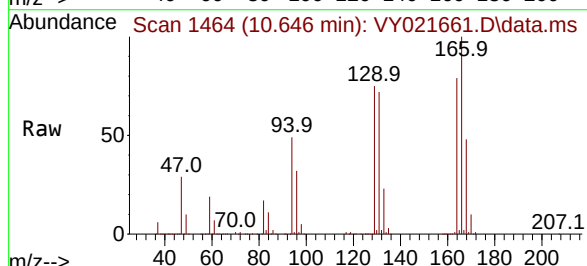
Ion Ratio Lower Upper

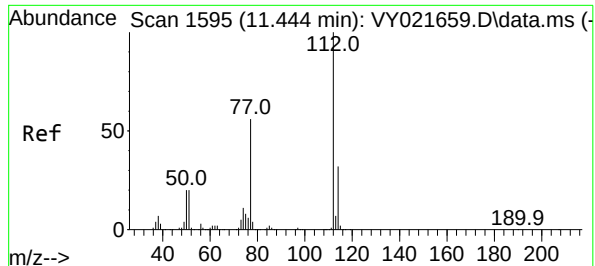
164 100

166 126.1 104.6 156.8

129 94.3 76.6 114.8

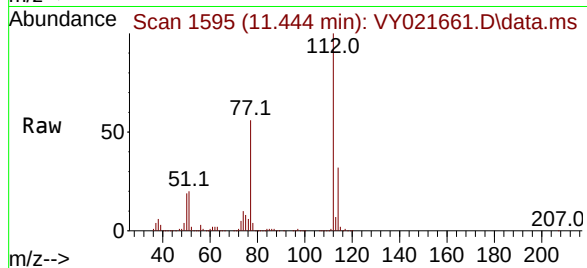
131 90.4 73.4 110.0





#65
Chlorobenzene
Concen: 140.483 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

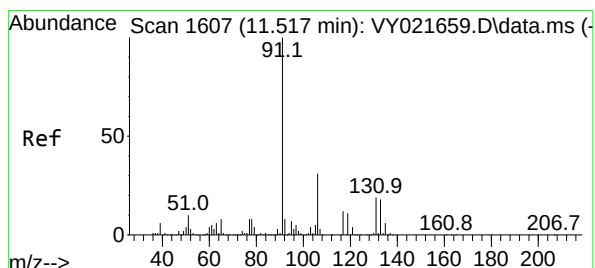
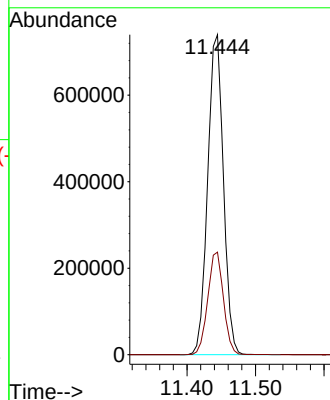
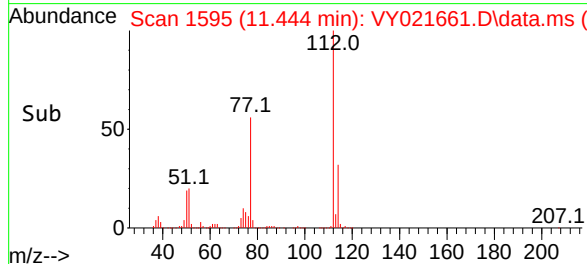
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



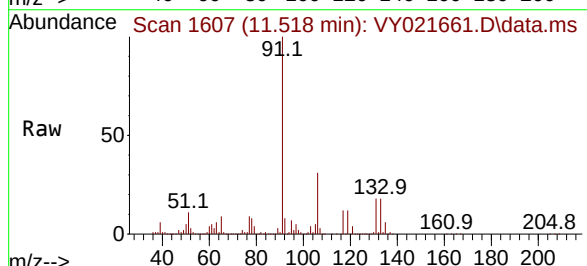
Tgt Ion:112 Resp: 1182770
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

Manual Integrations
APPROVED

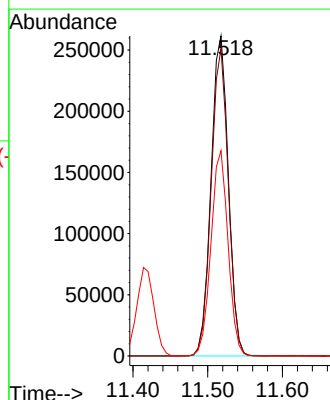
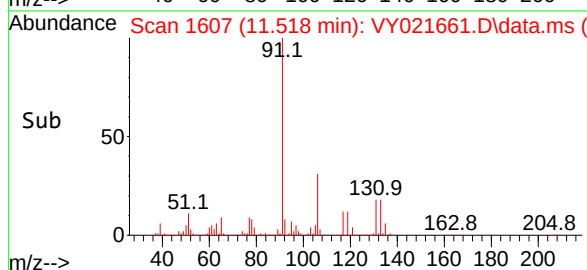
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

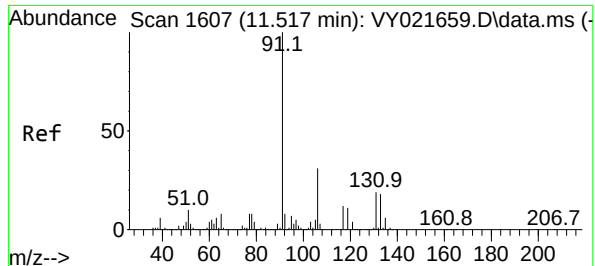


#66
1,1,1,2-Tetrachloroethane
Concen: 140.910 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



Tgt Ion:131 Resp: 420924
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 63.4 31.6 95.0





#67

Ethyl Benzene

Concen: 147.665 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2131884

Ion Ratio Lower Upper

91 100

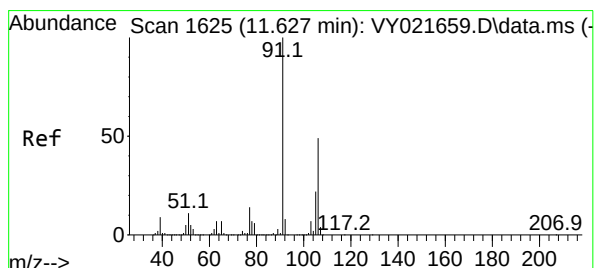
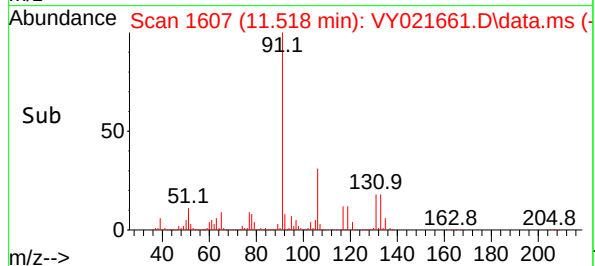
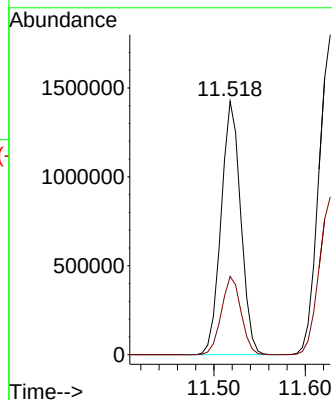
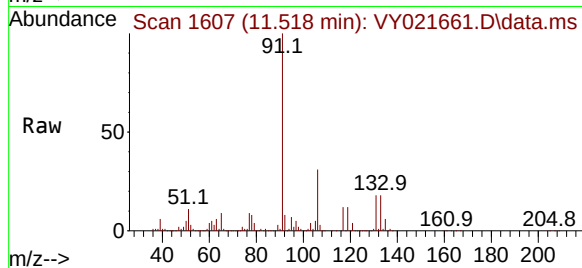
106 30.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 291.277 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021661.D

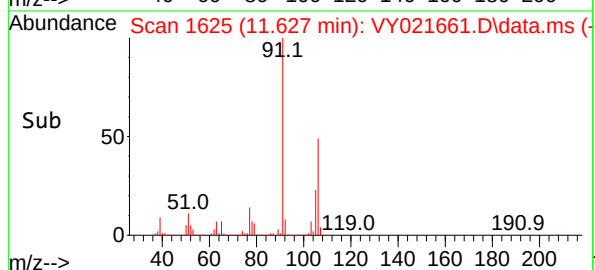
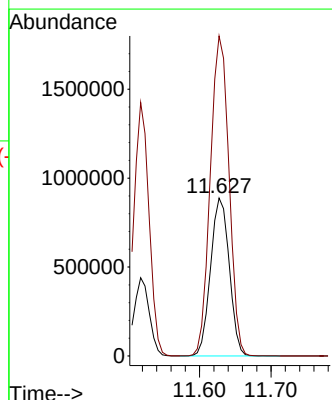
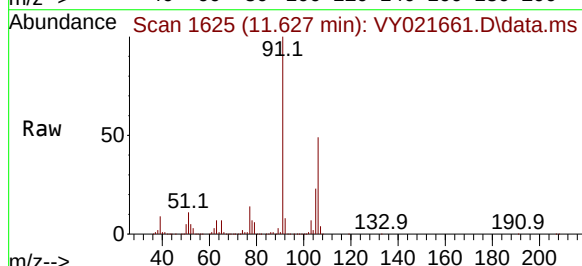
Acq: 27 Mar 2025 12:02

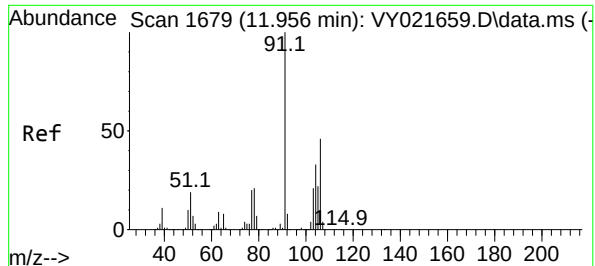
Tgt Ion:106 Resp: 1610305

Ion Ratio Lower Upper

106 100

91 203.1 162.4 243.6





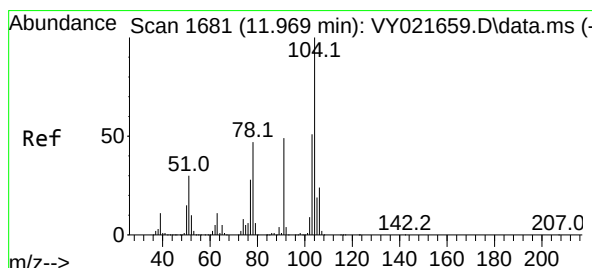
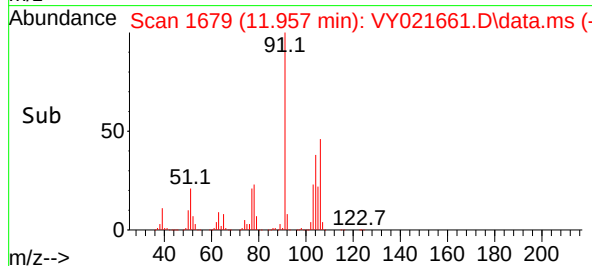
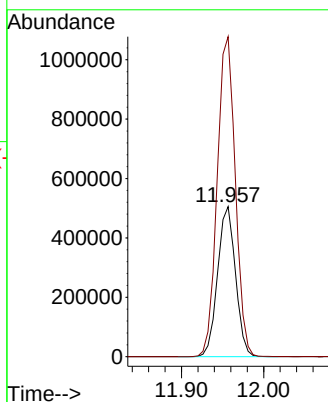
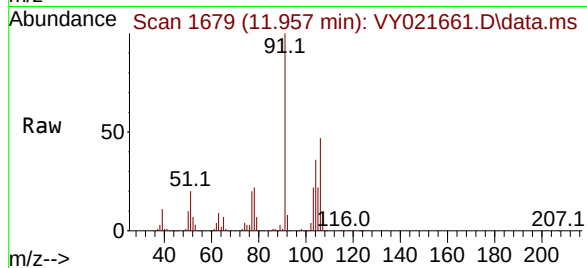
#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 76472
Ion Ratio Lower Upper
106 100
91 216.0 106.7 319.9

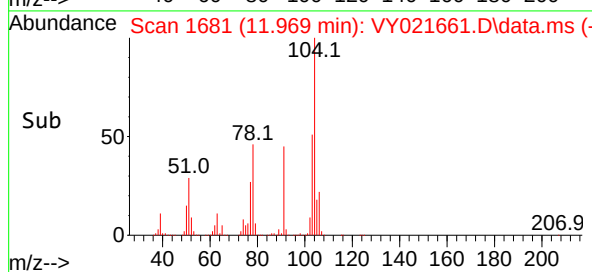
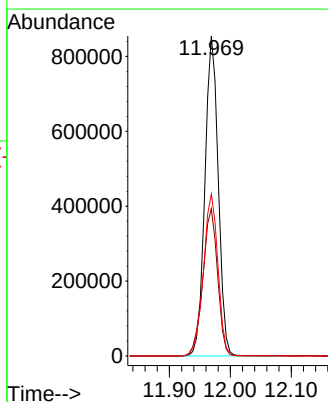
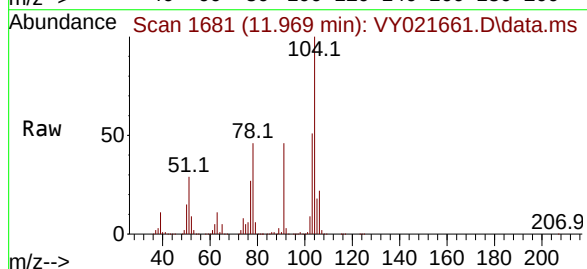
Manual Integrations
APPROVED

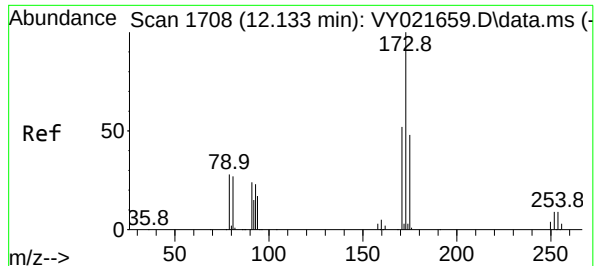
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 152.877 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

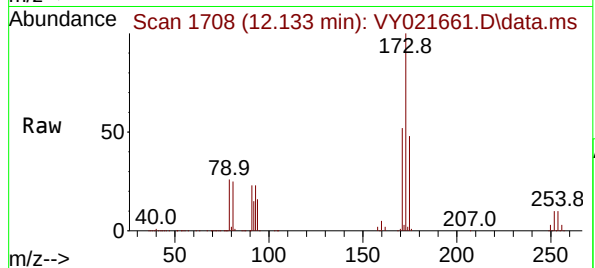
Tgt Ion:104 Resp: 1300778
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 54.8 44.2 66.2





#71
Bromoform
Concen: 143.224 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

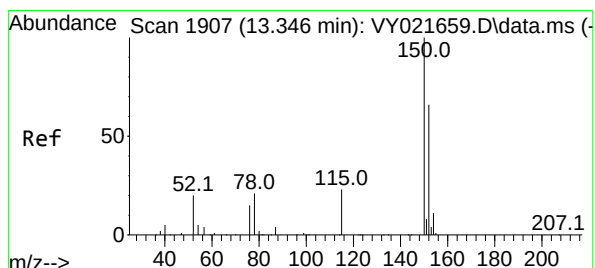
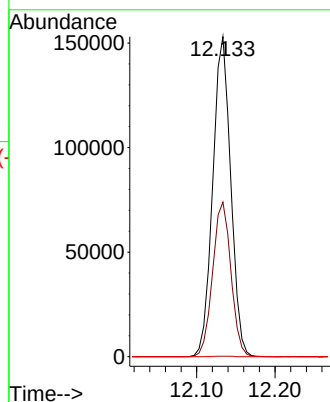
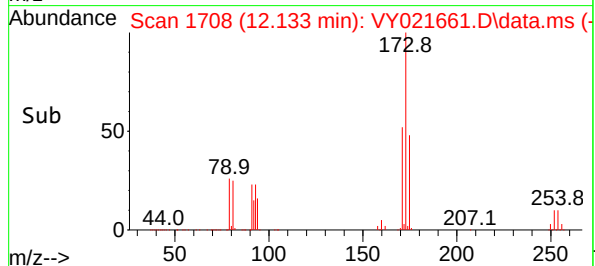
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



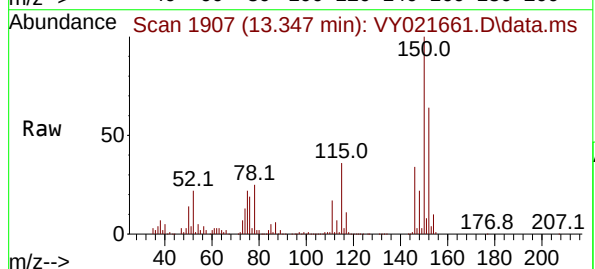
Tgt Ion:173 Resp: 244045
Ion Ratio Lower Upper
173 100
175 49.1 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
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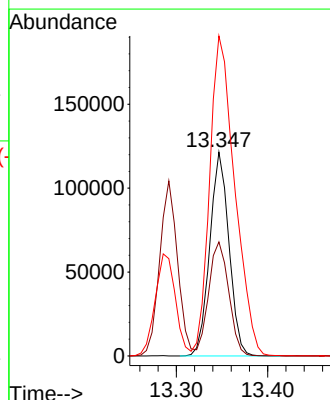
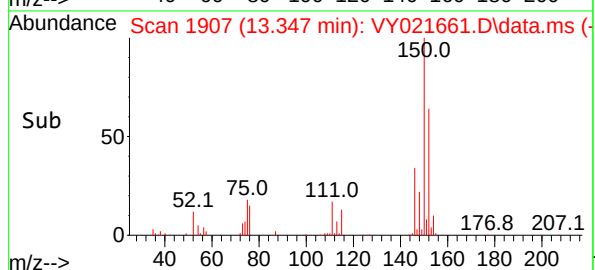
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

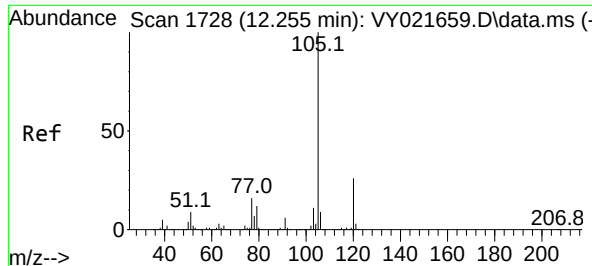


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



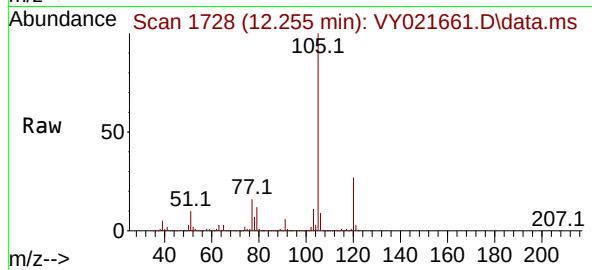
Tgt Ion:152 Resp: 177289
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 205.3 0.0 348.4





#73
Isopropylbenzene
Concen: 149.537 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

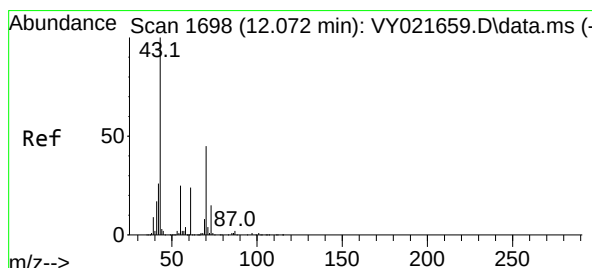
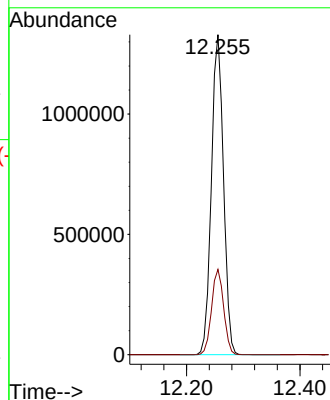
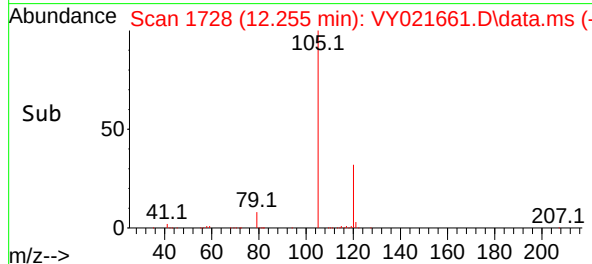
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 1969094
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

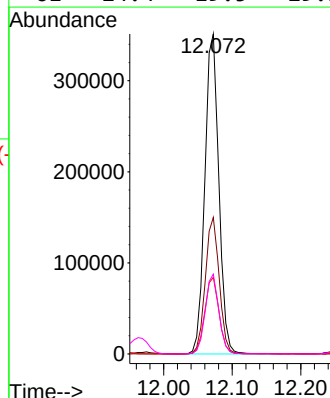
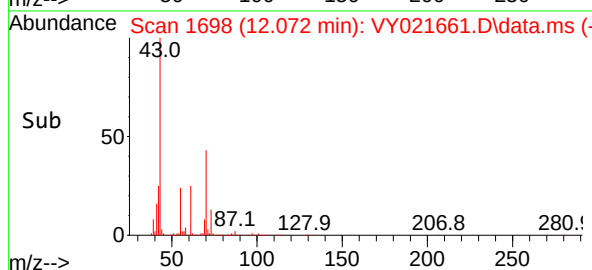
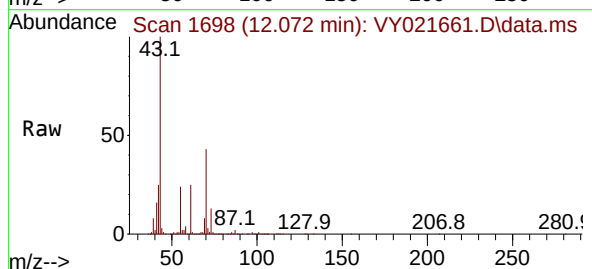
Manual Integrations
APPROVED

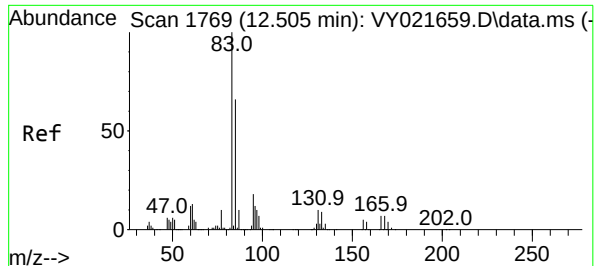
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 161.437 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 498903
Ion Ratio Lower Upper
43 100
70 42.6 34.7 52.1
55 24.5 21.2 31.8
61 24.4 19.5 29.3





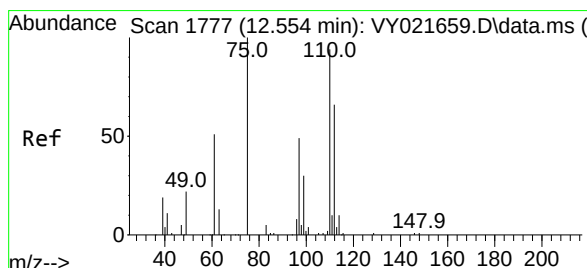
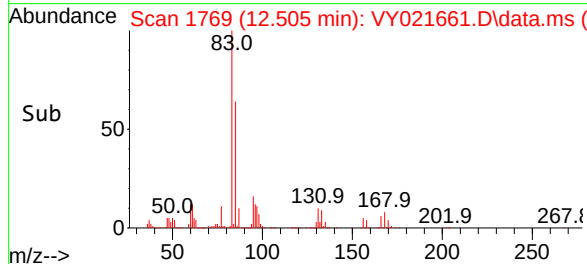
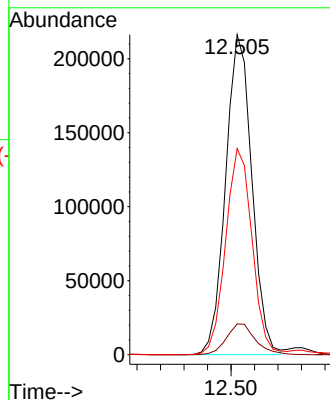
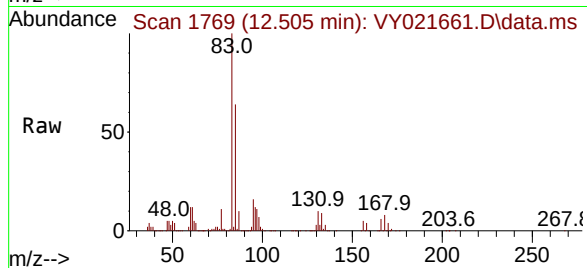
#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 33548
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 65.1 32.3 96.8

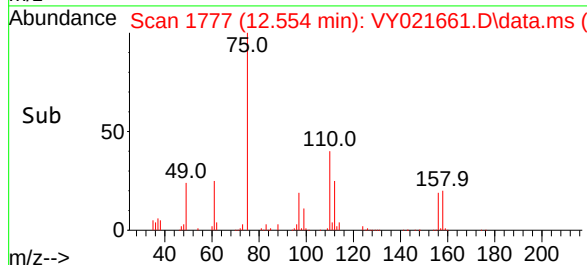
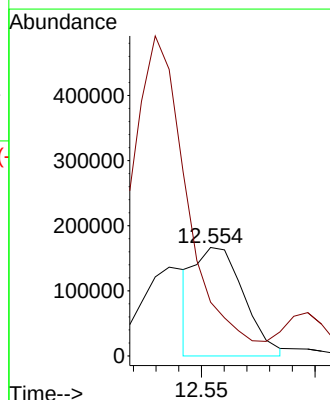
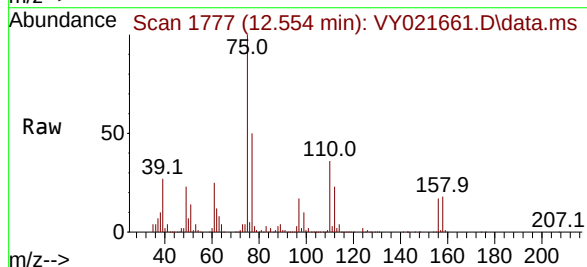
Manual Integrations
APPROVED

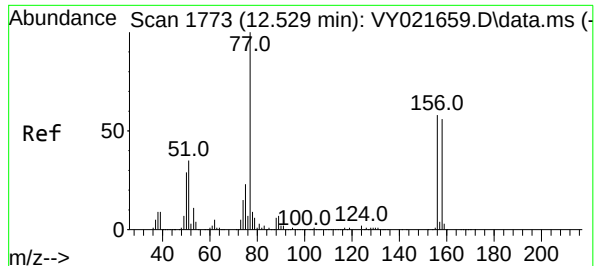
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 142.174 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 249855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





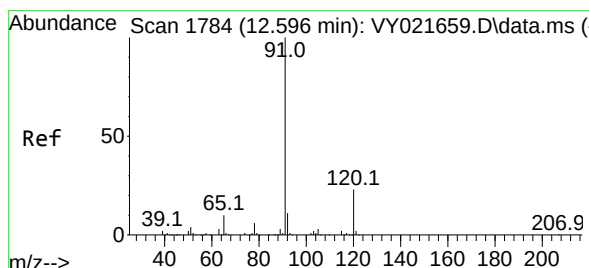
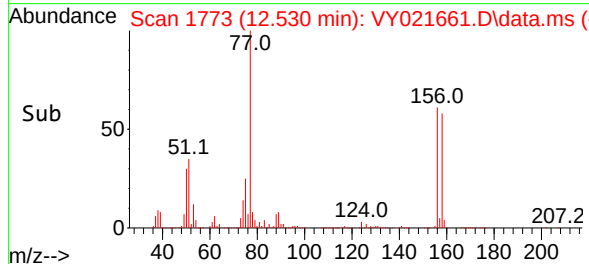
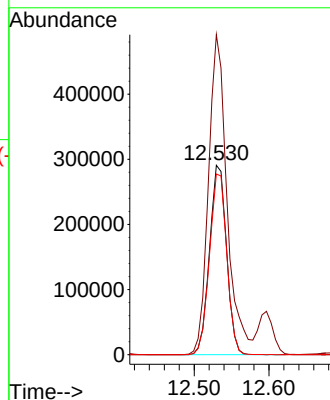
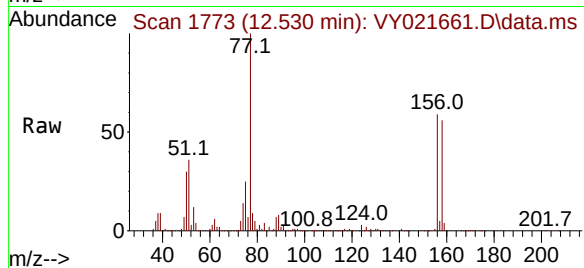
#77
Bromobenzene
Concen: 145.881 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 46122
Ion Ratio Lower Upper
156 100
77 184.1 92.8 278.3
158 96.6 48.5 145.6

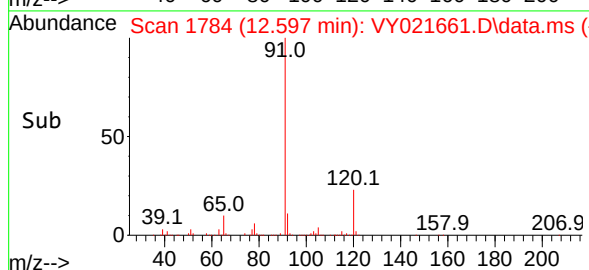
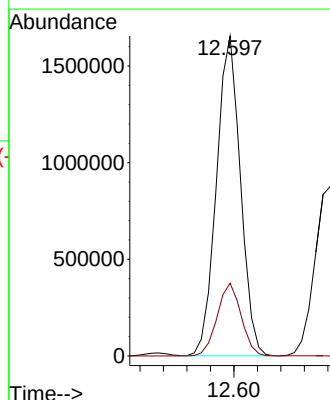
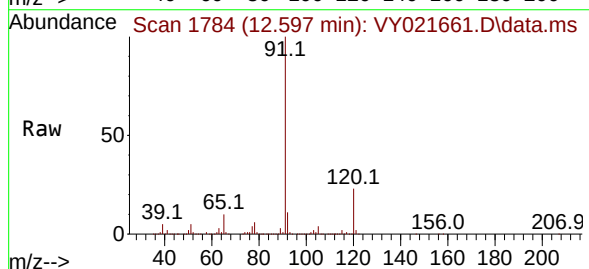
Manual Integrations
APPROVED

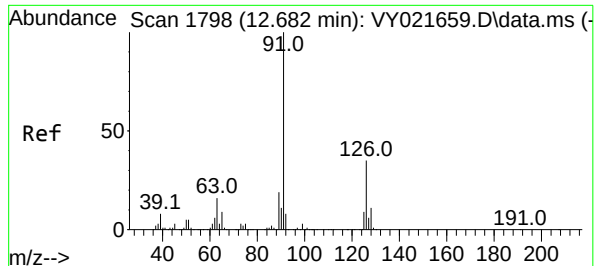
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 148.082 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 2344286
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 146.095 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1343328

Ion Ratio Lower Upper

91 100

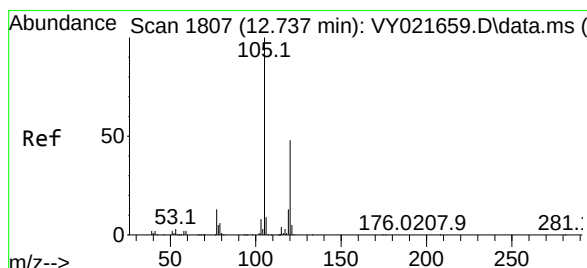
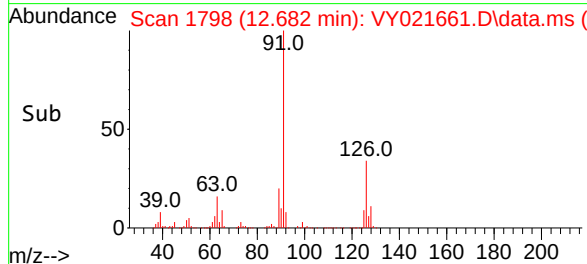
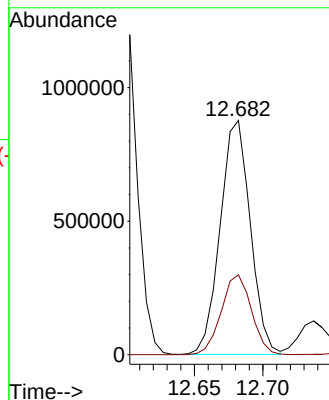
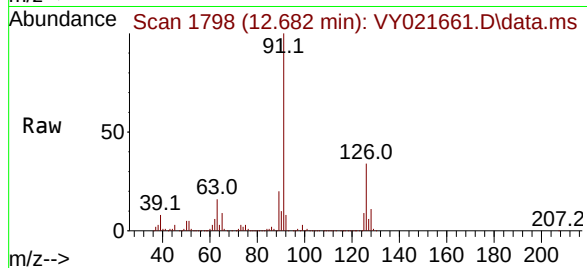
126 34.1 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 149.397 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021661.D

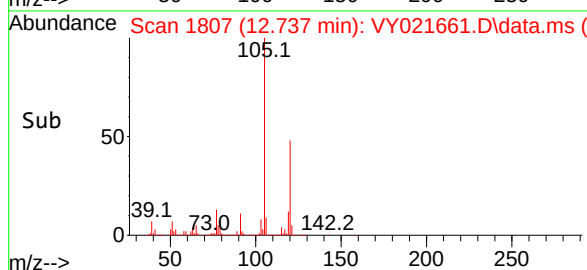
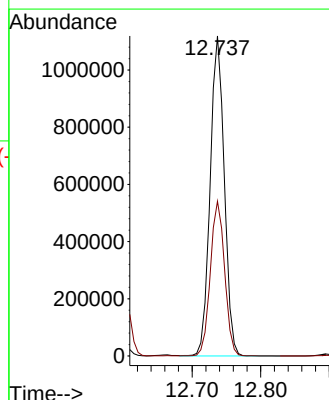
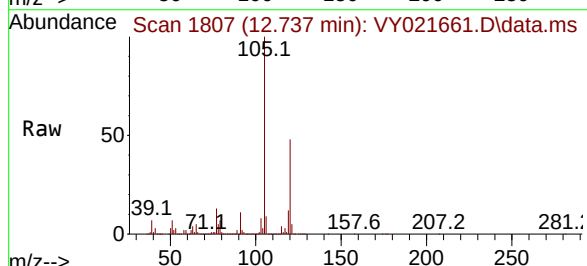
Acq: 27 Mar 2025 12:02

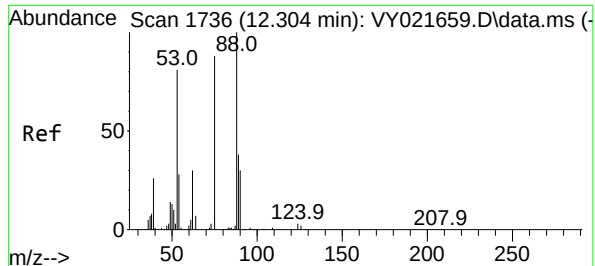
Tgt Ion:105 Resp: 1607812

Ion Ratio Lower Upper

105 100

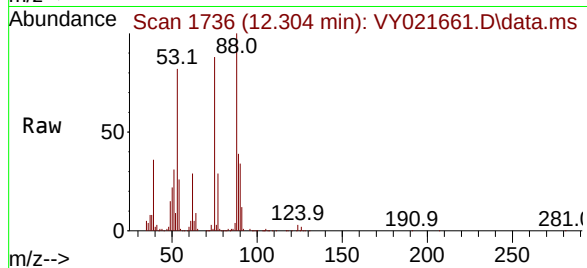
120 48.9 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 156.137 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

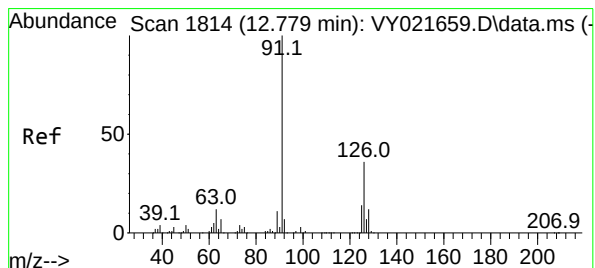
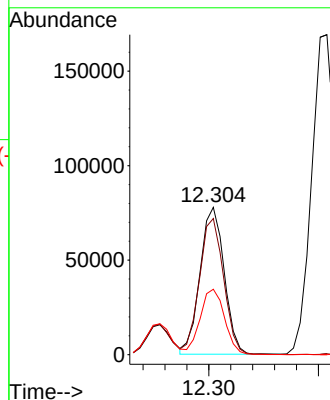
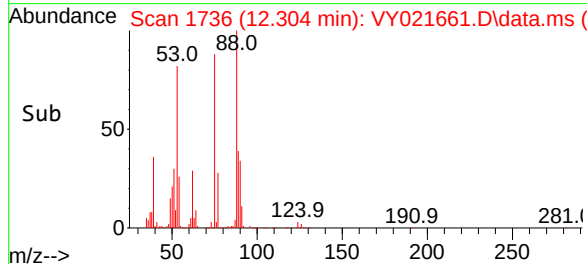
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 119080
Ion Ratio Lower Upper
75 100
53 93.4 76.1 114.1
89 44.8 36.2 54.4

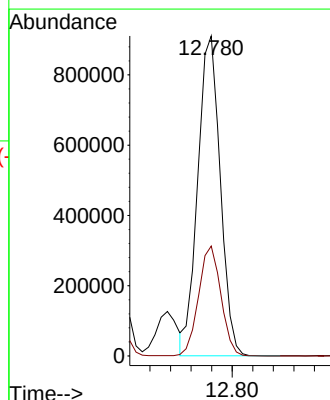
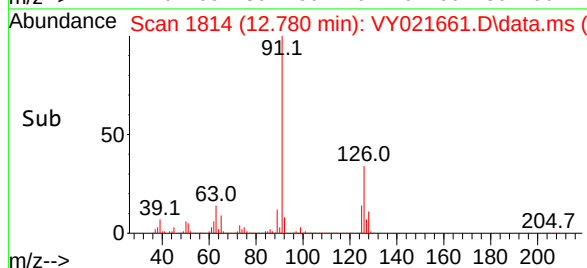
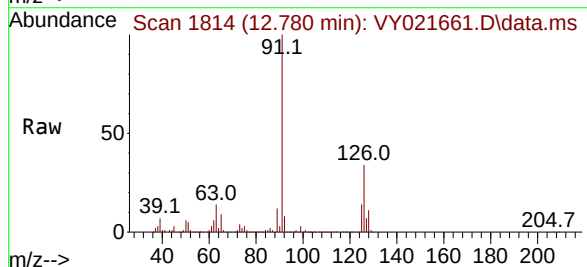
Manual Integrations
APPROVED

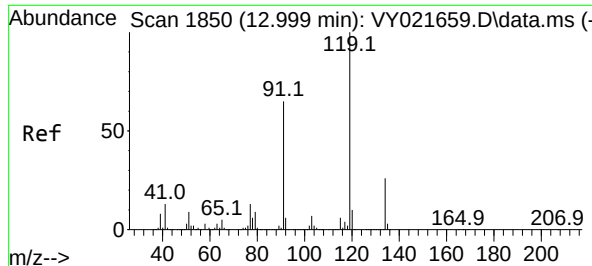
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 144.608 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 1386233
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83

tert-Butylbenzene

Concen: 150.647 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 144405

Ion Ratio Lower Upper

119 100

91 64.7 32.6 97.7

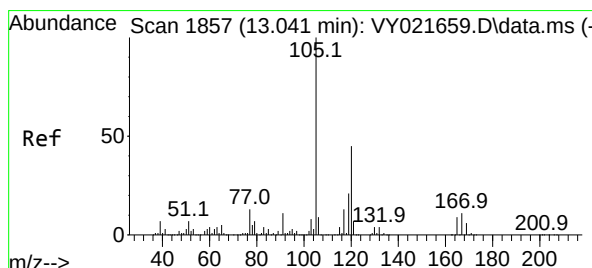
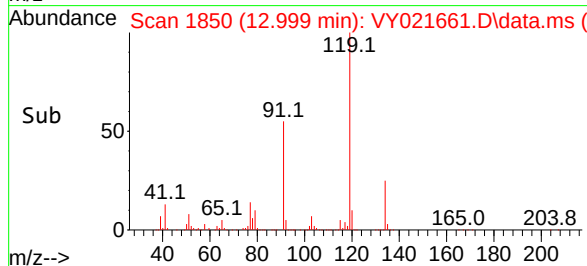
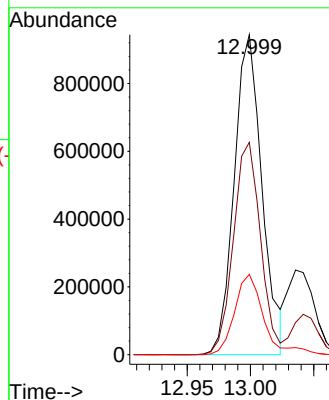
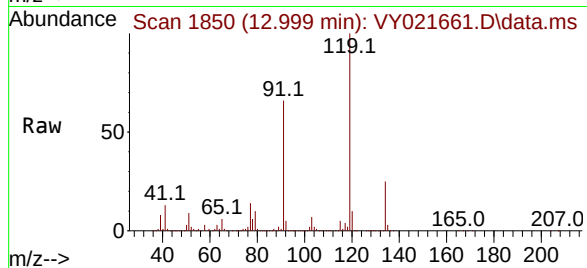
134 26.3 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 152.003 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021661.D

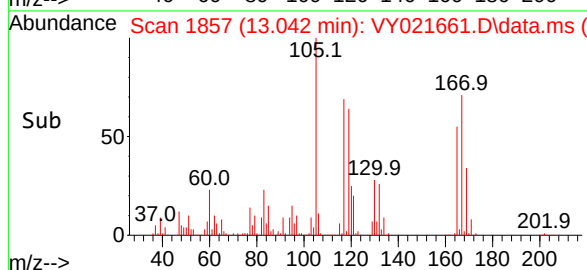
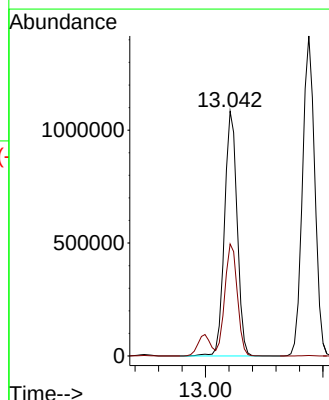
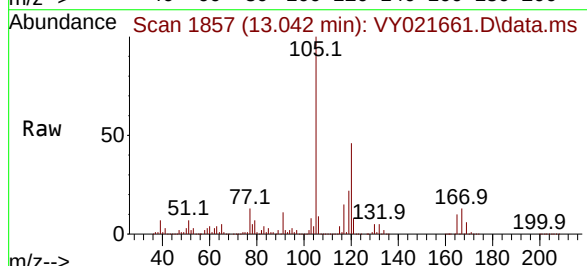
Acq: 27 Mar 2025 12:02

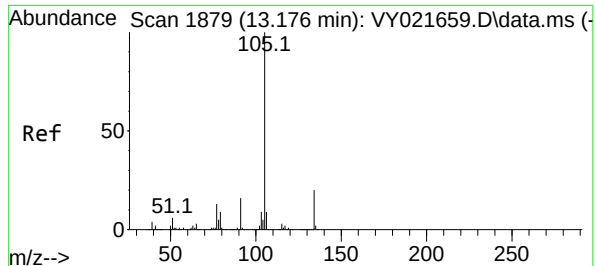
Tgt Ion:105 Resp: 1616812

Ion Ratio Lower Upper

105 100

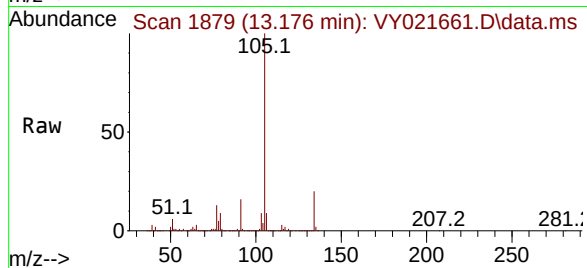
120 45.2 22.7 68.1





#85
sec-Butylbenzene
Concen: 146.493 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

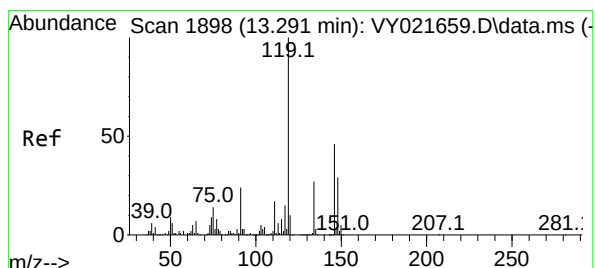
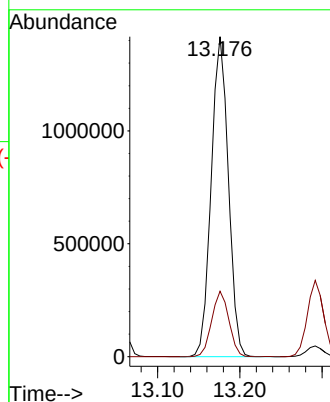
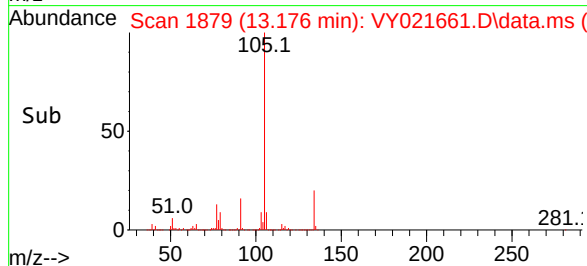
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



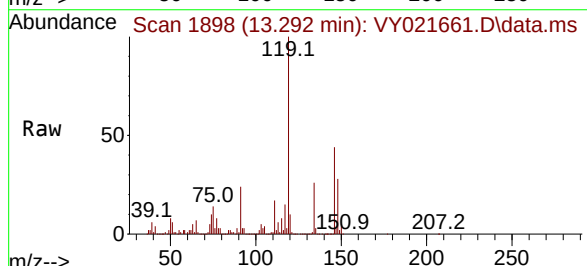
Tgt Ion:105 Resp: 205215
Ion Ratio Lower Upper
105 100
134 20.5 10.1 30.1

Manual Integrations
APPROVED

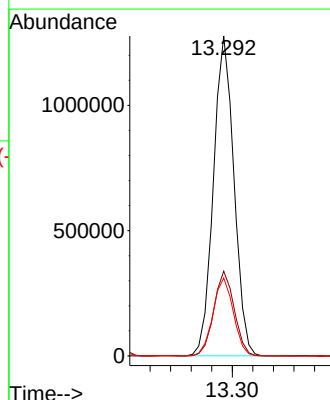
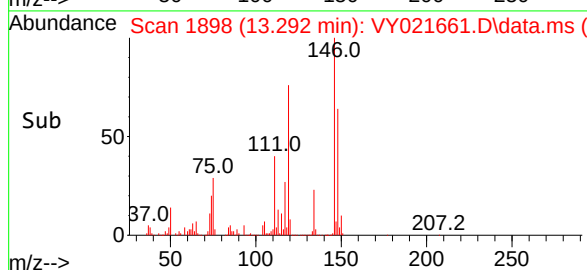
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

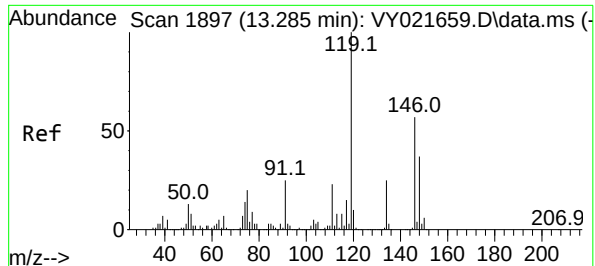


#86
p-Isopropyltoluene
Concen: 152.863 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



Tgt Ion:119 Resp: 1769866
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 144.177 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 898070

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

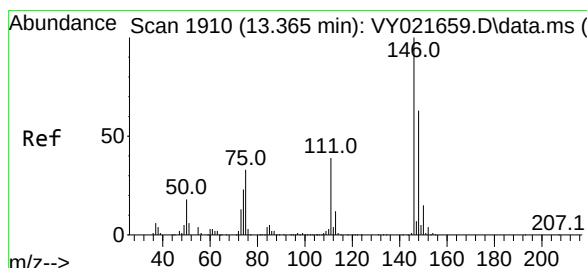
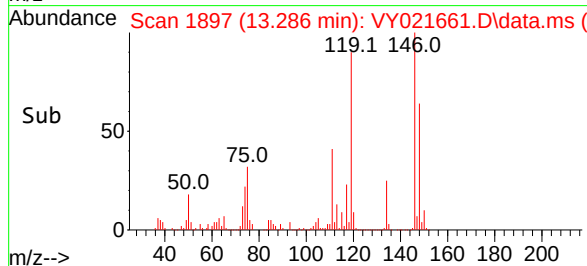
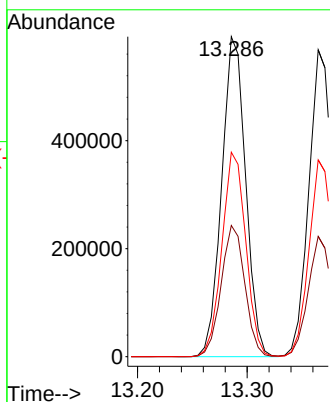
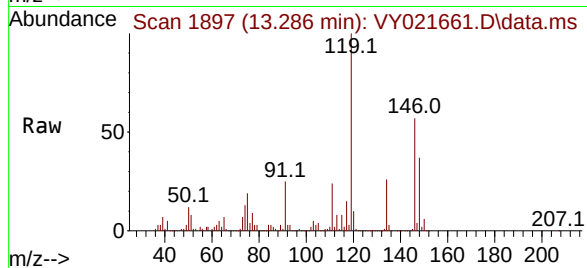
148 63.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 140.489 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

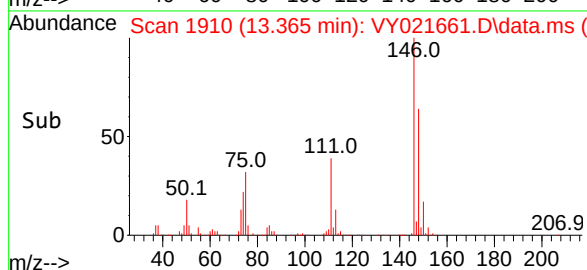
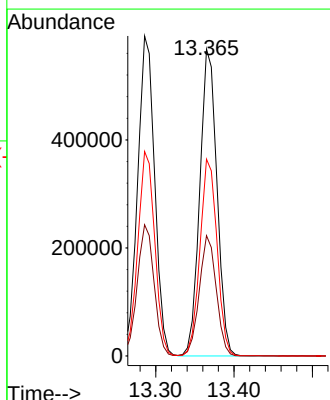
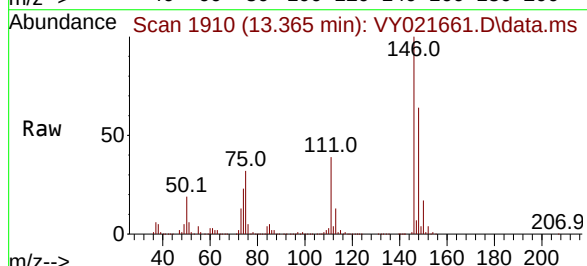
Tgt Ion:146 Resp: 864599

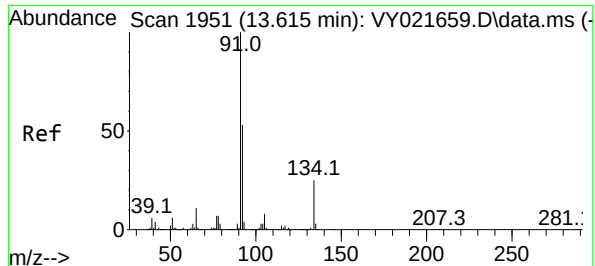
Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.1

148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 150.273 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1609064

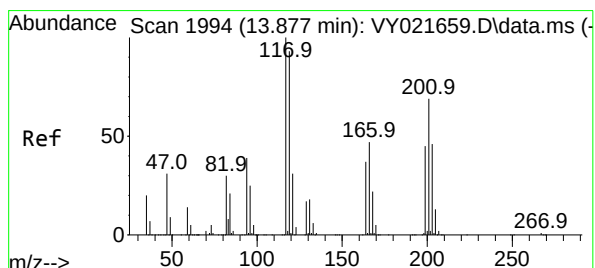
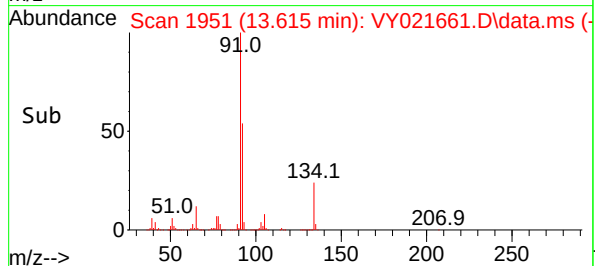
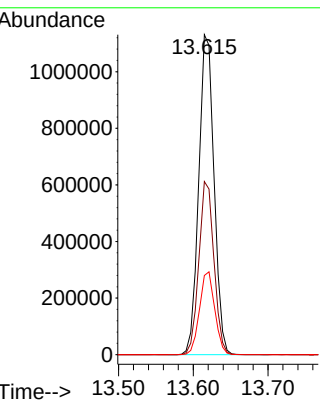
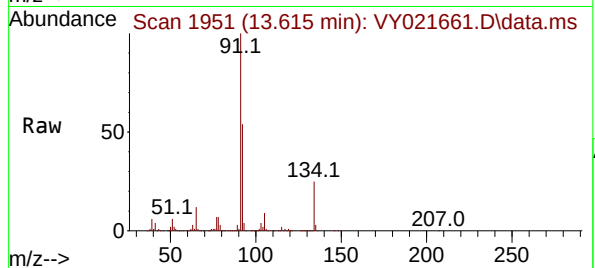
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	25.9	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 143.167 ug/l

RT: 13.883 min Scan# 1995

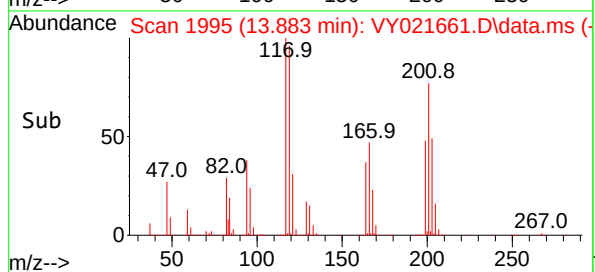
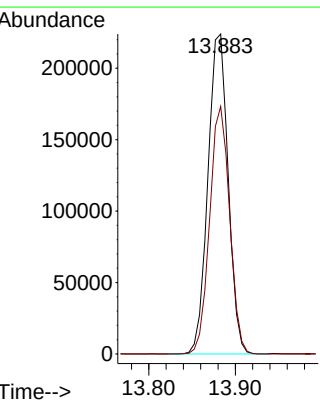
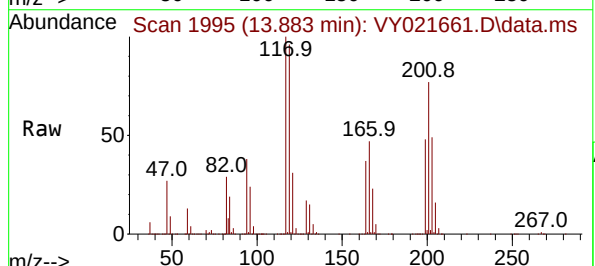
Delta R.T. 0.006 min

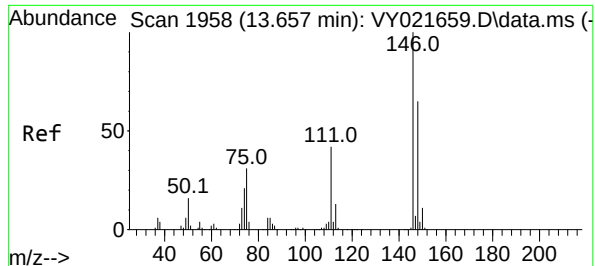
Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 363244

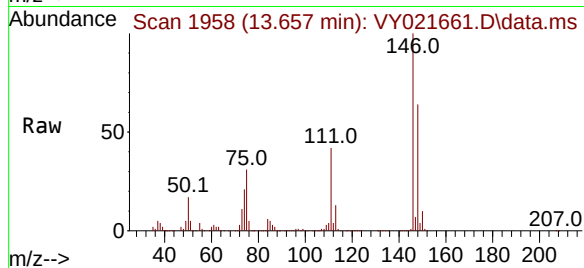
Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.4	112.1





#91
1,2-Dichlorobenzene
Concen: 143.668 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

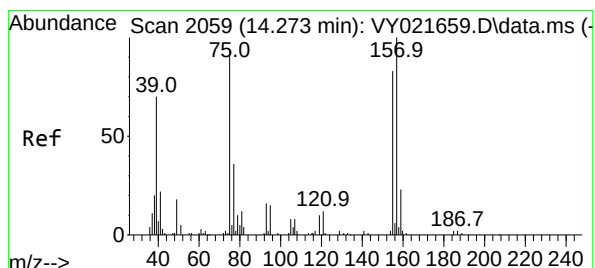
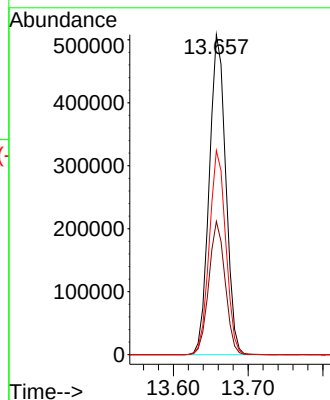
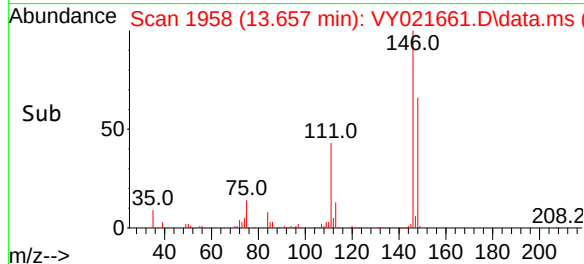
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:146 Resp: 77902
Ion Ratio Lower Upper
146 100
111 41.1 20.7 62.1
148 63.6 32.3 96.9

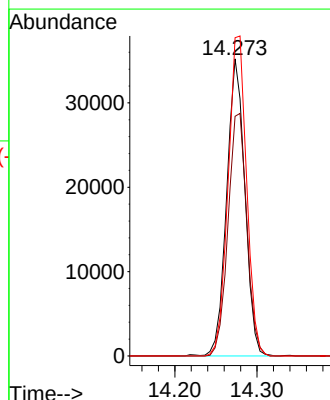
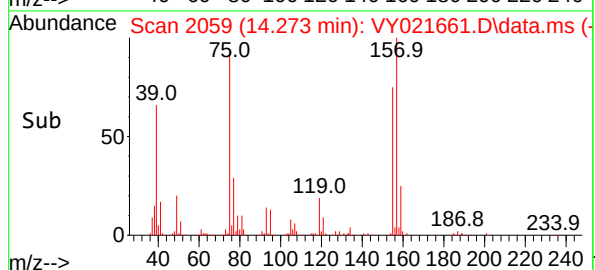
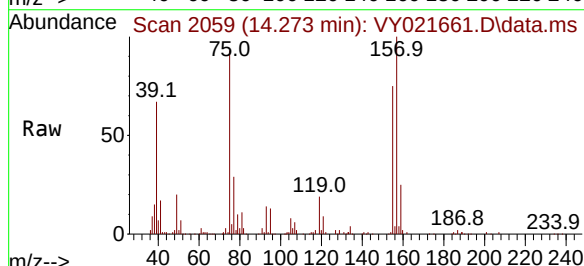
Manual Integrations
APPROVED

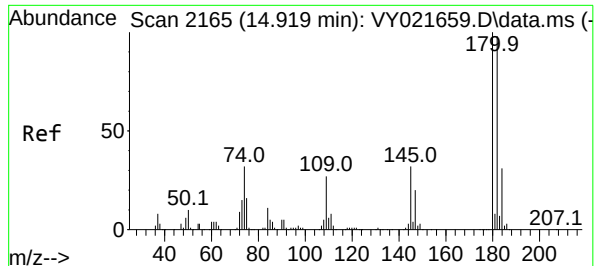
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 147.345 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 54066
Ion Ratio Lower Upper
75 100
155 84.5 43.0 128.8
157 109.7 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 160.803 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021661.D

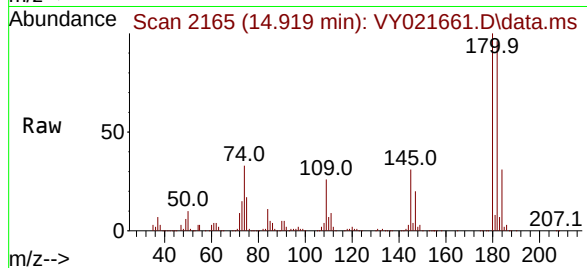
Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

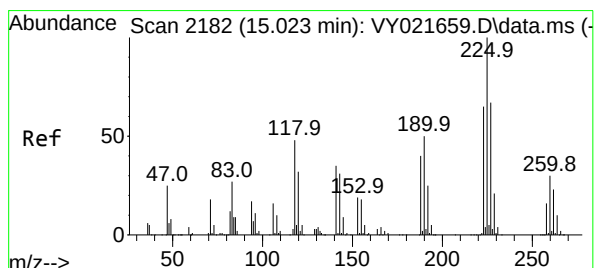
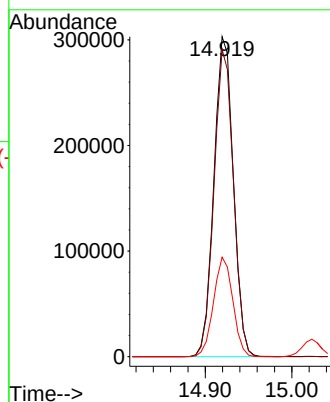
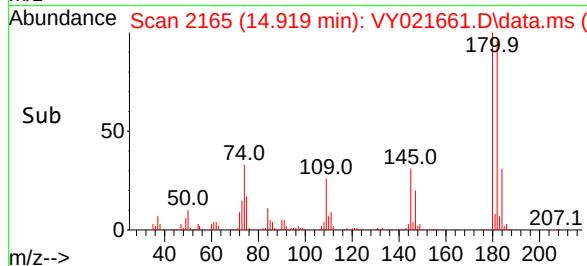
VSTDIC150



Tgt Ion:	180	Resp:	47284
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.6
145	30.8	14.9	44.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

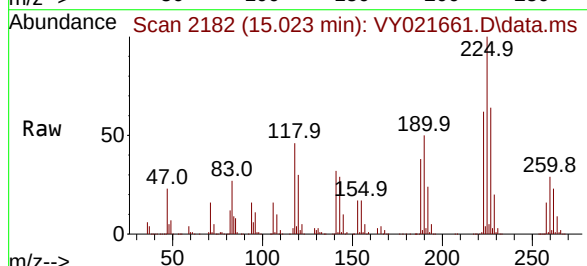
Concen: 142.491 ug/l

RT: 15.023 min Scan# 2182

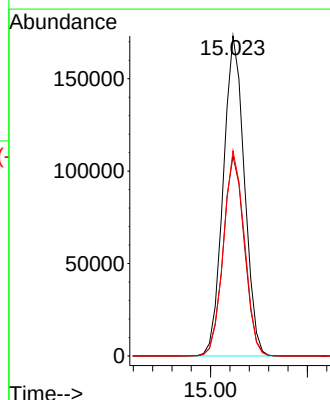
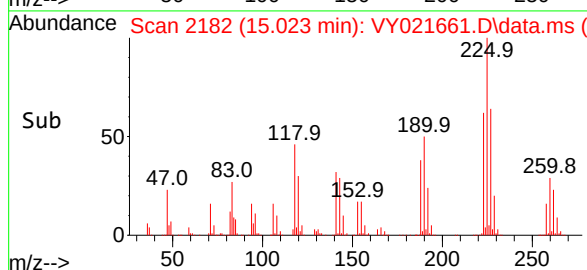
Delta R.T. 0.000 min

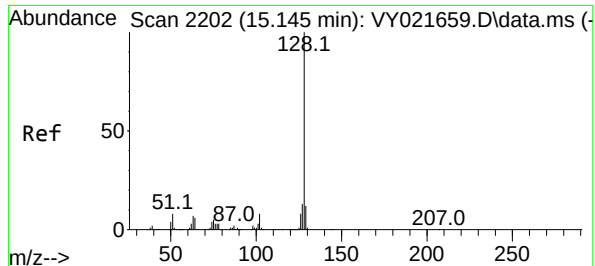
Lab File: VY021661.D

Acq: 27 Mar 2025 12:02



Tgt Ion:	225	Resp:	261678
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.9	95.7
227	63.4	32.4	97.0





#95

Naphthalene

Concen: 176.342 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

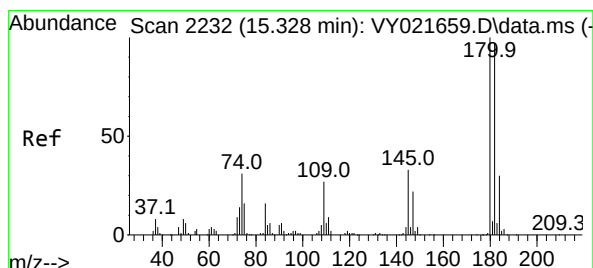
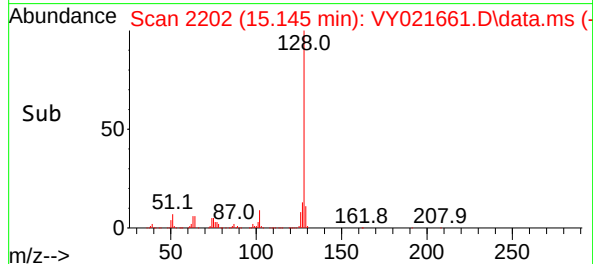
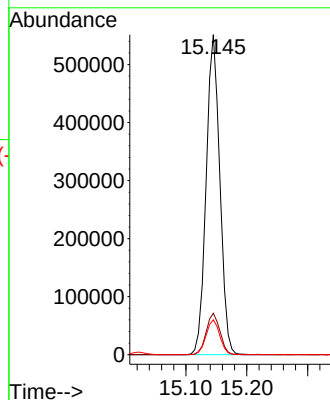
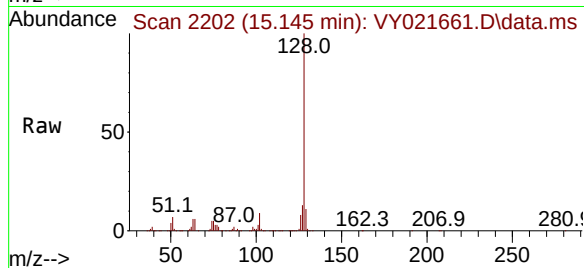
VSTDIC150

Tgt Ion:	128	Resp:	859499
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.8	16.2
129	10.9	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 159.646 ug/l

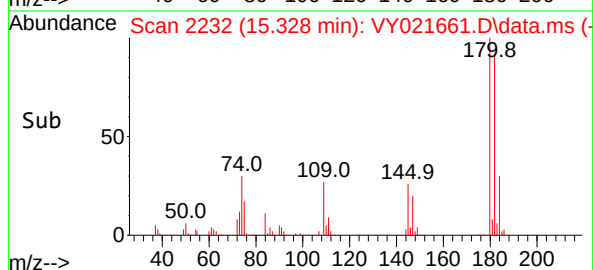
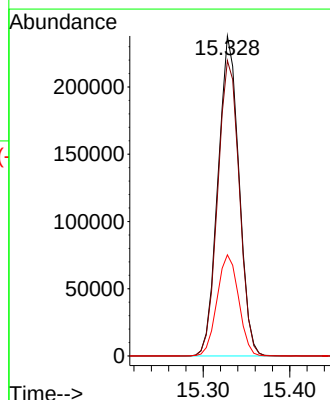
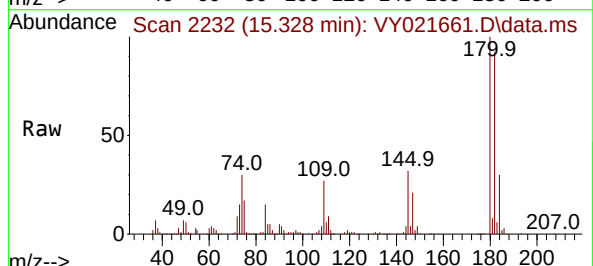
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:	180	Resp:	400315
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	32.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l	99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l #	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l	98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l	95
46) Dibromomethane	9.231	93	76421	50.052	ug/l	98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l	99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l	98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l	100
52) Toluene	10.170	92	360002	51.555	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l	99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l	98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l	99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l	99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l	99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l	98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l	99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l	100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l	100
69) o-Xylene	11.956	106	247091	53.075	ug/l	99
70) Styrene	11.968	104	416261	53.627	ug/l	99
71) Bromoform	12.133	173	78932	50.778	ug/l #	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l	100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l	
77) Bromobenzene	12.535	156	152211	51.125	ug/l	99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l	100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l	97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l	100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l	100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l	100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l	99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l	100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l	100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l	96
95) Naphthalene	15.145	128	237561	51.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

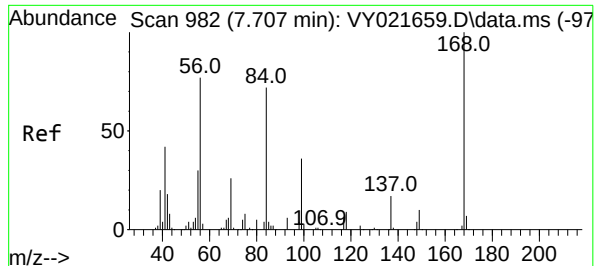
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025





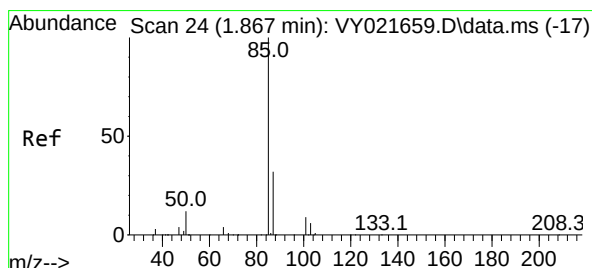
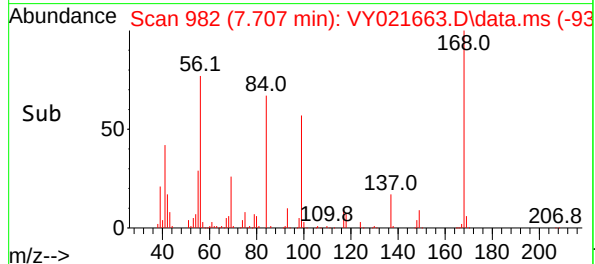
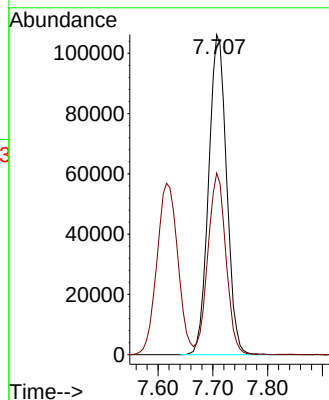
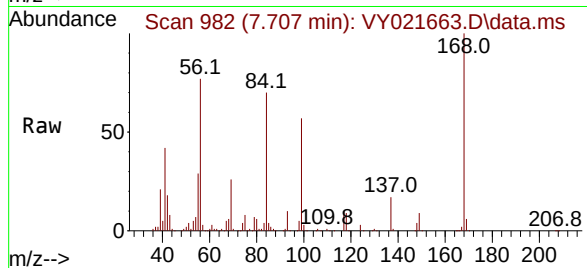
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Tgt Ion:168 Resp: 24128
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

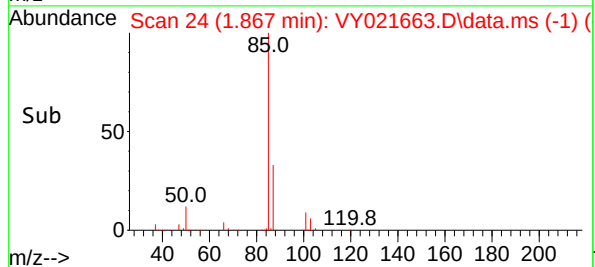
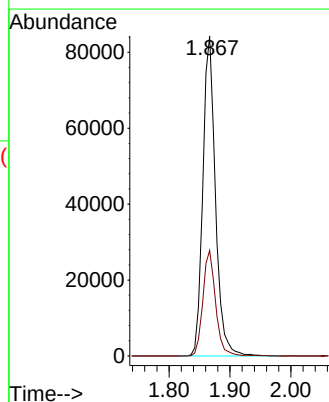
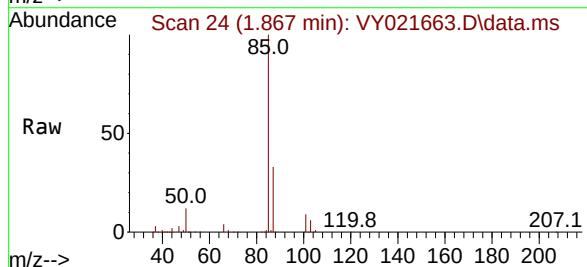
Manual Integrations
APPROVED

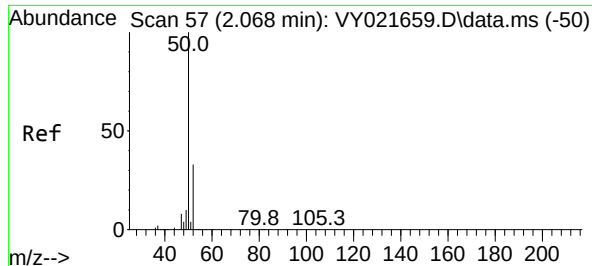
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 48.632 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 85 Resp: 121620
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





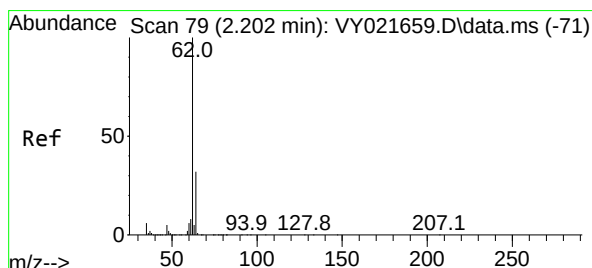
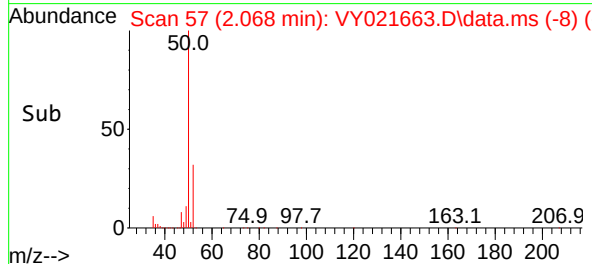
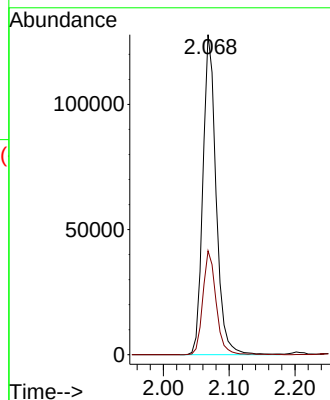
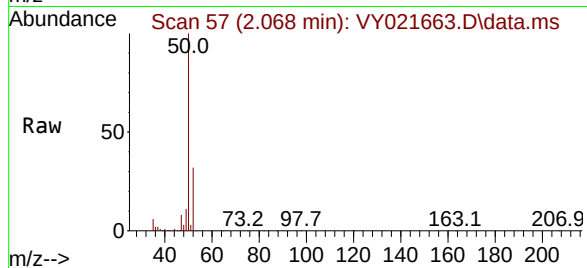
#3
Chloromethane
Concen: 50.781 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 50 Resp: 178572
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

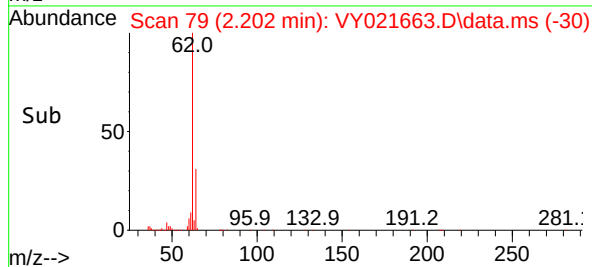
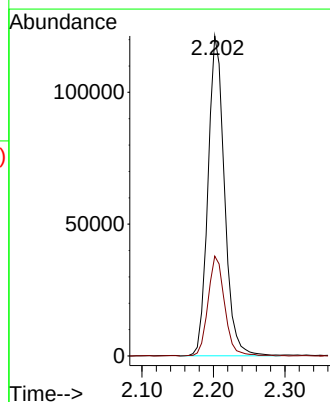
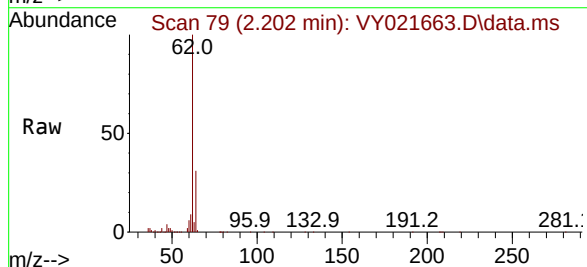
Manual Integrations
APPROVED

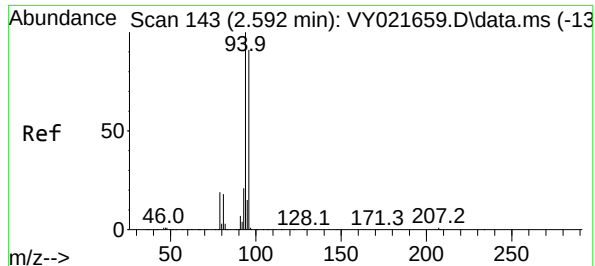
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 48.759 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

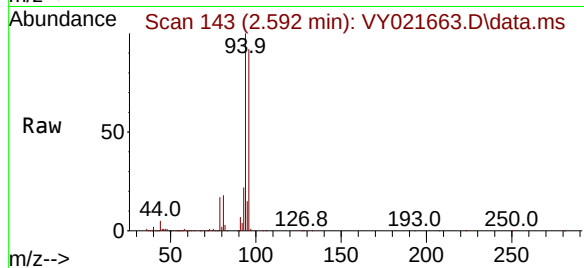
Tgt Ion: 62 Resp: 193909
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3





#5
Bromomethane
Concen: 49.274 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

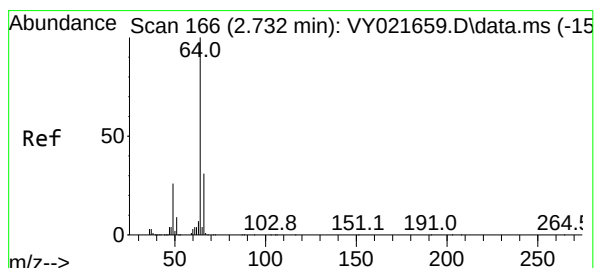
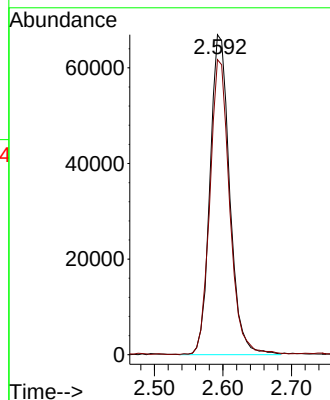
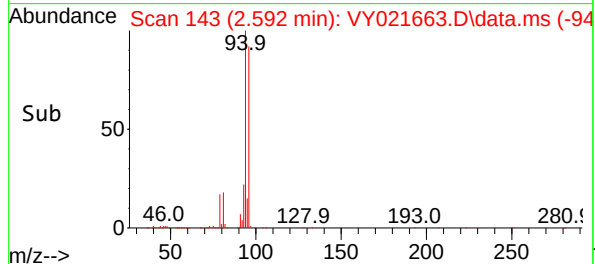
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



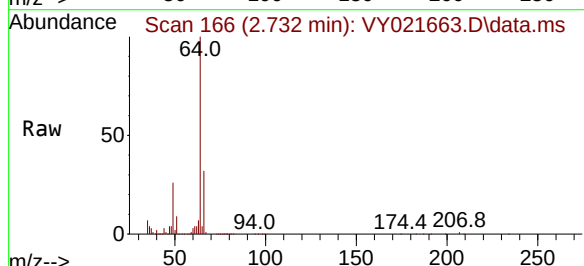
Tgt Ion: 94 Resp: 133650
Ion Ratio Lower Upper
94 100
96 92.1 72.8 109.2

Manual Integrations
APPROVED

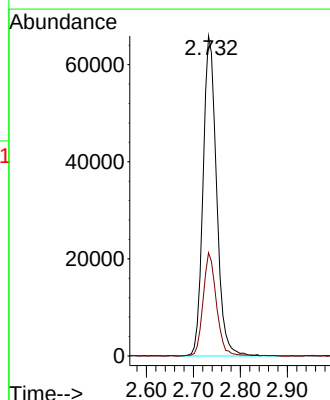
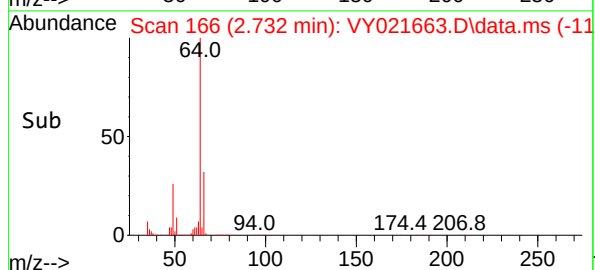
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

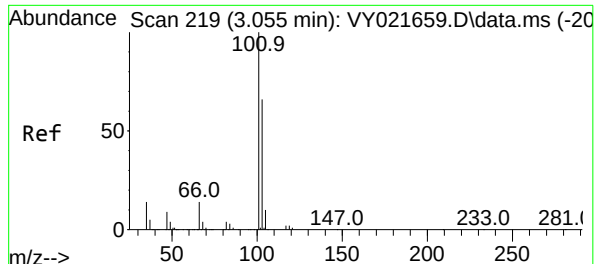


#6
Chloroethane
Concen: 50.589 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



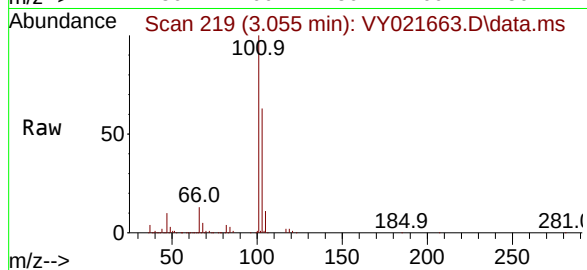
Tgt Ion: 64 Resp: 131646
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 51.989 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

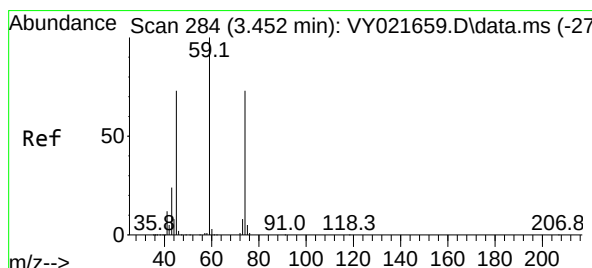
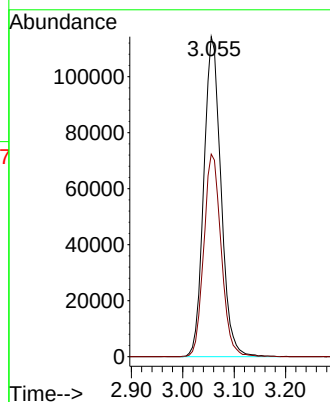
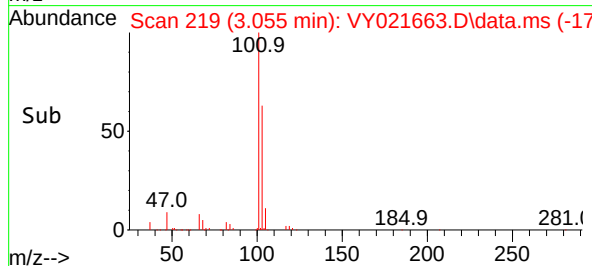
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion:101 Resp: 264850
Ion Ratio Lower Upper
101 100
103 63.3 53.1 79.7

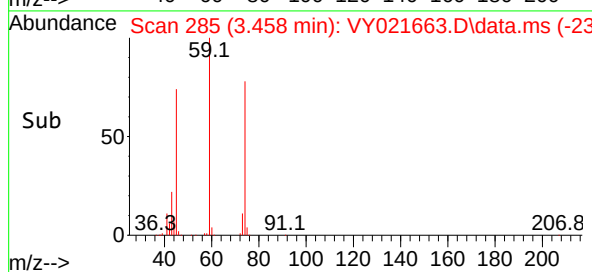
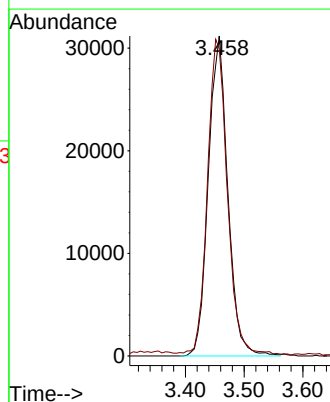
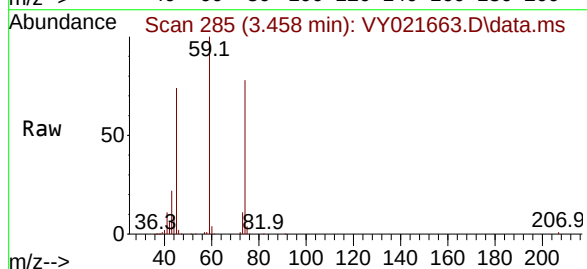
Manual Integrations
APPROVED

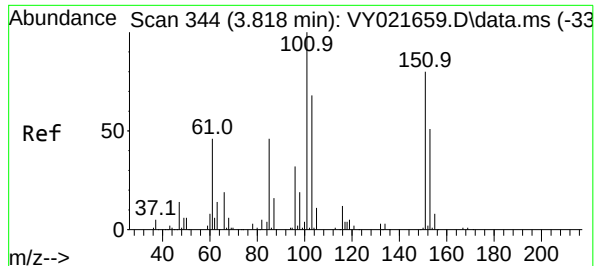
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#8
Diethyl Ether
Concen: 51.807 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 74 Resp: 71773
Ion Ratio Lower Upper
74 100
45 101.3 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.213 ug/l

RT: 3.817 min Scan# 344

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

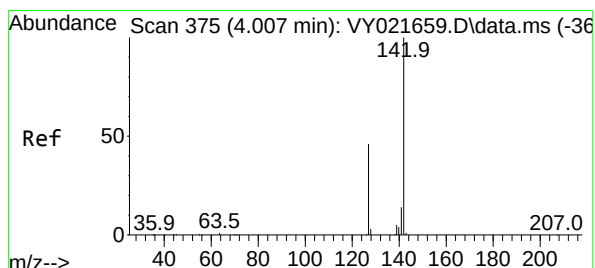
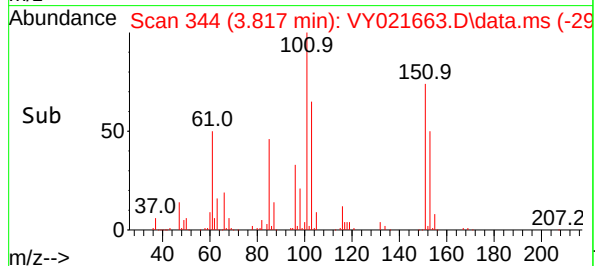
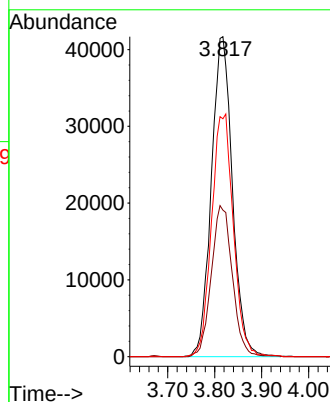
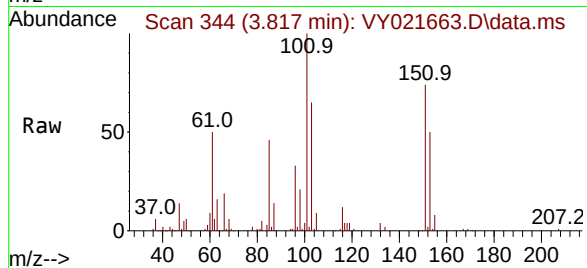
ICVY032725

Tgt Ion:	101	Resp:	12954
Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.3	54.5
151	78.7	61.3	91.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#10

Methyl Iodide

Concen: 48.859 ug/l

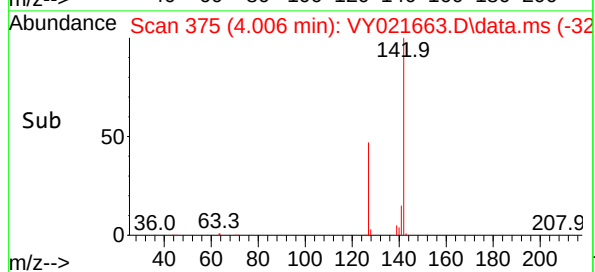
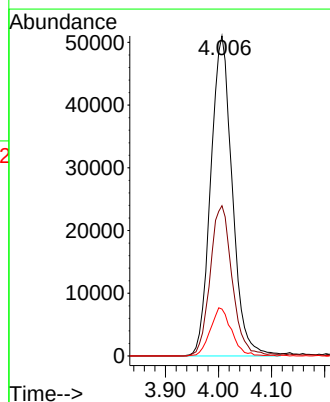
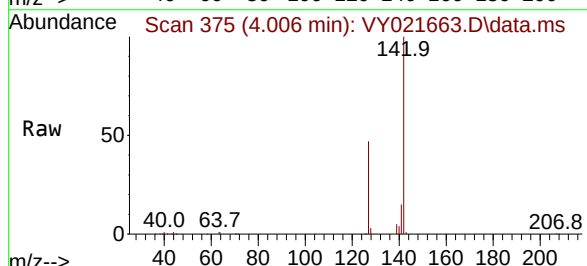
RT: 4.006 min Scan# 375

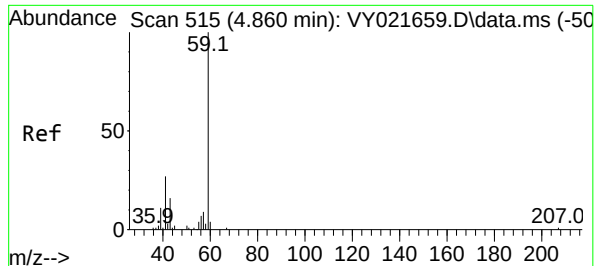
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	142	Resp:	144020
Ion	Ratio	Lower	Upper
142	100		
127	47.9	38.7	58.1
141	14.8	11.5	17.3





#11

Tert butyl alcohol

Concen: 239.093 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 59 Resp: 40598

Ion Ratio Lower Upper

59 100

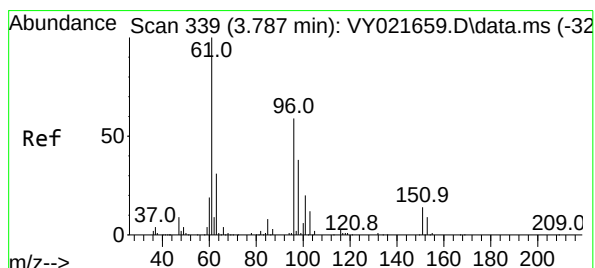
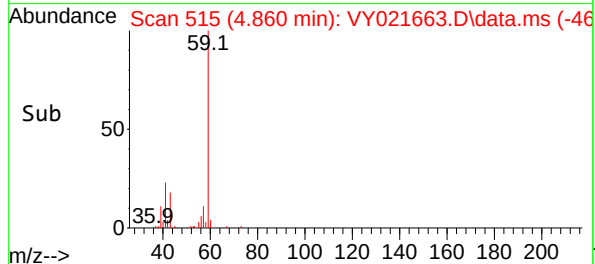
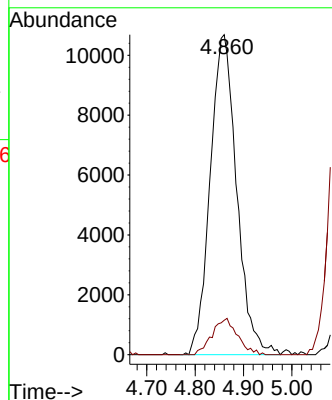
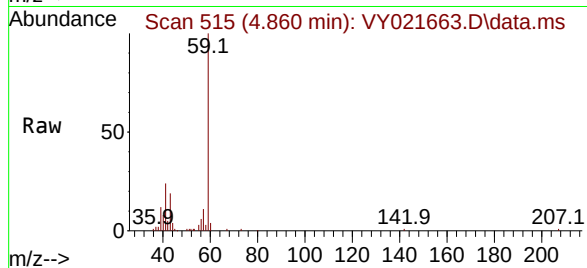
57 10.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#12

1,1-Dichloroethene

Concen: 48.958 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

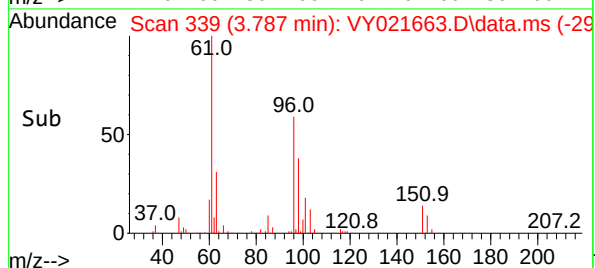
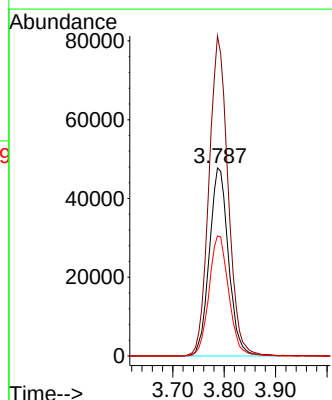
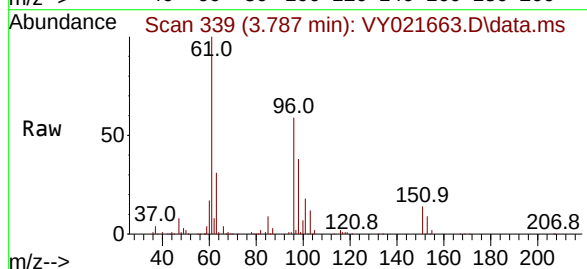
Tgt Ion: 96 Resp: 123904

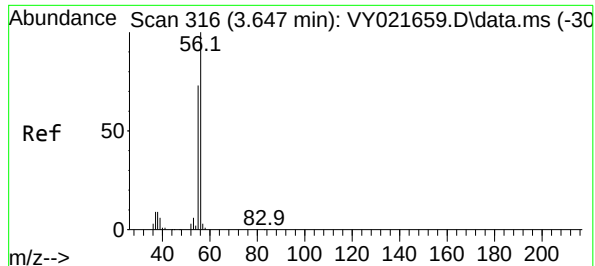
Ion Ratio Lower Upper

96 100

61 170.1 136.6 204.8

98 63.8 52.3 78.5





#13

Acrolein

Concen: 249.738 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 56 Resp: 77430

Ion Ratio Lower Upper

56 100

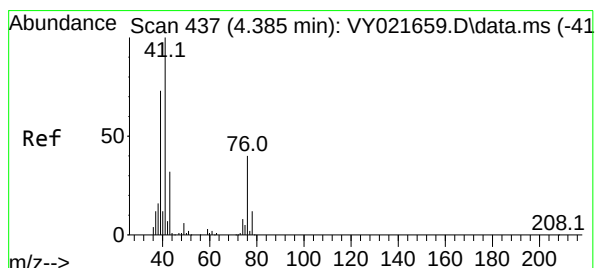
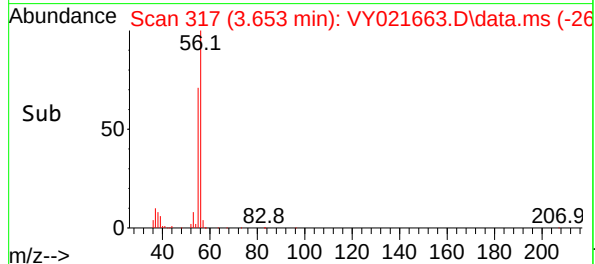
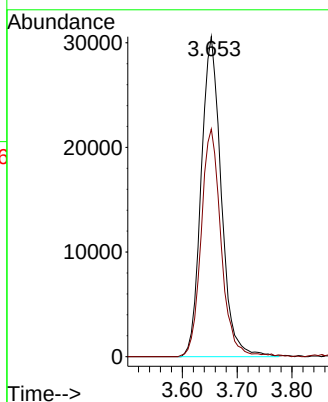
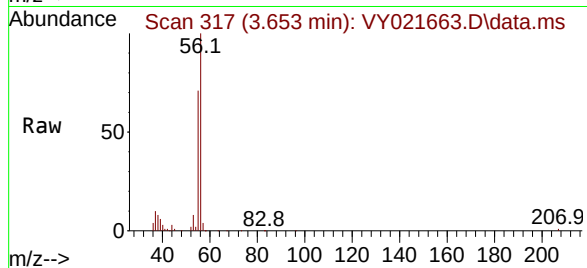
55 71.0 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 50.380 ug/l

RT: 4.384 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

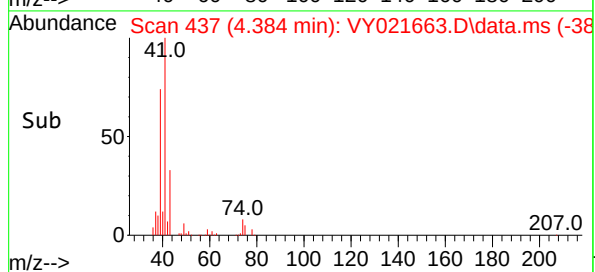
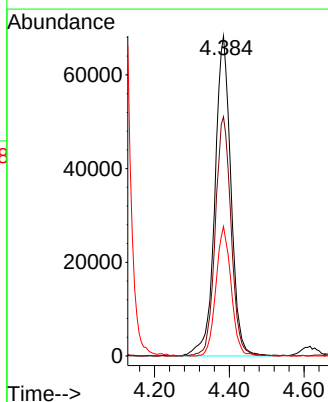
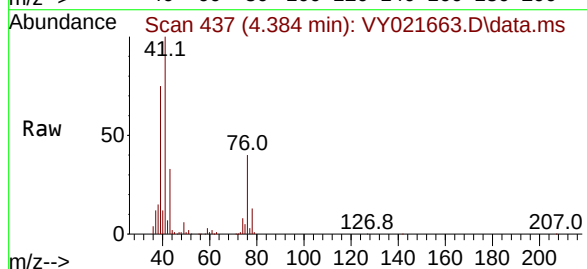
Tgt Ion: 41 Resp: 203289

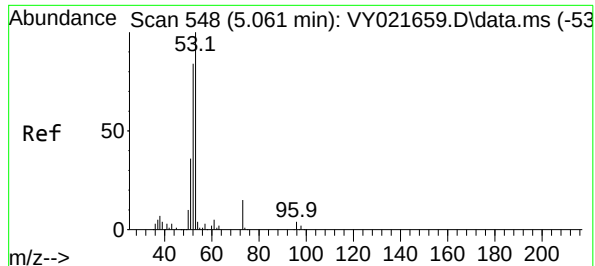
Ion Ratio Lower Upper

41 100

39 73.9 58.6 88.0

76 38.3 30.3 45.5





#15

Acrylonitrile

Concen: 246.085 ug/l

RT: 5.061 min Scan# 54

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

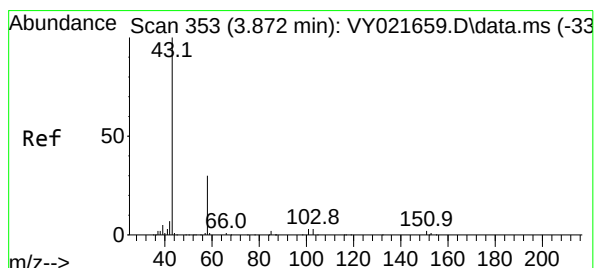
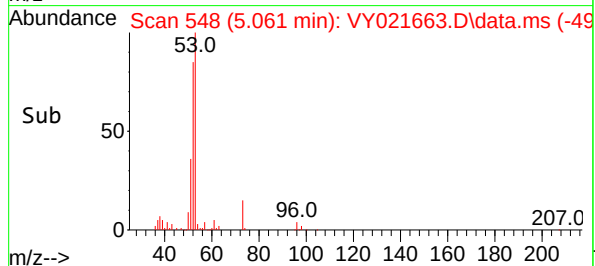
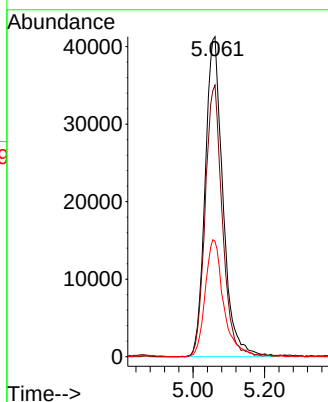
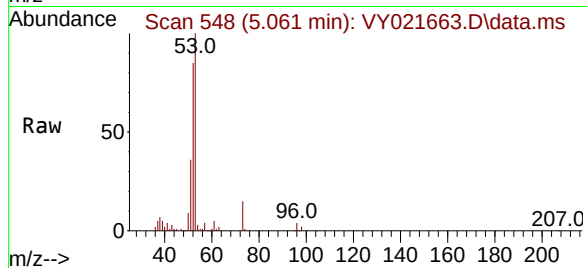
ClientSampleId :

ICVY032725

Tgt Ion: 53	Resp: 142349
Ion Ratio	Lower Upper
53 100	
52 81.9	64.9 97.3
51 37.9	30.2 45.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#16

Acetone

Concen: 234.856 ug/l

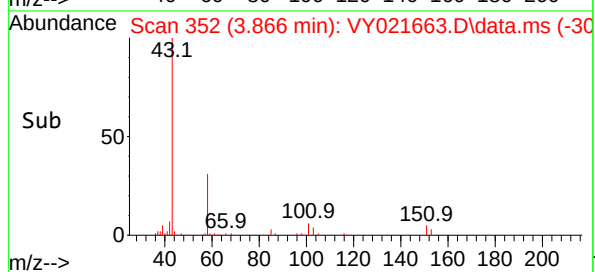
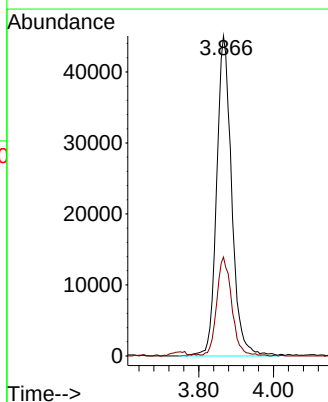
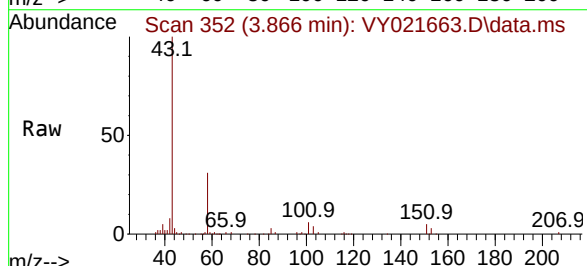
RT: 3.866 min Scan# 352

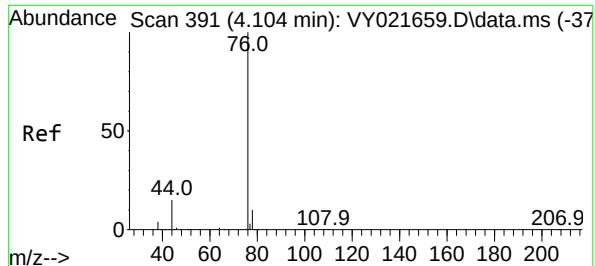
Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

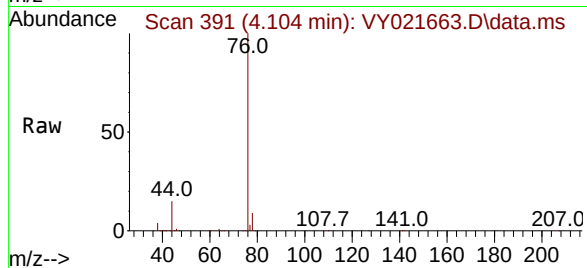
Tgt Ion: 43	Resp: 125654
Ion Ratio	Lower Upper
43 100	
58 30.9	24.2 36.4





#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

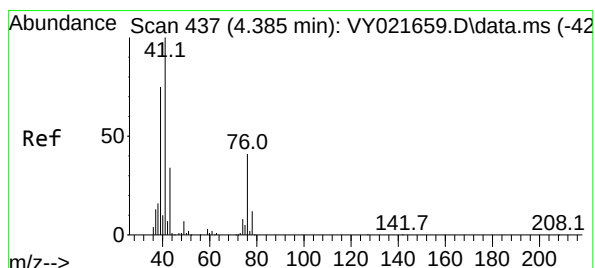
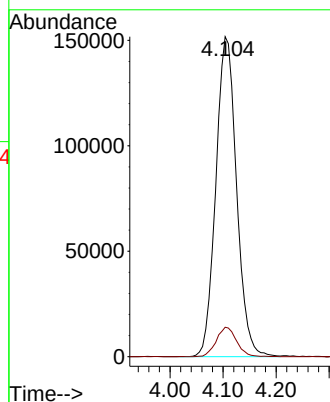
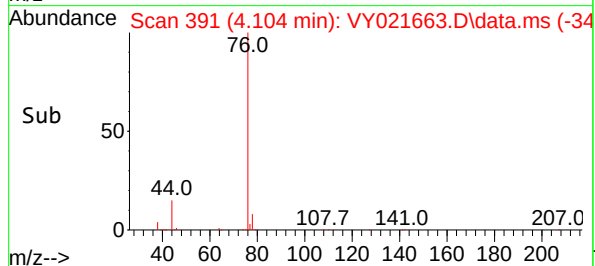
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 76 Resp: 41202
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

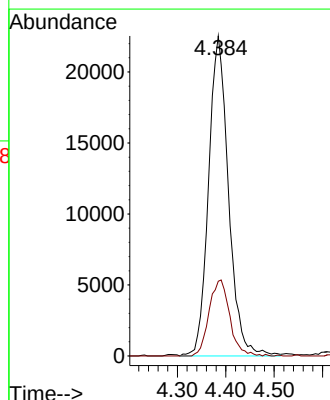
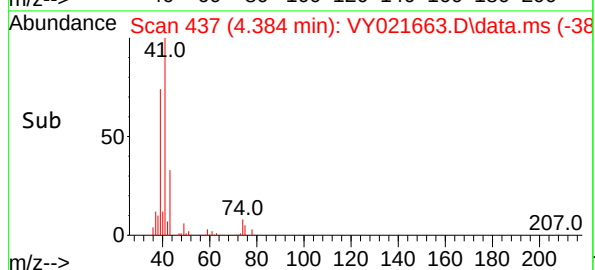
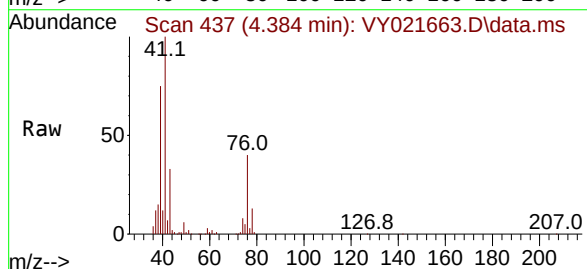
Manual Integrations
APPROVED

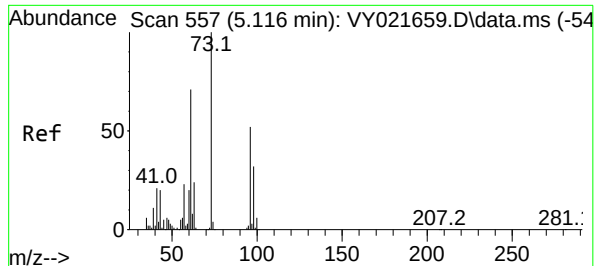
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#18
Methyl Acetate
Concen: 48.703 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 64580
Ion Ratio Lower Upper
43 100
74 24.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.561 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion: 73 Resp: 318579

Ion Ratio Lower Upper

73 100

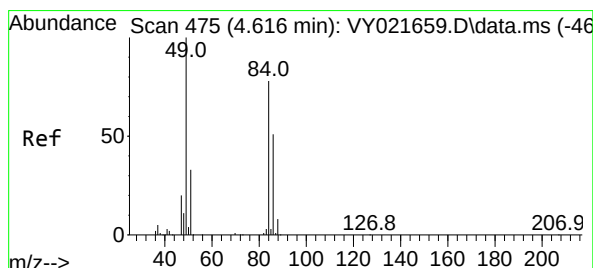
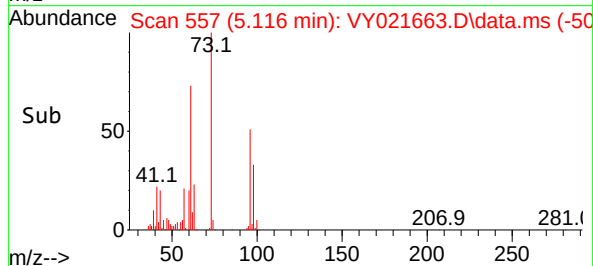
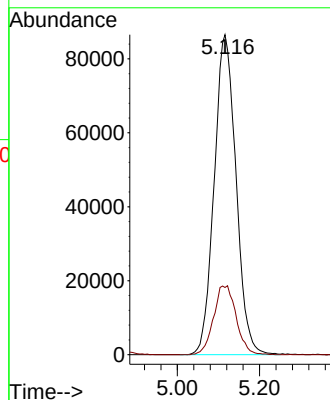
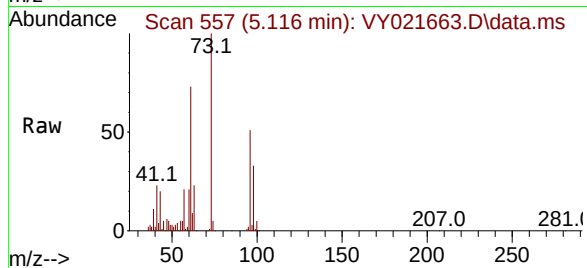
57 21.0 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#20

Methylene Chloride

Concen: 53.536 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion: 84 Resp: 139443

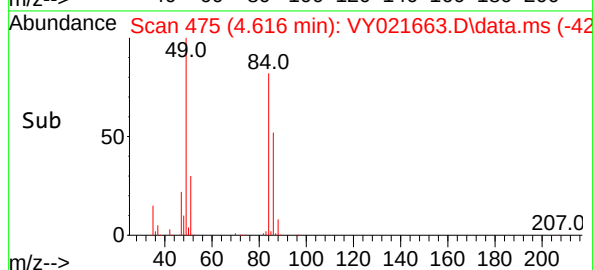
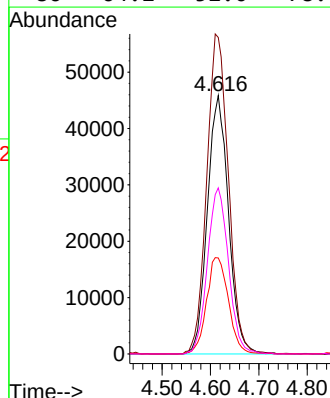
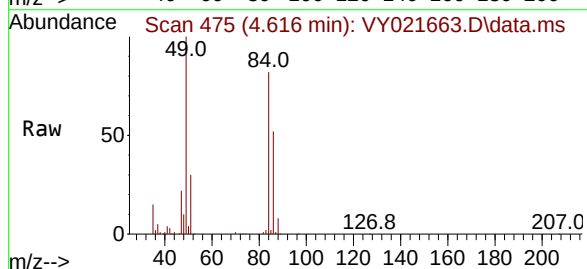
Ion Ratio Lower Upper

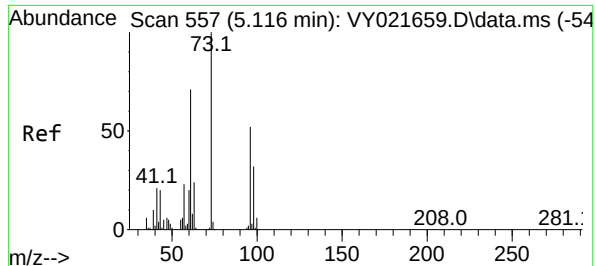
84 100

49 122.3 102.8 154.2

51 37.2 33.5 50.3

86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.186 ug/l

RT: 5.116 min Scan# 511

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 96 Resp: 13984

Ion Ratio Lower Upper

96 100

61 144.2 109.4 164.0

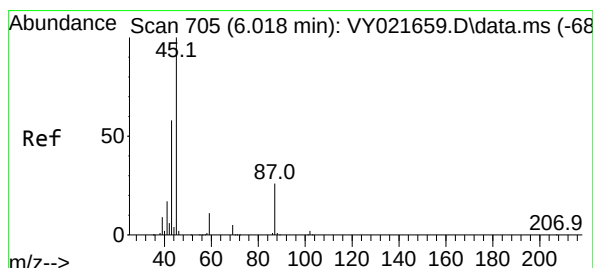
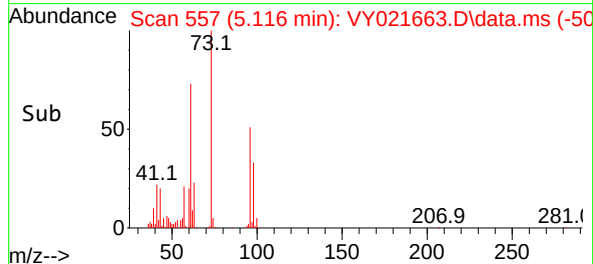
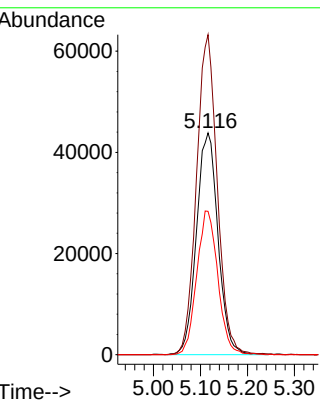
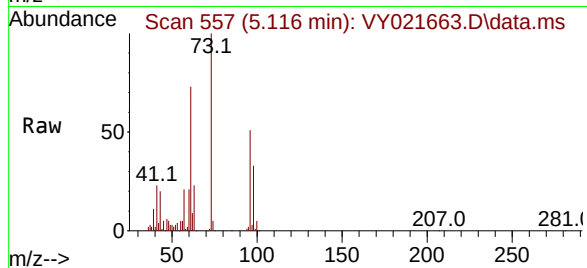
98 64.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#22

Diisopropyl ether

Concen: 51.273 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion: 45 Resp: 434011

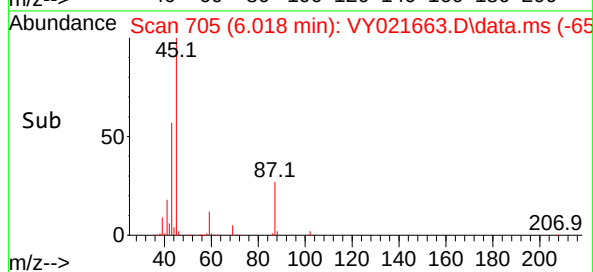
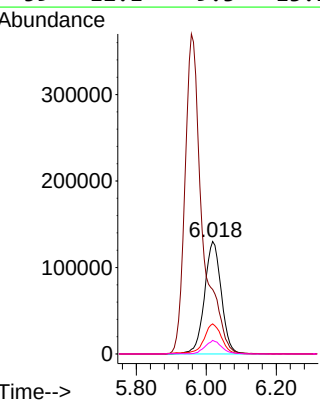
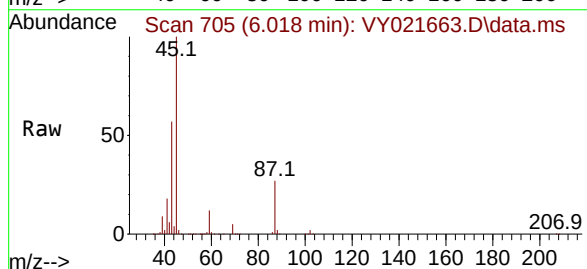
Ion Ratio Lower Upper

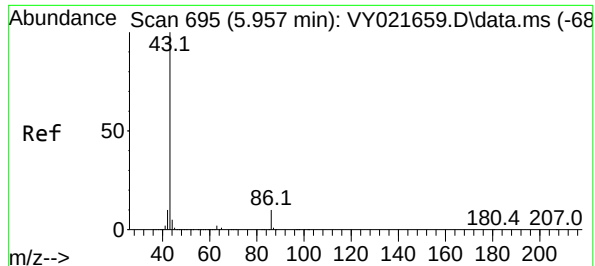
45 100

43 57.0 46.6 69.8

87 26.7 20.7 31.1

59 12.1 9.3 13.9





#23

Vinyl Acetate

Concen: 256.638 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 43 Resp: 127084

Ion Ratio Lower Upper

43

100

86

10.9

8.2

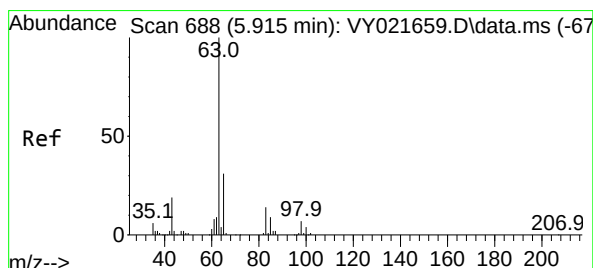
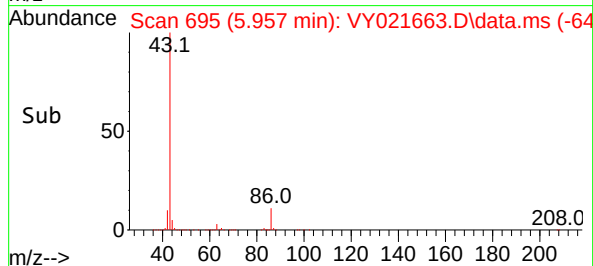
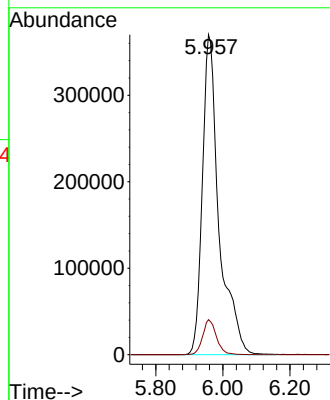
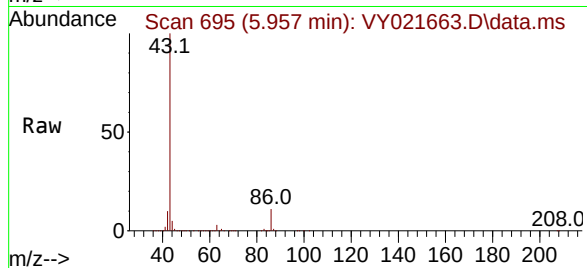
12.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#24

1,1-Dichloroethane

Concen: 50.001 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 253080

Ion Ratio Lower Upper

63

100

98

6.4

3.5

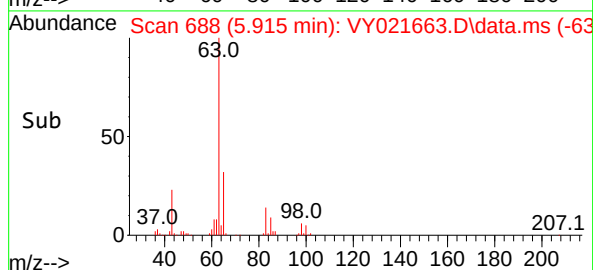
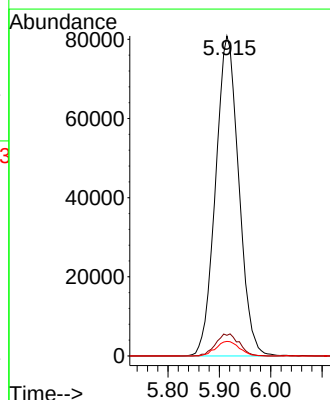
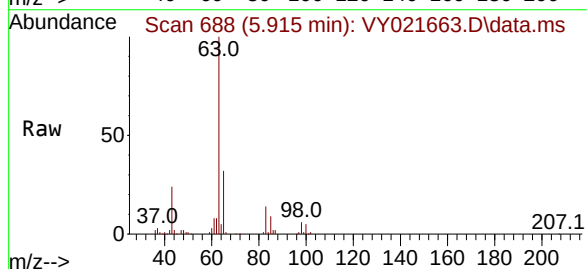
10.5

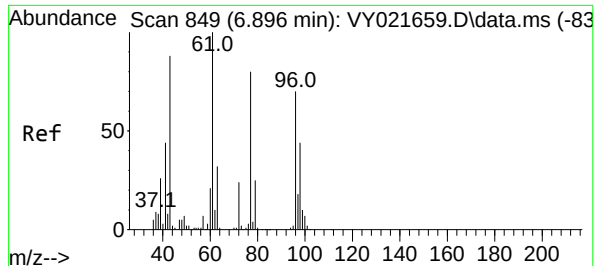
100

4.6

2.2

6.6





#25

2-Butanone

Concen: 240.921 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 43 Resp: 184108

Ion Ratio Lower Upper

43 100

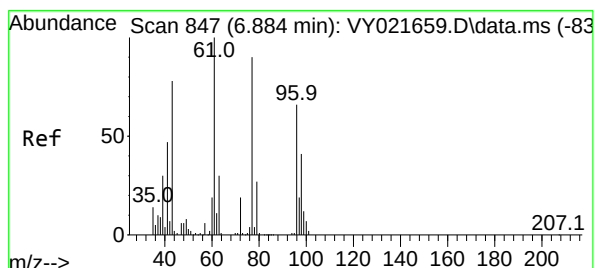
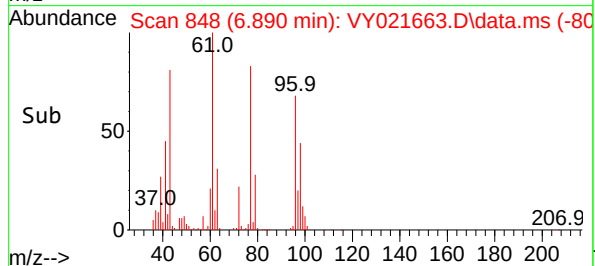
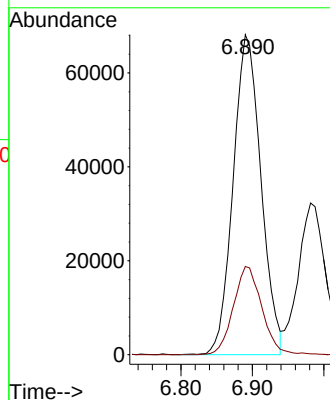
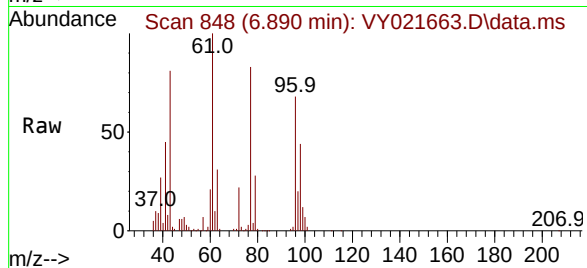
72 27.6 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#26

2,2-Dichloropropane

Concen: 49.103 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021663.D

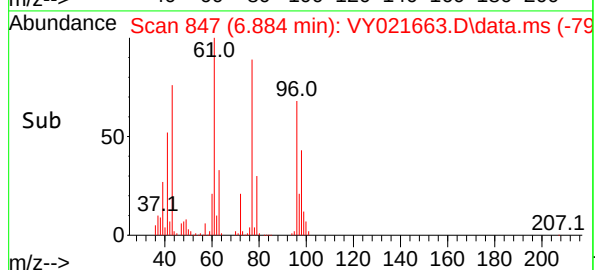
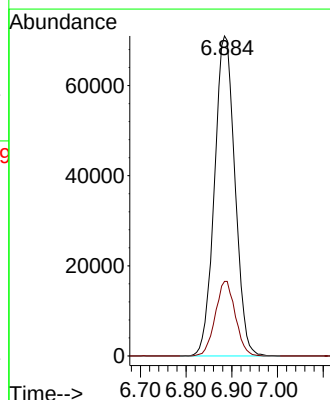
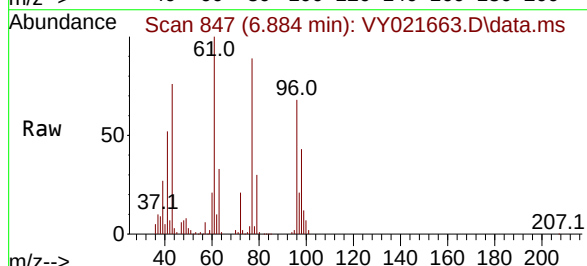
Acq: 27 Mar 2025 13:15

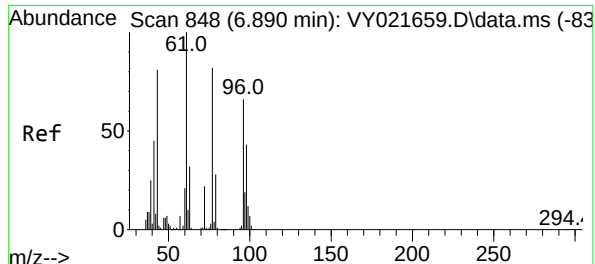
Tgt Ion: 77 Resp: 221076

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.806 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 96 Resp: 159200

Ion Ratio Lower Upper

96 100

61 147.2 0.0 296.4

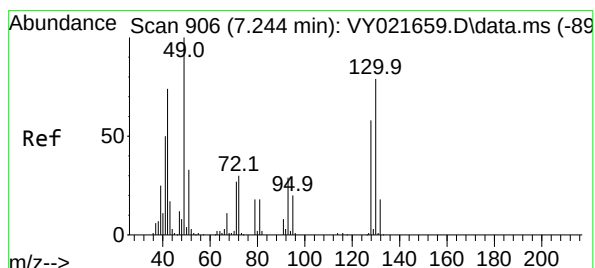
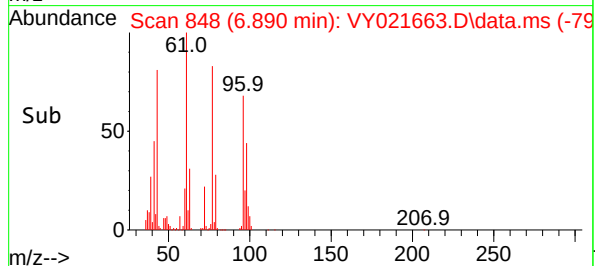
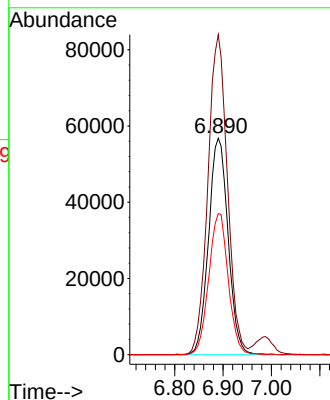
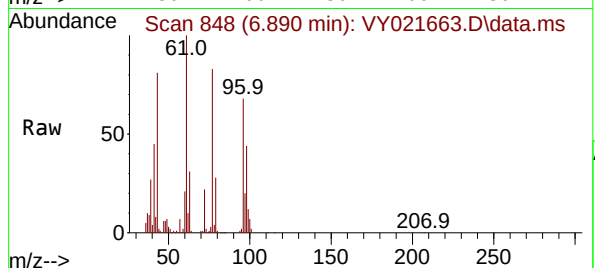
98 65.0 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#28

Bromochloromethane

Concen: 50.360 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

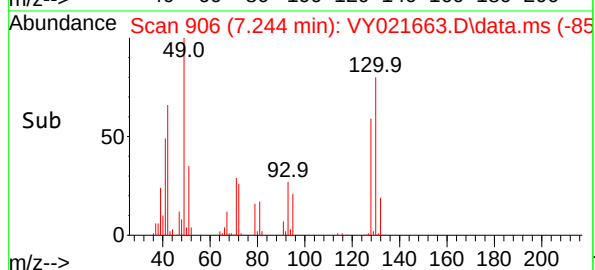
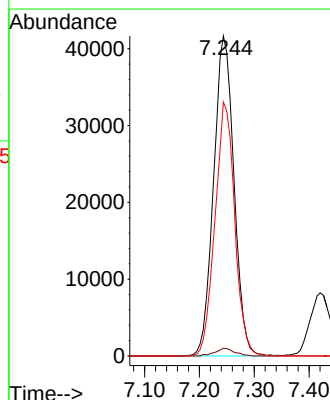
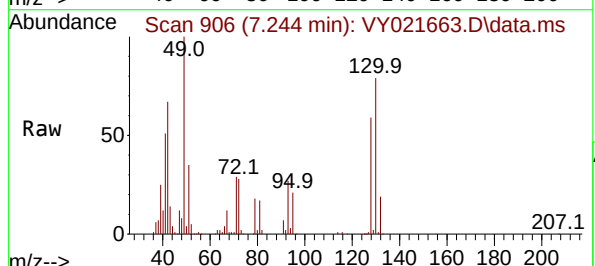
Tgt Ion: 49 Resp: 107500

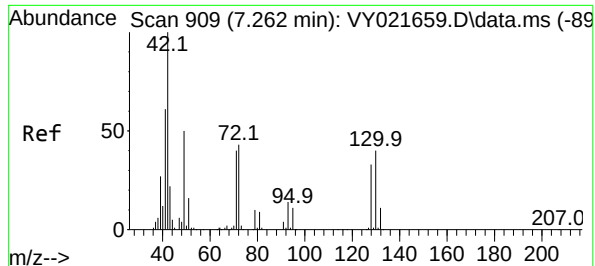
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 247.271 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 42 Resp: 12161

Ion Ratio Lower Upper

42 100

72 43.8 34.6 52.0

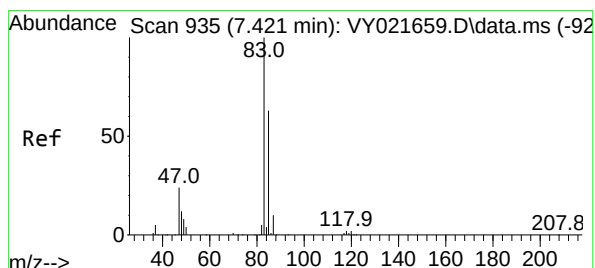
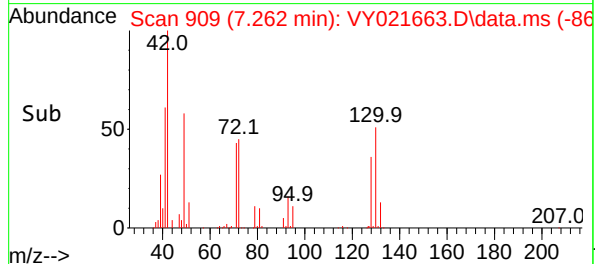
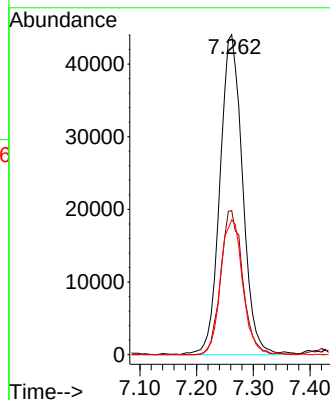
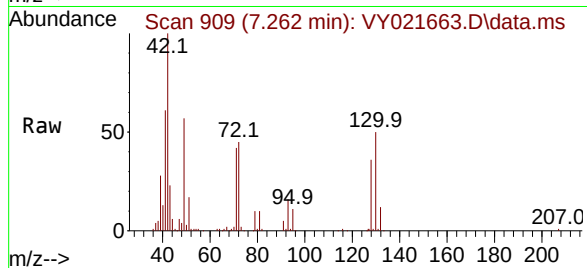
71 41.5 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#30

Chloroform

Concen: 49.490 ug/l

RT: 7.420 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021663.D

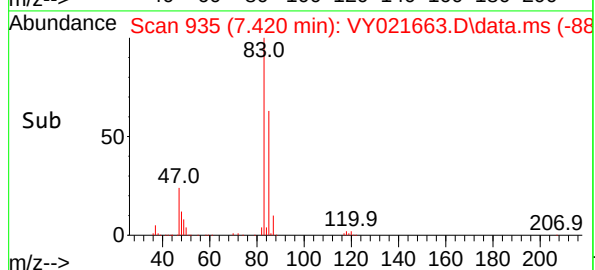
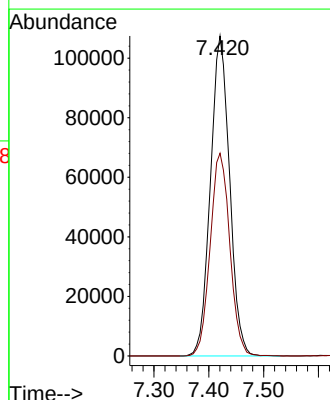
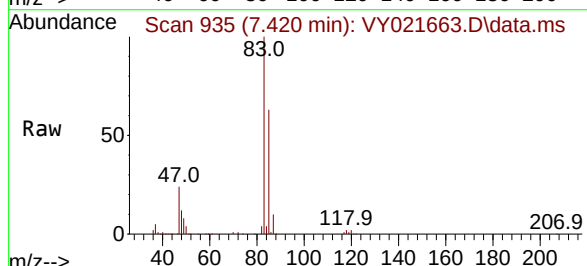
Acq: 27 Mar 2025 13:15

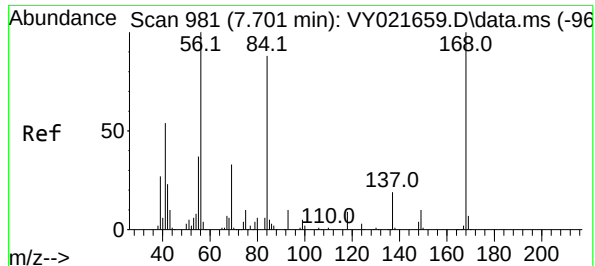
Tgt Ion: 83 Resp: 260540

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8





#31

Cyclohexane

Concen: 47.844 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 56 Resp: 220748

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

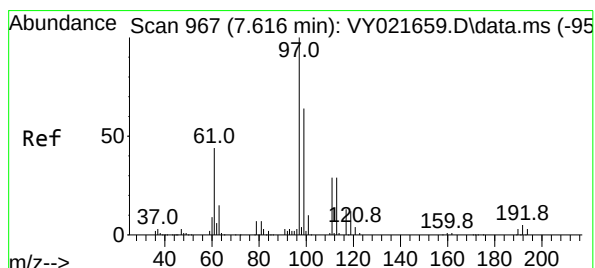
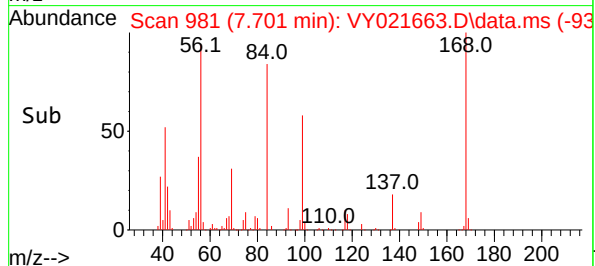
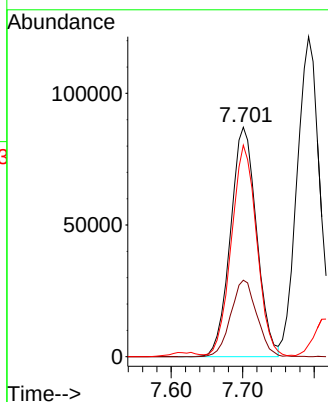
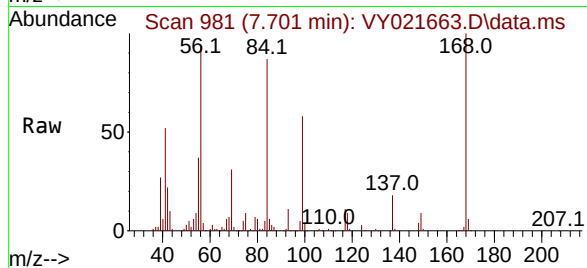
84 90.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#32

1,1,1-Trichloroethane

Concen: 49.319 ug/l

RT: 7.615 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

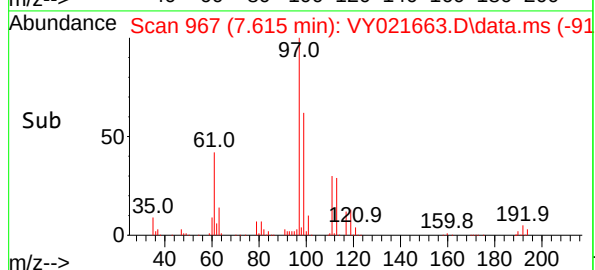
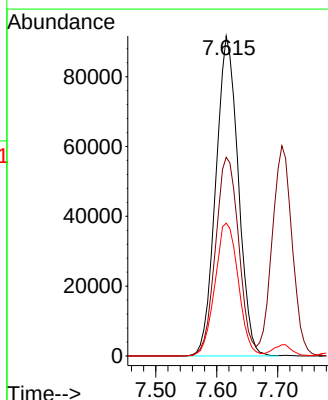
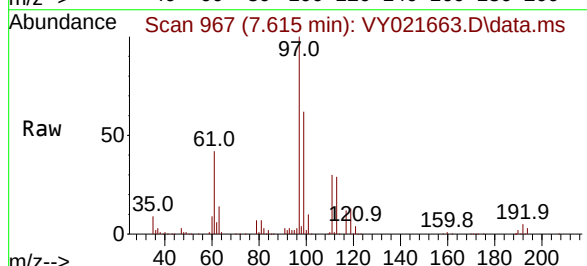
Tgt Ion: 97 Resp: 234663

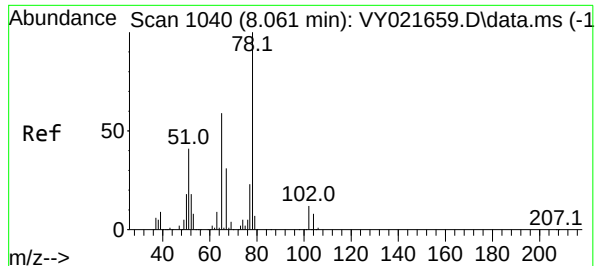
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 43.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 52.553 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 65 Resp: 13738

Ion Ratio Lower Upper

65 100

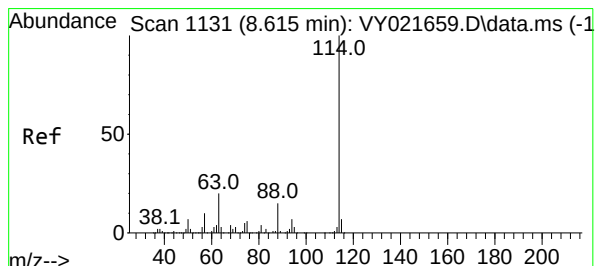
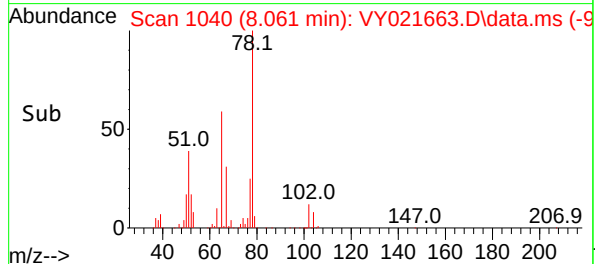
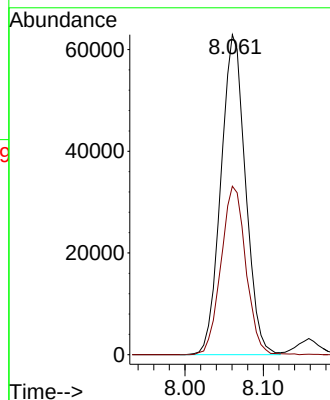
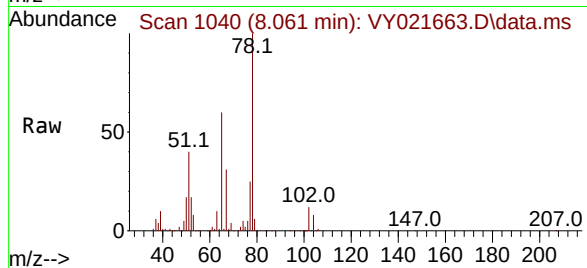
67 53.0 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

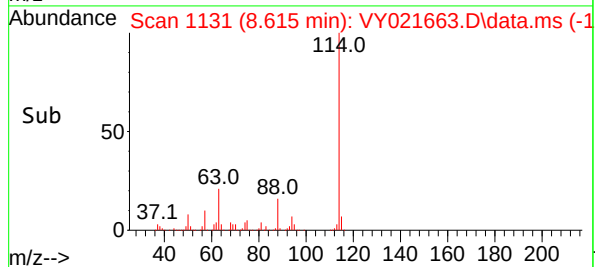
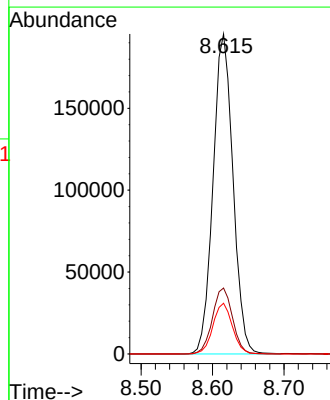
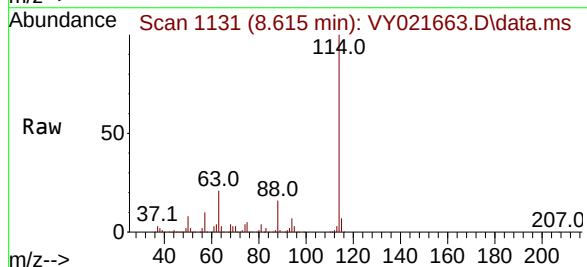
Tgt Ion:114 Resp: 378246

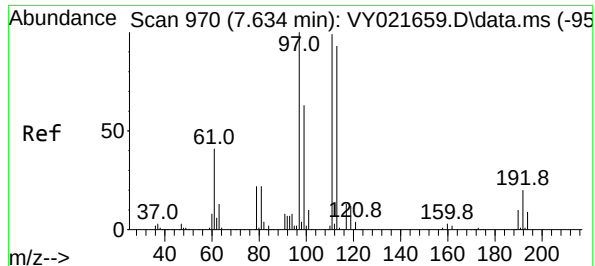
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.243 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

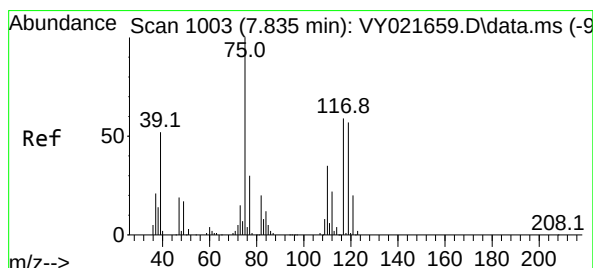
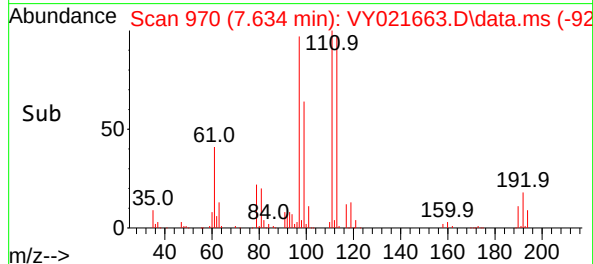
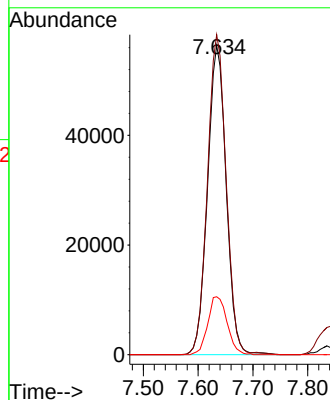
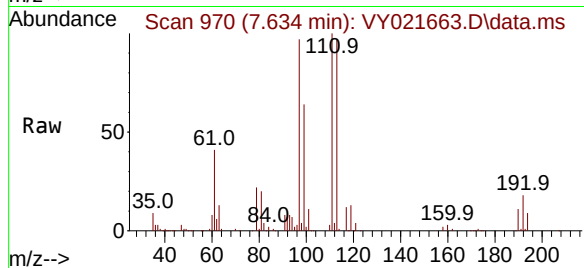
ClientSampleId :

ICVVY032725

Tgt Ion:	113	Resp:	133092
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	19.5	16.2	24.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#36

1,1-Dichloropropene

Concen: 50.326 ug/l

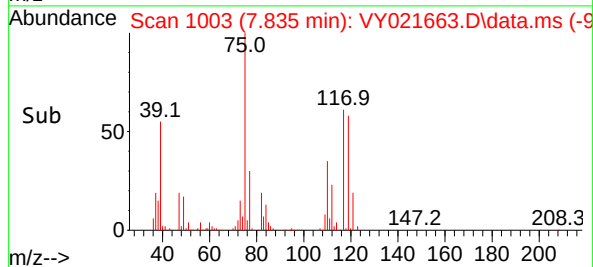
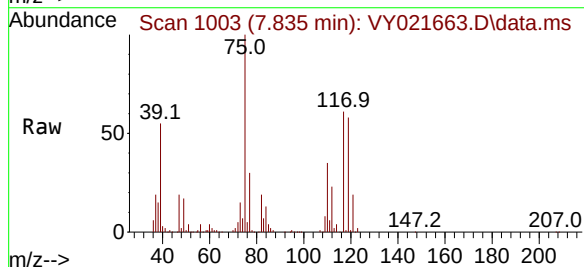
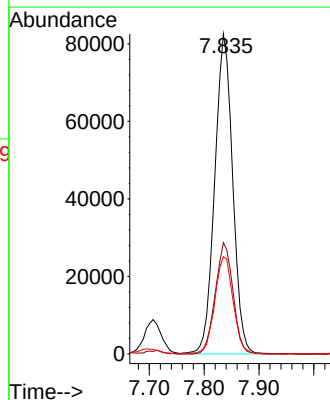
RT: 7.835 min Scan# 1003

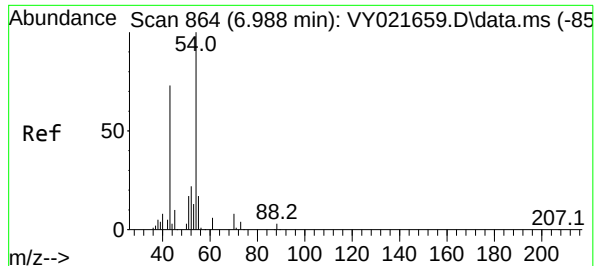
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	75	Resp:	188082
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	31.1	24.8	37.2





#37

Ethyl Acetate

Concen: 49.145 ug/l

RT: 6.981 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

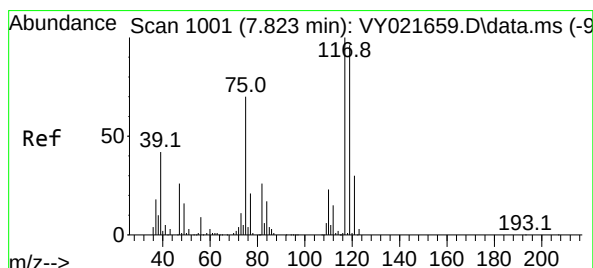
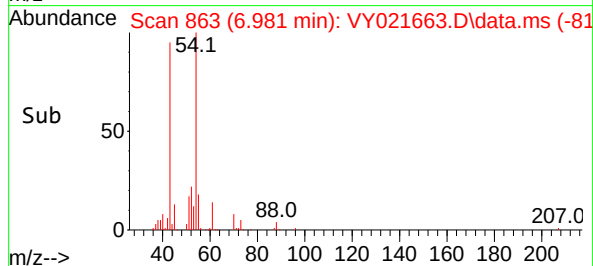
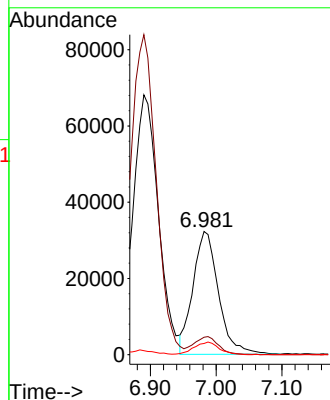
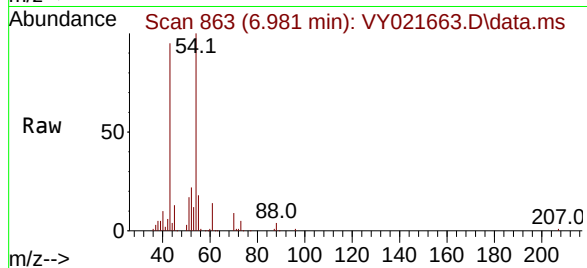
ClientSampleId :

ICVVY032725

Tgt Ion:	43	Resp:	8668
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.1	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#38

Carbon Tetrachloride

Concen: 49.814 ug/l

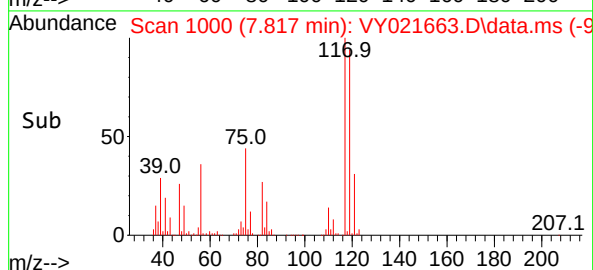
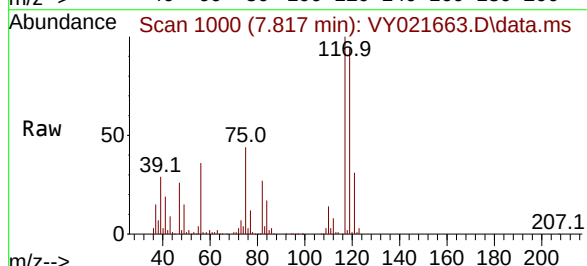
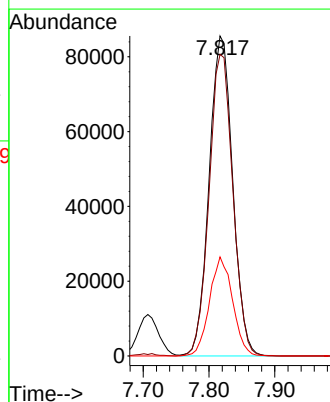
RT: 7.817 min Scan# 1000

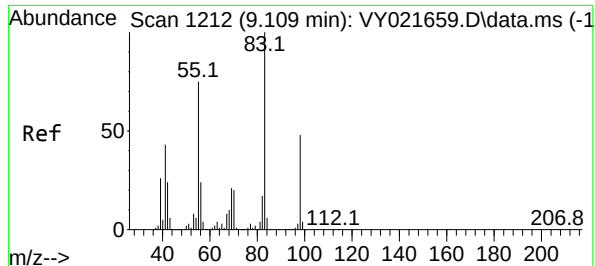
Delta R.T. -0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	117	Resp:	213223
Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.4
121	30.9	24.2	36.4





#39

Methylcyclohexane

Concen: 51.843 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 83 Resp: 23145

Ion Ratio Lower Upper

83 100

55 79.6 59.7 89.5

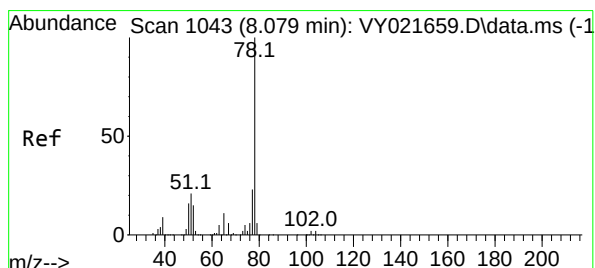
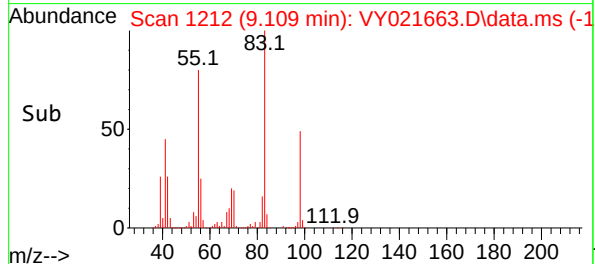
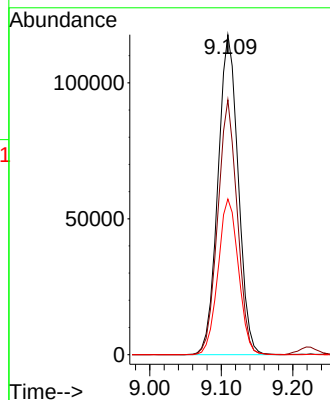
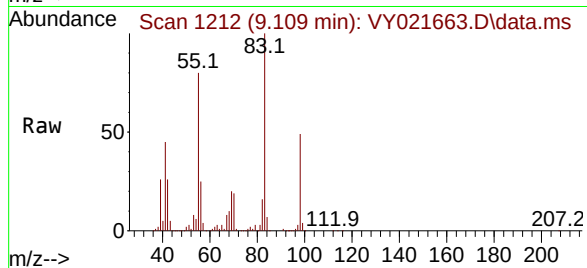
98 48.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#40

Benzene

Concen: 50.574 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY021663.D

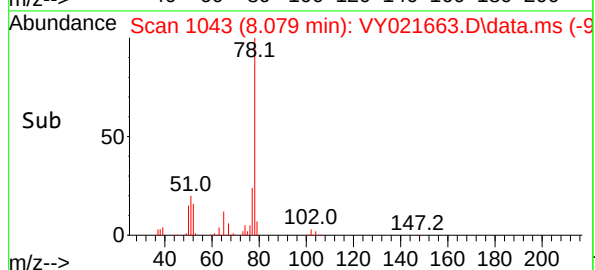
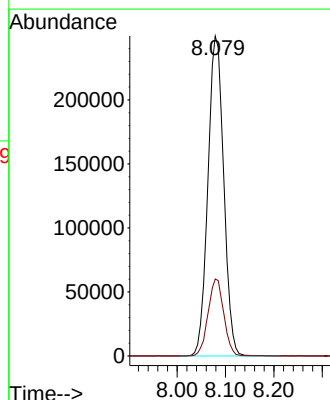
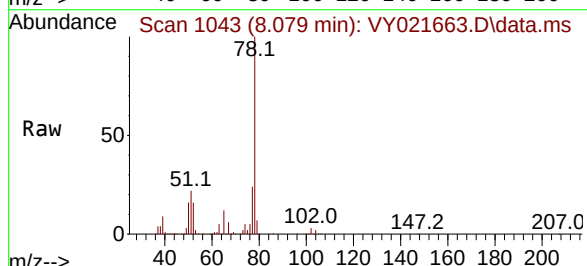
Acq: 27 Mar 2025 13:15

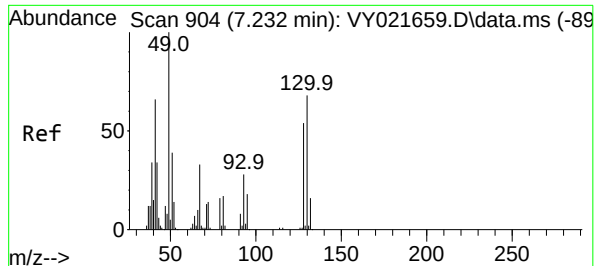
Tgt Ion: 78 Resp: 566027

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 47.475 ug/l

RT: 7.219 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 41 Resp: 44469

Ion Ratio Lower Upper

41 100

39 62.6 0.0 0.0

67 79.2 0.0 0.0

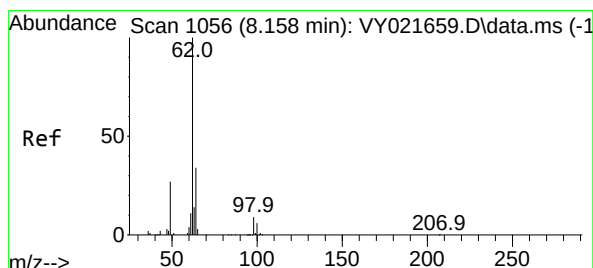
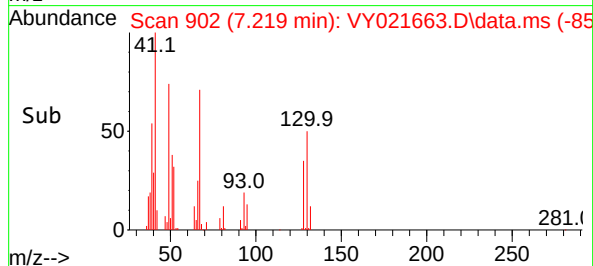
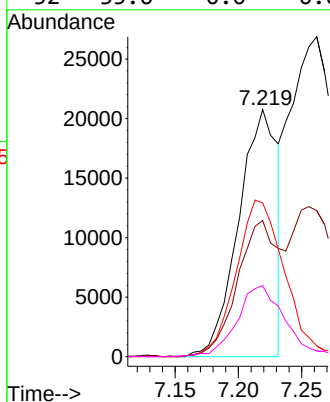
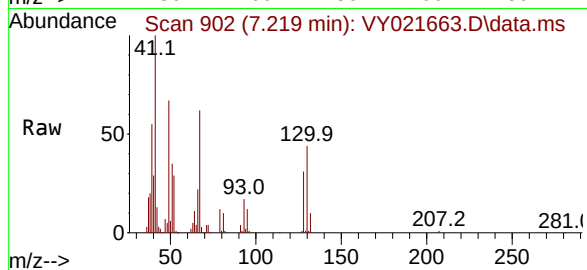
52 35.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#42

1,2-Dichloroethane

Concen: 49.556 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY021663.D

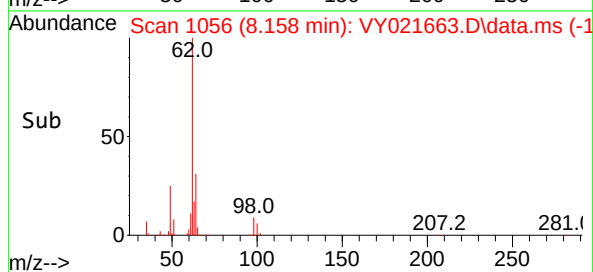
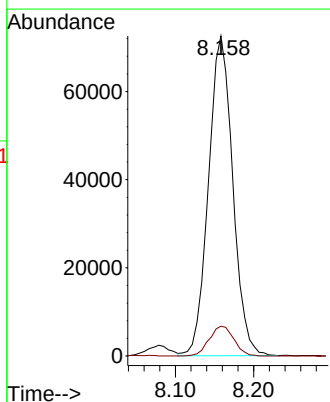
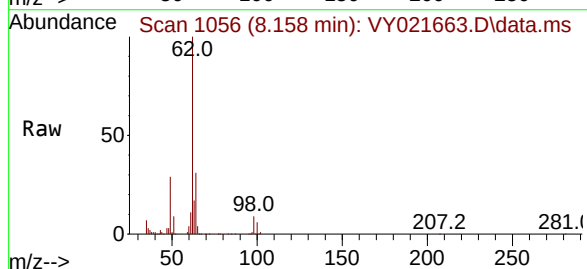
Acq: 27 Mar 2025 13:15

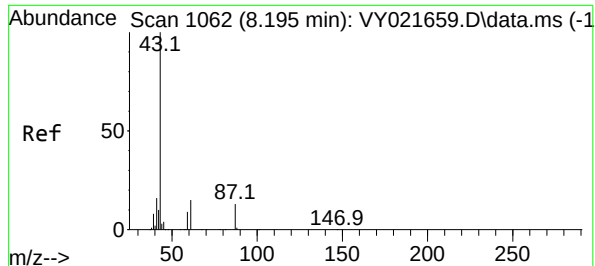
Tgt Ion: 62 Resp: 156359

Ion Ratio Lower Upper

62 100

98 9.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 50.106 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

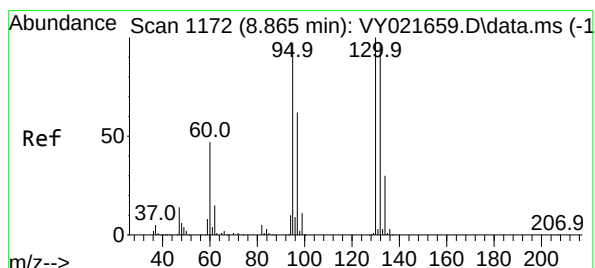
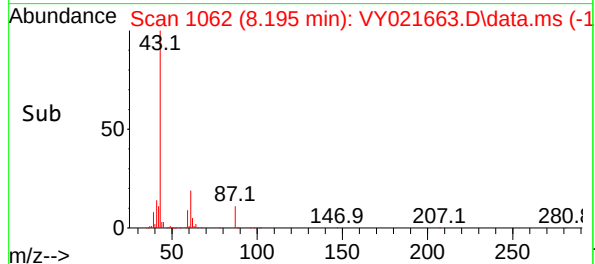
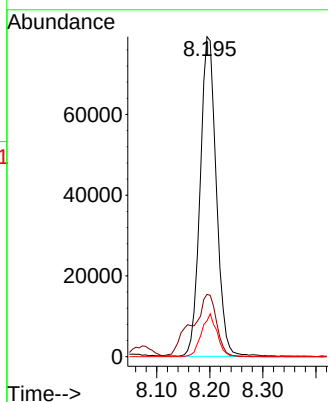
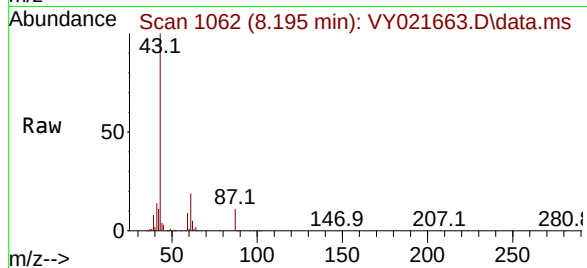
ICVY032725

Tgt Ion:	43	Resp:	167470
Ion	Ratio	Lower	Upper
43	100		
61	30.0	15.9	23.9
87	13.0	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#44

Trichloroethene

Concen: 49.933 ug/l

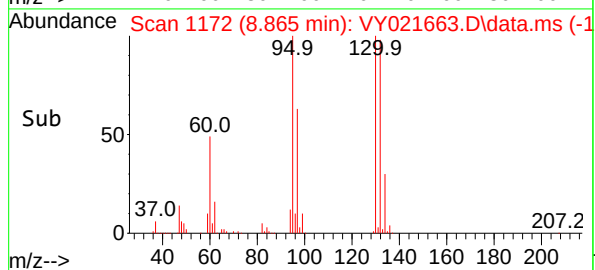
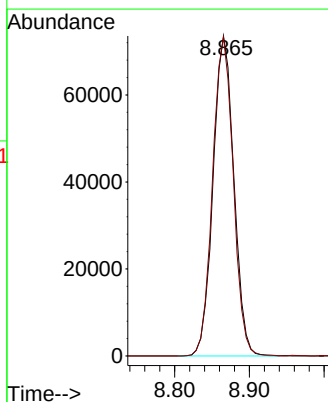
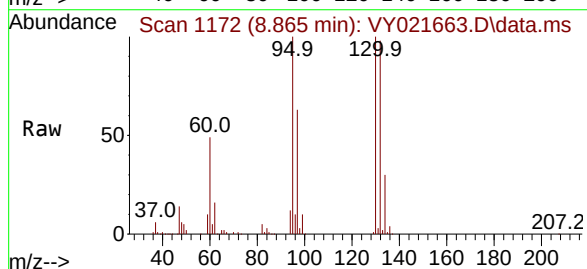
RT: 8.865 min Scan# 1172

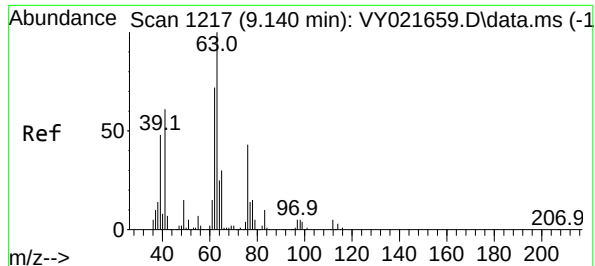
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	130	Resp:	142392
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	194.8





#45

1,2-Dichloropropane

Concen: 50.158 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 63 Resp: 13288

Ion Ratio Lower Upper

63 100

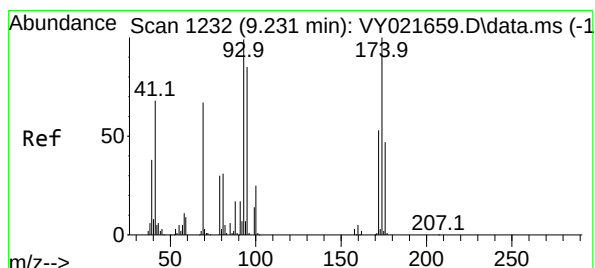
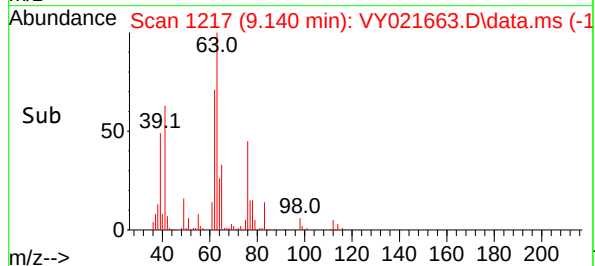
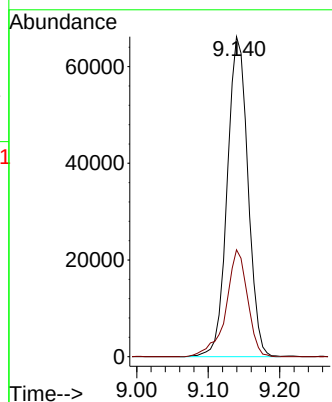
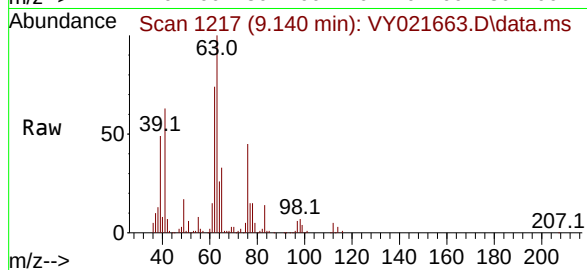
65 33.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#46

Dibromomethane

Concen: 50.052 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

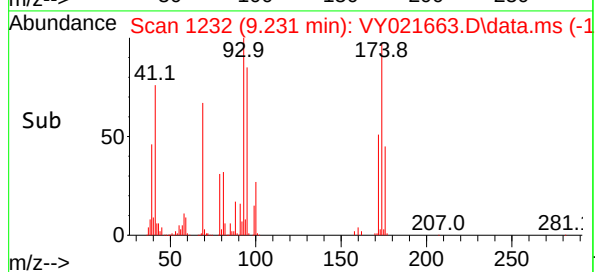
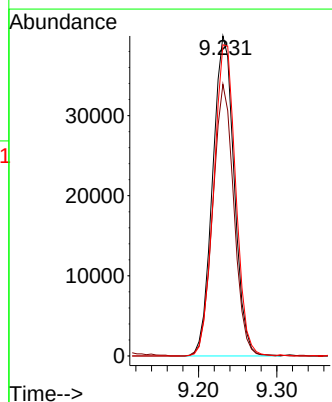
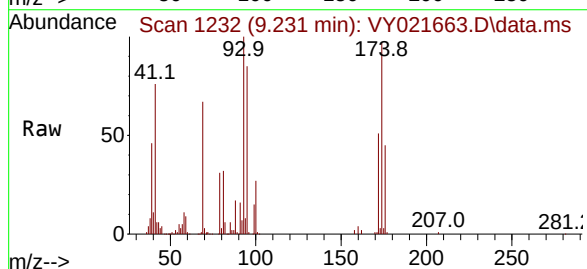
Tgt Ion: 93 Resp: 76421

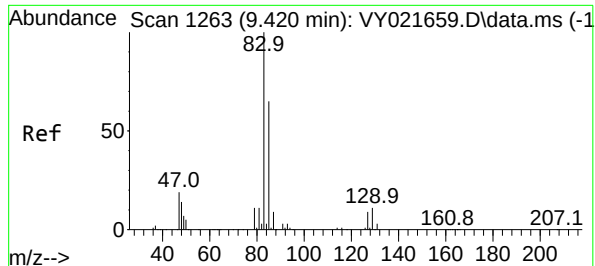
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 99.0 80.9 121.3





#47

Bromodichloromethane

Concen: 50.530 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

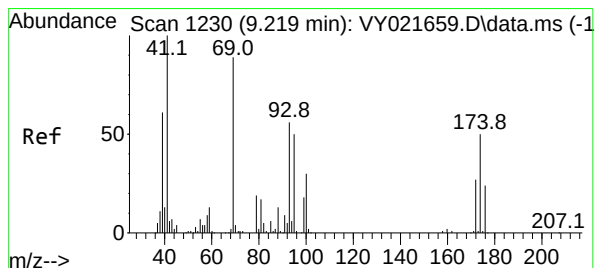
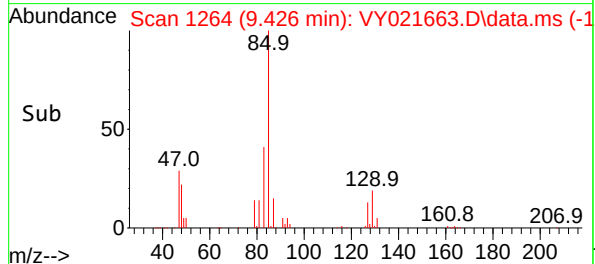
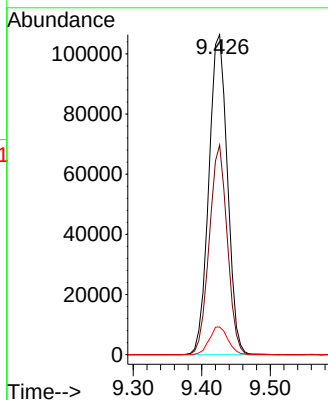
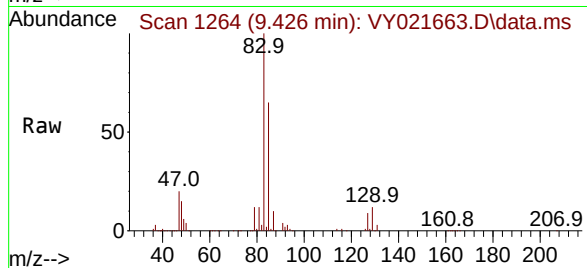
ICVY032725

Tgt Ion:	83	Resp:	19991
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.7	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#48

Methyl methacrylate

Concen: 52.076 ug/l

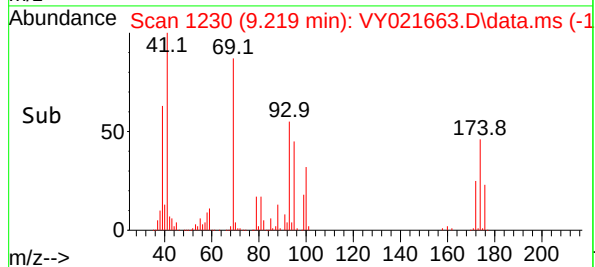
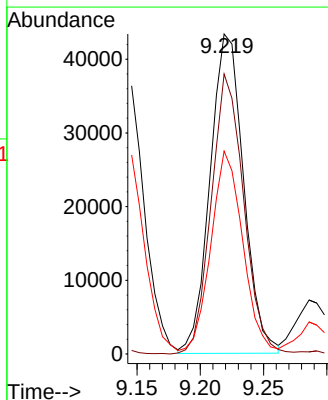
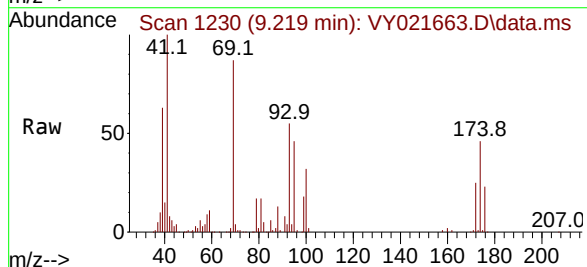
RT: 9.219 min Scan# 1230

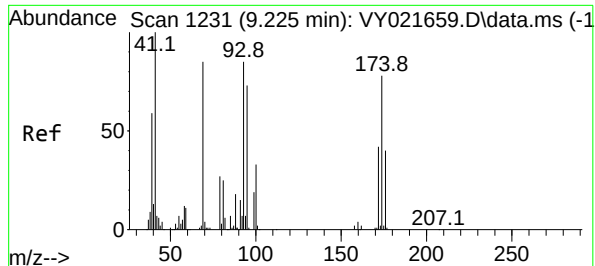
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	41	Resp:	79887
Ion	Ratio	Lower	Upper
41	100		
69	84.8	69.8	104.8
39	58.6	47.2	70.8





#49

1,4-Dioxane

Concen: 1006.593 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

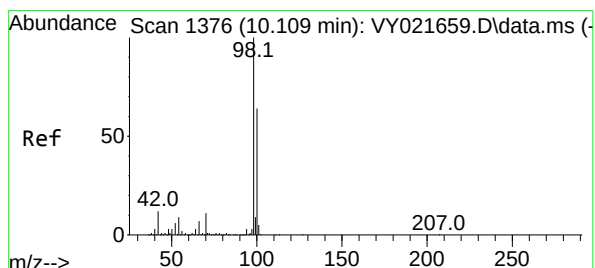
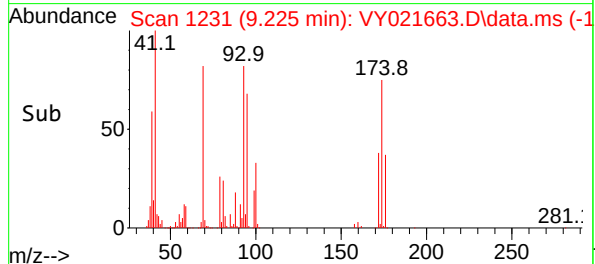
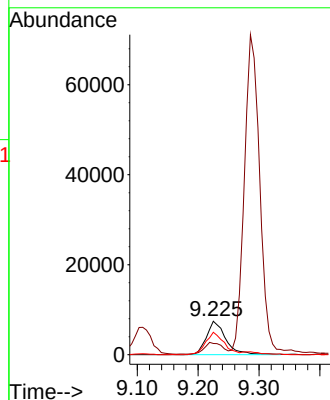
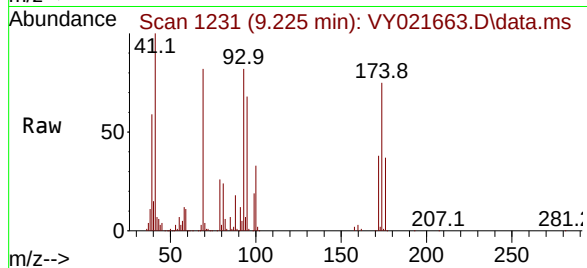
ClientSampleId :

ICVVY032725

Tgt Ion:	88	Resp:	16464
Ion	Ratio	Lower	Upper
88	100		
43	32.8	28.8	43.2
58	63.4	59.4	89.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#50

Toluene-d8

Concen: 55.117 ug/l

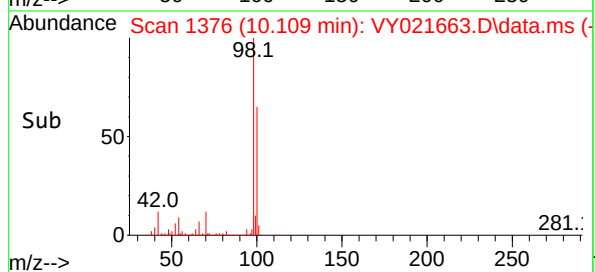
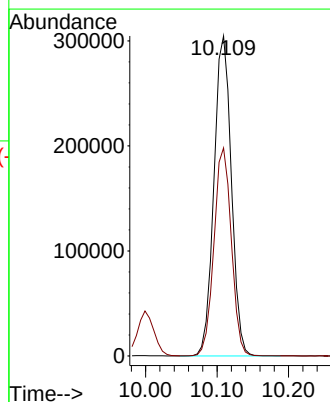
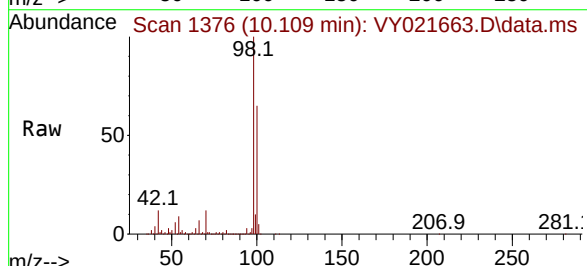
RT: 10.109 min Scan# 1376

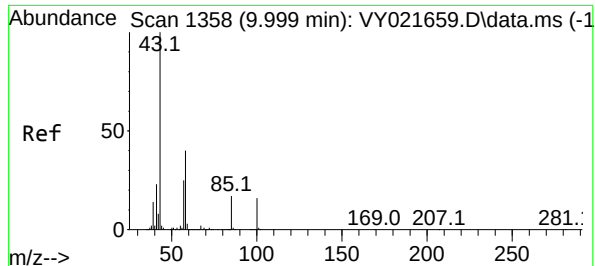
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

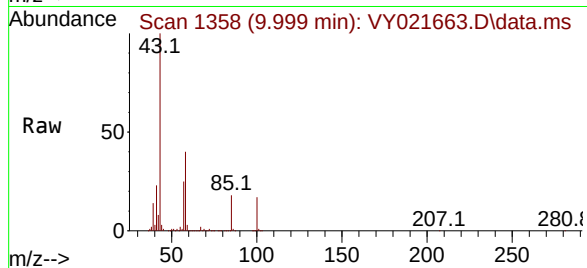
Tgt Ion:	98	Resp:	514482
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 252.890 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

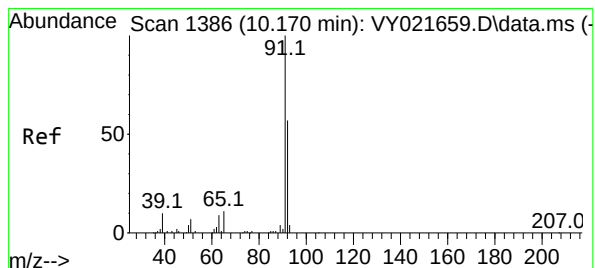
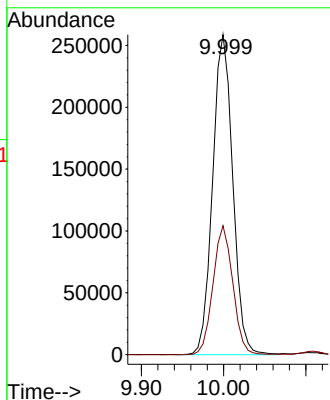
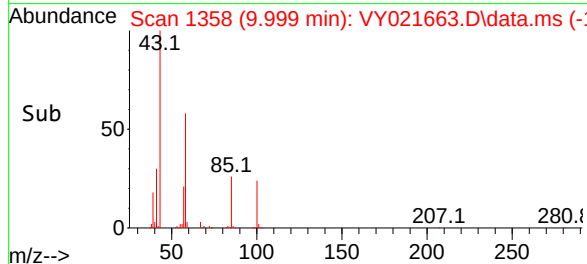
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



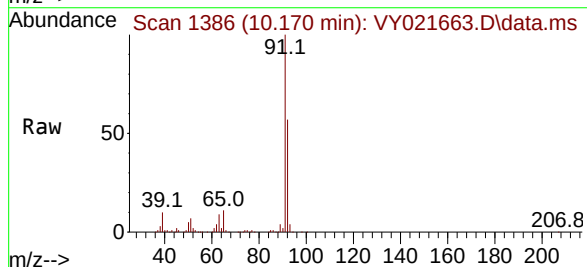
Tgt Ion: 43 Resp: 439879
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3

Manual Integrations
APPROVED

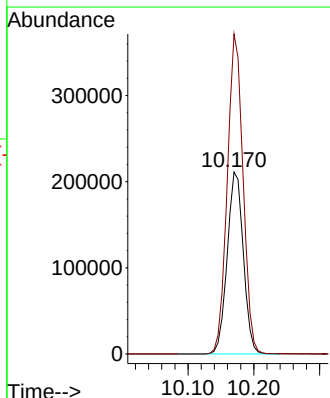
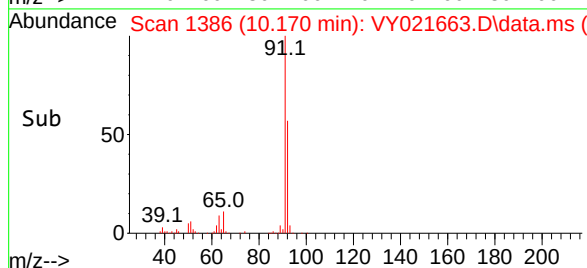
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

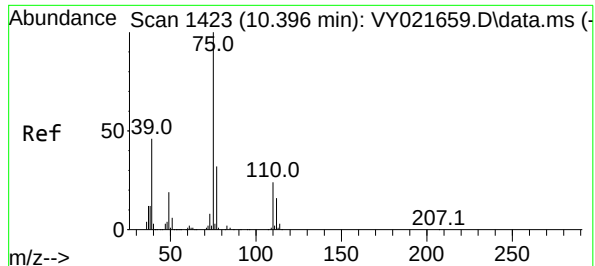


#52
Toluene
Concen: 51.555 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



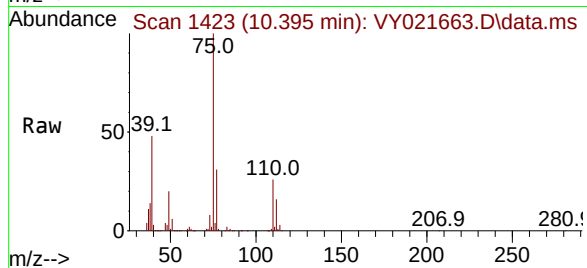
Tgt Ion: 92 Resp: 360002
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 51.152 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

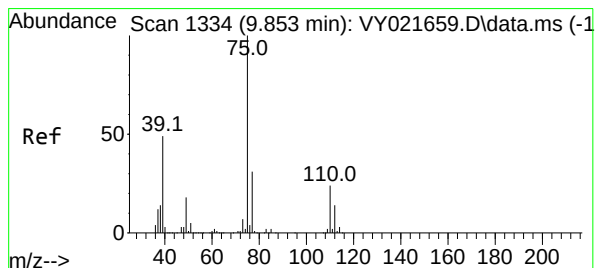
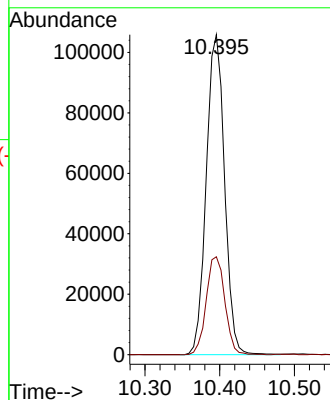
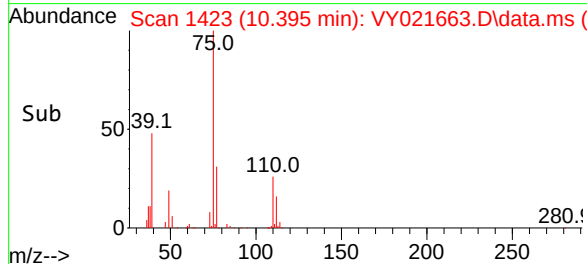
Instrument : MSVOA_Y
ClientSampleId : ICVVY032725



Tgt Ion: 75 Resp: 179752
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9

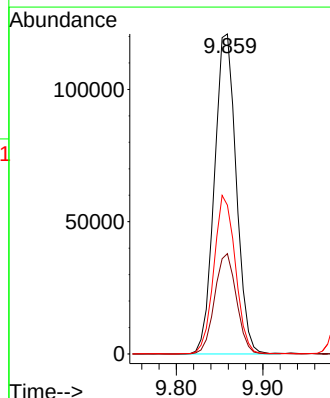
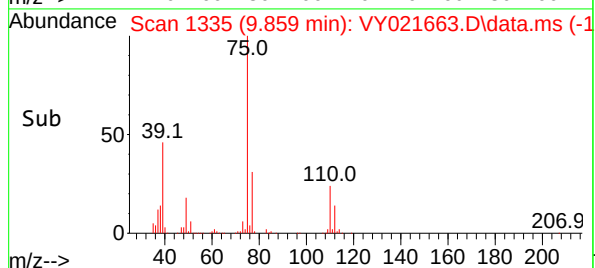
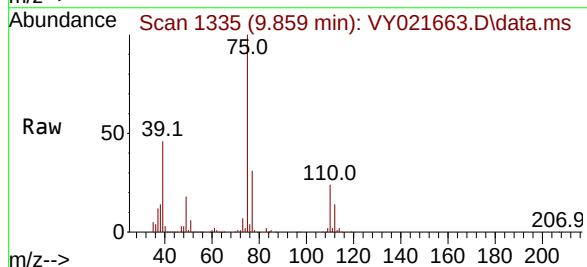
Manual Integrations
APPROVED

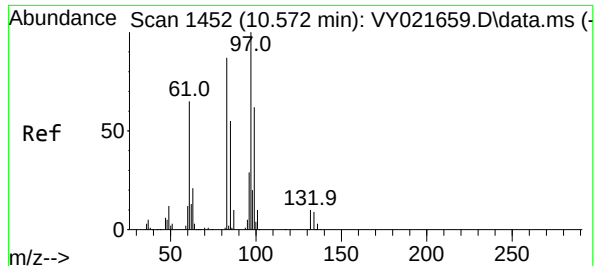
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#54
cis-1,3-Dichloropropene
Concen: 51.154 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

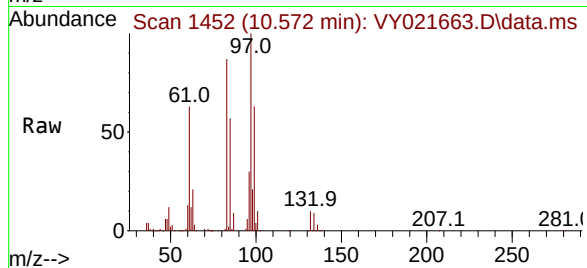
Tgt Ion: 75 Resp: 212066
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 46.4 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 49.656 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

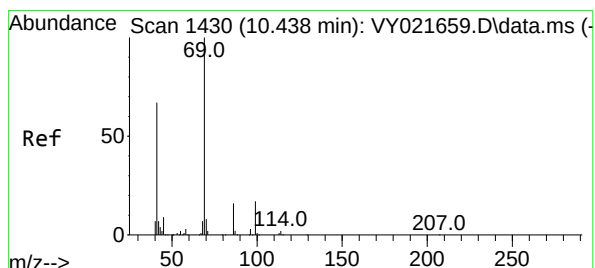
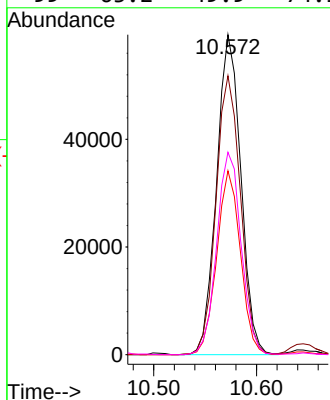
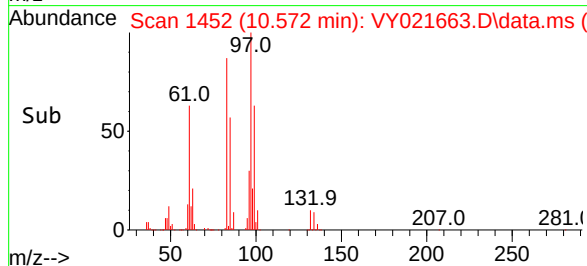
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



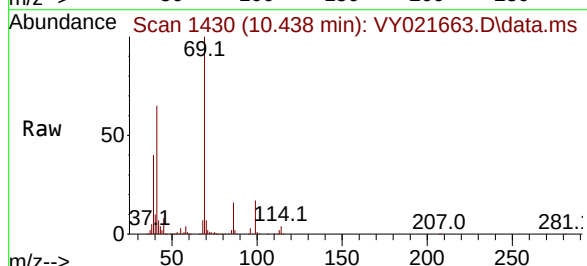
Tgt Ion: 97 Resp: 9756
Ion Ratio Lower Upper
97 100
83 87.1 69.5 104.3
85 57.4 43.9 65.9
99 63.2 49.9 74.9

Manual Integrations
APPROVED

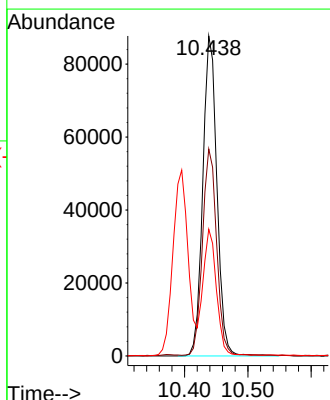
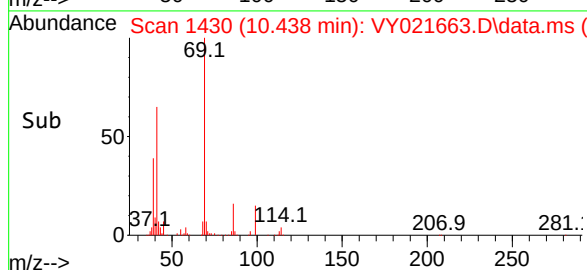
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

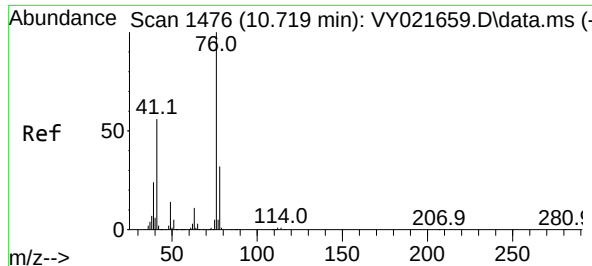


#56
Ethyl methacrylate
Concen: 54.371 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



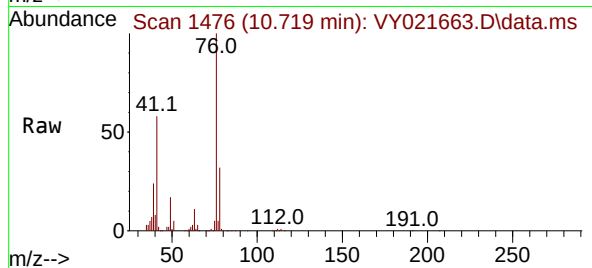
Tgt Ion: 69 Resp: 136411
Ion Ratio Lower Upper
69 100
41 64.4 53.8 80.6
39 37.0 29.6 44.4





#57
1,3-Dichloropropane
Concen: 50.563 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

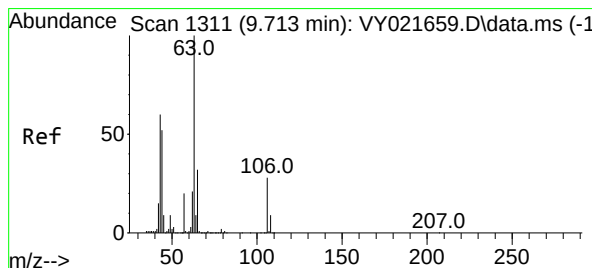
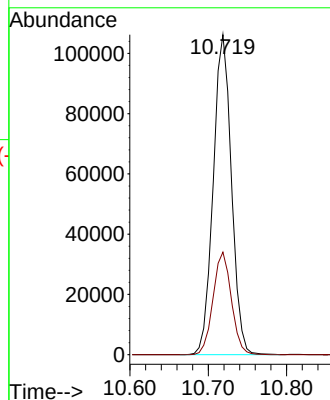
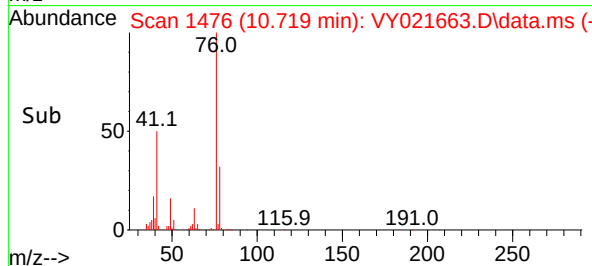
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 76 Resp: 171579
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.8

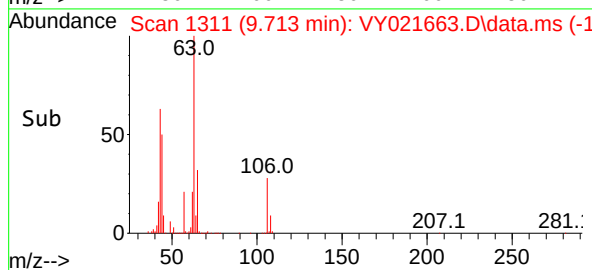
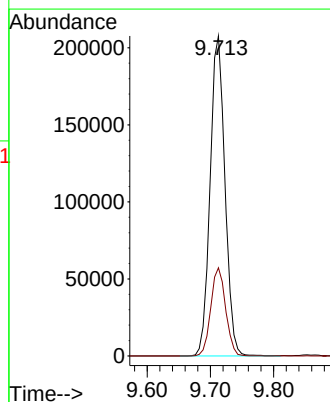
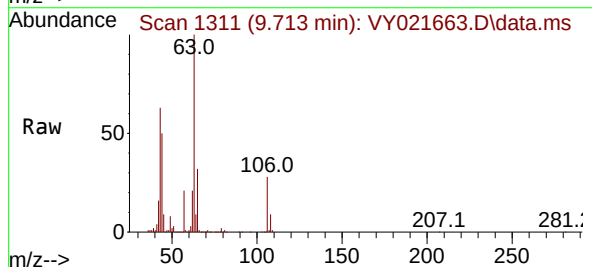
Manual Integrations
APPROVED

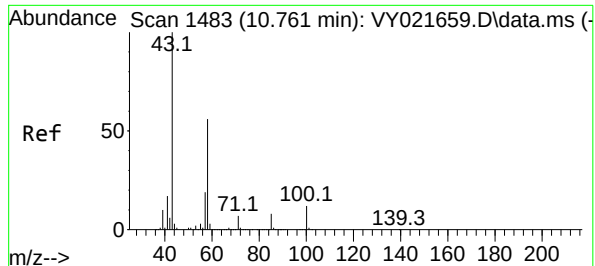
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 276.714 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 338673
Ion Ratio Lower Upper
63 100
106 27.5 22.4 33.6





#59

2-Hexanone

Concen: 255.065 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 43 Resp: 295472

Ion Ratio Lower Upper

43 100

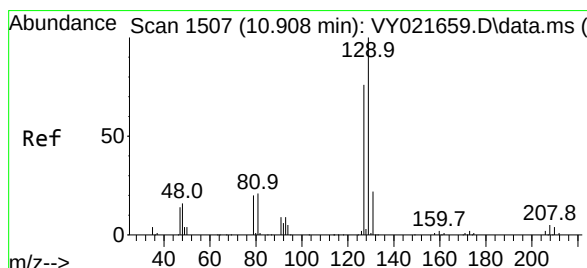
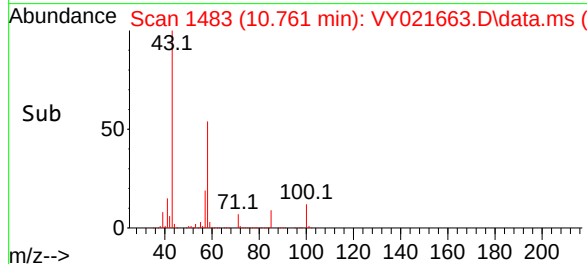
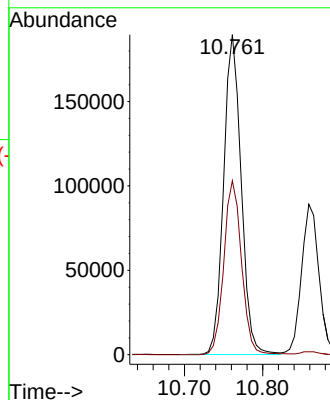
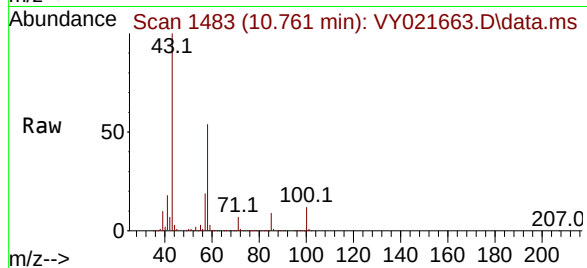
58 55.0 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#60

Dibromochloromethane

Concen: 50.679 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021663.D

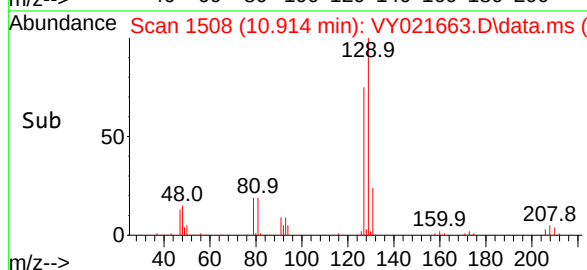
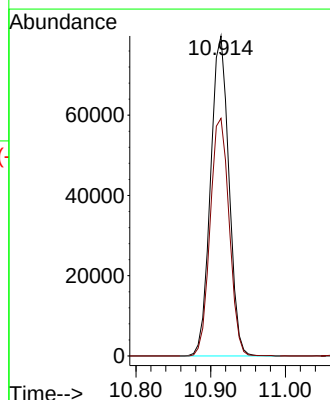
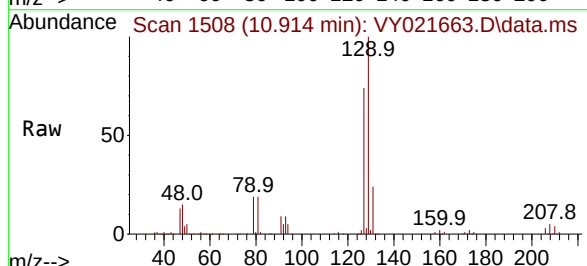
Acq: 27 Mar 2025 13:15

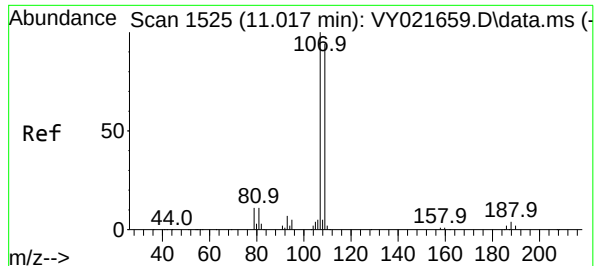
Tgt Ion:129 Resp: 135955

Ion Ratio Lower Upper

129 100

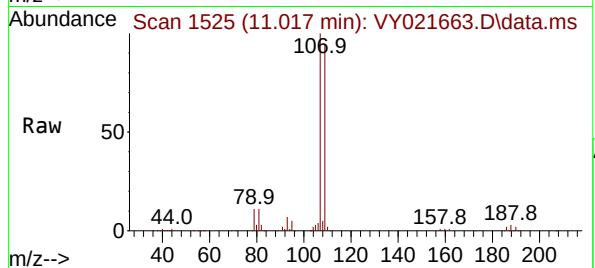
127 76.9 38.6 115.7





#61
1,2-Dibromoethane
Concen: 50.970 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

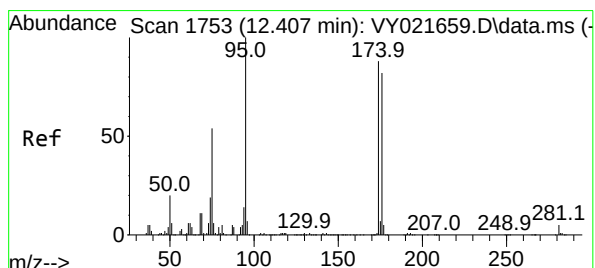
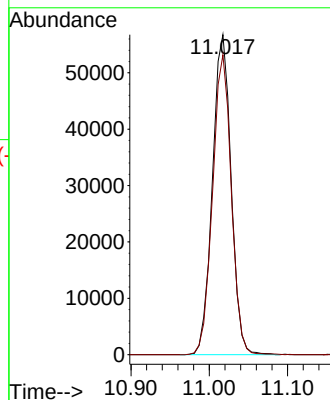
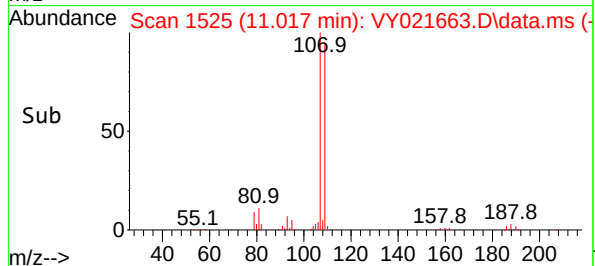
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:107 Resp: 9394
Ion Ratio Lower Upper
107 100
109 94.0 74.4 111.6

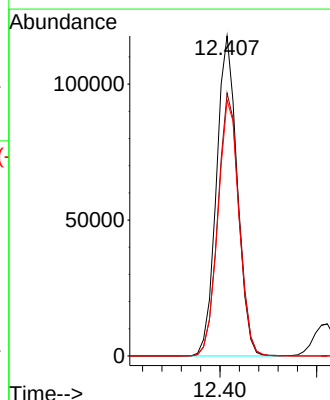
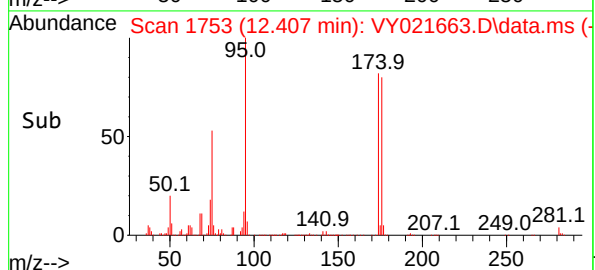
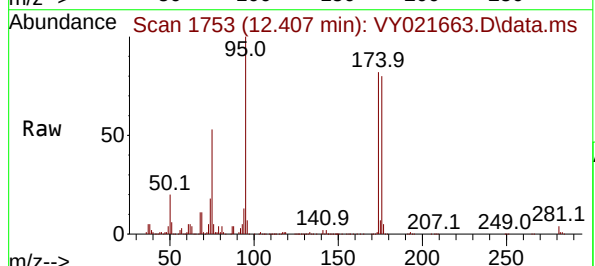
Manual Integrations
APPROVED

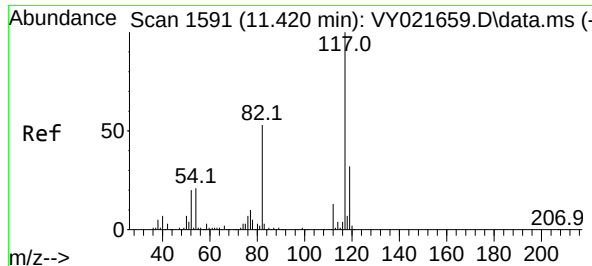
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#62
4-Bromofluorobenzene
Concen: 55.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 95 Resp: 174721
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 81.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021663.D

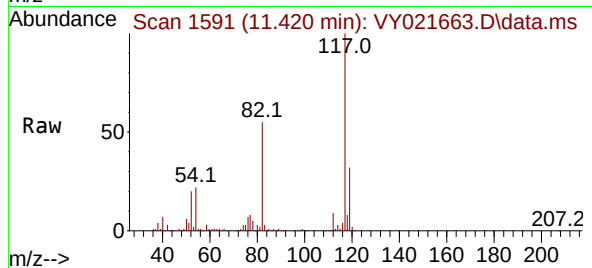
Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725



Tgt Ion:117 Resp: 33506

Ion Ratio Lower Upper

117 100

82 54.9 42.8 64.2

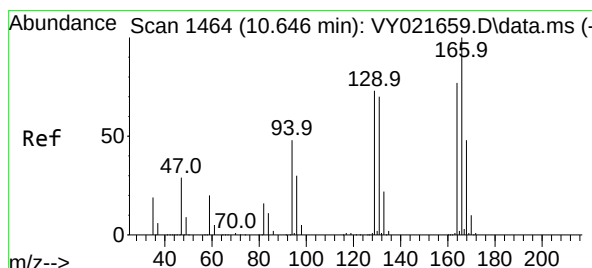
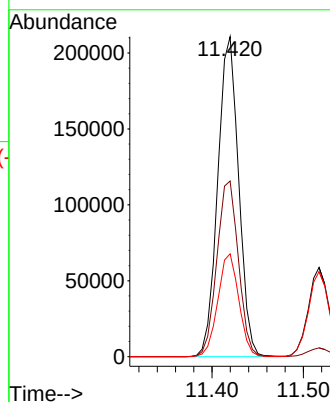
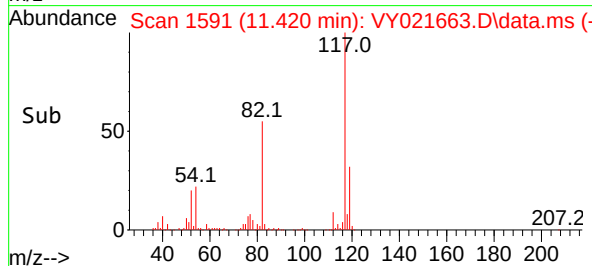
119 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#64

Tetrachloroethene

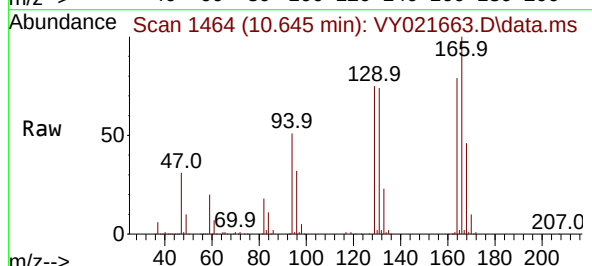
Concen: 47.757 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15



Tgt Ion:164 Resp: 145736

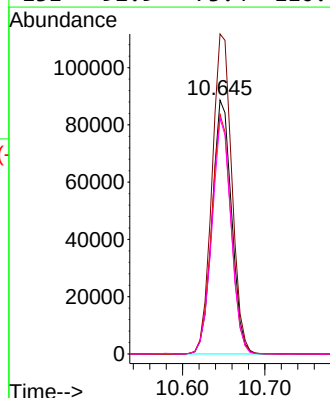
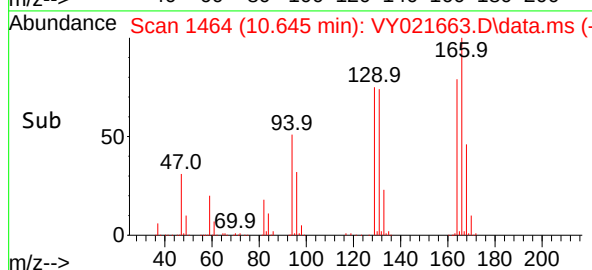
Ion Ratio Lower Upper

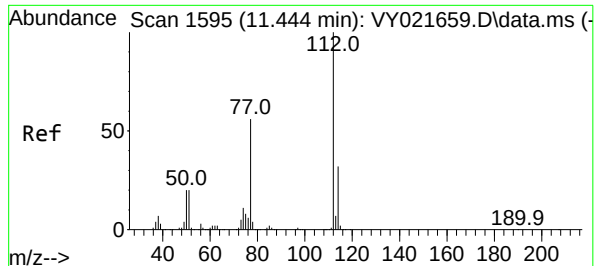
164 100

166 126.1 104.6 156.8

129 94.4 76.6 114.8

131 92.9 73.4 110.0





#65

Chlorobenzene

Concen: 50.384 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion:112 Resp: 38698

Ion Ratio Lower Upper

112 100

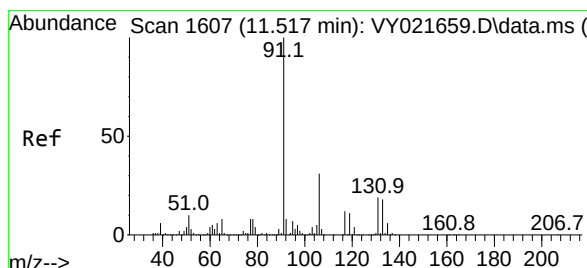
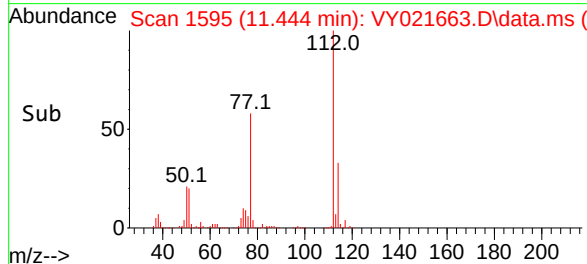
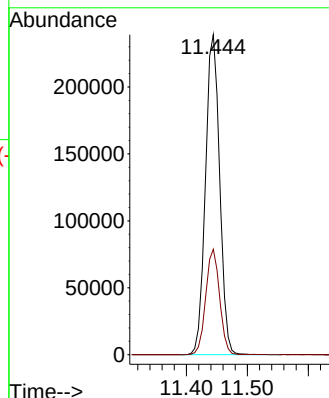
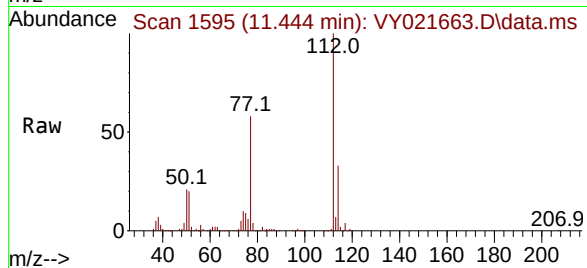
114 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 50.802 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

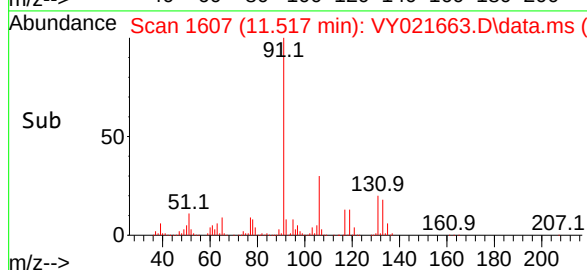
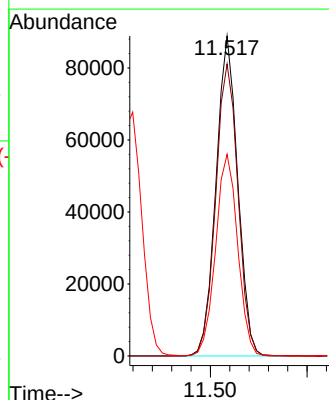
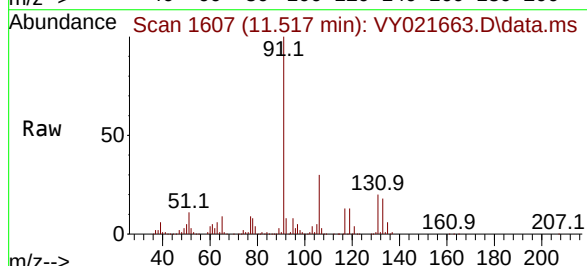
Tgt Ion:131 Resp: 138442

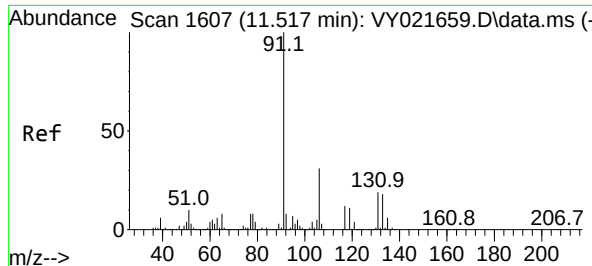
Ion Ratio Lower Upper

131 100

133 93.8 47.3 141.8

119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 52.346 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 91 Resp: 689434

Ion Ratio Lower Upper

91 100

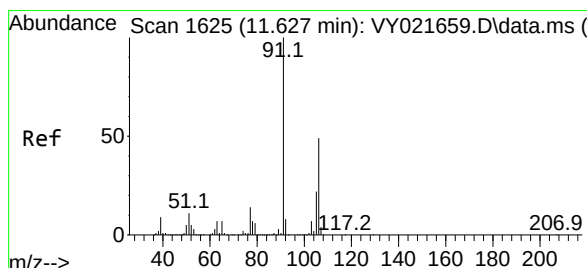
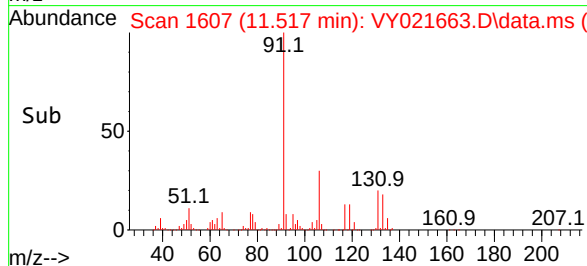
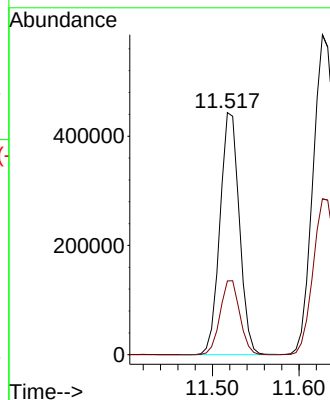
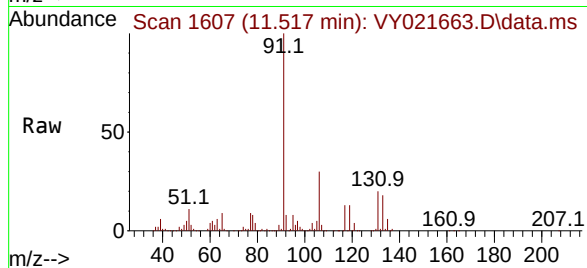
106 30.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#68

m/p-Xylenes

Concen: 105.402 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021663.D

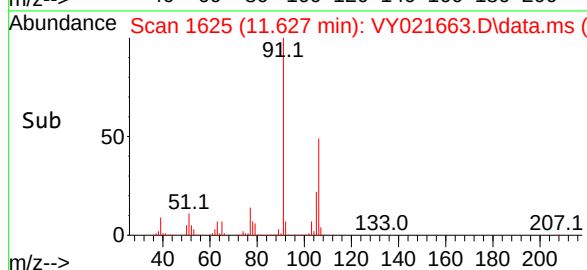
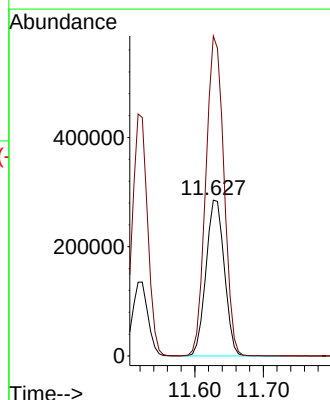
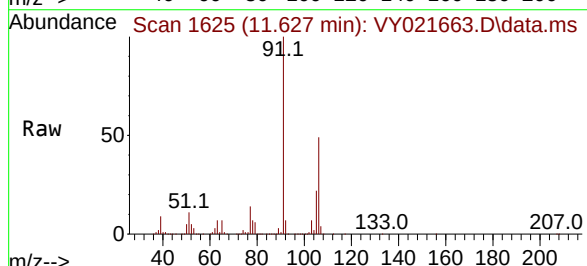
Acq: 27 Mar 2025 13:15

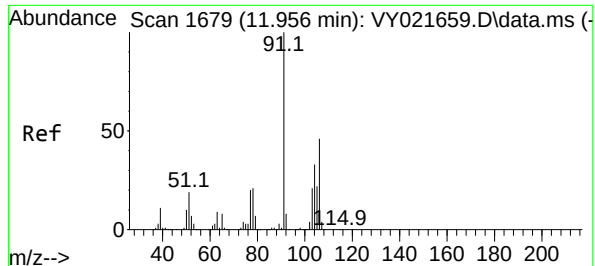
Tgt Ion:106 Resp: 531589

Ion Ratio Lower Upper

106 100

91 202.3 162.4 243.6





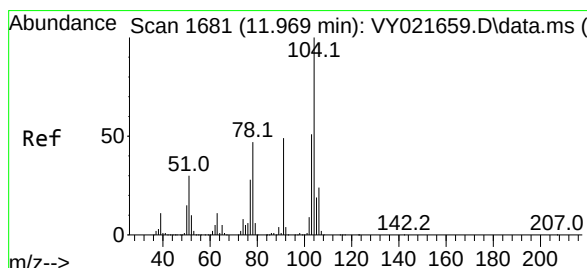
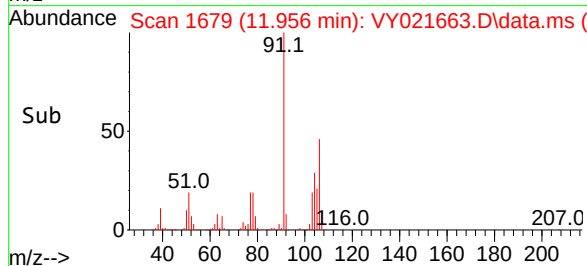
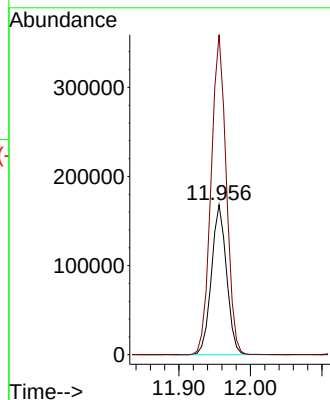
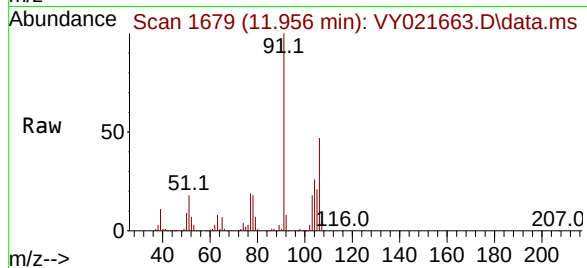
#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Tgt Ion:106 Resp: 24709
Ion Ratio Lower Upper
106 100
91 214.6 106.7 319.9

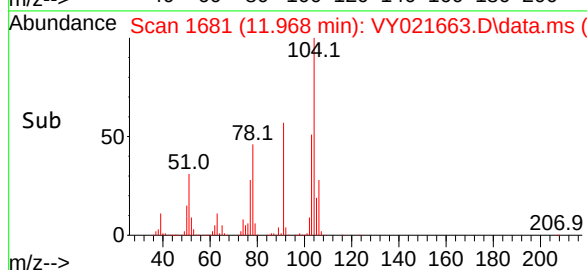
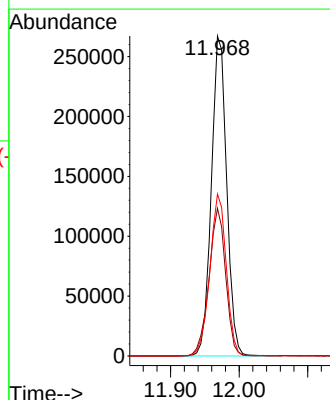
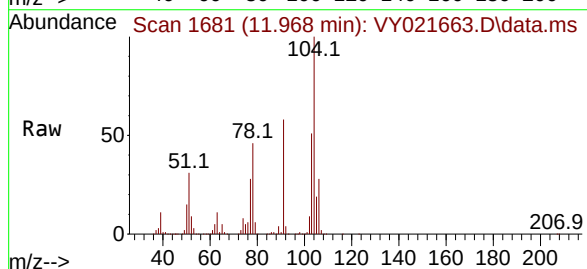
Manual Integrations
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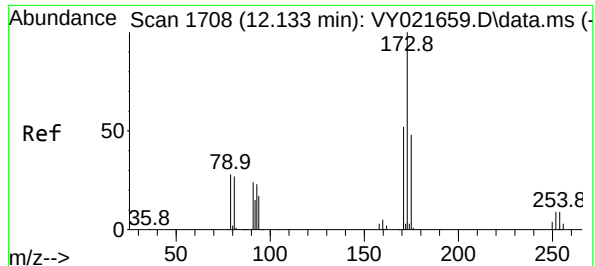
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

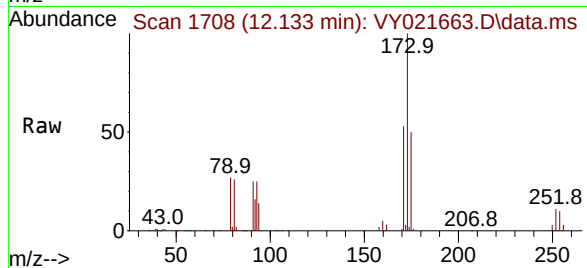
Tgt Ion:104 Resp: 416261
Ion Ratio Lower Upper
104 100
78 50.1 40.8 61.2
103 54.3 44.2 66.2





#71
Bromoform
Concen: 50.778 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

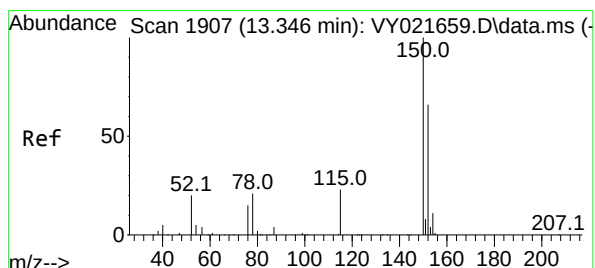
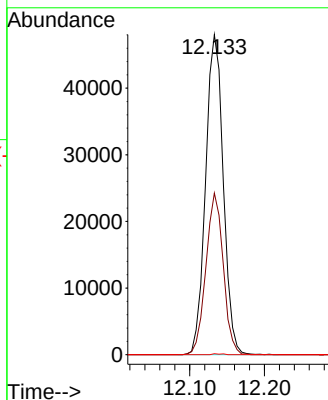
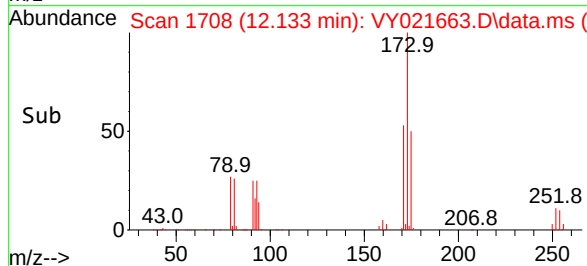
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



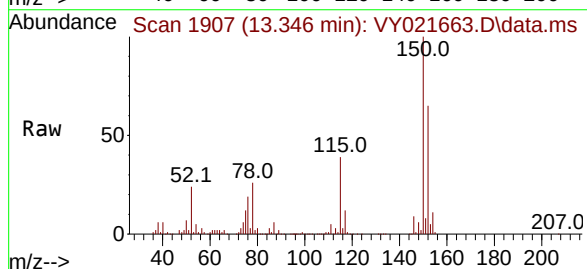
Tgt Ion:173 Resp: 78932
Ion Ratio Lower Upper
173 100
175 49.5 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
APPROVED

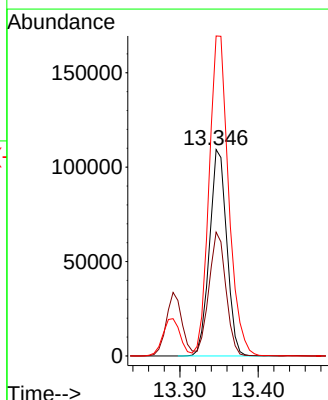
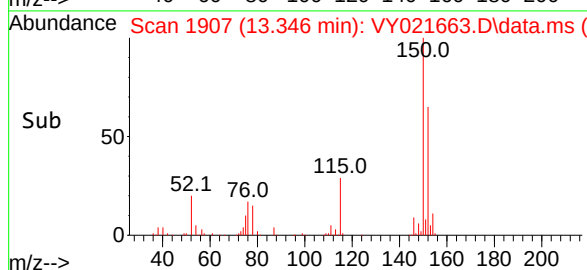
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

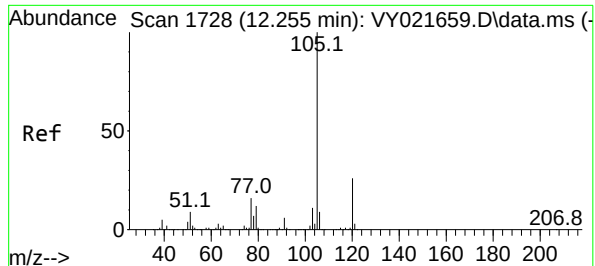


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



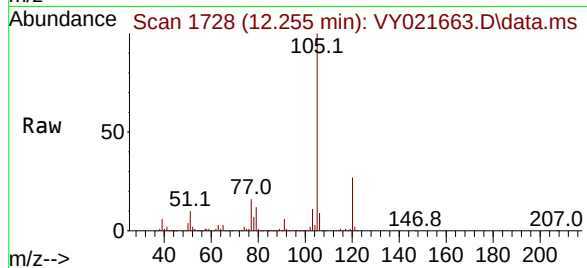
Tgt Ion:152 Resp: 166949
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 175.8 0.0 348.4





#73
Isopropylbenzene
Concen: 52.705 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

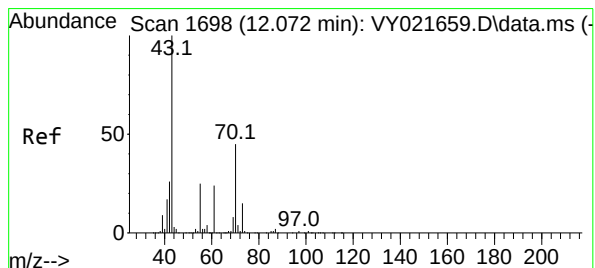
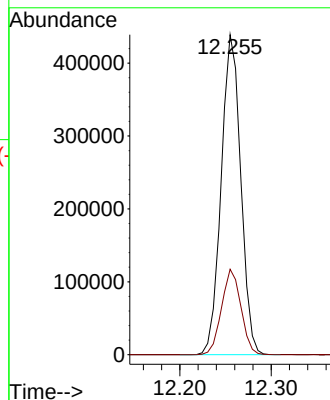
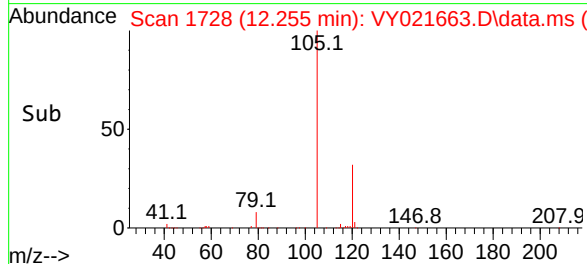
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 105 Resp: 65354
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

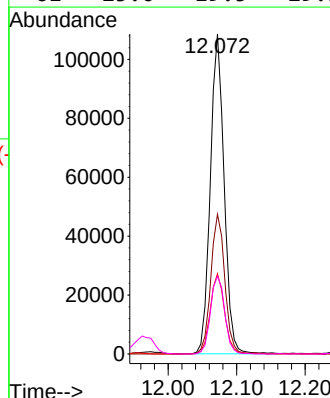
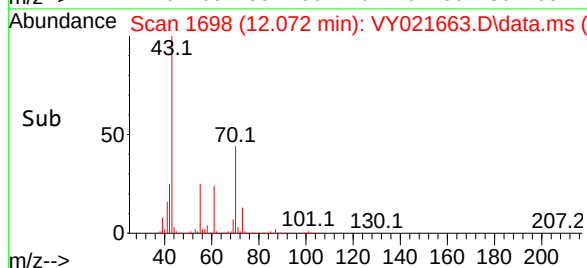
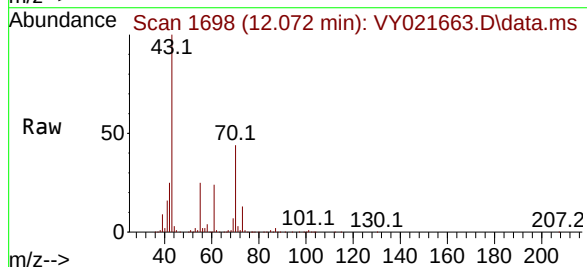
Manual Integrations
APPROVED

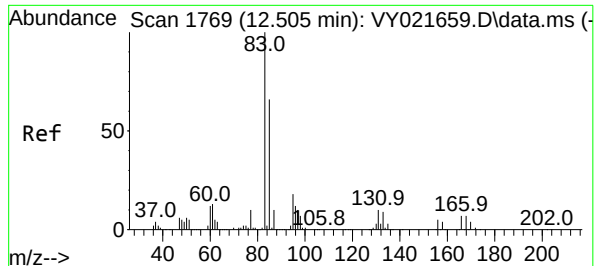
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 52.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 152268
Ion Ratio Lower Upper
43 100
70 44.6 34.7 52.1
55 26.0 21.2 31.8
61 25.0 19.5 29.3





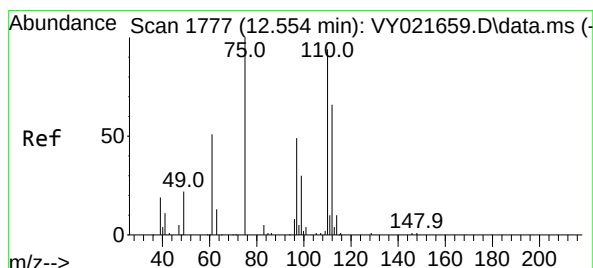
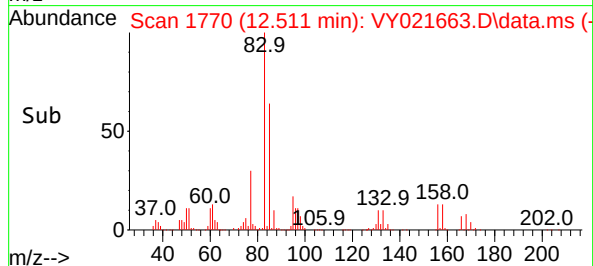
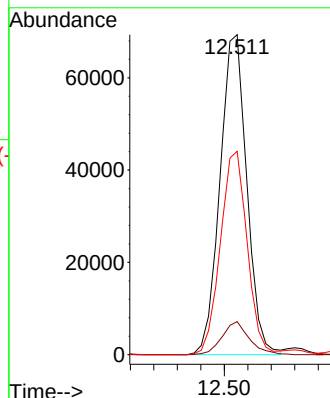
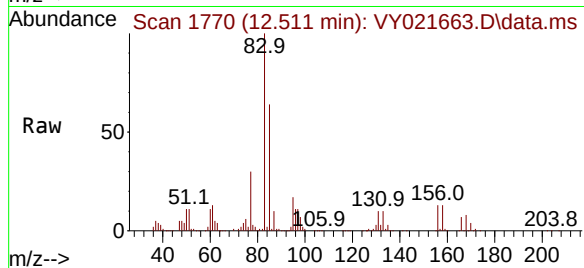
#75
1,1,2,2-Tetrachloroethane
Concen: 49.266 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Tgt Ion: 83 Resp: 10983
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 63.6 32.3 96.8

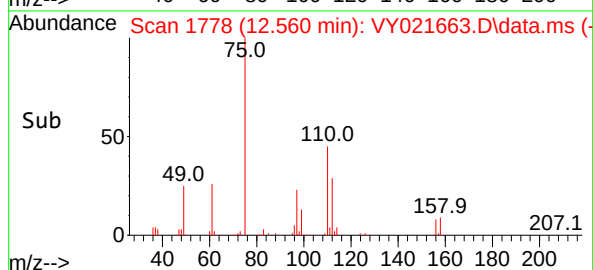
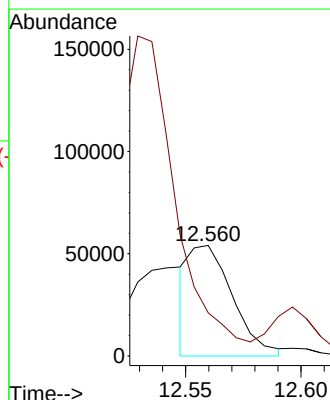
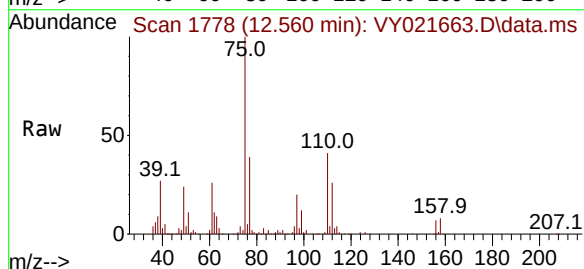
Manual Integrations
APPROVED

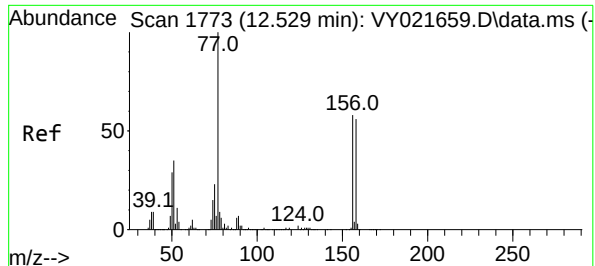
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 42.688 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 70644
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.125 ug/l

RT: 12.535 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

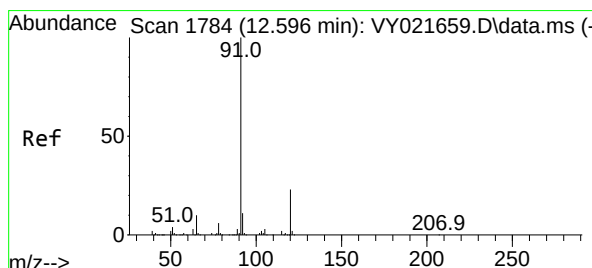
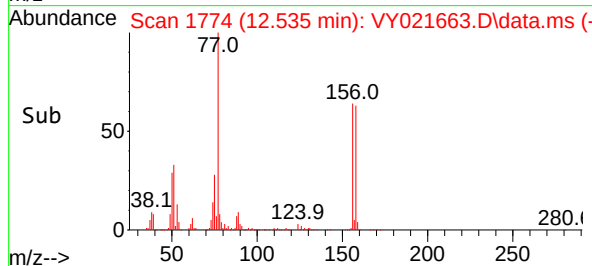
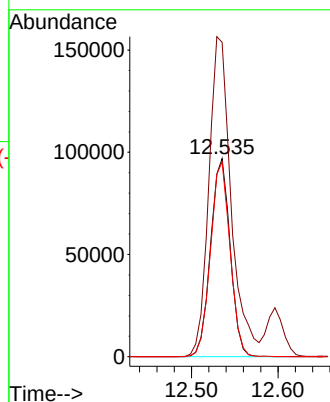
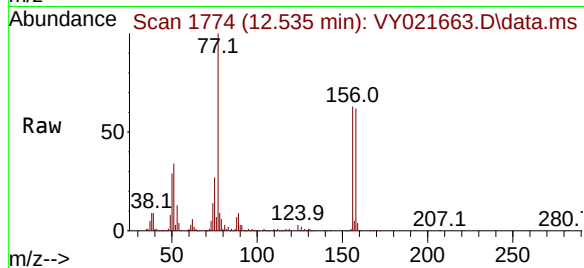
ICVVY032725

Tgt Ion:	156	Resp:	15221
Ion Ratio	Lower	Upper	
156	100		
77	184.2	92.8	278.3
158	98.1	48.5	145.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78

n-propylbenzene

Concen: 53.182 ug/l

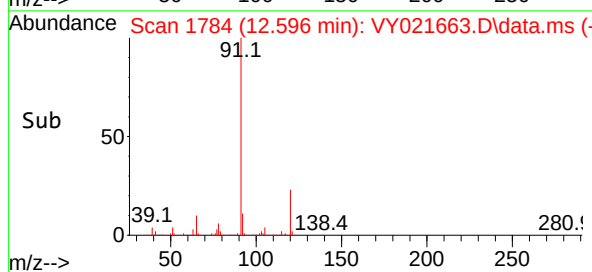
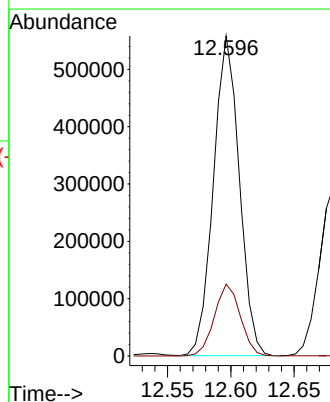
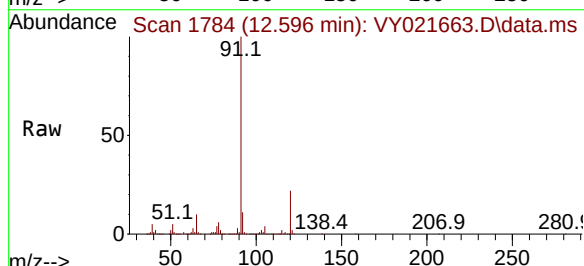
RT: 12.596 min Scan# 1784

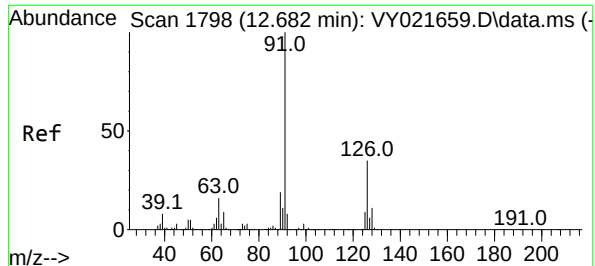
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	91	Resp:	792814
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 51.671 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 91 Resp: 447402

Ion Ratio Lower Upper

91 100

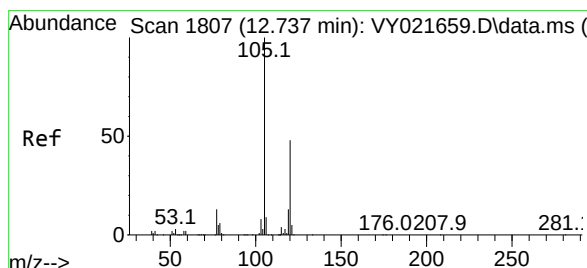
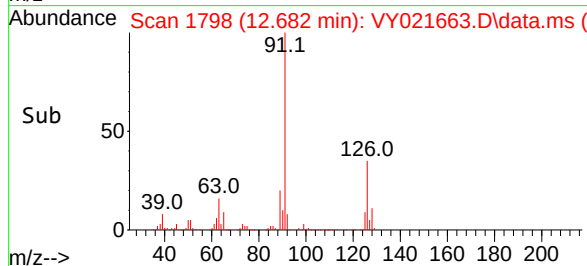
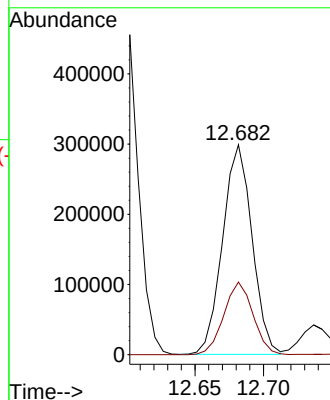
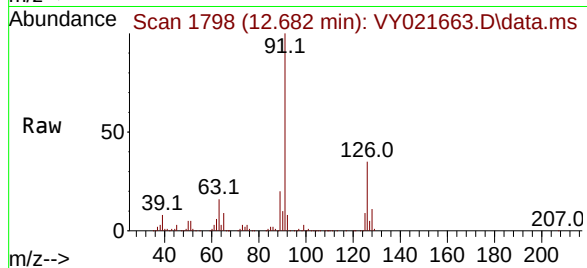
126 34.3 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.236 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021663.D

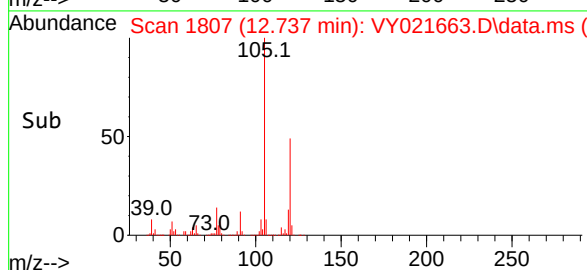
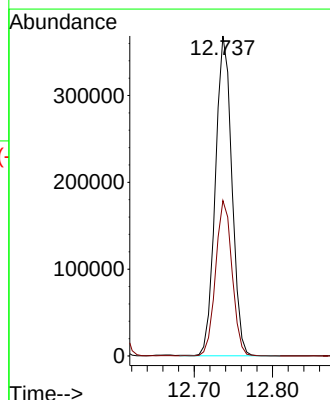
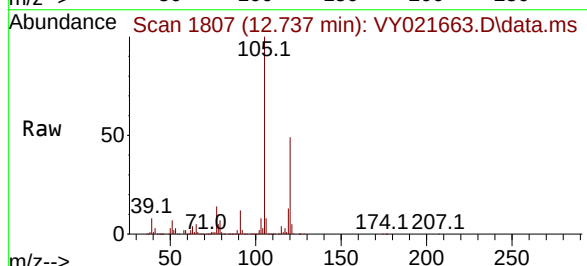
Acq: 27 Mar 2025 13:15

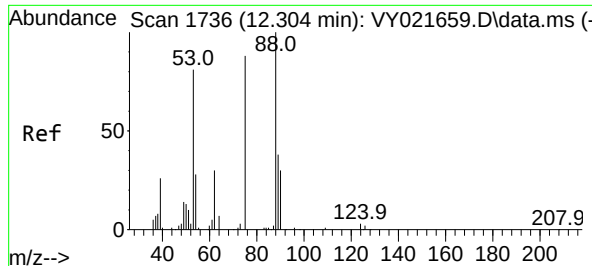
Tgt Ion:105 Resp: 539512

Ion Ratio Lower Upper

105 100

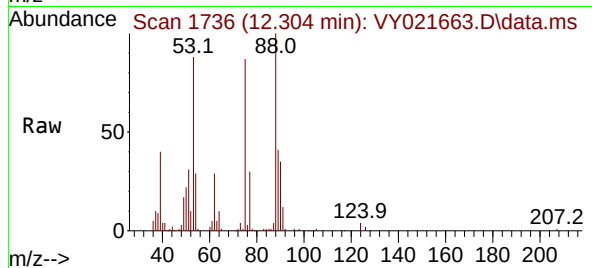
120 48.4 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

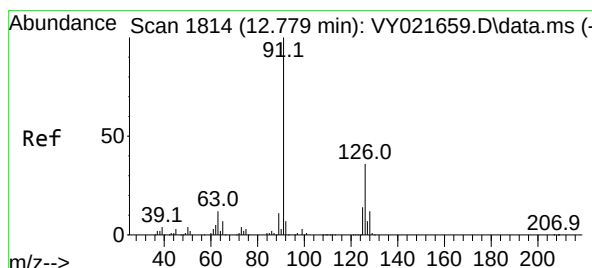
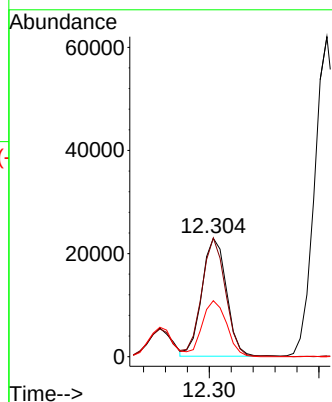
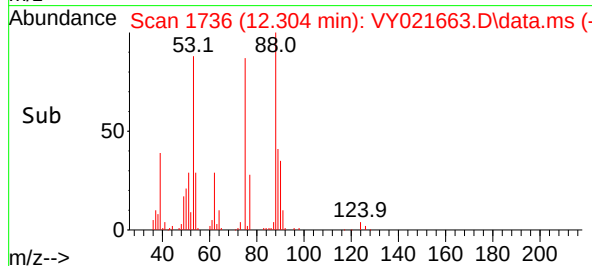
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 75 Resp: 3554
Ion Ratio Lower Upper
75 100
53 98.7 76.1 114.1
89 47.3 36.2 54.4

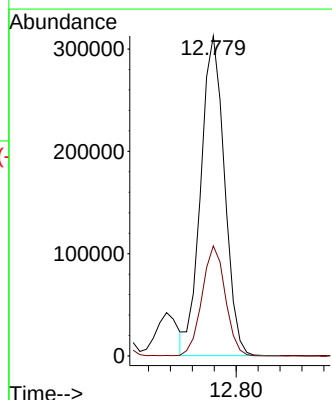
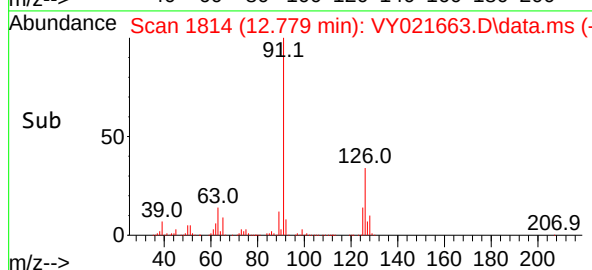
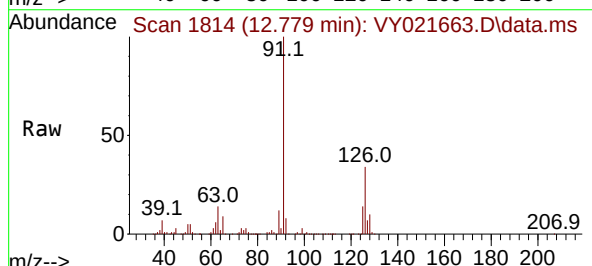
Manual Integrations
APPROVED

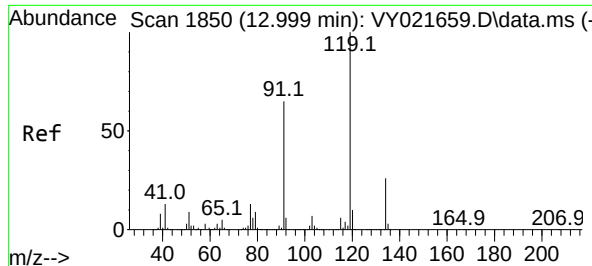
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 469122
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 52.616 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

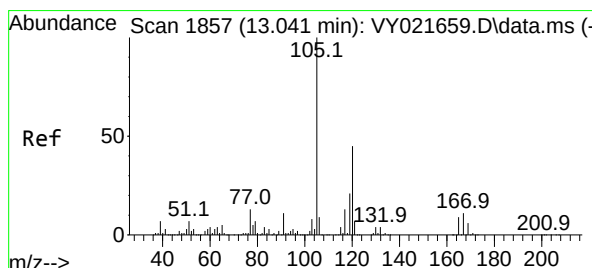
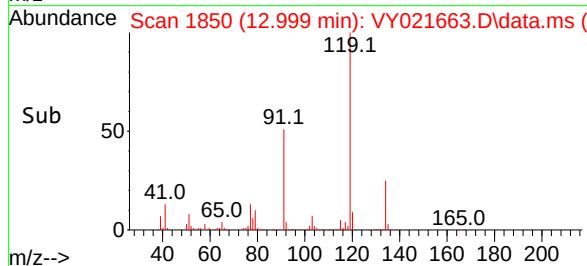
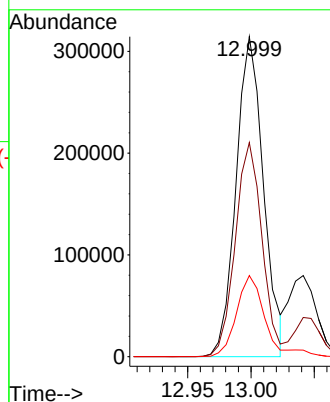
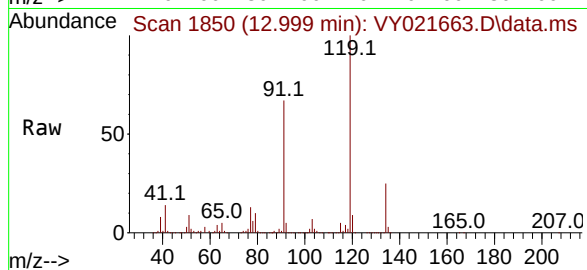
ICVVY032725

Tgt Ion:	119	Resp:	47494
Ion Ratio	Lower	Upper	
119	100		
91	65.1	32.6	97.7
134	26.5	13.2	39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 53.454 ug/l

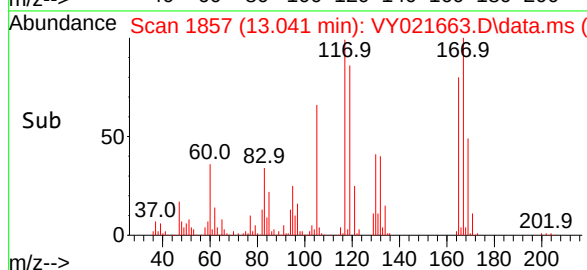
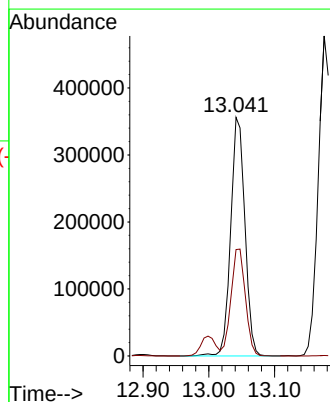
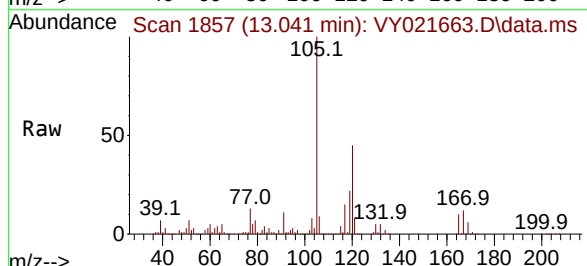
RT: 13.041 min Scan# 1857

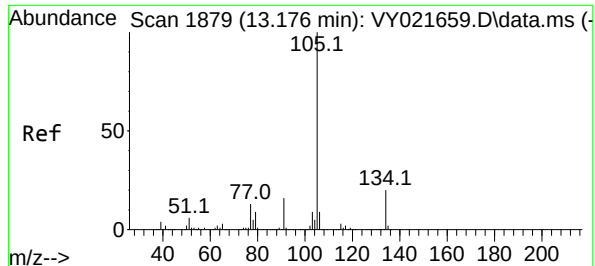
Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	105	Resp:	535411
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 52.471 ug/l

RT: 13.175 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion:105 Resp: 692180

Ion Ratio Lower Upper

105 100

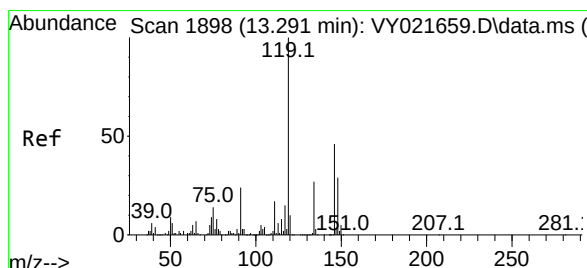
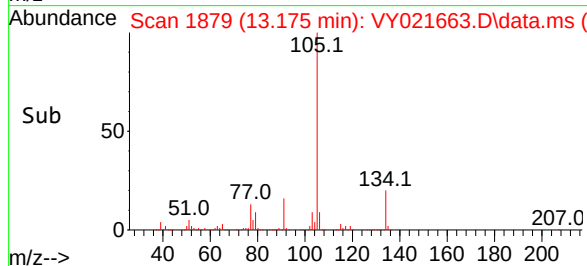
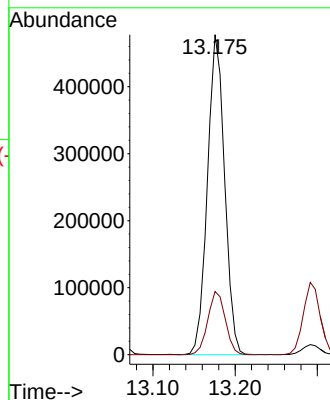
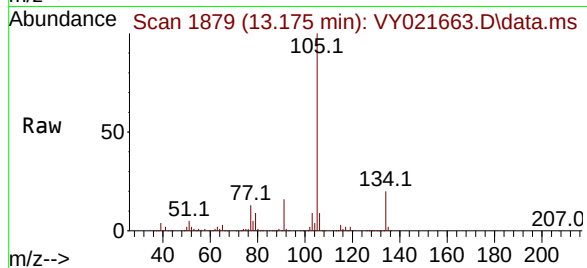
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#86

p-Isopropyltoluene

Concen: 53.479 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

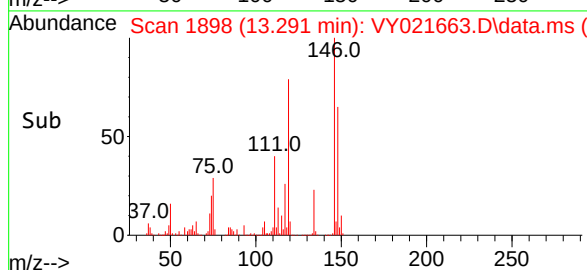
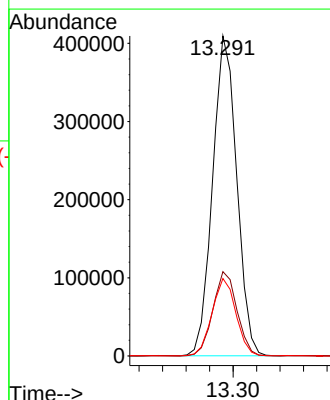
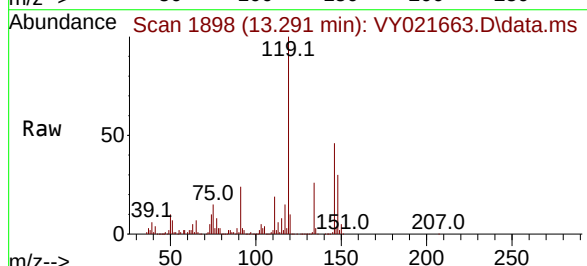
Tgt Ion:119 Resp: 583069

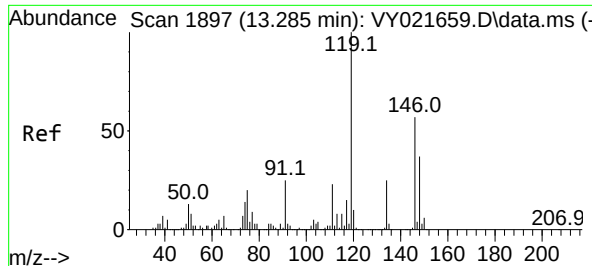
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 50.987 ug/l

RT: 13.291 min Scan# 1897

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

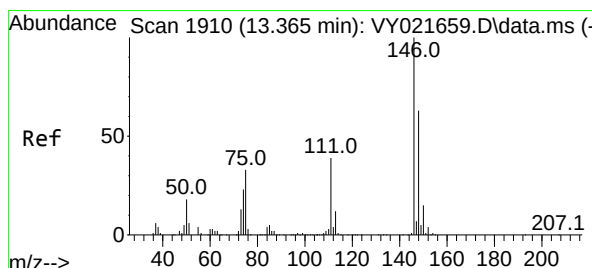
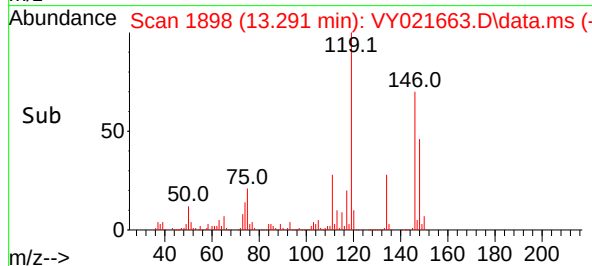
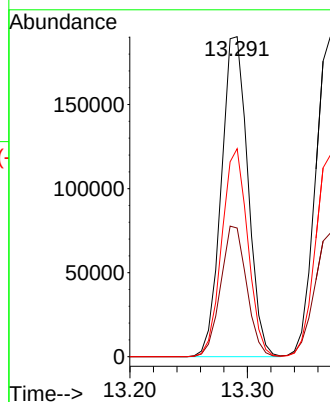
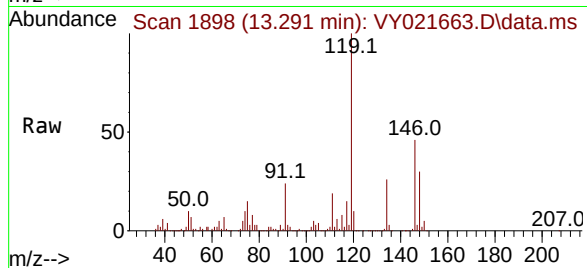
ICVY032725

Tgt Ion:	146	Resp:	29907
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	60.0
148	63.5	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#88

1,4-Dichlorobenzene

Concen: 49.741 ug/l

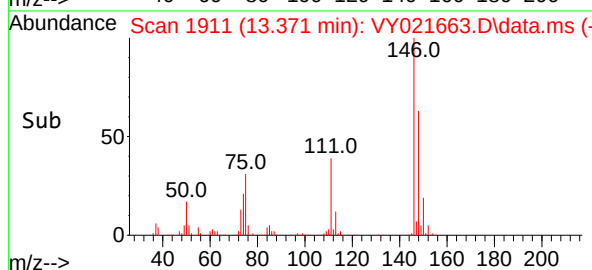
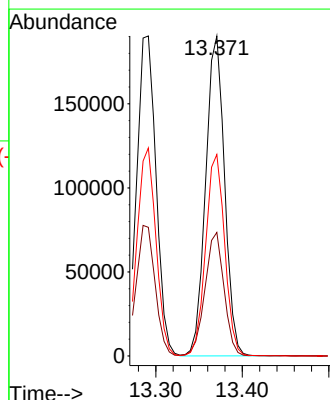
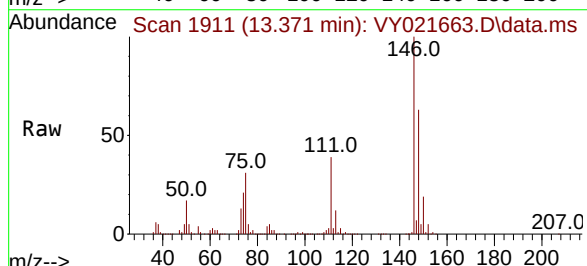
RT: 13.371 min Scan# 1911

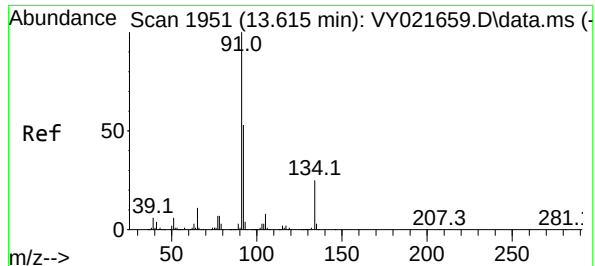
Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion:	146	Resp:	288264
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.1	57.1
148	63.7	31.5	94.5





#89

n-Butylbenzene

Concen: 52.927 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

Tgt Ion: 91 Resp: 53366

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

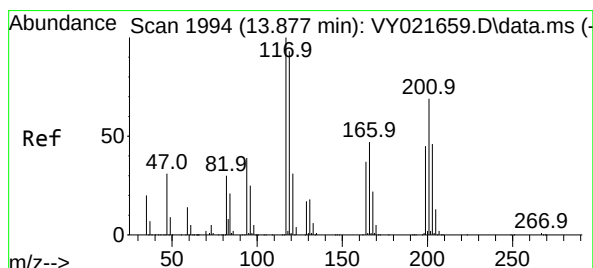
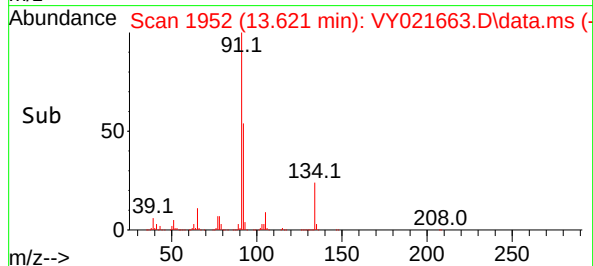
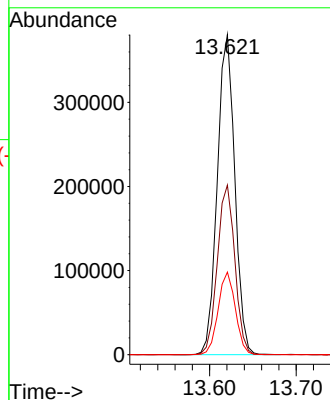
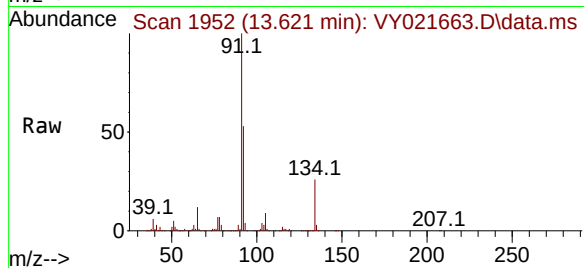
134 25.4 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#90

Hexachloroethane

Concen: 50.454 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021663.D

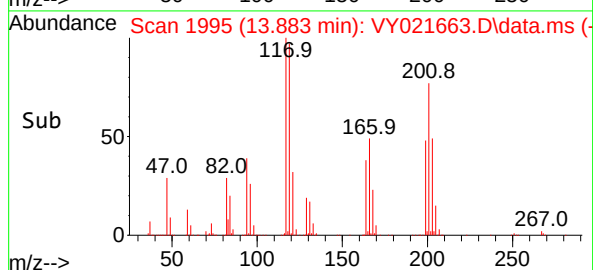
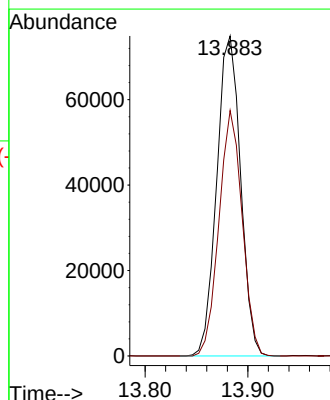
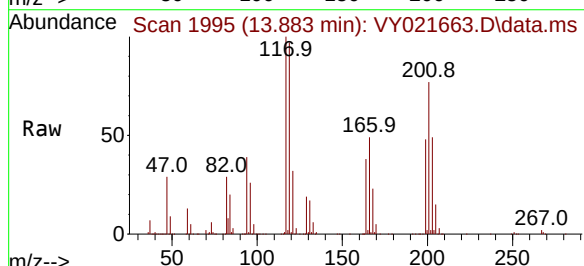
Acq: 27 Mar 2025 13:15

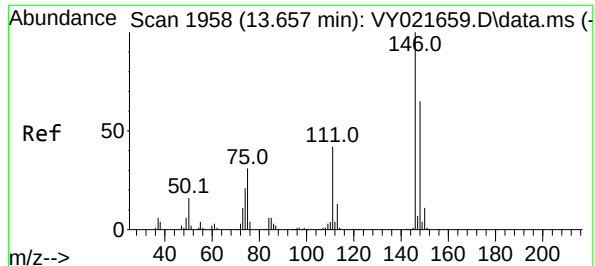
Tgt Ion:117 Resp: 120546

Ion Ratio Lower Upper

117 100

201 74.7 37.4 112.1





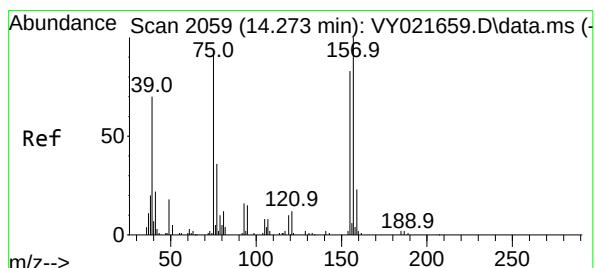
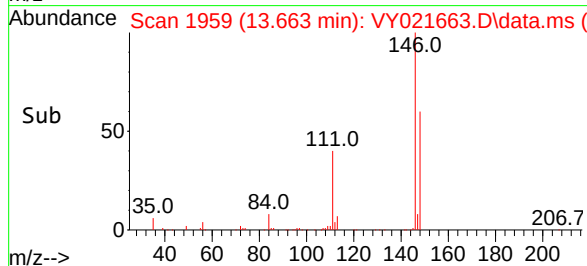
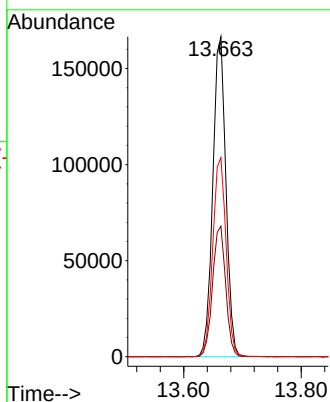
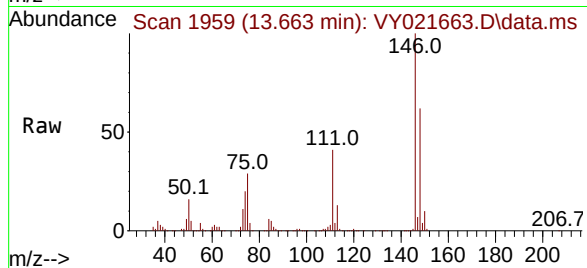
#91
1,2-Dichlorobenzene
Concen: 50.346 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Tgt Ion:146 Resp: 25707
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 63.6 32.3 96.9

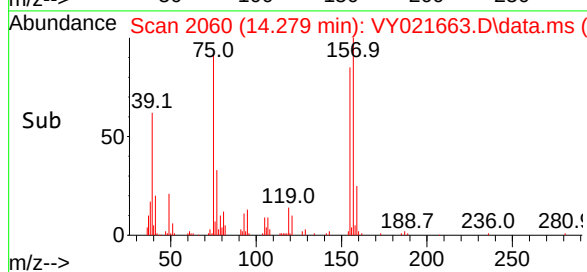
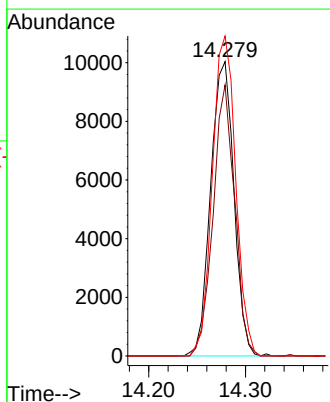
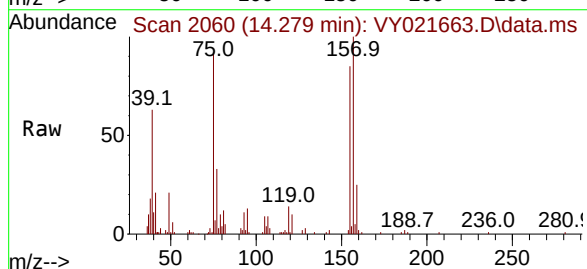
Manual Integrations
APPROVED

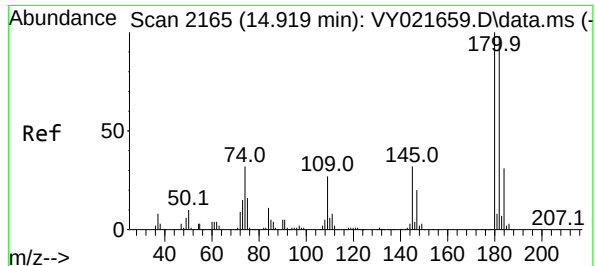
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.476 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 16750
Ion Ratio Lower Upper
75 100
155 85.3 43.0 128.8
157 109.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 51.429 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021663.D

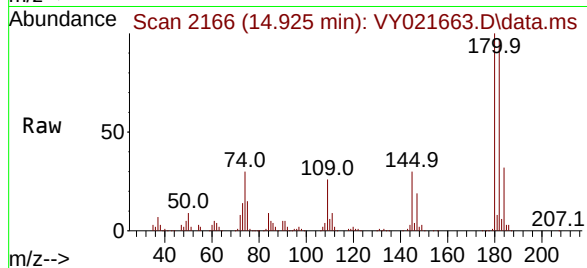
Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

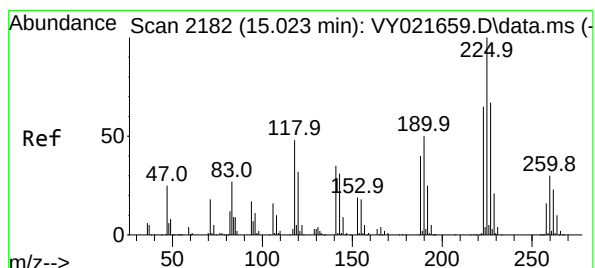
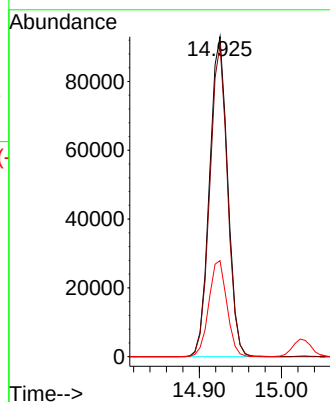
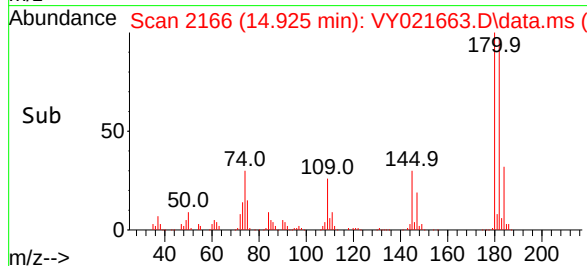


Tgt Ion:	180	Resp:	142409
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.5	142.6
145	30.0	14.9	44.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#94

Hexachlorobutadiene

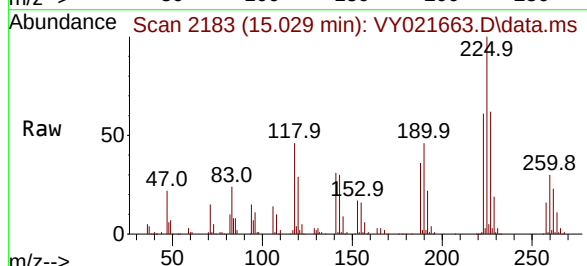
Concen: 50.245 ug/l

RT: 15.029 min Scan# 2183

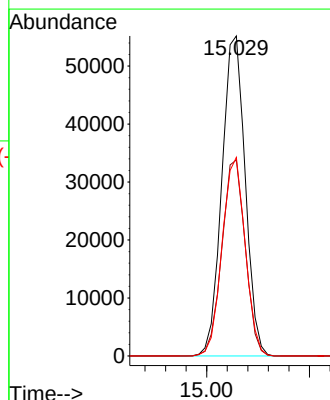
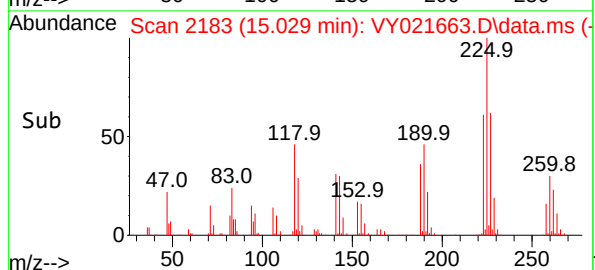
Delta R.T. 0.006 min

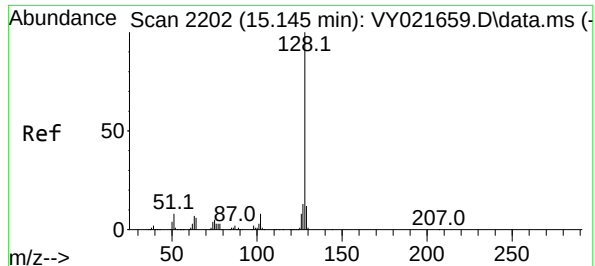
Lab File: VY021663.D

Acq: 27 Mar 2025 13:15



Tgt Ion:	225	Resp:	86891
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.9	95.7
227	61.4	32.4	97.0





#95

Naphthalene

Concen: 51.759 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

Tgt Ion:128 Resp: 23756

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

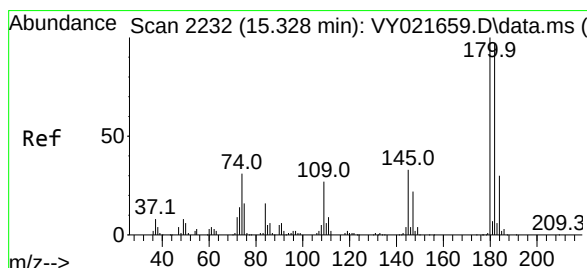
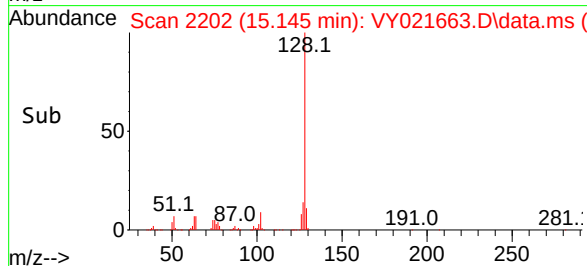
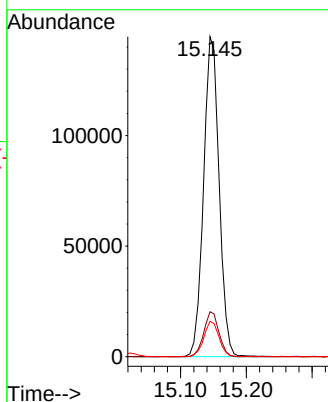
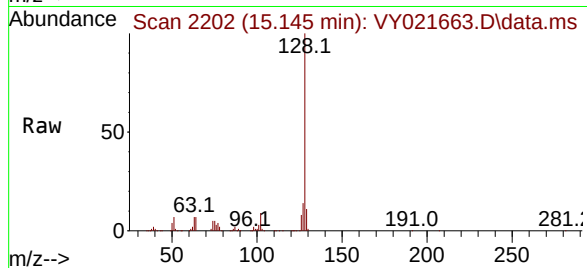
129 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 50.640 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

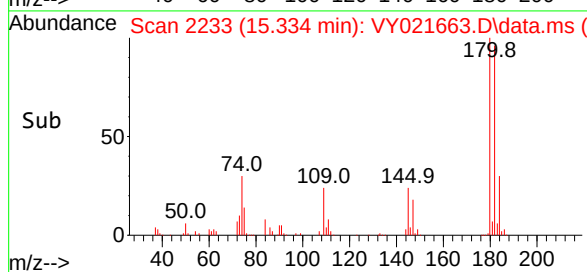
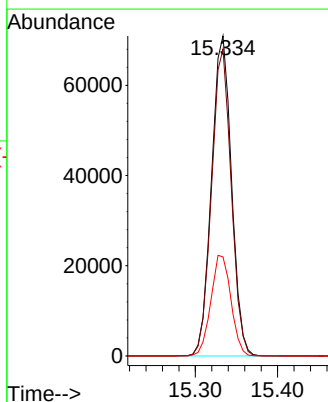
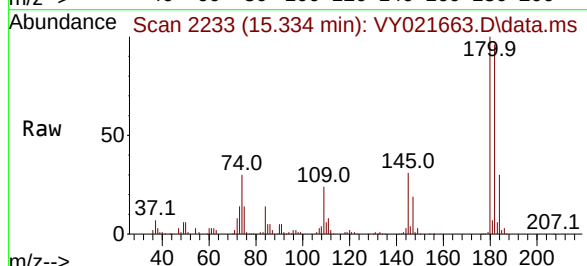
Tgt Ion:180 Resp: 119575

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.5

145 31.7 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2 T	Dichlorodifluoromethane	0.518	0.504	2.7	101	0.00
3 P	Chloromethane	0.729	0.740	-1.5	108	0.00
4 C	Vinyl Chloride	0.824	0.804	2.4#	102	0.00
5 T	Bromomethane	0.562	0.554	1.4	109	0.00
6 T	Chloroethane	0.539	0.546	-1.3	108	0.00
7 T	Trichlorofluoromethane	1.056	1.098	-4.0	110	0.00
8 T	Diethyl Ether	0.287	0.297	-3.5	109	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.537	3.6	101	0.00
10 T	Methyl Iodide	0.611	0.597	2.3	92	0.00
11 T	Tert butyl alcohol	0.035	0.034	2.9	101	0.00
12 CM	1,1-Dichloroethene	0.524	0.514	1.9#	101	0.00
13 T	Acrolein	0.064	0.064	0.0	103	0.00
14 T	Allyl chloride	0.836	0.843	-0.8	102	0.00
15 T	Acrylonitrile	0.120	0.118	1.7	99	0.00
16 T	Acetone	0.111	0.104	6.3	98	0.00
17 T	Carbon Disulfide	1.727	1.708	1.1	102	0.00
18 T	Methyl Acetate	0.275	0.268	2.5	102	0.00
19 T	Methyl tert-butyl Ether	1.306	1.320	-1.1	101	0.00
20 T	Methylene Chloride	0.626	0.578	7.7	104	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.580	-0.5	104	0.00
22 T	Diisopropyl ether	1.754	1.799	-2.6	101	0.00
23 T	Vinyl Acetate	1.026	1.053	-2.6	100	0.00
24 P	1,1-Dichloroethane	1.049	1.049	0.0	102	0.00
25 T	2-Butanone	0.158	0.153	3.2	97	0.00
26 T	2,2-Dichloropropane	0.933	0.916	1.8	101	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.660	-1.7	102	0.00
28 T	Bromochloromethane	0.442	0.446	-0.9	106	0.00
29 T	Tetrahydrofuran	0.102	0.101	1.0	97	0.00
30 C	Chloroform	1.091	1.080	1.0#	101	0.00
31 T	Cyclohexane	0.956	0.915	4.3	101	0.00
32 T	1,1,1-Trichloroethane	0.986	0.973	1.3	102	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.569	-5.0	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35 S	Dibromofluoromethane	0.324	0.352	-8.6	106	0.00
36 T	1,1-Dichloropropene	0.494	0.497	-0.6	101	0.00
37 T	Ethyl Acetate	0.233	0.229	1.7	99	0.00
38 T	Carbon Tetrachloride	0.566	0.564	0.4	102	0.00
39 T	Methylcyclohexane	0.590	0.612	-3.7	101	0.00
40 TM	Benzene	1.479	1.496	-1.1	102	0.00
41 T	Methacrylonitrile	0.124	0.118	4.8	88	-0.01
42 TM	1,2-Dichloroethane	0.417	0.413	1.0	101	0.00
43 T	Isopropyl Acetate	0.442	0.443	-0.2	100	0.00
44 TM	Trichloroethene	0.377	0.376	0.3	103	0.00
45 C	1,2-Dichloropropane	0.350	0.351	-0.3#	102	0.00
46 T	Dibromomethane	0.202	0.202	0.0	104	0.00
47 T	Bromodichloromethane	0.523	0.529	-1.1	103	0.00
48 T	Methyl methacrylate	0.203	0.211	-3.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	100	0.00
50 S	Toluene-d8	1.234	1.360	-10.2	107	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.233	-1.3	99	0.00
52 CM	Toluene	0.923	0.952	-3.1#	102	0.00
53 T	t-1,3-Dichloropropene	0.465	0.475	-2.2	100	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.561	-2.4	101	0.00
55 T	1,1,2-Trichloroethane	0.260	0.258	0.8	101	0.00
56 T	Ethyl methacrylate	0.332	0.361	-8.7	101	0.00
57 T	1,3-Dichloropropane	0.449	0.454	-1.1	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.179	-10.5	102	0.00
59 T	2-Hexanone	0.153	0.156	-2.0	98	0.00
60 T	Dibromochloromethane	0.355	0.359	-1.1	101	0.00
61 T	1,2-Dibromoethane	0.244	0.248	-1.6	100	0.00
62 S	4-Bromofluorobenzene	0.417	0.462	-10.8	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.455	0.435	4.4	98	0.00
65 PM	Chlorobenzene	1.146	1.155	-0.8	102	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.413	-1.5	102	0.00
67 C	Ethyl Benzene	1.965	2.058	-4.7#	102	0.00
68 T	m/p-Xylenes	0.753	0.793	-5.3	102	0.00
69 T	o-Xylene	0.695	0.737	-6.0	102	0.00
70 T	Styrene	1.158	1.242	-7.3	102	0.00
71 P	Bromoform	0.232	0.236	-1.7	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.714	3.915	-5.4	102	0.00
74 T	N-amyl acetate	0.872	0.912	-4.6	99	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.658	1.5	100	0.00
76 T	1,2,3-Trichloropropane	0.496	0.423	14.7	84	0.00
77 T	Bromobenzene	0.892	0.912	-2.2	102	0.00
78 T	n-propylbenzene	4.465	4.749	-6.4	102	0.00
79 T	2-Chlorotoluene	2.593	2.680	-3.4	101	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.232	-6.5	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.213	0.9	95	0.00
82 T	4-Chlorotoluene	2.704	2.810	-3.9	101	0.00
83 T	tert-Butylbenzene	2.703	2.845	-5.3	101	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.207	-6.9	102	0.00
85 T	sec-Butylbenzene	3.951	4.146	-4.9	101	0.00
86 T	p-Isopropyltoluene	3.265	3.492	-7.0	101	0.00
87 T	1,3-Dichlorobenzene	1.757	1.791	-1.9	102	0.00
88 T	1,4-Dichlorobenzene	1.736	1.727	0.5	99	0.00
89 T	n-Butylbenzene	3.020	3.197	-5.9	100	0.00
90 T	Hexachloroethane	0.716	0.722	-0.8	102	0.00
91 T	1,2-Dichlorobenzene	1.529	1.540	-0.7	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	98	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	97	0.00
94 T	Hexachlorobutadiene	0.518	0.520	-0.4	99	0.00
95 T	Naphthalene	1.375	1.423	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.716	-1.3	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2 T	Dichlorodifluoromethane	50.000	48.632	2.7	101	0.00
3 P	Chloromethane	50.000	50.781	-1.6	108	0.00
4 C	Vinyl Chloride	50.000	48.759	2.5#	102	0.00
5 T	Bromomethane	50.000	49.274	1.5	109	0.00
6 T	Chloroethane	50.000	50.589	-1.2	108	0.00
7 T	Trichlorofluoromethane	50.000	51.989	-4.0	110	0.00
8 T	Diethyl Ether	50.000	51.807	-3.6	109	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.213	3.6	101	0.00
10 T	Methyl Iodide	50.000	48.859	2.3	92	0.00
11 T	Tert butyl alcohol	250.000	239.093	4.4	101	0.00
12 CM	1,1-Dichloroethene	50.000	48.958	2.1#	101	0.00
13 T	Acrolein	250.000	249.738	0.1	103	0.00
14 T	Allyl chloride	50.000	50.380	-0.8	102	0.00
15 T	Acrylonitrile	250.000	246.085	1.6	99	0.00
16 T	Acetone	250.000	234.856	6.1	98	0.00
17 T	Carbon Disulfide	50.000	49.428	1.1	102	0.00
18 T	Methyl Acetate	50.000	48.703	2.6	102	0.00
19 T	Methyl tert-butyl Ether	50.000	50.561	-1.1	101	0.00
20 T	Methylene Chloride	50.000	53.536	-7.1	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.186	-0.4	104	0.00
22 T	Diisopropyl ether	50.000	51.273	-2.5	101	0.00
23 T	Vinyl Acetate	250.000	256.638	-2.7	100	0.00
24 P	1,1-Dichloroethane	50.000	50.001	-0.0	102	0.00
25 T	2-Butanone	250.000	240.921	3.6	97	0.00
26 T	2,2-Dichloropropane	50.000	49.103	1.8	101	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.806	-1.6	102	0.00
28 T	Bromochloromethane	50.000	50.360	-0.7	106	0.00
29 T	Tetrahydrofuran	250.000	247.271	1.1	97	0.00
30 C	Chloroform	50.000	49.490	1.0#	101	0.00
31 T	Cyclohexane	50.000	47.844	4.3	101	0.00
32 T	1,1,1-Trichloroethane	50.000	49.319	1.4	102	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35 S	Dibromofluoromethane	50.000	54.243	-8.5	106	0.00
36 T	1,1-Dichloropropene	50.000	50.326	-0.7	101	0.00
37 T	Ethyl Acetate	50.000	49.145	1.7	99	0.00
38 T	Carbon Tetrachloride	50.000	49.814	0.4	102	0.00
39 T	Methylcyclohexane	50.000	51.843	-3.7	101	0.00
40 TM	Benzene	50.000	50.574	-1.1	102	0.00
41 T	Methacrylonitrile	50.000	47.475	5.0	88	-0.01
42 TM	1,2-Dichloroethane	50.000	49.556	0.9	101	0.00
43 T	Isopropyl Acetate	50.000	50.106	-0.2	100	0.00
44 TM	Trichloroethene	50.000	49.933	0.1	103	0.00
45 C	1,2-Dichloropropane	50.000	50.158	-0.3#	102	0.00
46 T	Dibromomethane	50.000	50.052	-0.1	104	0.00
47 T	Bromodichloromethane	50.000	50.530	-1.1	103	0.00
48 T	Methyl methacrylate	50.000	52.076	-4.2	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1006.593	-0.7	100	0.00
50 S	Toluene-d8	50.000	55.117	-10.2	107	0.00
51 T	4-Methyl-2-Pentanone	250.000	252.890	-1.2	99	0.00
52 CM	Toluene	50.000	51.555	-3.1#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	51.152	-2.3	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.154	-2.3	101	0.00
55 T	1,1,2-Trichloroethane	50.000	49.656	0.7	101	0.00
56 T	Ethyl methacrylate	50.000	54.371	-8.7	101	0.00
57 T	1,3-Dichloropropane	50.000	50.563	-1.1	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	276.714	-10.7	102	0.00
59 T	2-Hexanone	250.000	255.065	-2.0	98	0.00
60 T	Dibromochloromethane	50.000	50.679	-1.4	101	0.00
61 T	1,2-Dibromoethane	50.000	50.970	-1.9	100	0.00
62 S	4-Bromofluorobenzene	50.000	55.339	-10.7	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	47.757	4.5	98	0.00
65 PM	Chlorobenzene	50.000	50.384	-0.8	102	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.802	-1.6	102	0.00
67 C	Ethyl Benzene	50.000	52.346	-4.7#	102	0.00
68 T	m/p-Xylenes	100.000	105.402	-5.4	102	0.00
69 T	o-Xylene	50.000	53.075	-6.2	102	0.00
70 T	Styrene	50.000	53.627	-7.3	102	0.00
71 P	Bromoform	50.000	50.778	-1.6	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	52.705	-5.4	102	0.00
74 T	N-amyl acetate	50.000	52.323	-4.6	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.266	1.5	100	0.00
76 T	1,2,3-Trichloropropane	50.000	42.688	14.6	84	0.00
77 T	Bromobenzene	50.000	51.125	-2.3	102	0.00
78 T	n-propylbenzene	50.000	53.182	-6.4	102	0.00
79 T	2-Chlorotoluene	50.000	51.671	-3.3	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.236	-6.5	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.488	1.0	95	0.00
82 T	4-Chlorotoluene	50.000	51.969	-3.9	101	0.00
83 T	tert-Butylbenzene	50.000	52.616	-5.2	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.454	-6.9	102	0.00
85 T	sec-Butylbenzene	50.000	52.471	-4.9	101	0.00
86 T	p-Isopropyltoluene	50.000	53.479	-7.0	101	0.00
87 T	1,3-Dichlorobenzene	50.000	50.987	-2.0	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.741	0.5	99	0.00
89 T	n-Butylbenzene	50.000	52.927	-5.9	100	0.00
90 T	Hexachloroethane	50.000	50.454	-0.9	102	0.00
91 T	1,2-Dichlorobenzene	50.000	50.346	-0.7	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.476	3.0	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.429	-2.9	97	0.00
94 T	Hexachlorobutadiene	50.000	50.245	-0.5	99	0.00
95 T	Naphthalene	50.000	51.759	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	50.640	-1.3	95	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: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 09:22

Lab File ID: VY021776.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.460		-11.2	20
Chloromethane	0.729	0.638	0.1	-12.48	20
Vinyl Chloride	0.824	0.724		-12.14	20
Bromomethane	0.562	0.483		-14.06	20
Chloroethane	0.539	0.475		-11.87	20
Tetrahydrofuran	0.102	0.090		-11.77	20
Trichlorofluoromethane	1.056	0.959		-9.19	20
1,1,2-Trichlorotrifluoroethane	0.557	0.515		-7.54	20
1,1-Dichloroethene	0.524	0.481		-8.21	20
Acrylonitrile	0.120	0.106		-11.67	20
Acetone	0.111	0.091		-18.02	20
Carbon Disulfide	1.727	1.549		-10.31	20
Methyl tert-butyl Ether	1.306	1.203		-7.89	20
Methylene Chloride	0.626	0.518		-17.25	20
trans-1,2-Dichloroethene	0.577	0.534		-7.45	20
1,1-Dichloroethane	1.049	0.975	0.1	-7.05	20
2-Butanone	0.158	0.136		-13.92	20
Carbon Tetrachloride	0.566	0.560		-1.06	20
2,2-Dichloropropane	0.933	0.874		-6.32	20
cis-1,2-Dichloroethene	0.649	0.609		-6.16	20
Chloroform	1.091	1.012		-7.24	20
1,1,1-Trichloroethane	0.986	0.918		-6.9	20
1,1-Dichloropropene	0.494	0.495		0.2	20
Benzene	1.479	1.458		-1.42	20
1,2-Dichloroethane	0.417	0.401		-3.84	20
Trichloroethene	0.377	0.375		-0.53	20
1,2-Dichloropropane	0.350	0.345		-1.43	20
Dibromomethane	0.202	0.194		-3.96	20
Bromodichloromethane	0.523	0.513		-1.91	20
4-Methyl-2-Pentanone	0.230	0.222		-3.48	20
Toluene	0.923	0.937		1.52	20
t-1,3-Dichloropropene	0.465	0.457		-1.72	20
cis-1,3-Dichloropropene	0.548	0.537		-2.01	20
1,1,2-Trichloroethane	0.260	0.253		-2.69	20
1,3-Dichloropropane	0.449	0.443		-1.34	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.359		1.13	20
1,2-Dibromoethane	0.244	0.241		-1.23	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: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 09:22

Lab File ID: VY021776.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.452		-0.66	20
Chlorobenzene	1.146	1.113	0.3	-2.88	20
1,1,1,2-Tetrachloroethane	0.407	0.402		-1.23	20
Ethyl Benzene	1.965	1.994		1.48	20
m/p-Xylenes	0.753	0.761		1.06	20
o-Xylene	0.695	0.704		1.29	20
Styrene	1.158	1.203		3.89	20
Bromoform	0.232	0.228	0.1	-1.72	20
Isopropylbenzene	3.714	3.651		-1.7	20
1,1,2,2-Tetrachloroethane	0.668	0.591	0.3	-11.53	20
1,2,3-Trichloropropane	0.496	0.480		-3.23	20
Bromobenzene	0.892	0.846		-5.16	20
n-propylbenzene	4.465	4.445		-0.45	20
2-Chlorotoluene	2.593	2.517		-2.93	20
1,3,5-Trimethylbenzene	3.035	2.999		-1.19	20
4-Chlorotoluene	2.704	2.623		-3	20
tert-Butylbenzene	2.703	2.636		-2.48	20
1,2,4-Trimethylbenzene	3.000	3.001		0.03	20
sec-Butylbenzene	3.951	3.921		-0.76	20
p-Isopropyltoluene	3.265	3.296		0.95	20
1,3-Dichlorobenzene	1.757	1.684		-4.16	20
1,4-Dichlorobenzene	1.736	1.654		-4.72	20
n-Butylbenzene	3.020	3.041		0.69	20
1,2-Dichlorobenzene	1.529	1.479		-3.27	20
1,2-Dibromo-3-Chloropropane	0.103	0.093		-9.71	20
1,2,4-Trichlorobenzene	0.829	0.819		-1.21	20
Hexachlorobutadiene	0.518	0.505		-2.51	20
1,2,3-Trichlorobenzene	0.707	0.703		-0.57	20
1,2-Dichloroethane-d4	0.542	0.533		-1.66	20
Dibromofluoromethane	0.324	0.337		4.01	20
Toluene-d8	1.234	1.303		5.59	20
4-Bromofluorobenzene	0.417	0.442		5.99	20
trans-1,4-Dichloro-2-butene	0.215	0.191		-11.16	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\VY040425\
 Data File : VY021776.D
 Acq On : 04 Apr 2025 09:22
 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 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	228718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	308777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160179	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	121896	49.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.380%
35) Dibromofluoromethane	7.634	113	115525	51.952	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.900%
50) Toluene-d8	10.109	98	446617	52.794	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.408	95	151449	52.928	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.860%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	105148	44.355	ug/l	99
3) Chloromethane	2.068	50	145939	43.781	ug/l	100
4) Vinyl Chloride	2.202	62	165639	43.939	ug/l	99
5) Bromomethane	2.598	94	110489	42.973	ug/l	94
6) Chloroethane	2.733	64	108599	44.025	ug/l	98
7) Trichlorofluoromethane	3.056	101	219380	45.429	ug/l	99
8) Diethyl Ether	3.452	74	57638	43.889	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	117758	46.234	ug/l	98
10) Methyl Iodide	4.001	142	132756	47.511	ug/l	100
11) Tert butyl alcohol	4.866	59	31915	198.281	ug/l	98
12) 1,1-Dichloroethene	3.787	96	109939	45.826	ug/l	97
13) Acrolein	3.653	56	31766	108.084	ug/l	98
14) Allyl chloride	4.385	41	174528	45.628	ug/l	100
15) Acrylonitrile	5.055	53	120986	220.642	ug/l	99
16) Acetone	3.873	43	104133	205.322	ug/l	98
17) Carbon Disulfide	4.104	76	354255	44.833	ug/l	99
18) Methyl Acetate	4.385	43	59191	47.090	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	275214	46.078	ug/l	99
20) Methylene Chloride	4.610	84	118494	47.558	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	122071	46.214	ug/l	97
22) Diisopropyl ether	6.012	45	384515	47.921	ug/l	95
23) Vinyl Acetate	5.958	43	1073117	228.612	ug/l	99
24) 1,1-Dichloroethane	5.915	63	222969	46.472	ug/l	99
25) 2-Butanone	6.890	43	155279	214.357	ug/l	98
26) 2,2-Dichloropropane	6.884	77	199917	46.842	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	139352	46.913	ug/l	99
28) Bromochloromethane	7.244	49	98842	48.848	ug/l	98
29) Tetrahydrofuran	7.262	42	103430	221.852	ug/l	98
30) Chloroform	7.421	83	231492	46.388	ug/l	94
31) Cyclohexane	7.701	56	196299	44.882	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	209951	46.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169689	50.100	ug/l	99
37) Ethyl Acetate	6.982	43	71529	44.748	ug/l	98
38) Carbon Tetrachloride	7.817	117	192102	49.520	ug/l	98
39) Methylcyclohexane	9.110	83	204403	50.518	ug/l	97
40) Benzene	8.079	78	499841	49.278	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021776.D
 Acq On : 04 Apr 2025 09:22
 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 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36866	43.428	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	137468	48.074	ug/l	100
43) Isopropyl Acetate	8.195	43	140563	46.402	ug/l	99
44) Trichloroethene	8.866	130	128424	49.692	ug/l	99
45) 1,2-Dichloropropane	9.140	63	118428	49.325	ug/l	98
46) Dibromomethane	9.231	93	66580	48.116	ug/l	97
47) Bromodichloromethane	9.420	83	175976	49.080	ug/l	97
48) Methyl methacrylate	9.219	41	67680	48.681	ug/l	98
49) 1,4-Dioxane	9.231	88	13592	916.931	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	380500	241.372	ug/l	99
52) Toluene	10.170	92	321091	50.737	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	156628	49.181	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	184020	48.979	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	86585	48.624	ug/l	99
56) Ethyl methacrylate	10.439	69	116496	51.235	ug/l	97
57) 1,3-Dichloropropane	10.719	76	151785	49.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	293090	264.232	ug/l	100
59) 2-Hexanone	10.762	43	255713	243.569	ug/l	100
60) Dibromochloromethane	10.914	129	123226	50.684	ug/l	100
61) 1,2-Dibromoethane	11.018	107	82662	49.485	ug/l	99
64) Tetrachloroethene	10.646	164	139676	49.667	ug/l	99
65) Chlorobenzene	11.444	112	343523	48.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	124267	49.482	ug/l	99
67) Ethyl Benzene	11.518	91	615700	50.727	ug/l	99
68) m/p-Xylenes	11.627	106	470149	101.155	ug/l	100
69) o-Xylene	11.957	106	217467	50.688	ug/l	99
70) Styrene	11.969	104	371495	51.933	ug/l	99
71) Bromoform	12.133	173	70273	49.056	ug/l #	99
73) Isopropylbenzene	12.255	105	584770	49.152	ug/l	100
74) N-amyl acetate	12.072	43	128883	46.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	94598	44.226	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	76890m	48.426	ug/l	
77) Bromobenzene	12.536	156	135583	47.465	ug/l	98
78) n-propylbenzene	12.597	91	712013	49.780	ug/l	100
79) 2-Chlorotoluene	12.682	91	403179	48.532	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	480341	49.401	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30582	44.380	ug/l	95
82) 4-Chlorotoluene	12.780	91	420225	48.519	ug/l	100
83) tert-Butylbenzene	12.999	119	422284	48.759	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	480654	50.015	ug/l	100
85) sec-Butylbenzene	13.176	105	628096	49.626	ug/l	100
86) p-Isopropyltoluene	13.292	119	527940	50.469	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	269775	47.936	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	264990	47.658	ug/l	99
89) n-Butylbenzene	13.621	91	487055	50.346	ug/l	100
90) Hexachloroethane	13.883	117	110054	48.010	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	236937	48.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14822	44.709	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	131155	49.367	ug/l	99
94) Hexachlorobutadiene	15.023	225	80970	48.800	ug/l	99
95) Naphthalene	15.145	128	214835	48.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	112664	49.730	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

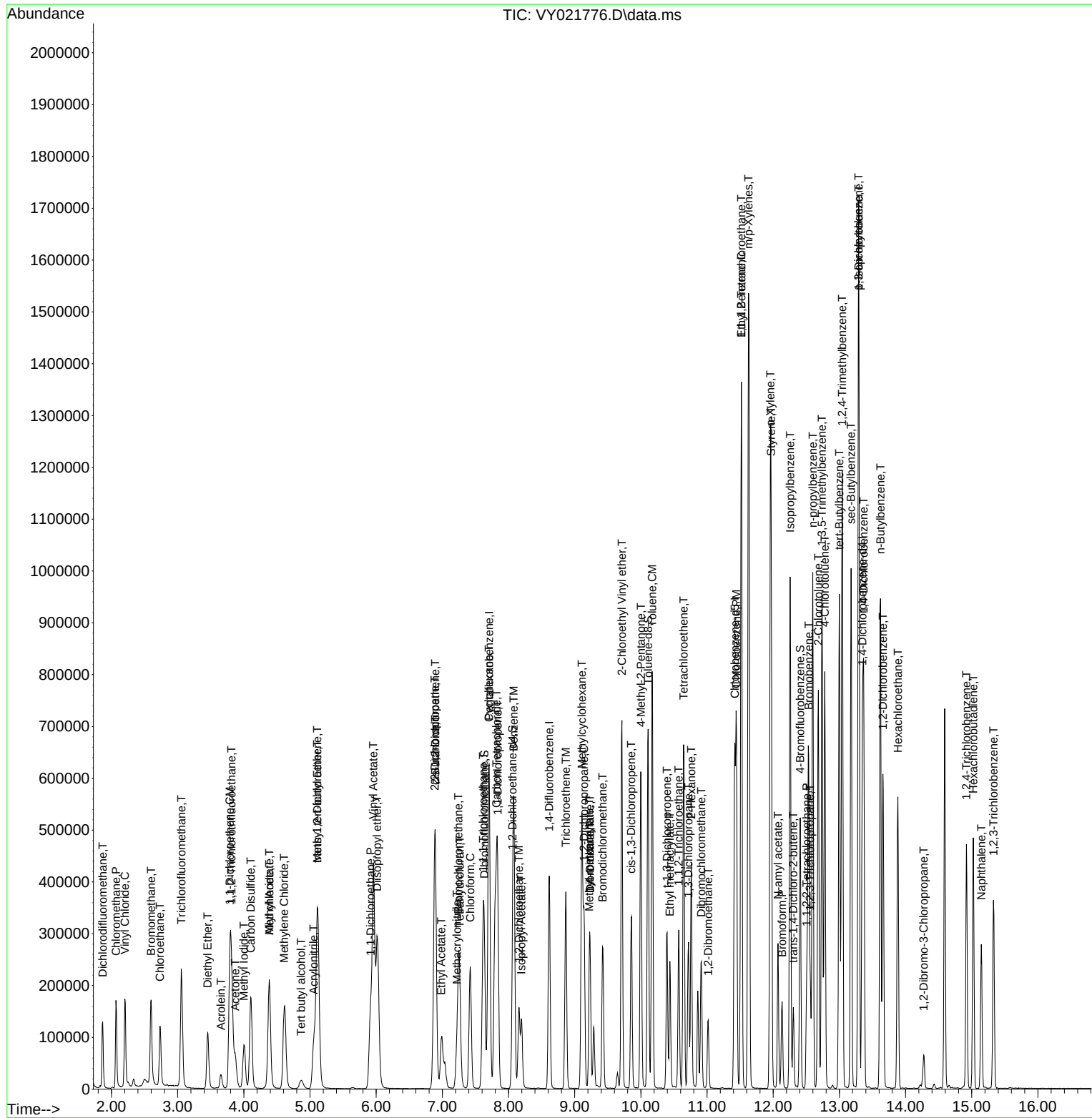
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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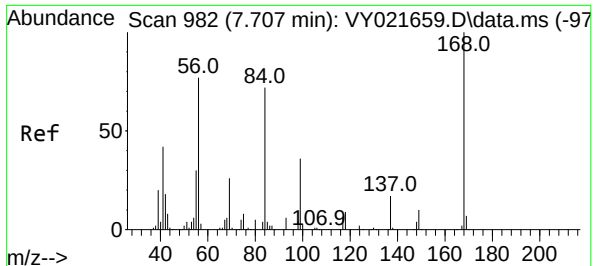
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025





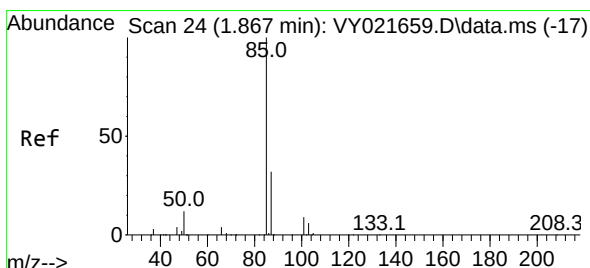
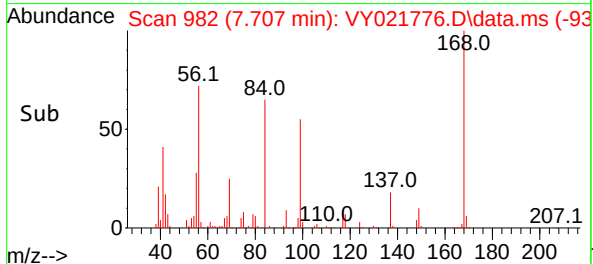
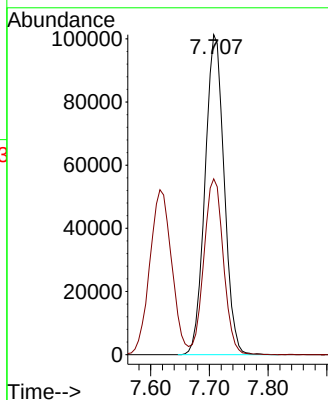
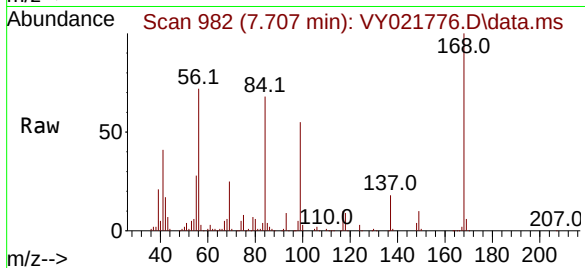
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 228718
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1

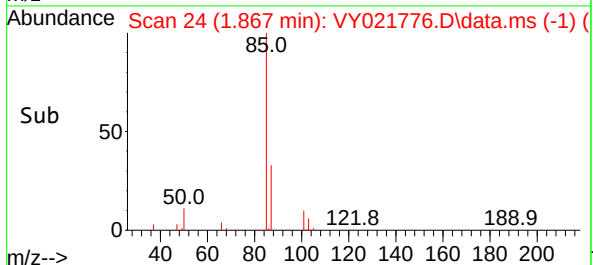
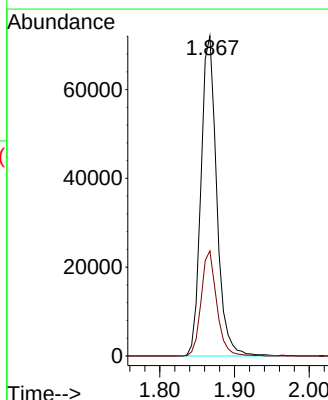
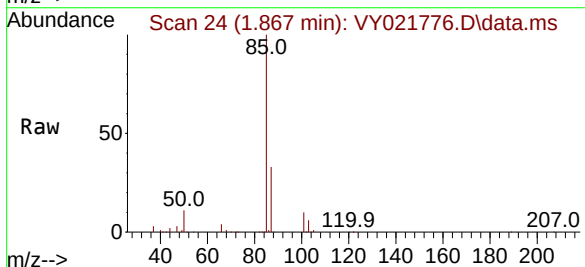
Manual Integrations
APPROVED

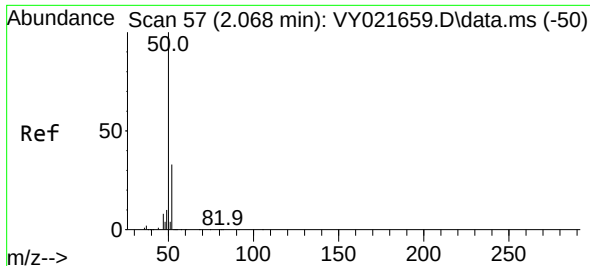
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#2
Dichlorodifluoromethane
Concen: 44.355 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

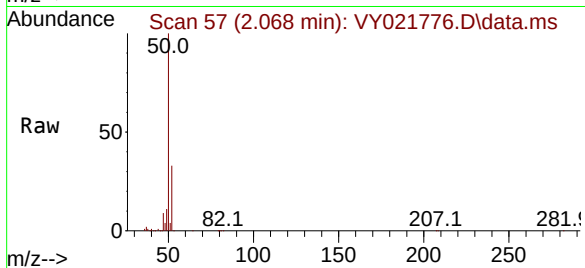
Tgt Ion: 85 Resp: 105148
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6





#3
Chloromethane
Concen: 43.781 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

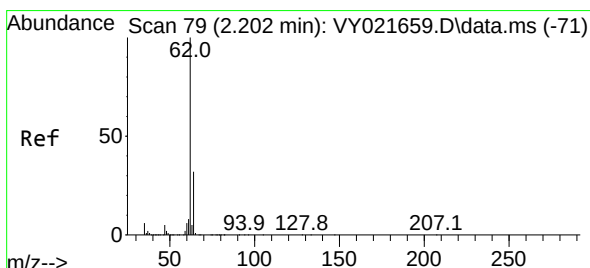
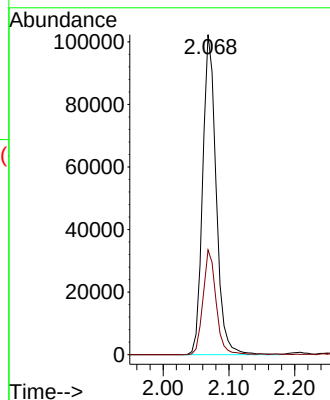
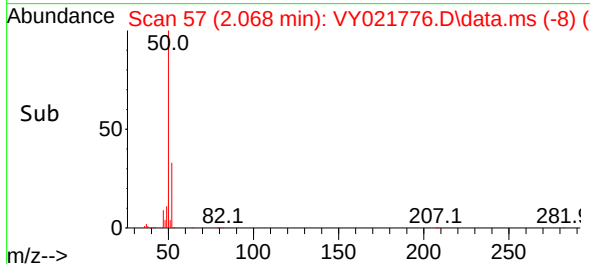
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



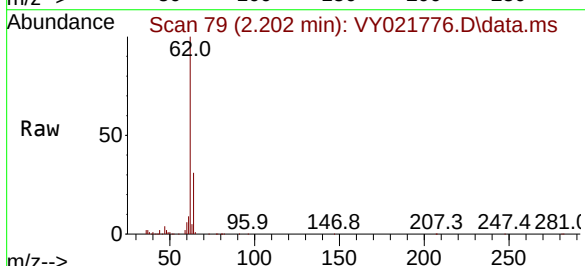
Tgt Ion: 50 Resp: 145939
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

Manual Integrations
APPROVED

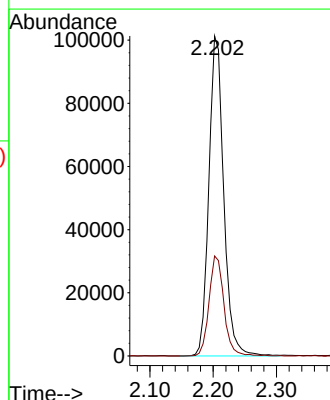
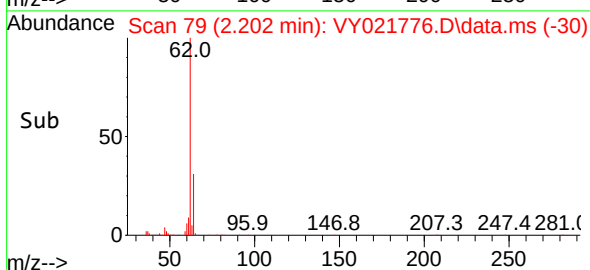
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

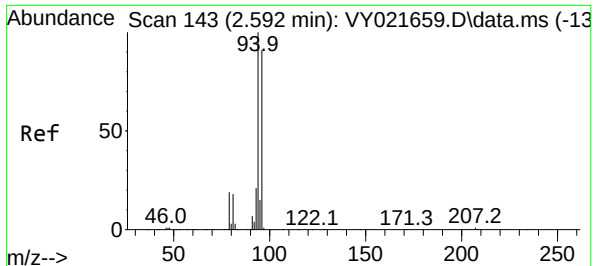


#4
Vinyl Chloride
Concen: 43.939 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



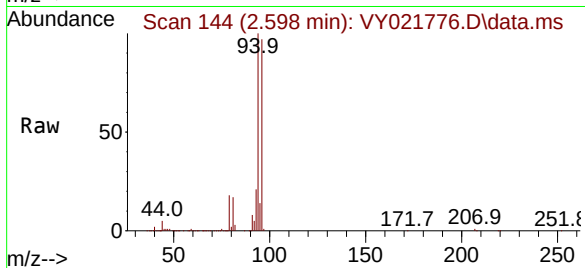
Tgt Ion: 62 Resp: 165639
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3





#5
Bromomethane
Concen: 42.973 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

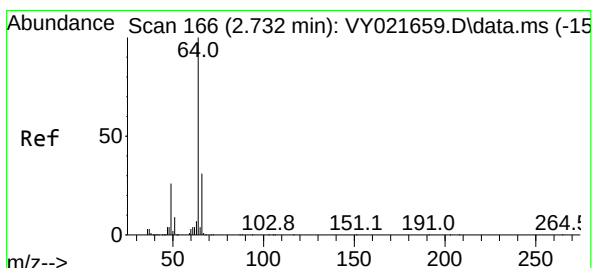
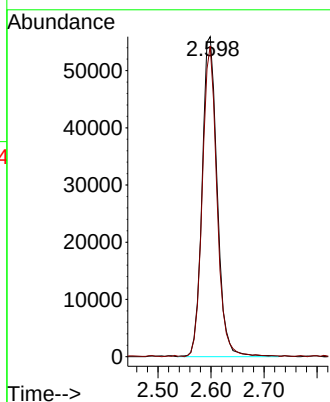
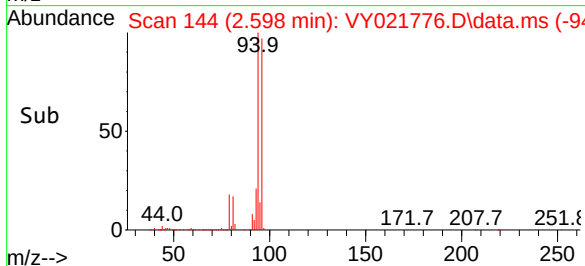
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



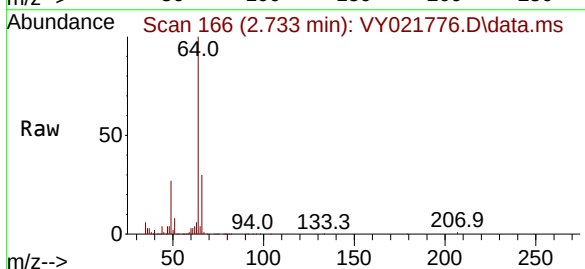
Tgt Ion: 94 Resp: 110489
Ion Ratio Lower Upper
94 100
96 97.0 72.8 109.2

Manual Integrations
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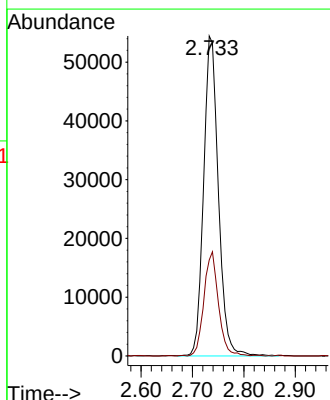
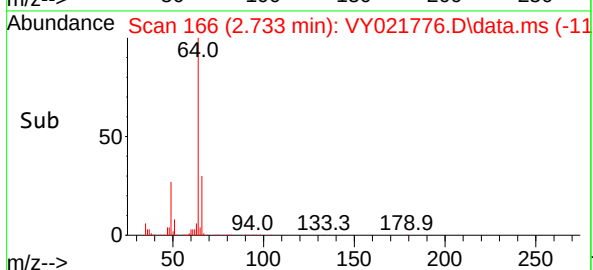
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

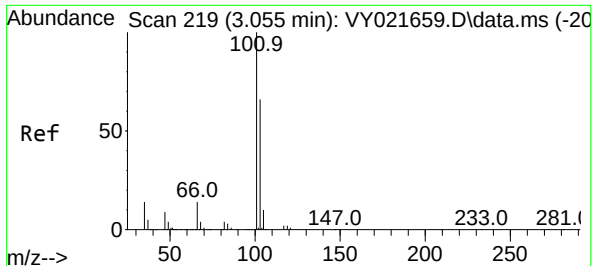


#6
Chloroethane
Concen: 44.025 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



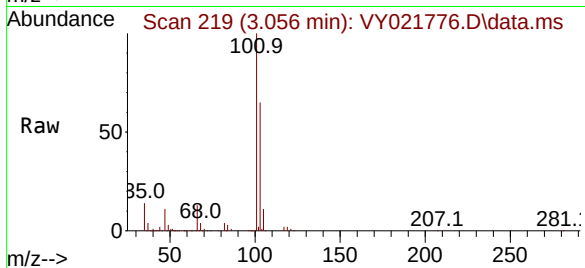
Tgt Ion: 64 Resp: 108599
Ion Ratio Lower Upper
64 100
66 29.9 24.9 37.3





#7
Trichlorofluoromethane
Concen: 45.429 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

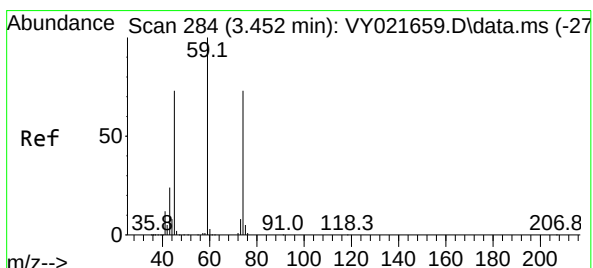
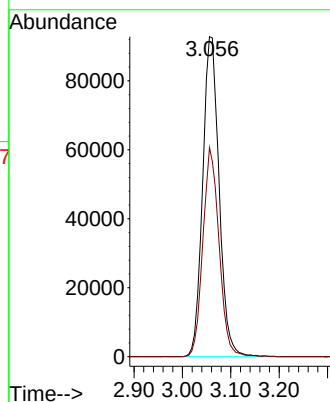
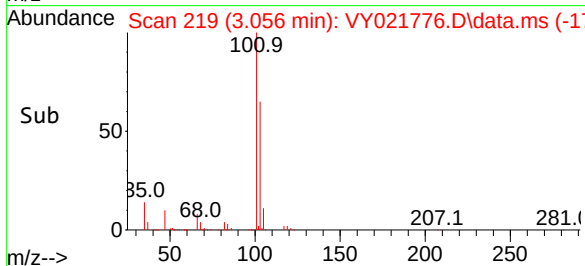
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 219380
Ion Ratio Lower Upper
101 100
103 65.4 53.1 79.7

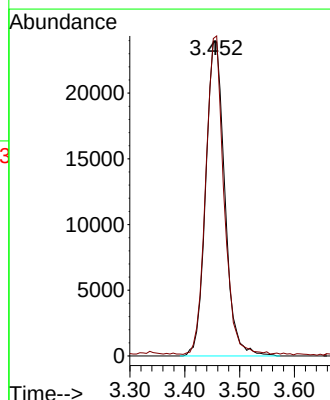
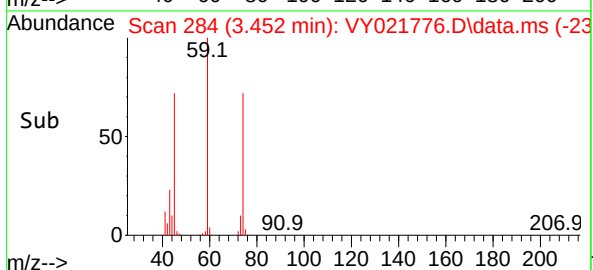
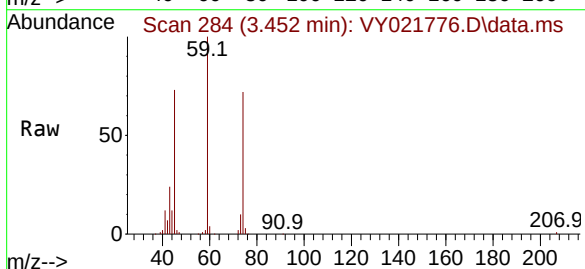
Manual Integrations
APPROVED

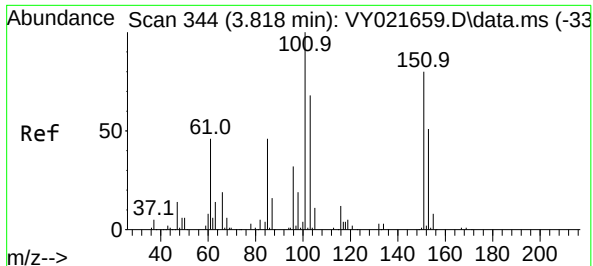
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#8
Diethyl Ether
Concen: 43.889 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 74 Resp: 57638
Ion Ratio Lower Upper
74 100
45 96.7 48.6 145.8





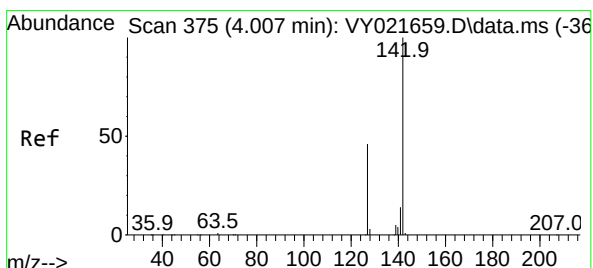
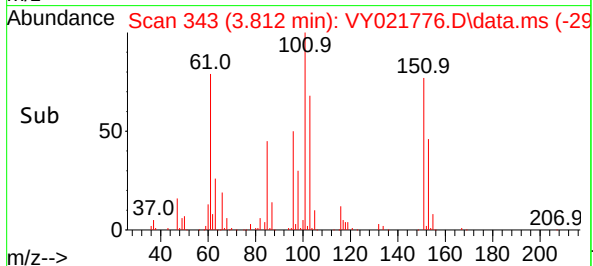
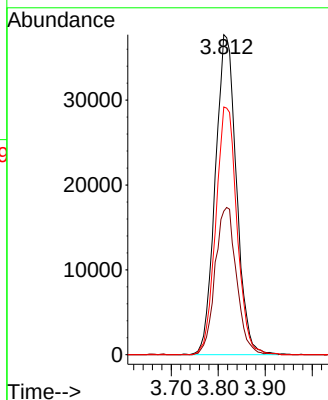
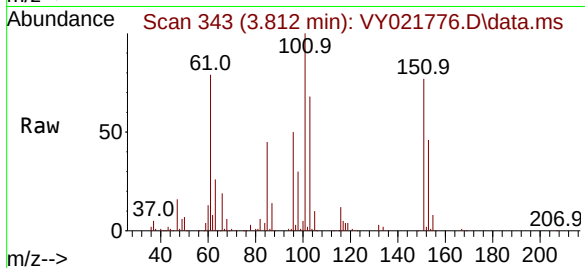
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.234 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 117756
Ion Ratio Lower Upper
101 100
85 46.8 36.3 54.5
151 77.8 61.3 91.9

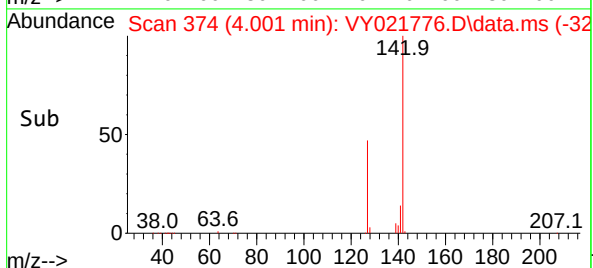
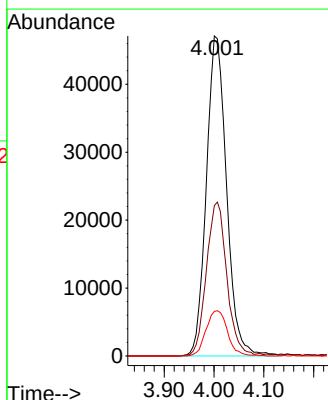
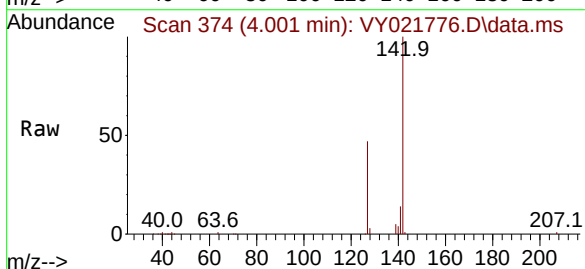
Manual Integrations
APPROVED

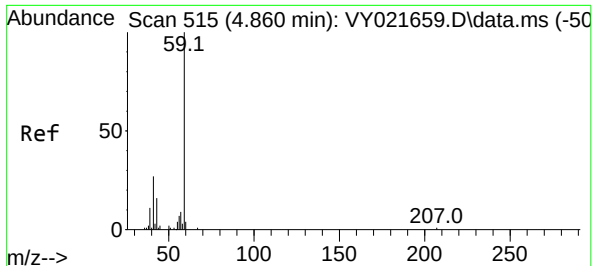
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#10
Methyl Iodide
Concen: 47.511 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:142 Resp: 132756
Ion Ratio Lower Upper
142 100
127 48.5 38.7 58.1
141 15.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 198.281 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 31915

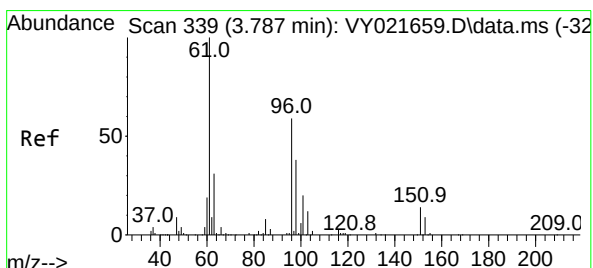
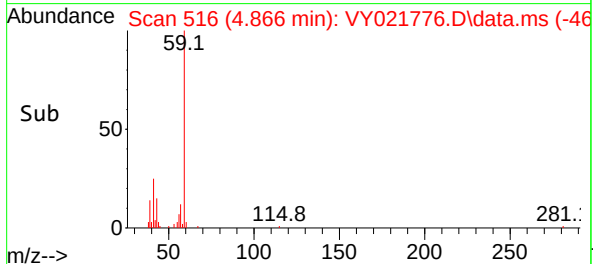
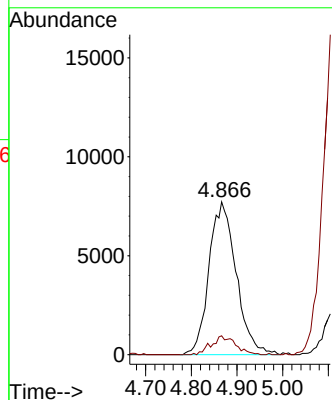
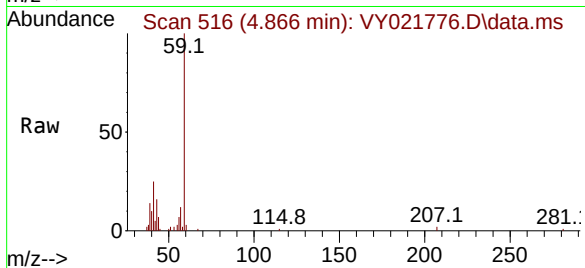
Ion Ratio Lower Upper

59 100

57 10.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#12

1,1-Dichloroethene

Concen: 45.826 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

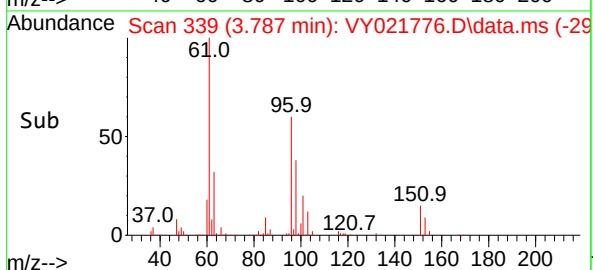
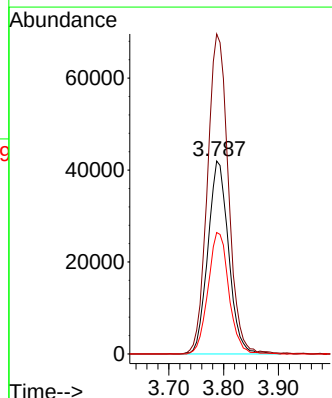
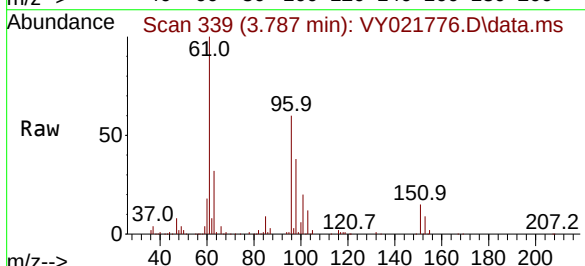
Tgt Ion: 96 Resp: 109939

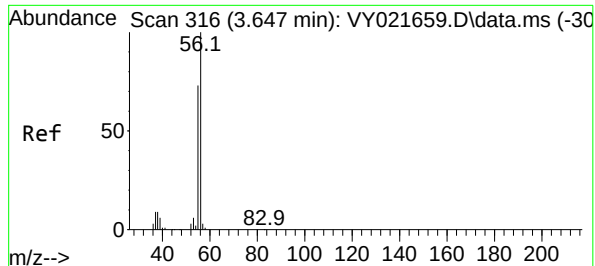
Ion Ratio Lower Upper

96 100

61 165.9 136.6 204.8

98 63.0 52.3 78.5





#13

Acrolein

Concen: 108.084 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 3176

Ion Ratio Lower Upper

56 100

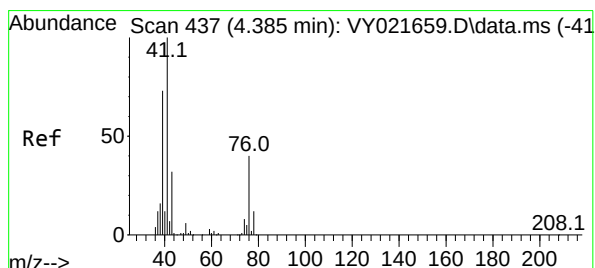
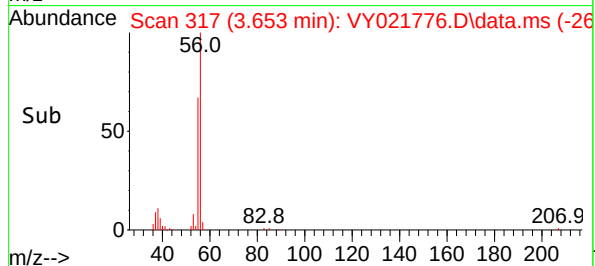
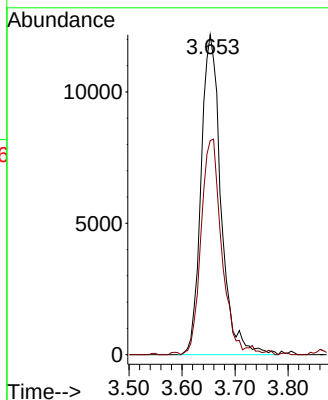
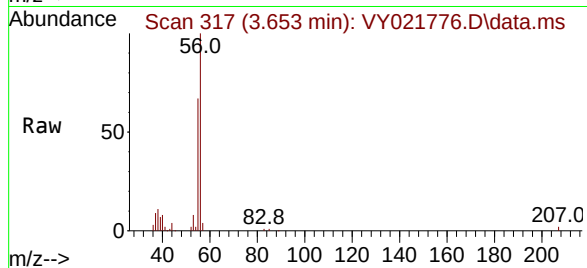
55 69.4 56.6 85.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#14

Allyl chloride

Concen: 45.628 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

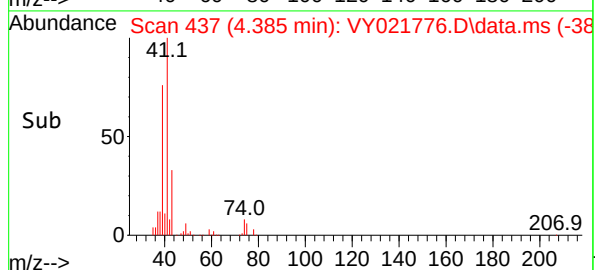
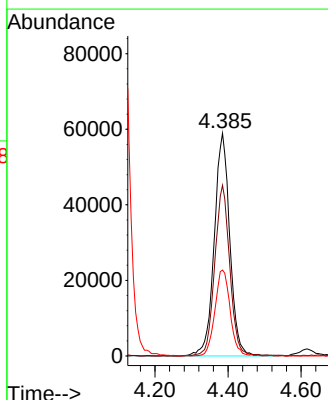
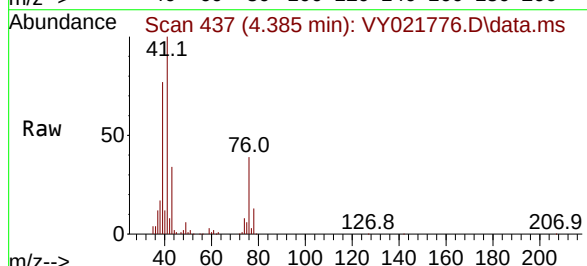
Tgt Ion: 41 Resp: 174528

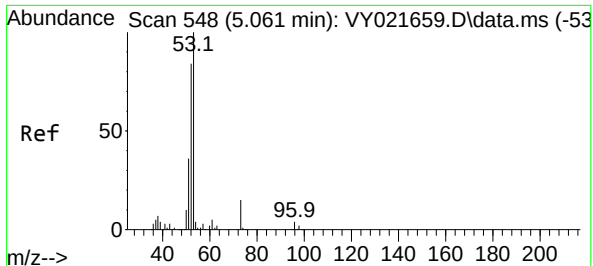
Ion Ratio Lower Upper

41 100

39 73.5 58.6 88.0

76 37.8 30.3 45.5





#15

Acrylonitrile

Concen: 220.642 ug/l

RT: 5.055 min Scan# 548

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 120980

Ion Ratio Lower Upper

53 100

52 82.7 64.9 97.3

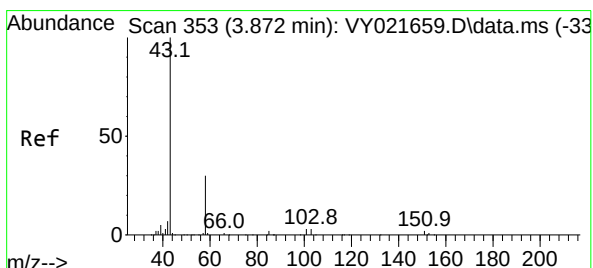
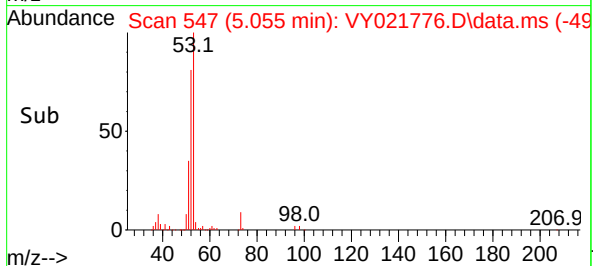
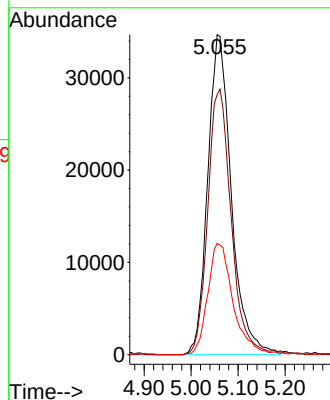
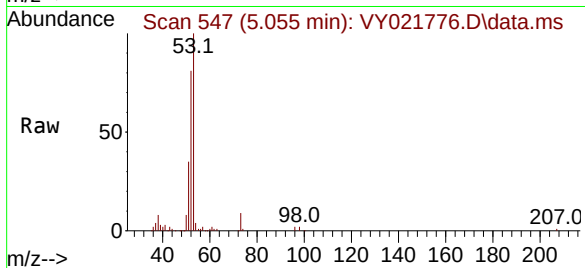
51 37.4 30.2 45.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#16

Acetone

Concen: 205.322 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY021776.D

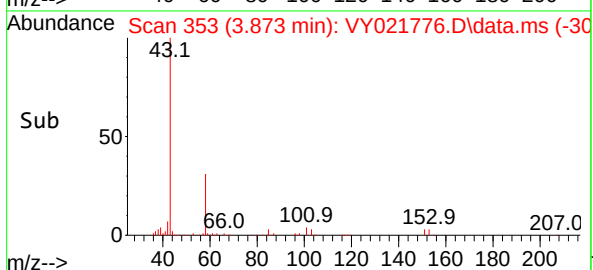
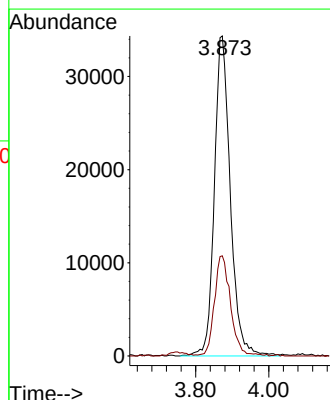
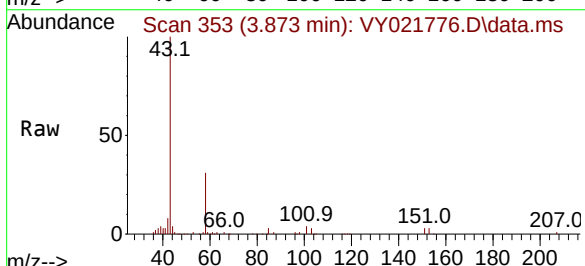
Acq: 04 Apr 2025 09:22

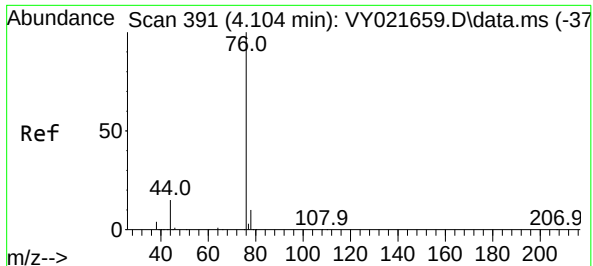
Tgt Ion: 43 Resp: 104133

Ion Ratio Lower Upper

43 100

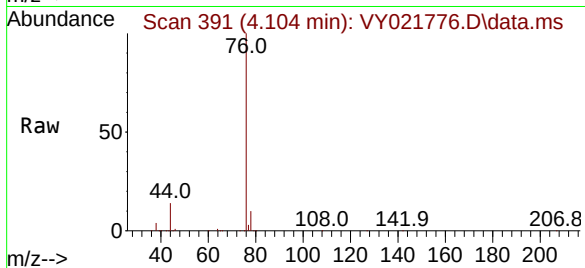
58 31.3 24.2 36.4





#17
Carbon Disulfide
Concen: 44.833 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

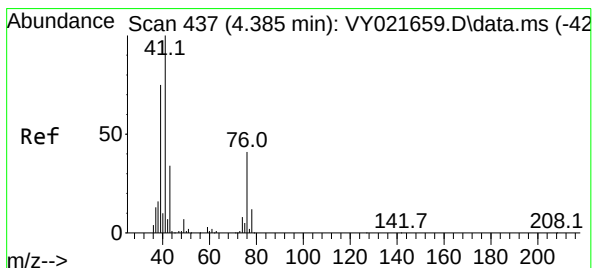
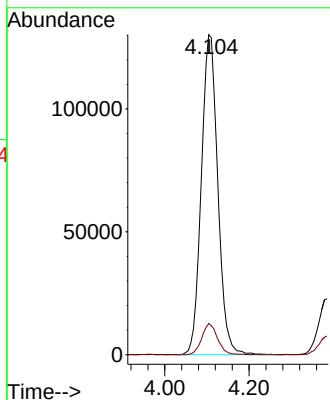
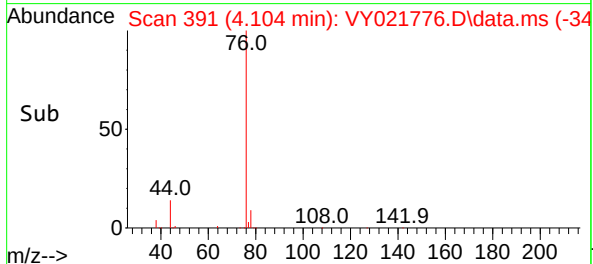
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



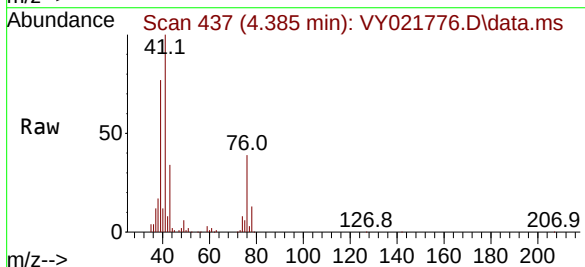
Tgt Ion: 76 Resp: 35425
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4

Manual Integrations
APPROVED

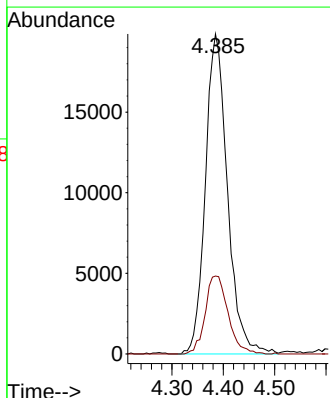
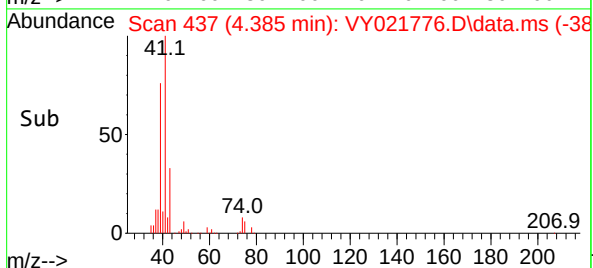
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

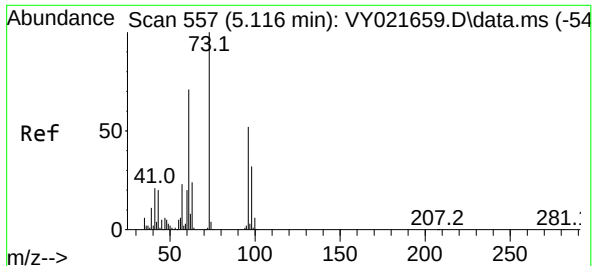


#18
Methyl Acetate
Concen: 47.090 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



Tgt Ion: 43 Resp: 59191
Ion Ratio Lower Upper
43 100
74 25.2 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 46.078 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 275214

Ion Ratio Lower Upper

73 100

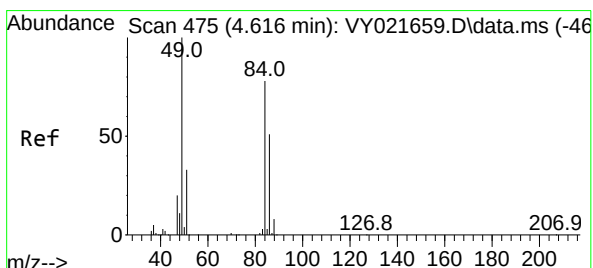
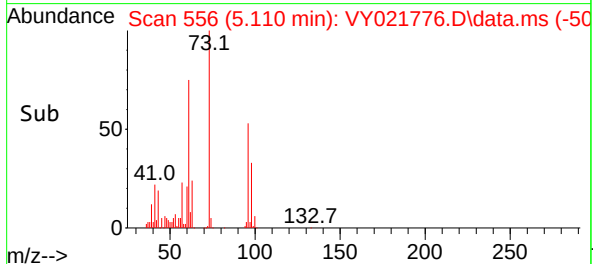
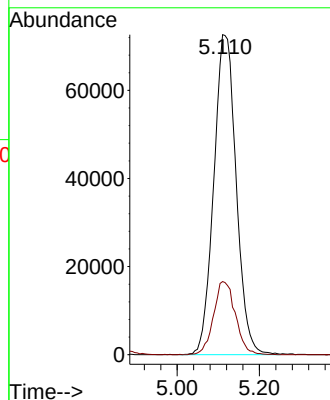
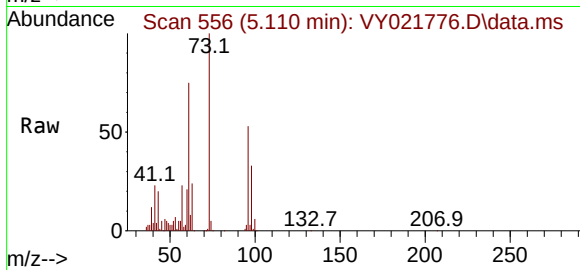
57 22.9 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#20

Methylene Chloride

Concen: 47.558 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion: 84 Resp: 118494

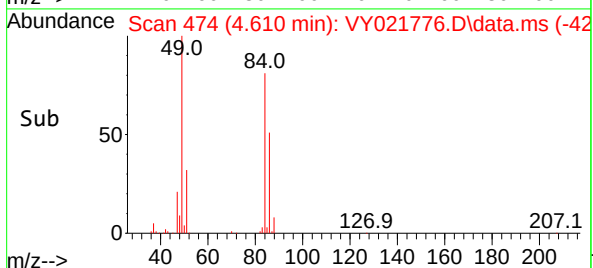
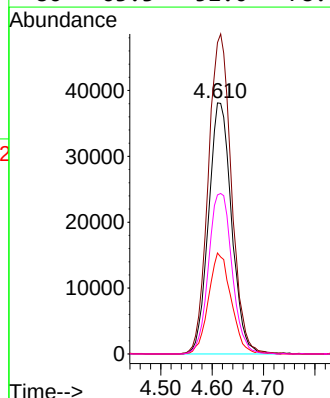
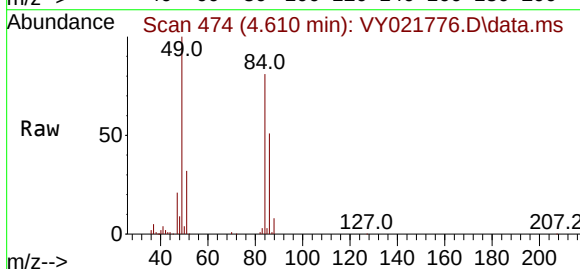
Ion Ratio Lower Upper

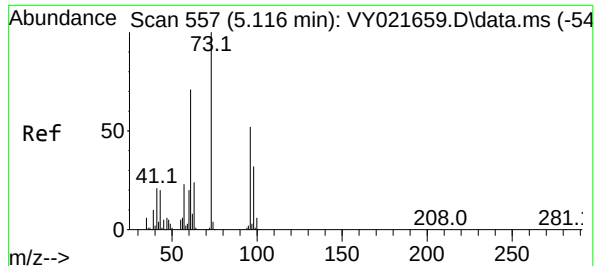
84 100

49 124.0 102.8 154.2

51 40.2 33.5 50.3

86 63.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.214 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 12207

Ion Ratio Lower Upper

96 100

61 140.7 109.4 164.0

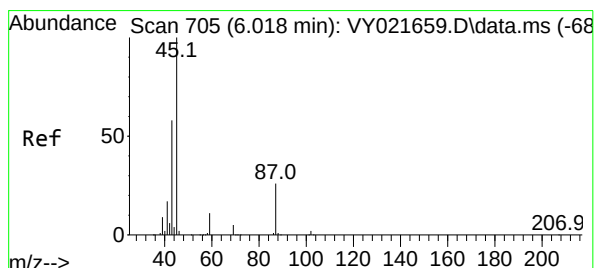
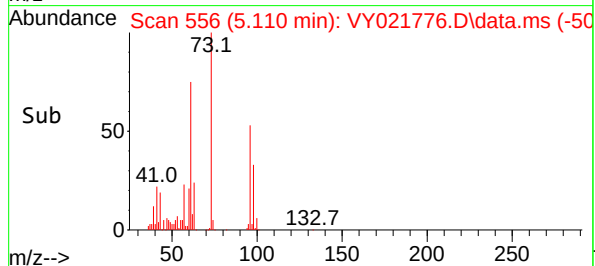
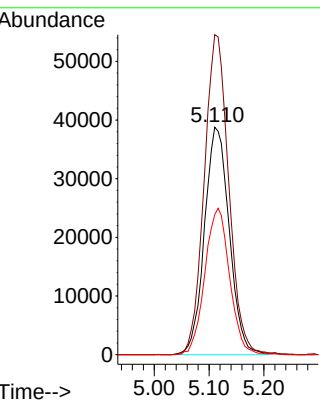
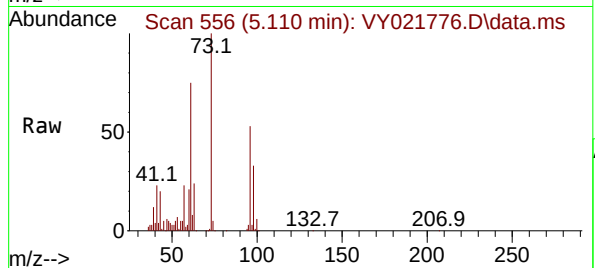
98 61.6 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#22

Diisopropyl ether

Concen: 47.921 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion: 45 Resp: 384515

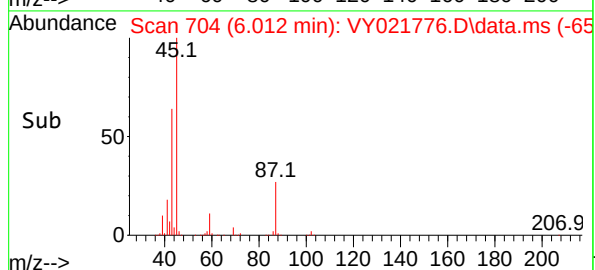
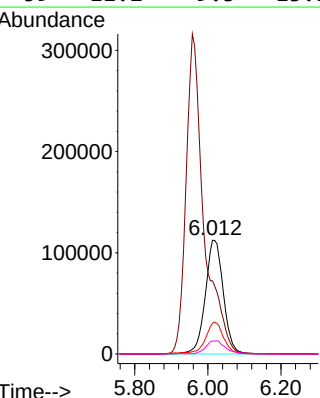
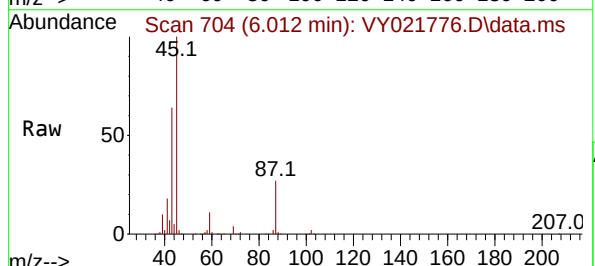
Ion Ratio Lower Upper

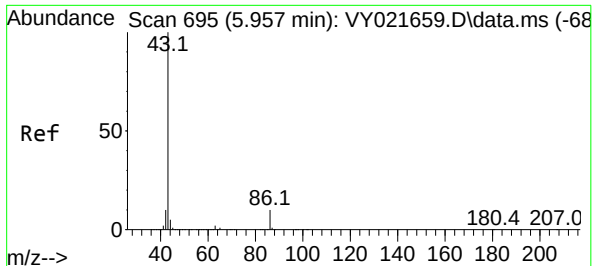
45 100

43 64.0 46.6 69.8

87 27.0 20.7 31.1

59 11.2 9.3 13.9





#23

Vinyl Acetate

Concen: 228.612 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 107311

Ion Ratio Lower Upper

43 100

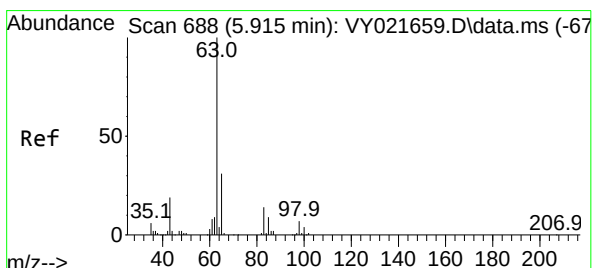
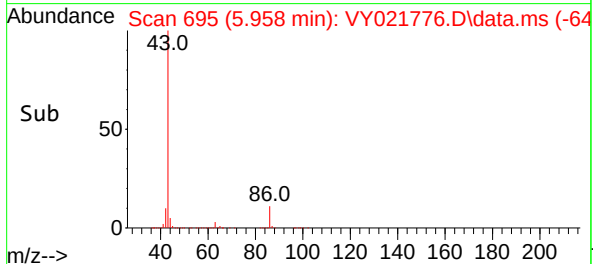
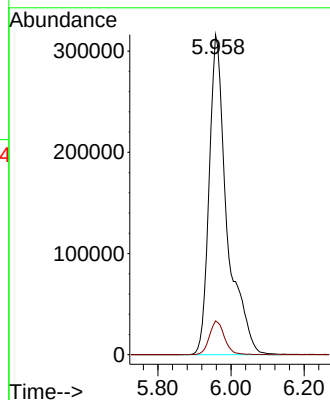
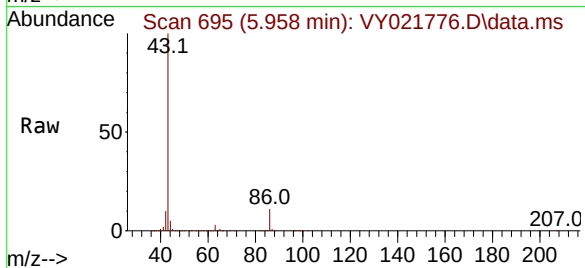
86 10.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#24

1,1-Dichloroethane

Concen: 46.472 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

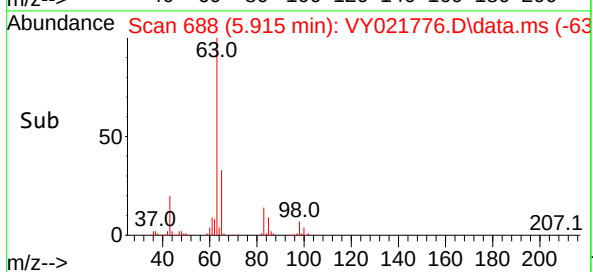
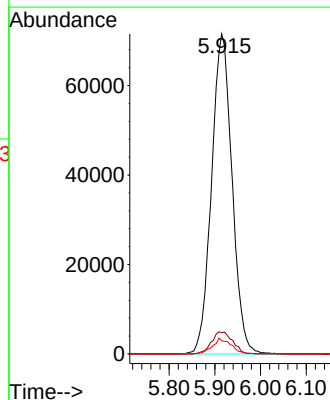
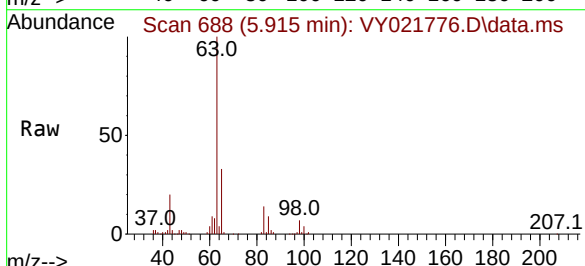
Tgt Ion: 63 Resp: 222969

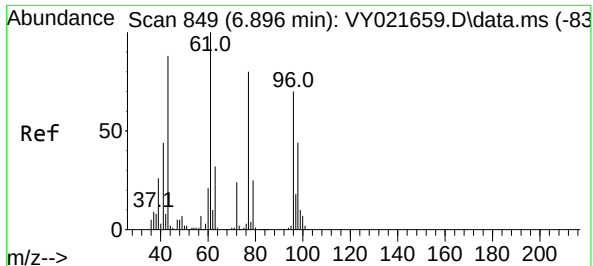
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 214.357 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 155279

Ion Ratio Lower Upper

43 100

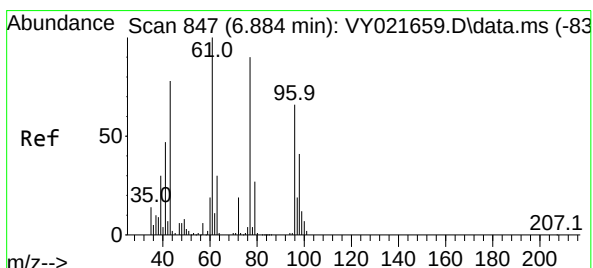
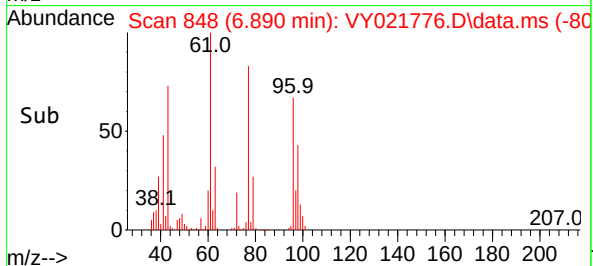
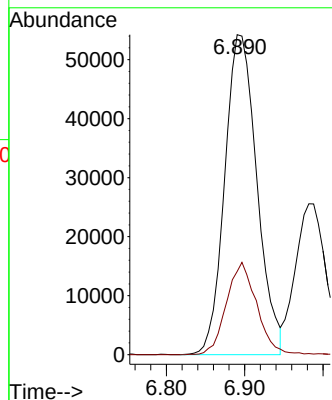
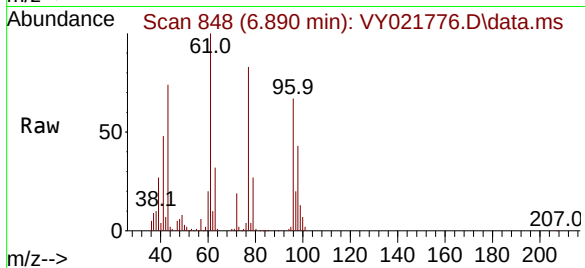
72 26.0 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#26

2,2-Dichloropropane

Concen: 46.842 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021776.D

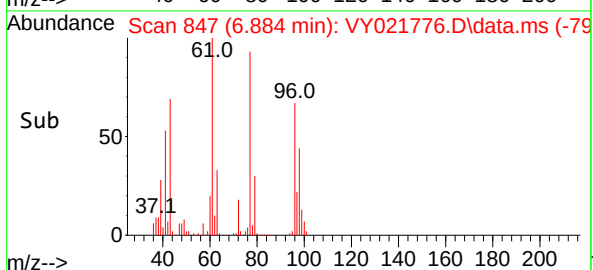
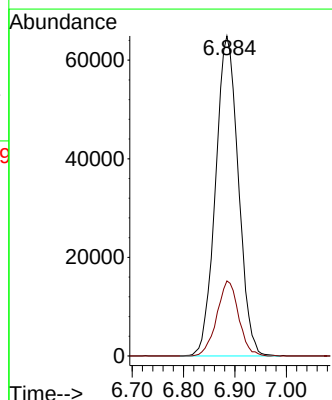
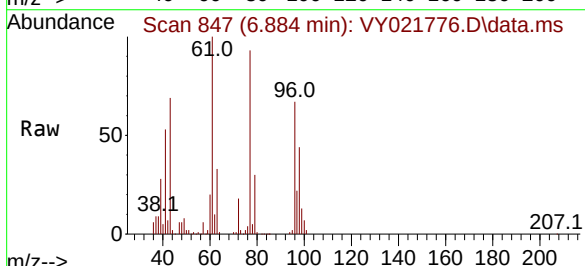
Acq: 04 Apr 2025 09:22

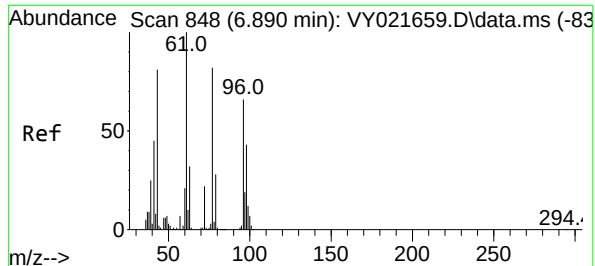
Tgt Ion: 77 Resp: 199917

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 46.913 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 139352

Ion Ratio Lower Upper

96 100

61 146.2 0.0 296.4

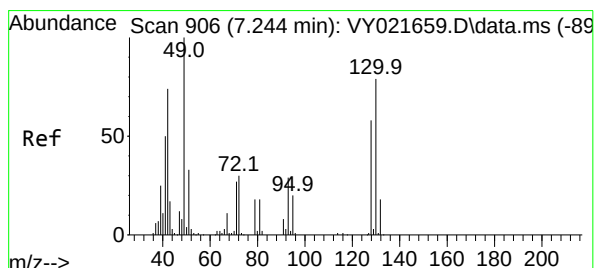
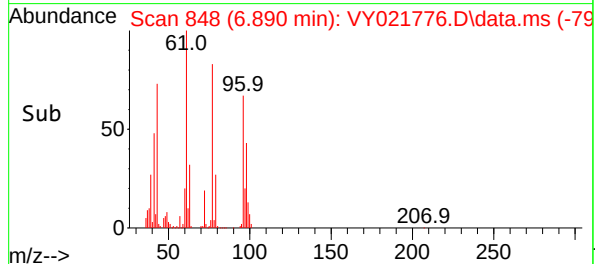
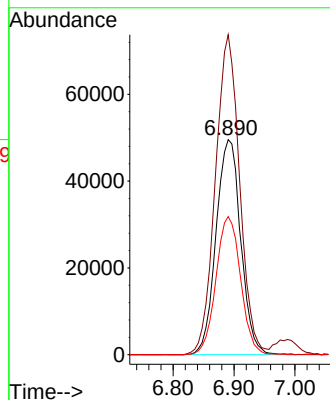
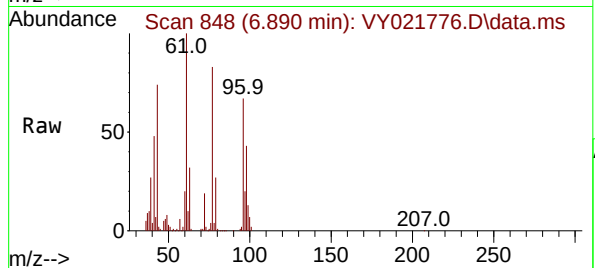
98 64.1 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#28

Bromochloromethane

Concen: 48.848 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

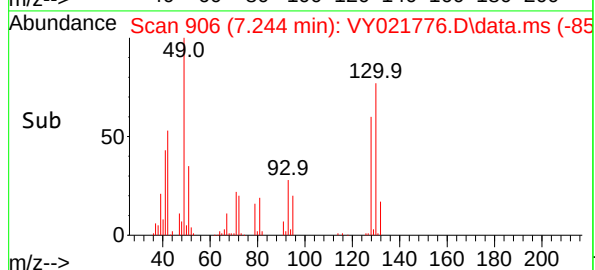
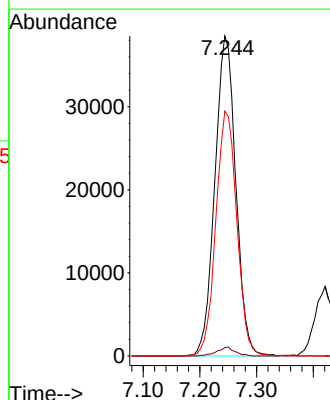
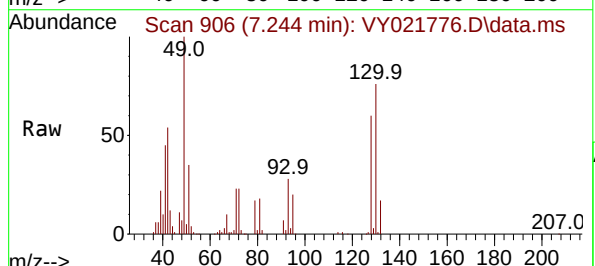
Tgt Ion: 49 Resp: 98842

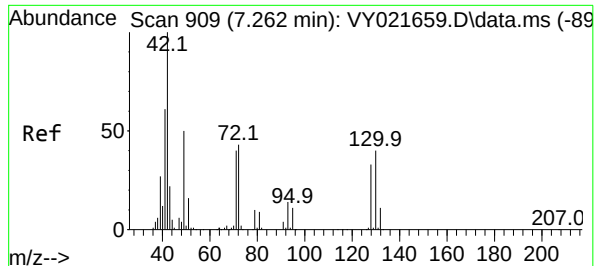
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

130 76.6 60.1 90.1





#29

Tetrahydrofuran

Concen: 221.852 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 103430

Ion Ratio Lower Upper

42 100

72 42.7 34.6 52.0

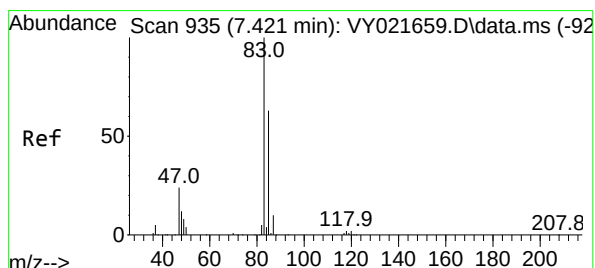
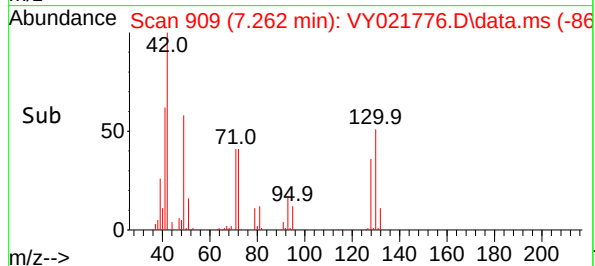
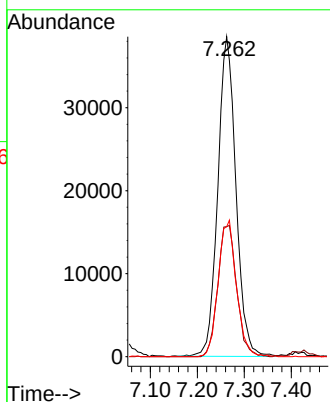
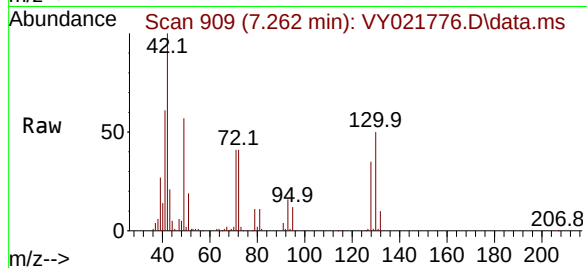
71 42.9 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#30

Chloroform

Concen: 46.388 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021776.D

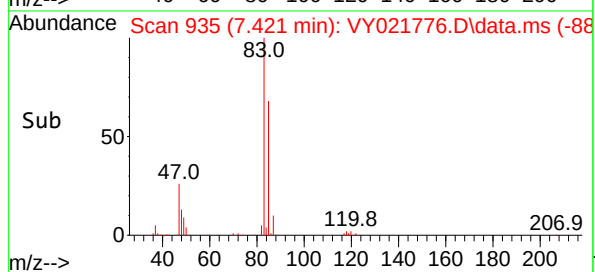
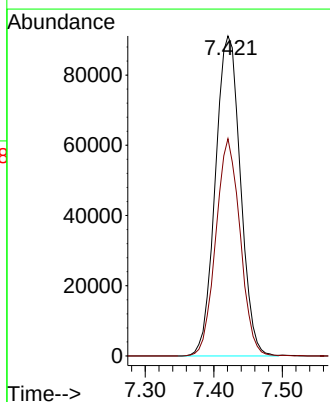
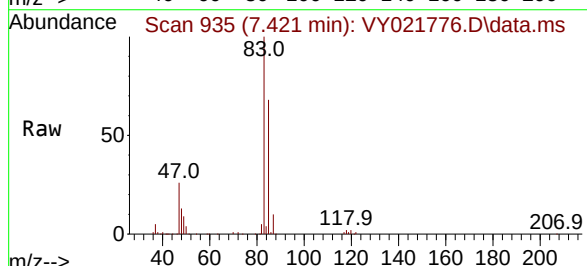
Acq: 04 Apr 2025 09:22

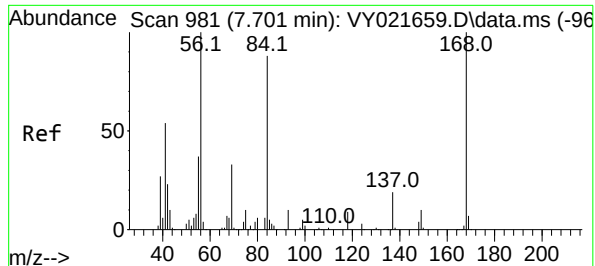
Tgt Ion: 83 Resp: 231492

Ion Ratio Lower Upper

83 100

85 67.9 50.6 75.8





#31

Cyclohexane

Concen: 44.882 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 196299

Ion Ratio Lower Upper

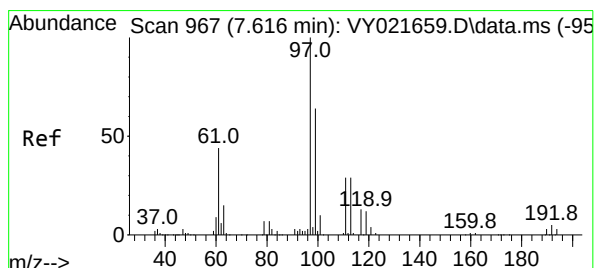
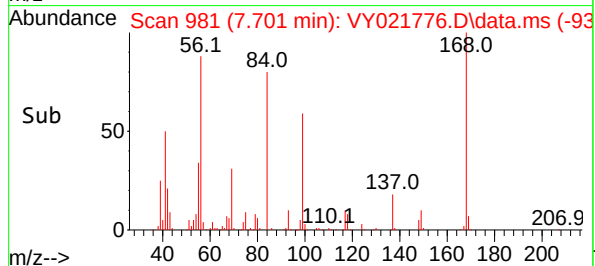
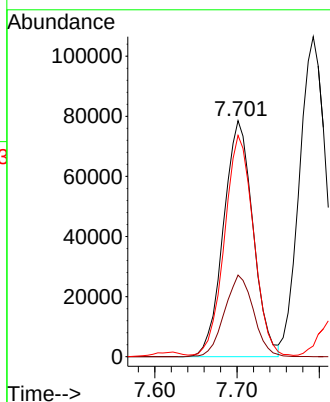
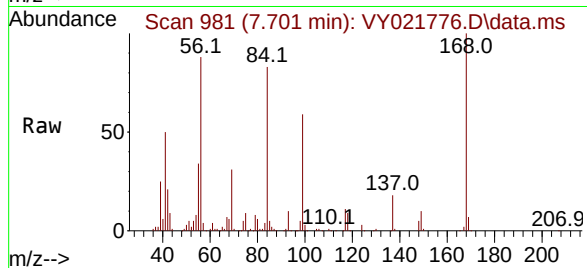
56 100

69 34.6 26.6 40.0

84 92.3 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#32

1,1,1-Trichloroethane

Concen: 46.549 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

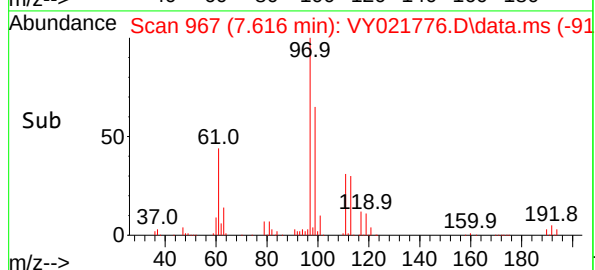
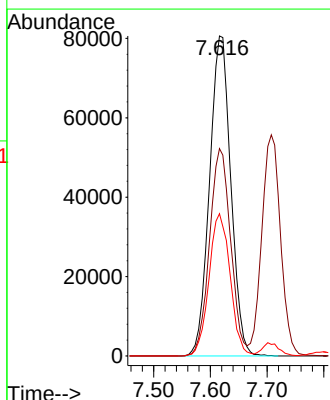
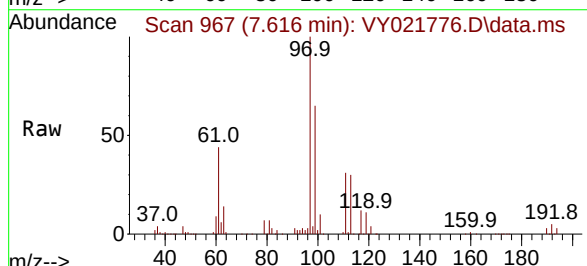
Tgt Ion: 97 Resp: 209951

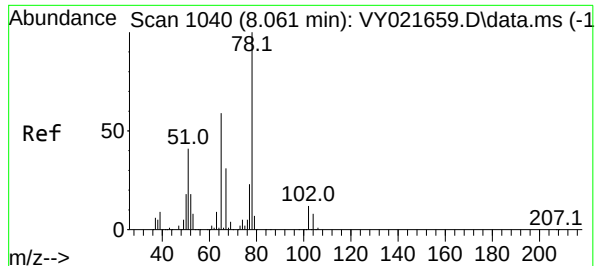
Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

61 44.3 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.189 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 121890

Ion Ratio Lower Upper

65 100

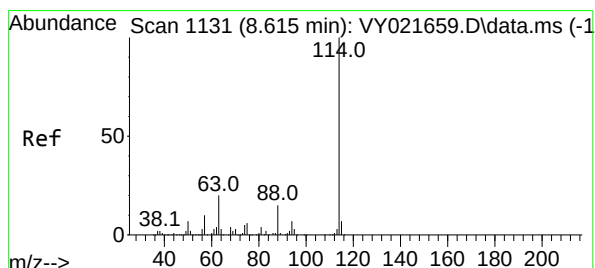
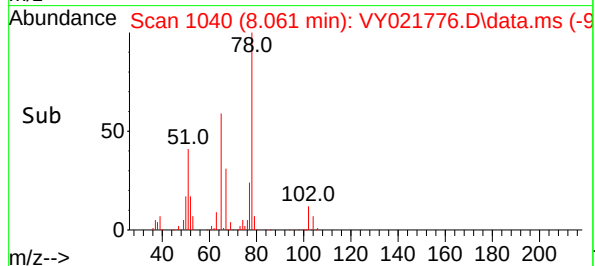
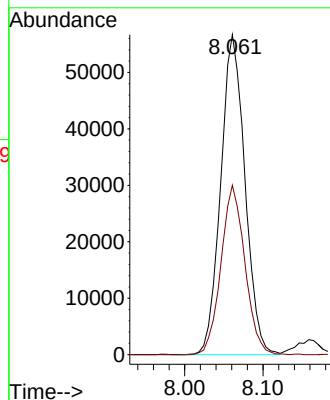
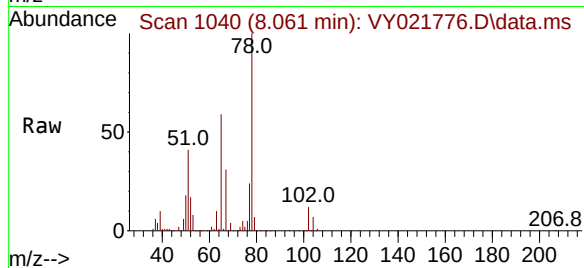
67 52.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

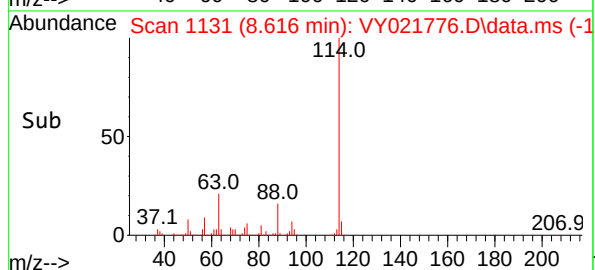
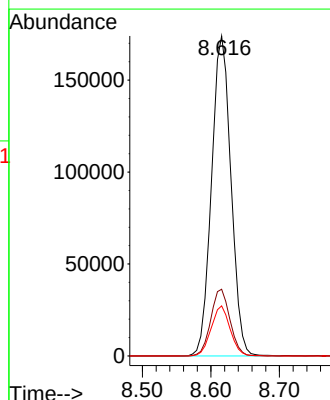
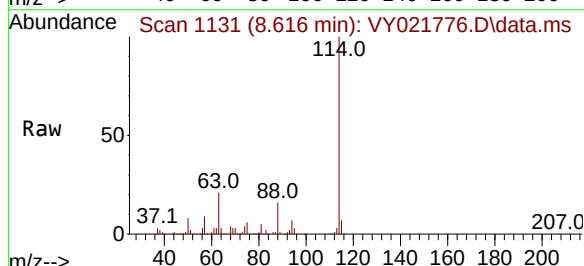
Tgt Ion:114 Resp: 342799

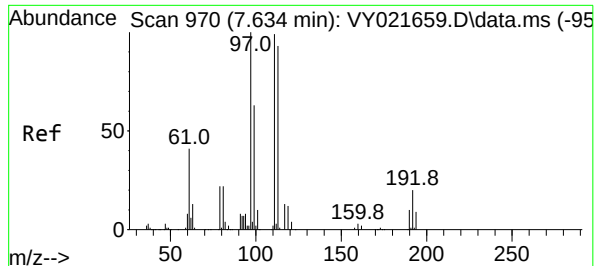
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.952 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 11552

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

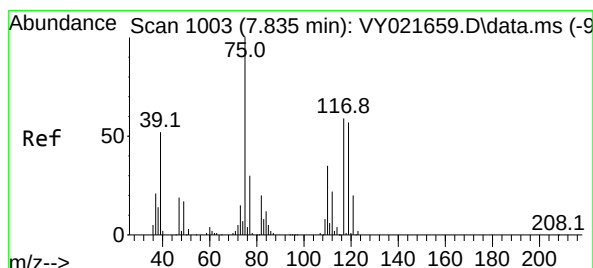
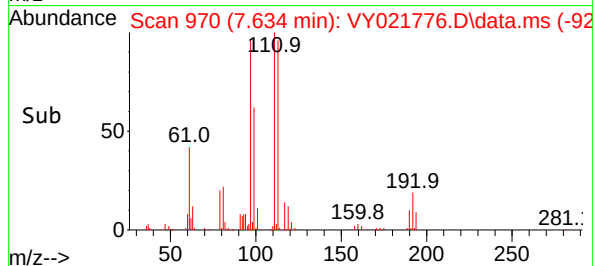
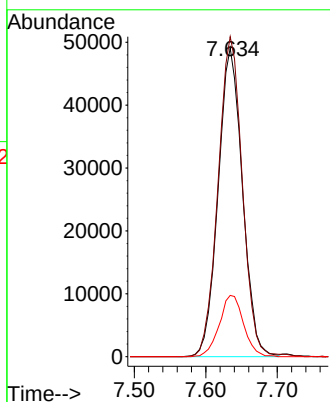
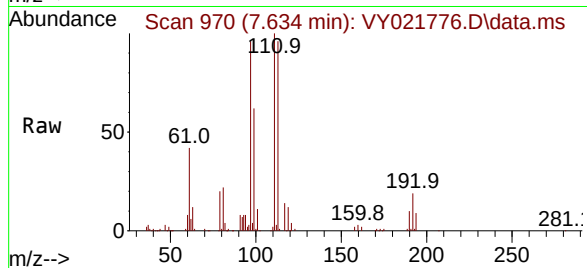
192 19.9 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#36

1,1-Dichloropropene

Concen: 50.100 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

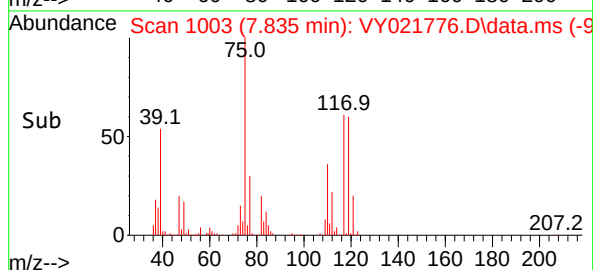
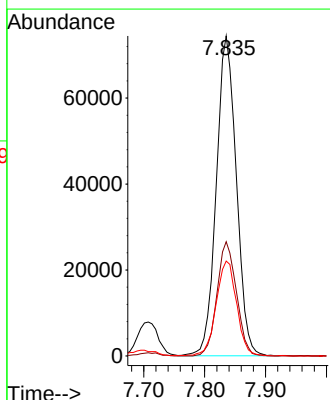
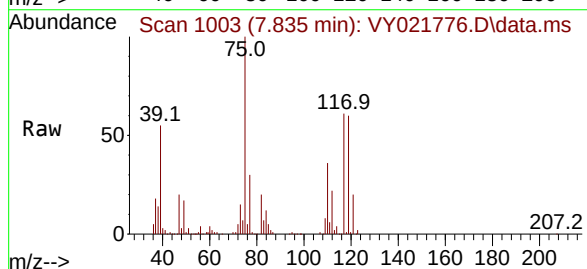
Tgt Ion: 75 Resp: 169689

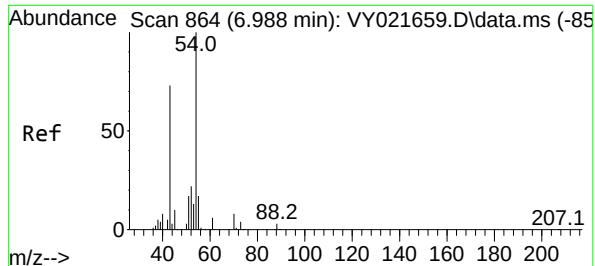
Ion Ratio Lower Upper

75 100

110 34.7 17.0 50.9

77 30.4 24.8 37.2





#37

Ethyl Acetate

Concen: 44.748 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

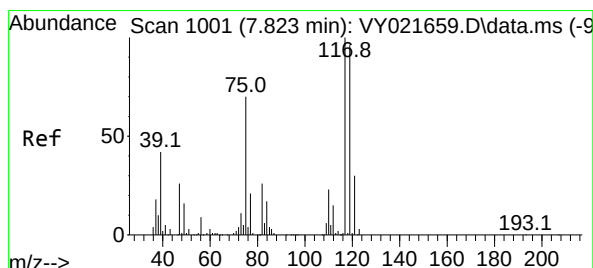
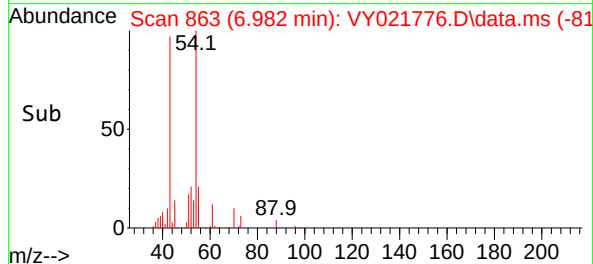
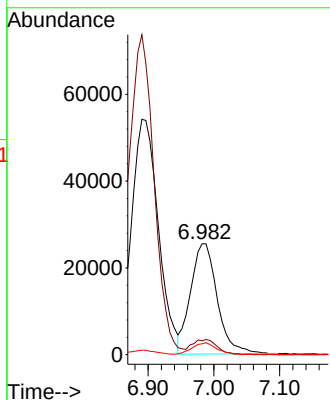
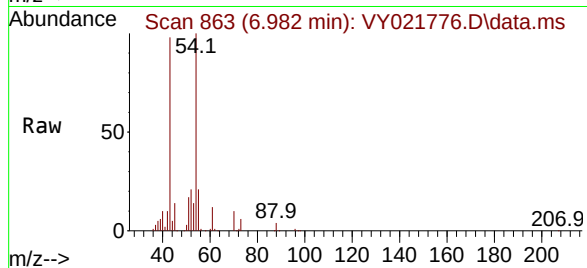
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	71529
Ion Ratio	Lower	Upper	
43	100		
61	12.2	11.0	16.6
70	10.1	8.1	12.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#38

Carbon Tetrachloride

Concen: 49.520 ug/l

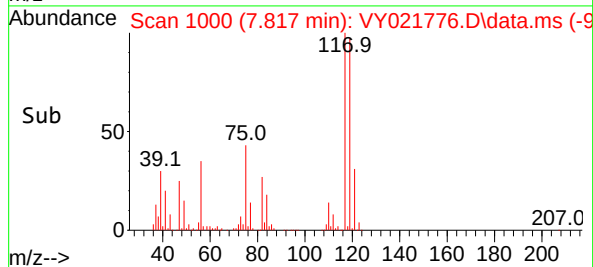
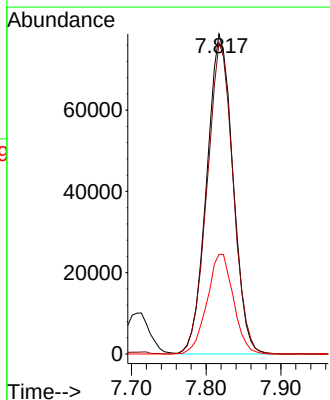
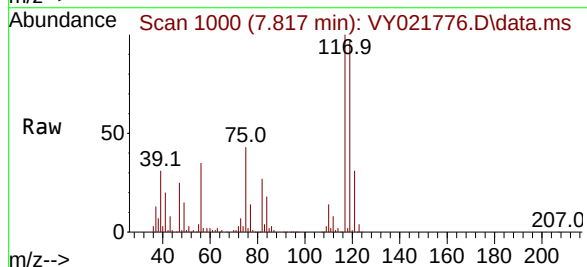
RT: 7.817 min Scan# 1000

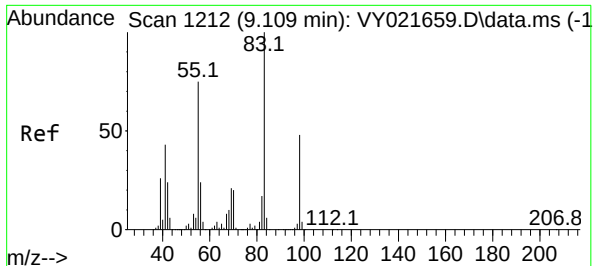
Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:	117	Resp:	192102
Ion Ratio	Lower	Upper	
117	100		
119	97.4	76.2	114.4
121	31.1	24.2	36.4





#39

Methylcyclohexane

Concen: 50.518 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 20440

Ion Ratio Lower Upper

83 100

55 76.6 59.7 89.5

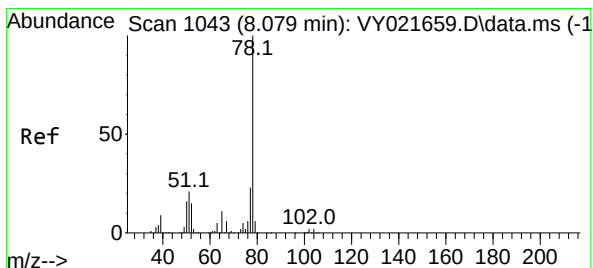
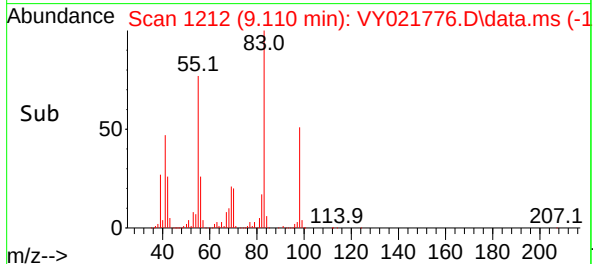
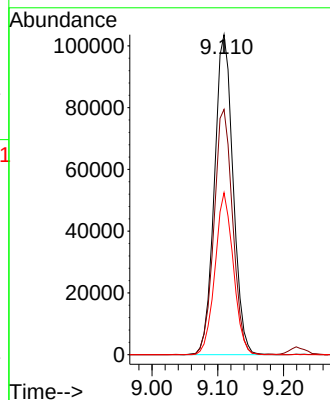
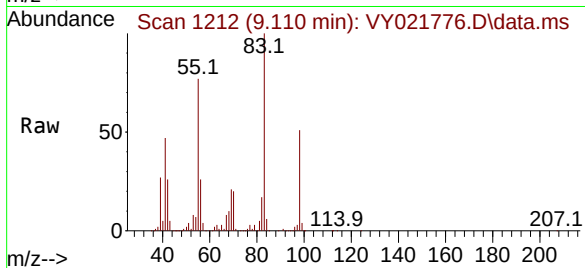
98 50.6 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#40

Benzene

Concen: 49.278 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021776.D

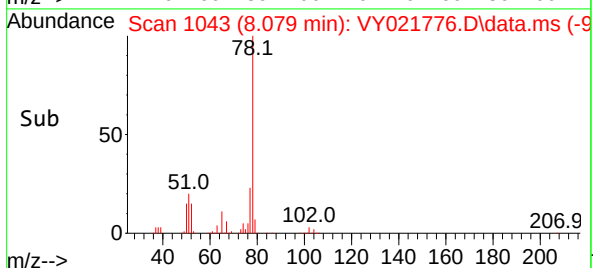
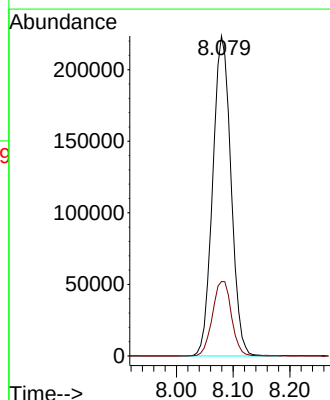
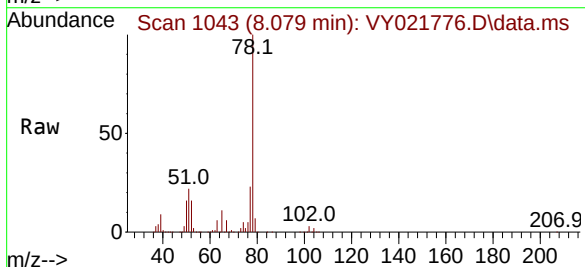
Acq: 04 Apr 2025 09:22

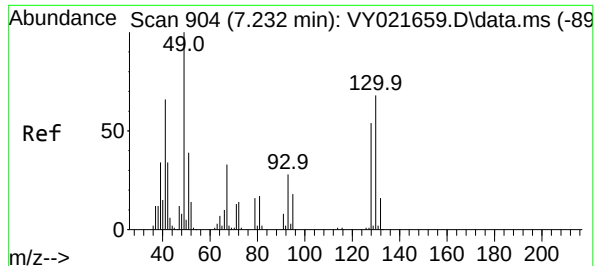
Tgt Ion: 78 Resp: 499841

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2





#41

Methacrylonitrile

Concen: 43.428 ug/l

RT: 7.220 min Scan# 904

Delta R.T. -0.012 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 3686

Ion Ratio Lower Upper

41 100

39 64.9 0.0 0.0

67 81.4 0.0 0.0

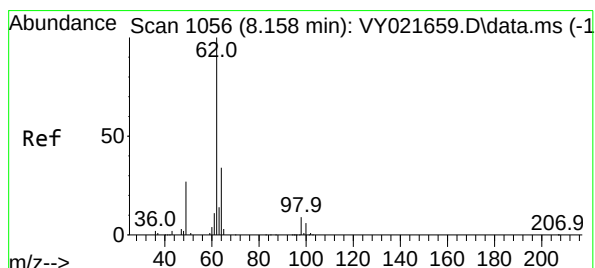
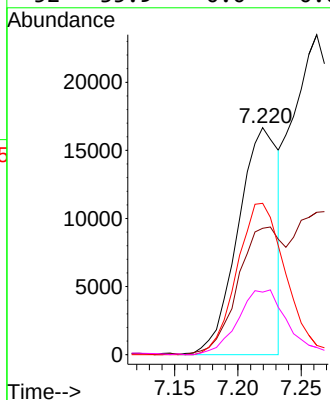
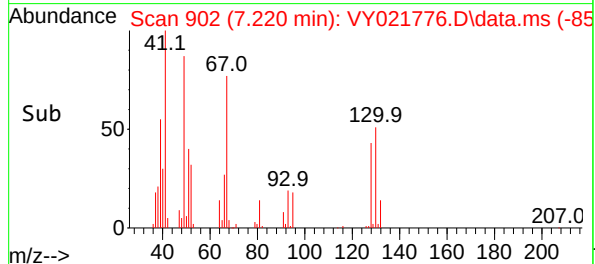
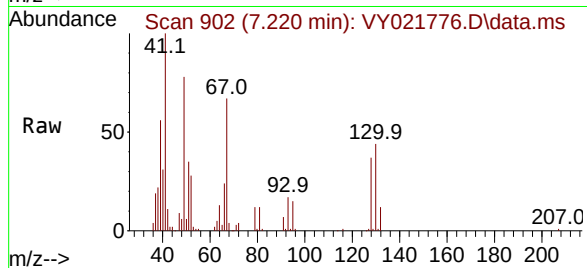
52 35.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#42

1,2-Dichloroethane

Concen: 48.074 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021776.D

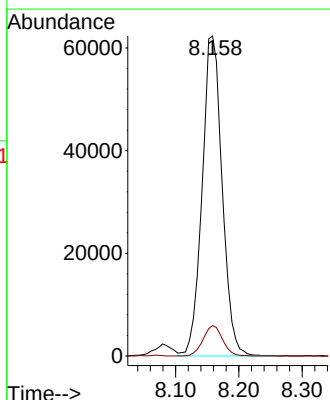
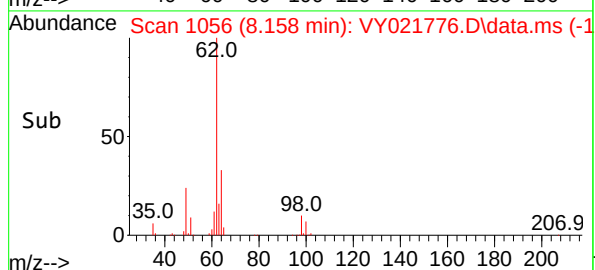
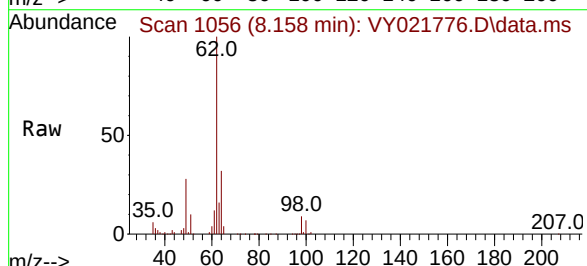
Acq: 04 Apr 2025 09:22

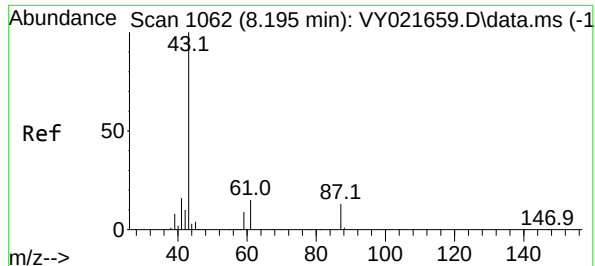
Tgt Ion: 62 Resp: 137468

Ion Ratio Lower Upper

62 100

98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 46.402 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 14056

Ion Ratio Lower Upper

43 100

61 20.1 15.9 23.9

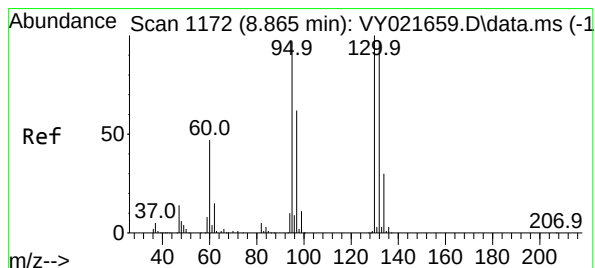
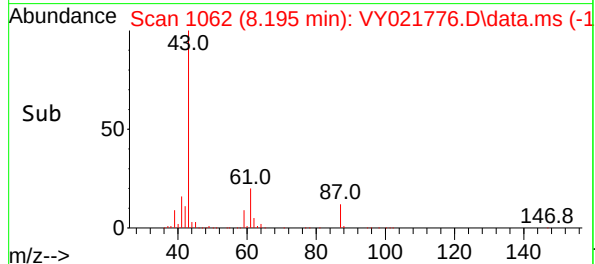
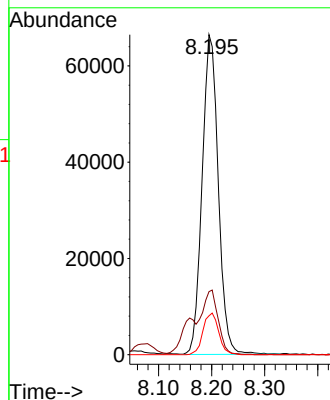
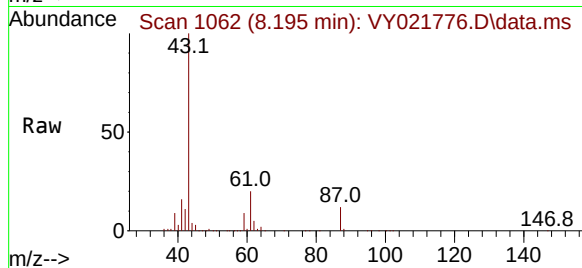
87 12.6 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#44

Trichloroethene

Concen: 49.692 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY021776.D

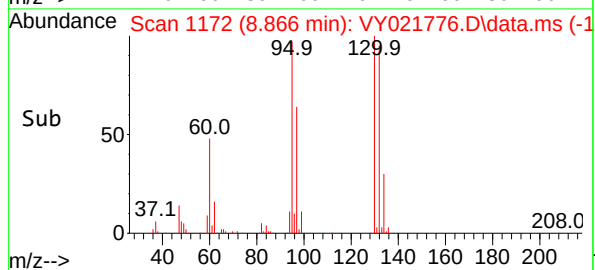
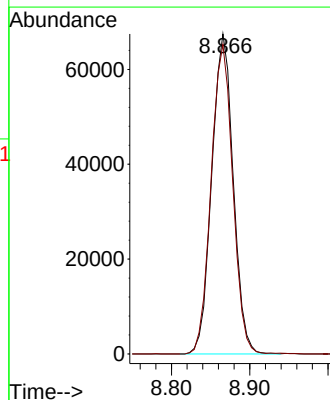
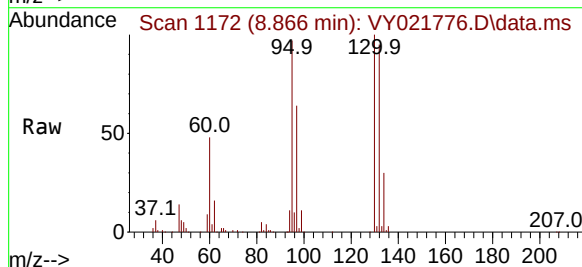
Acq: 04 Apr 2025 09:22

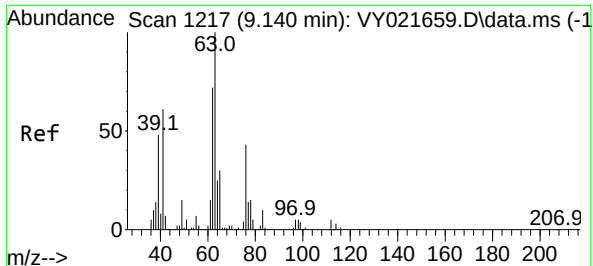
Tgt Ion:130 Resp: 128424

Ion Ratio Lower Upper

130 100

95 96.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 49.325 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 118428

Ion Ratio Lower Upper

63 100

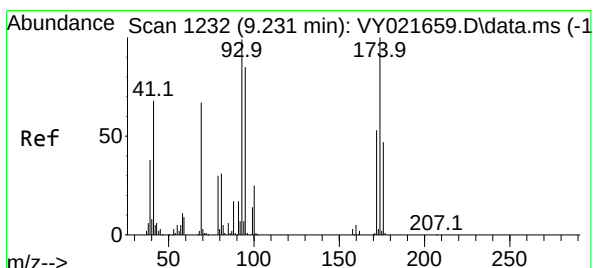
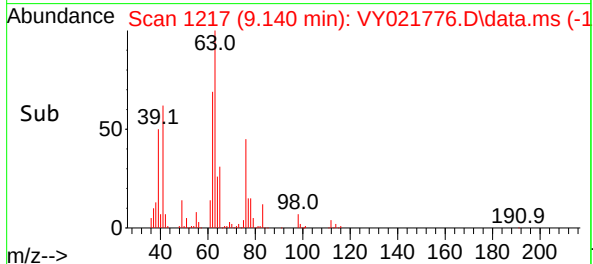
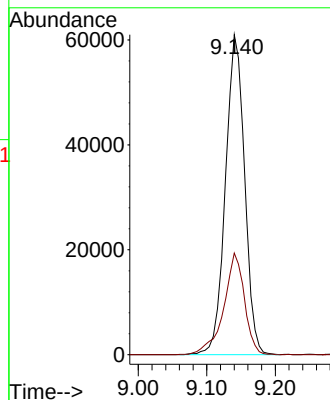
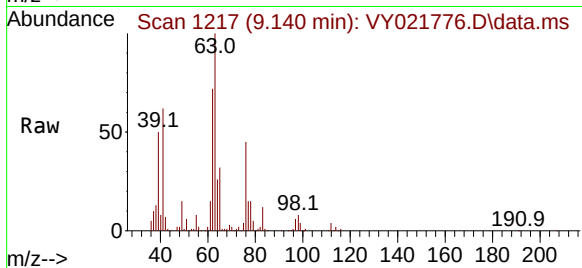
65 31.8 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#46

Dibromomethane

Concen: 48.116 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

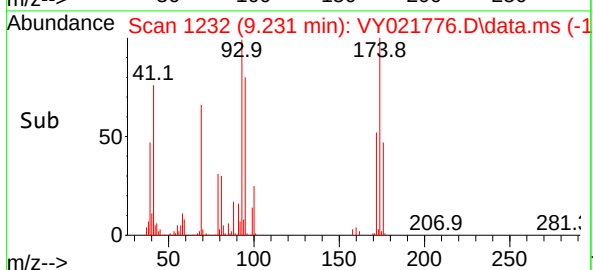
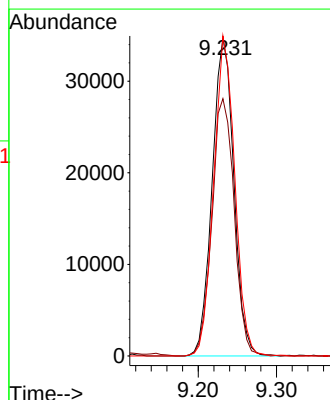
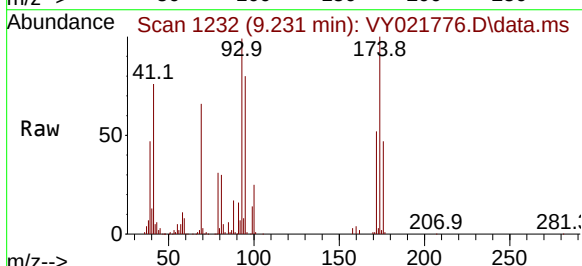
Tgt Ion: 93 Resp: 66580

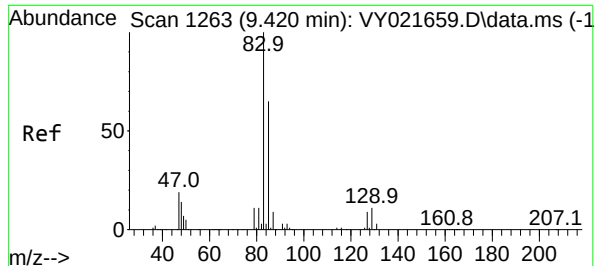
Ion Ratio Lower Upper

93 100

95 83.4 68.1 102.1

174 98.1 80.9 121.3





#47

Bromodichloromethane

Concen: 49.080 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

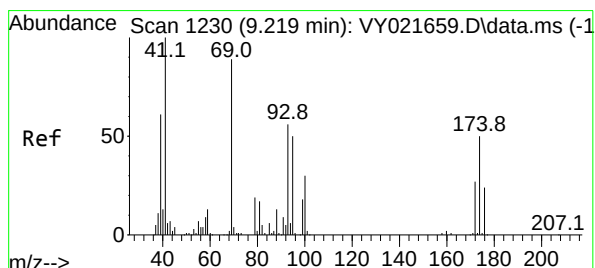
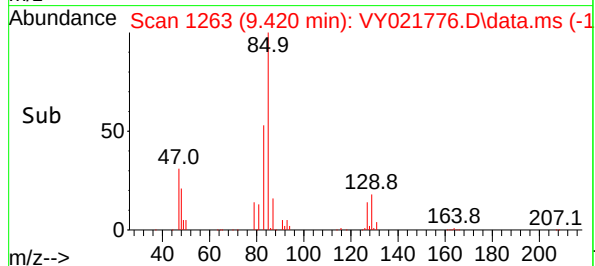
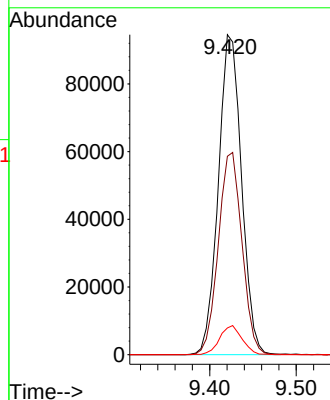
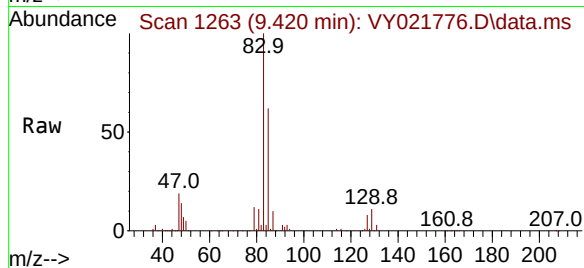
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	175970
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.6
127	8.3	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#48

Methyl methacrylate

Concen: 48.681 ug/l

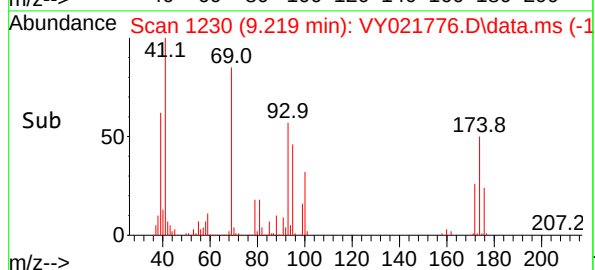
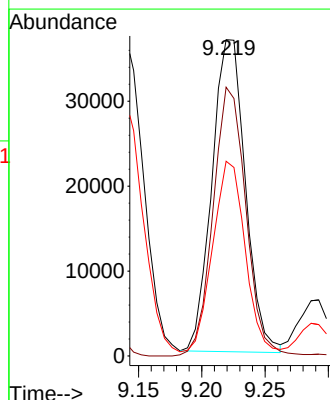
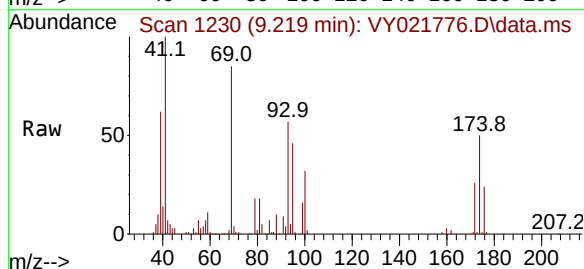
RT: 9.219 min Scan# 1230

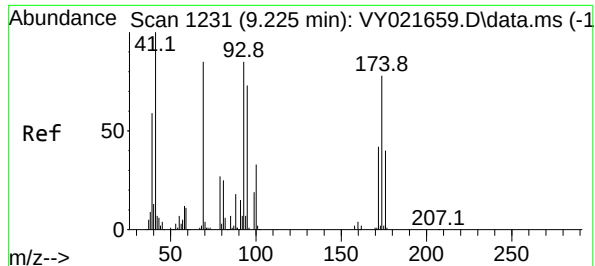
Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:	41	Resp:	67680
Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	59.0	47.2	70.8





#49

1,4-Dioxane

Concen: 916.931 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1359

Ion Ratio Lower Upper

88 100

43 33.9 28.8 43.2

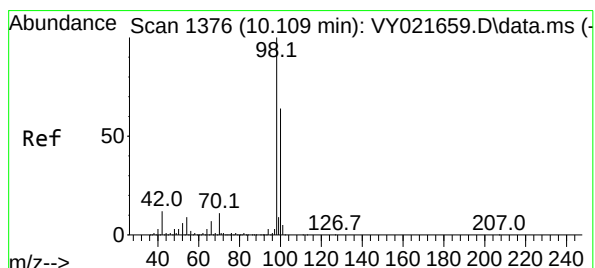
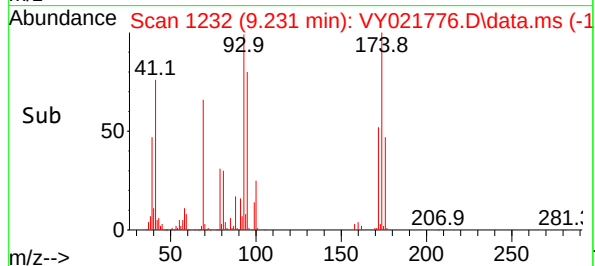
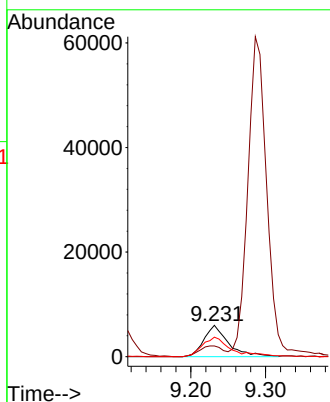
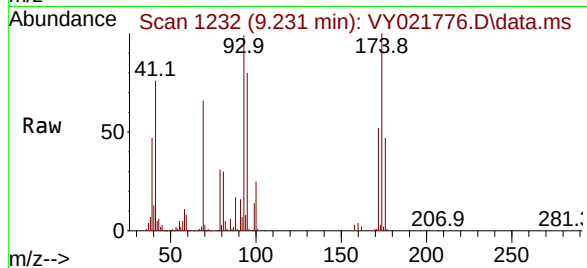
58 75.3 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#50

Toluene-d8

Concen: 52.794 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021776.D

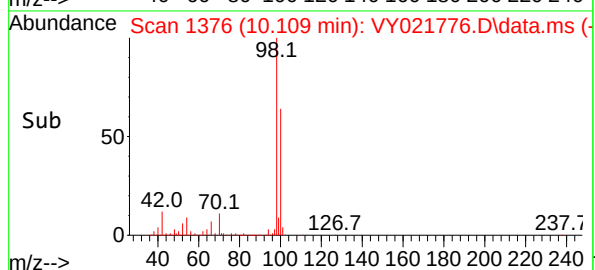
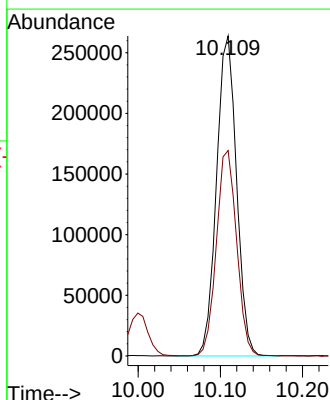
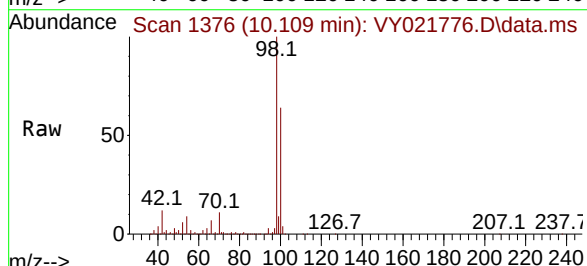
Acq: 04 Apr 2025 09:22

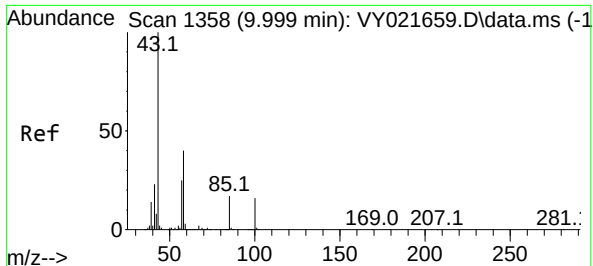
Tgt Ion: 98 Resp: 446617

Ion Ratio Lower Upper

98 100

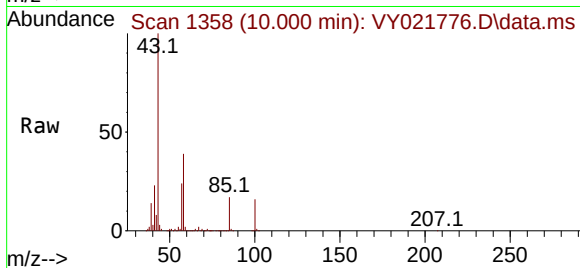
100 65.0 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 241.372 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

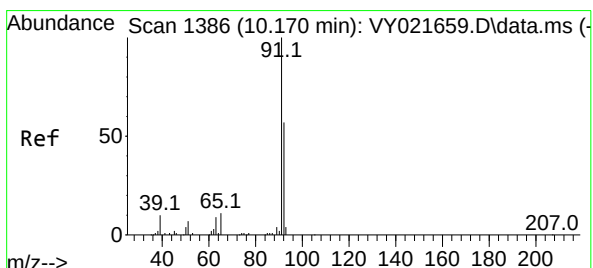
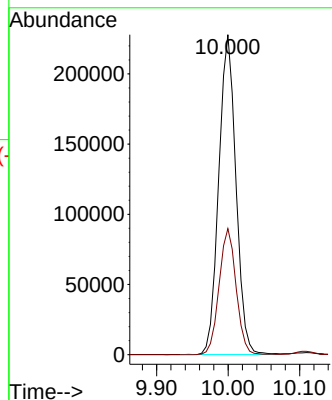
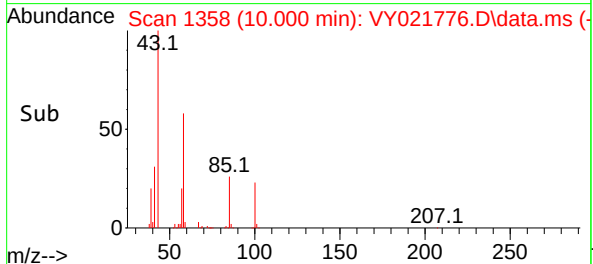
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



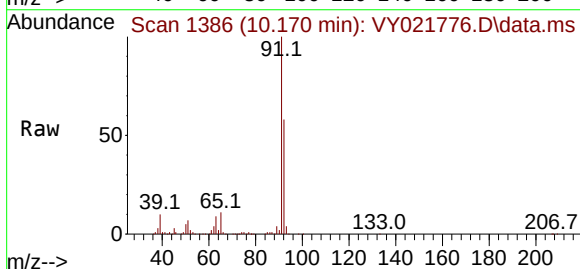
Tgt Ion: 43 Resp: 380500
Ion Ratio Lower Upper
43 100
58 39.0 31.5 47.3

Manual Integrations
APPROVED

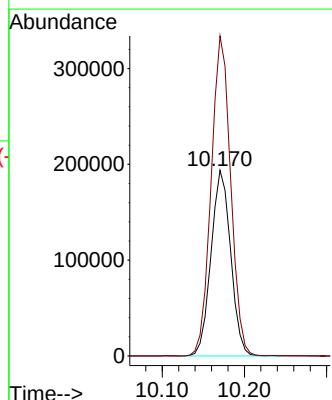
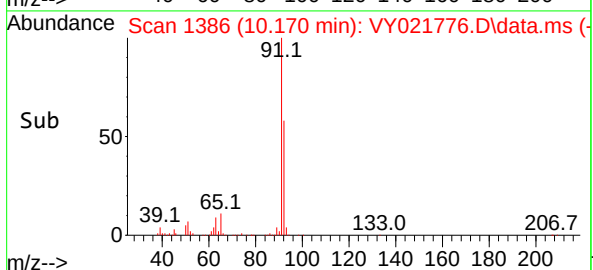
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

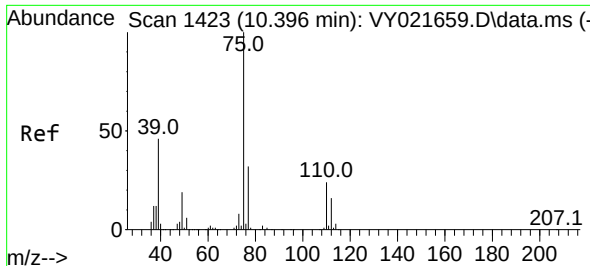


#52
Toluene
Concen: 50.737 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



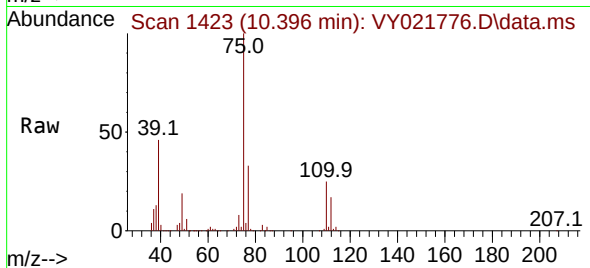
Tgt Ion: 92 Resp: 321091
Ion Ratio Lower Upper
92 100
91 171.7 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 49.181 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

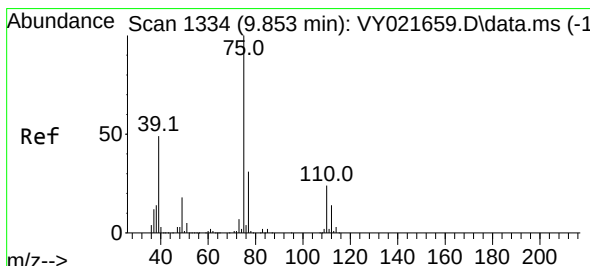
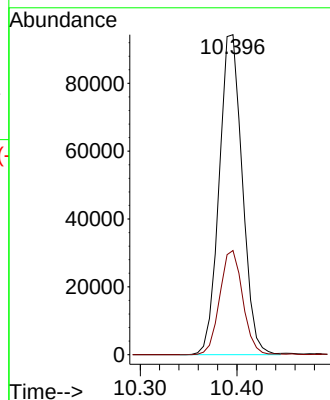
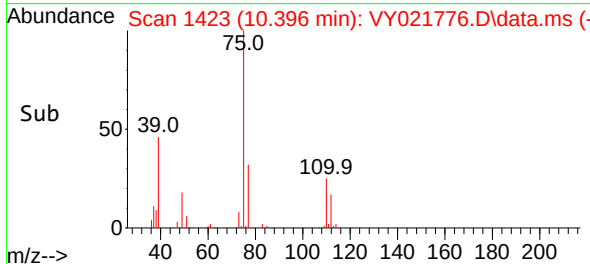
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 156628
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9

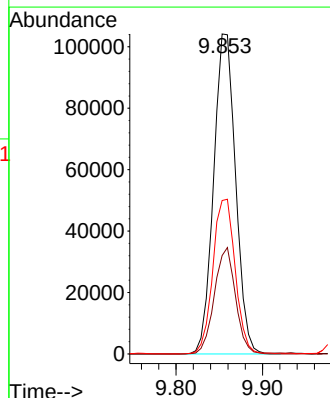
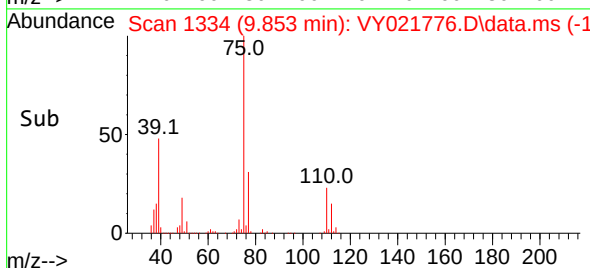
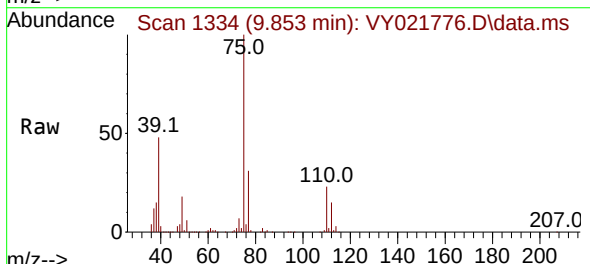
Manual Integrations
APPROVED

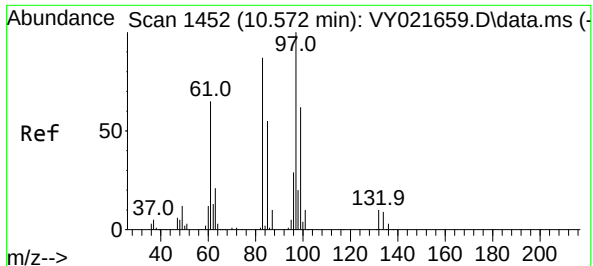
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#54
cis-1,3-Dichloropropene
Concen: 48.979 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

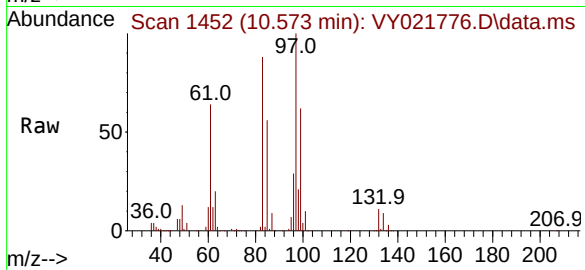
Tgt Ion: 75 Resp: 184020
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3
39 47.9 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 48.624 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

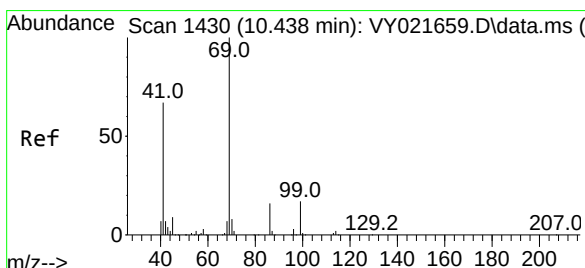
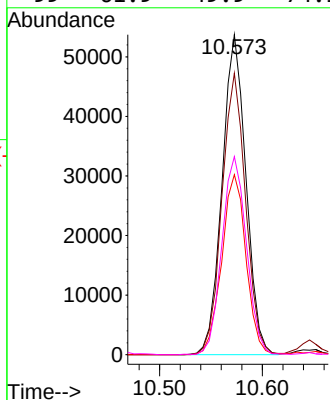
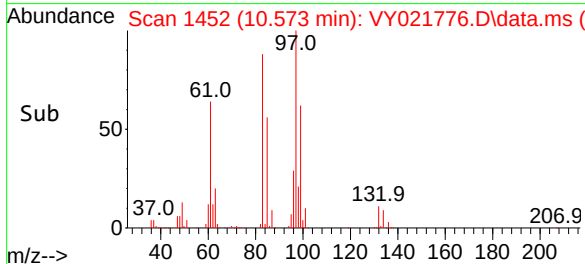
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



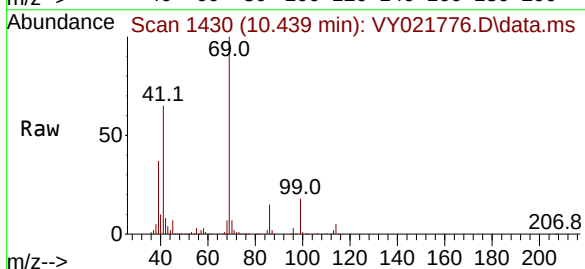
Tgt Ion: 97 Resp: 8658
Ion Ratio Lower Upper
97 100
83 88.0 69.5 104.3
85 56.2 43.9 65.9
99 61.9 49.9 74.9

Manual Integrations
APPROVED

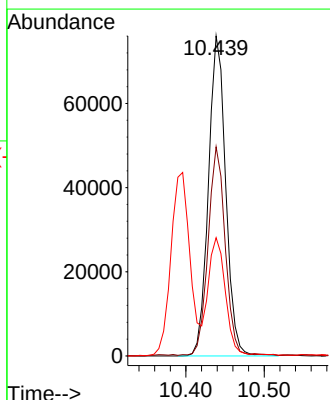
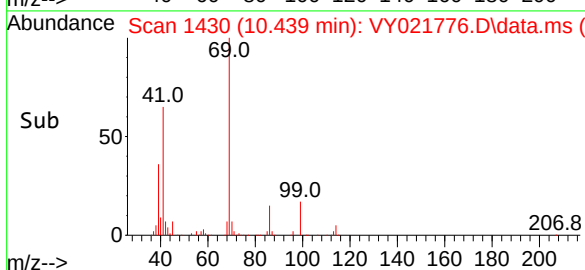
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

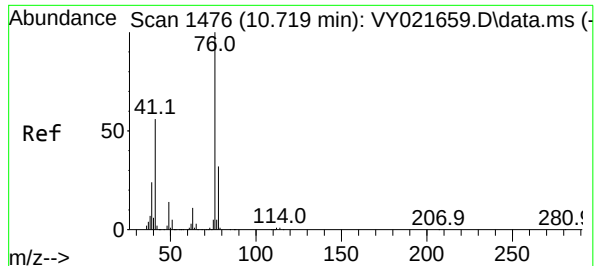


#56
Ethyl methacrylate
Concen: 51.235 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



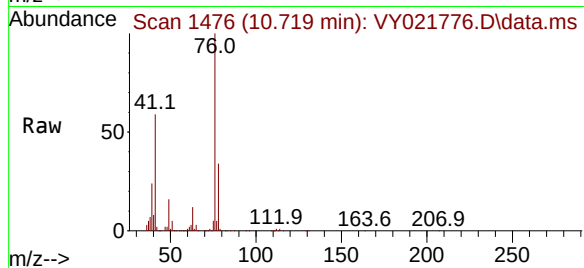
Tgt Ion: 69 Resp: 116496
Ion Ratio Lower Upper
69 100
41 64.7 53.8 80.6
39 36.1 29.6 44.4





#57
1,3-Dichloropropane
Concen: 49.355 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

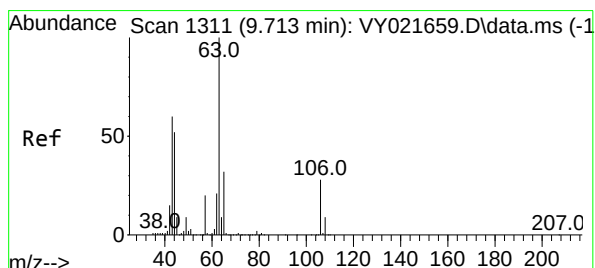
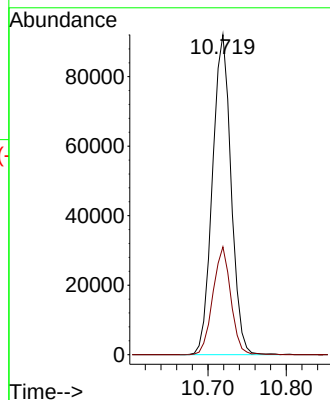
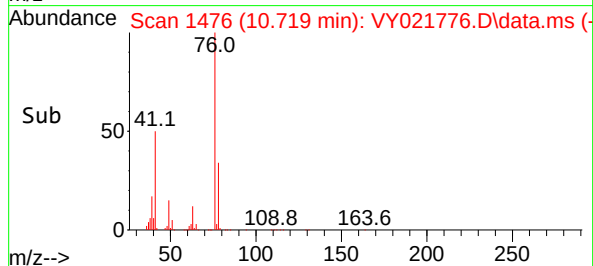
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 15178
Ion Ratio Lower Upper
76 100
78 32.5 25.8 38.8

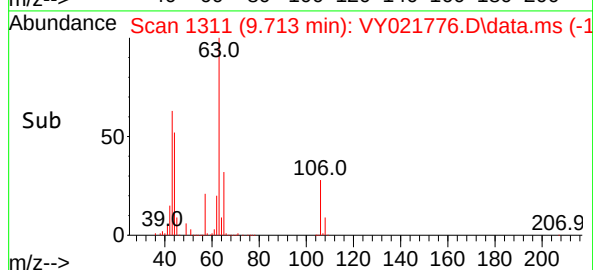
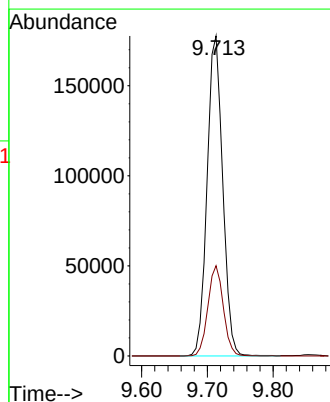
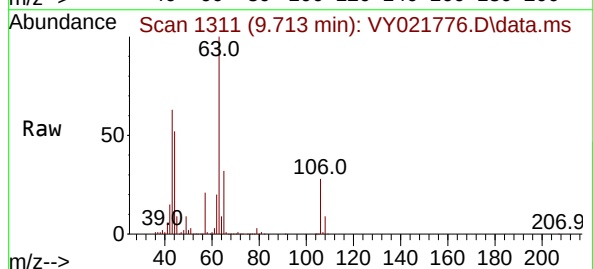
Manual Integrations
APPROVED

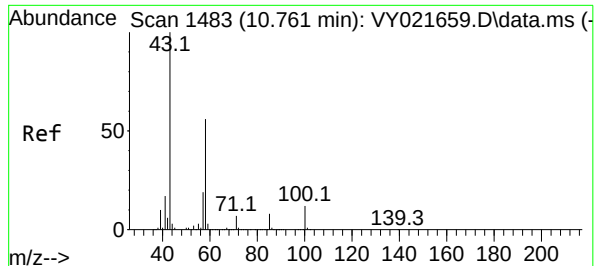
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#58
2-Chloroethyl Vinyl ether
Concen: 264.232 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 293090
Ion Ratio Lower Upper
63 100
106 27.9 22.4 33.6





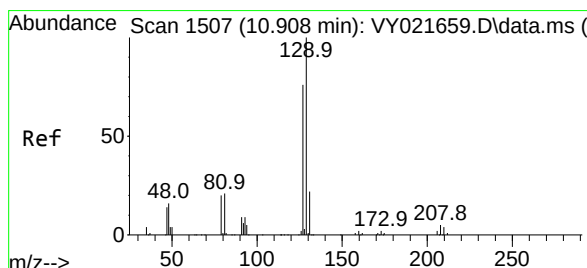
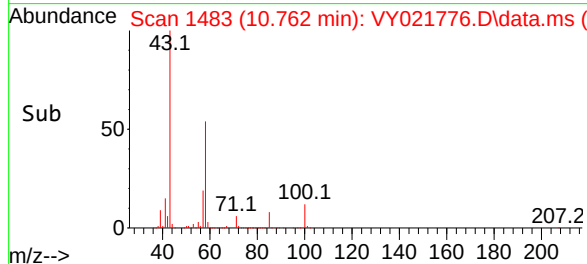
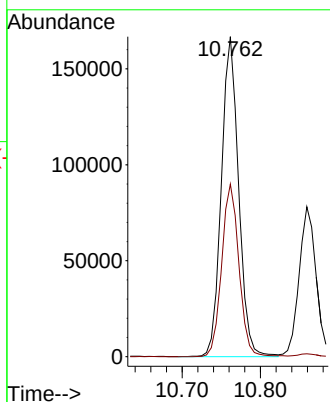
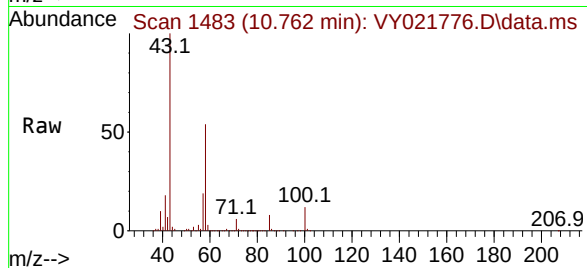
#59
2-Hexanone
Concen: 243.569 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 25571
Ion Ratio Lower Upper
43 100
58 54.0 27.2 81.5

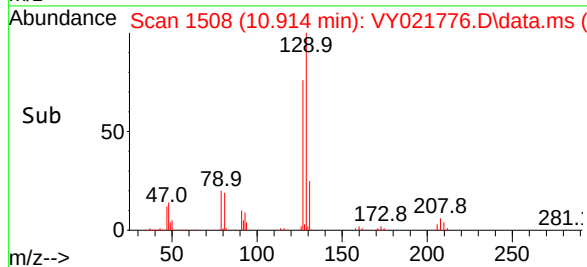
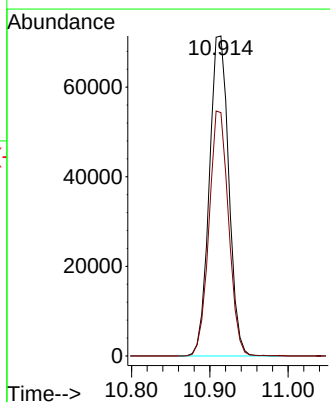
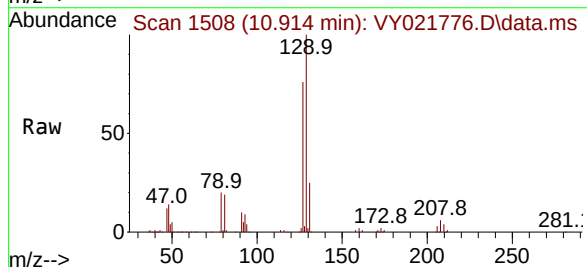
Manual Integrations
APPROVED

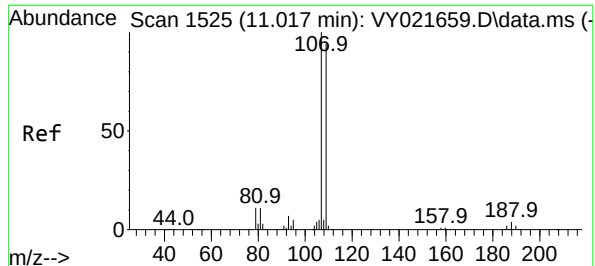
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#60
Dibromochloromethane
Concen: 50.684 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:129 Resp: 123226
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





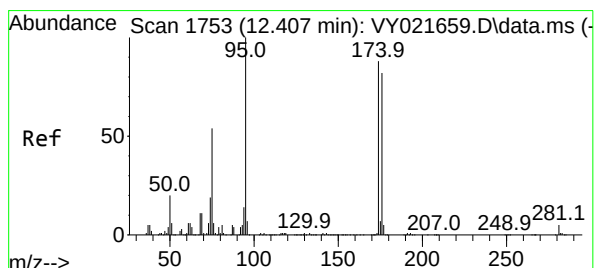
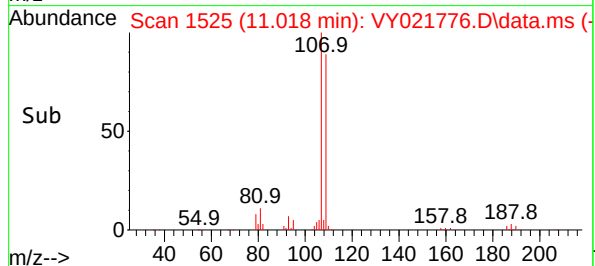
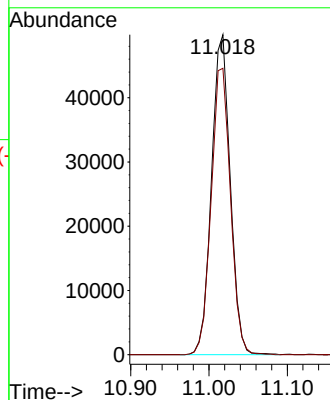
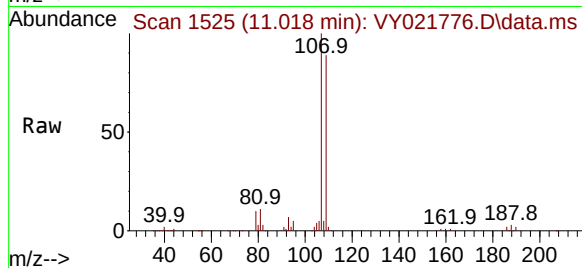
#61
1,2-Dibromoethane
Concen: 49.485 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 82662
Ion Ratio Lower Upper
107 100
109 92.4 74.4 111.6

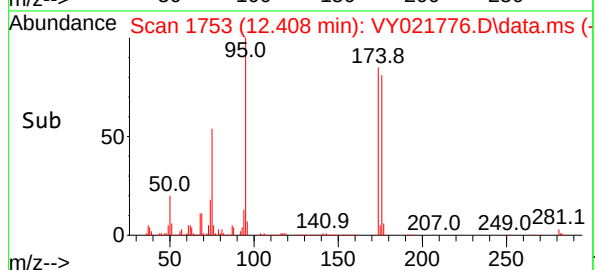
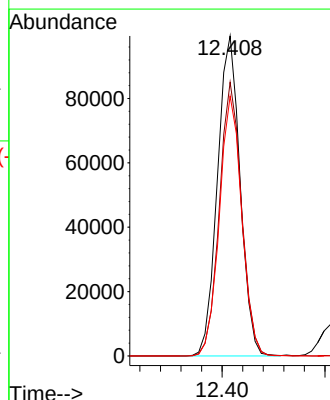
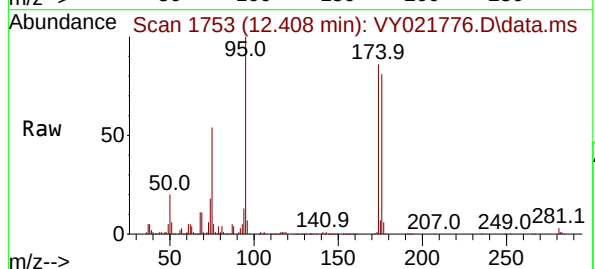
Manual Integrations
APPROVED

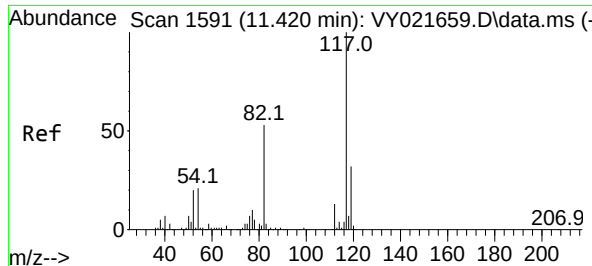
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#62
4-Bromofluorobenzene
Concen: 52.928 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

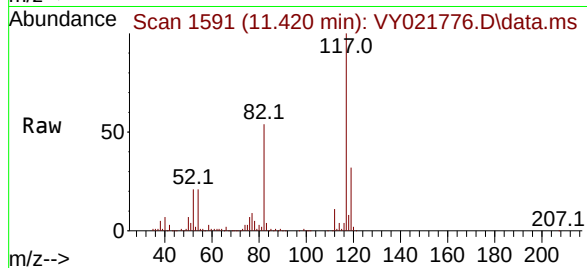
Tgt Ion: 95 Resp: 151449
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 80.4 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

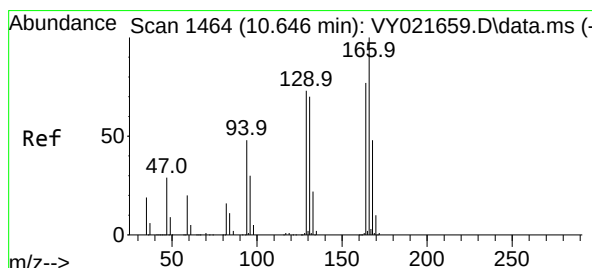
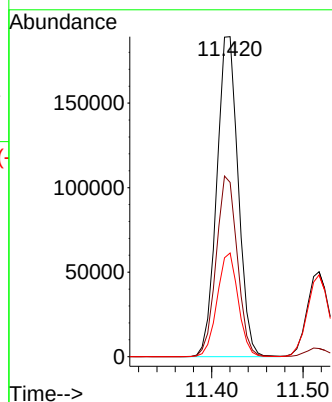
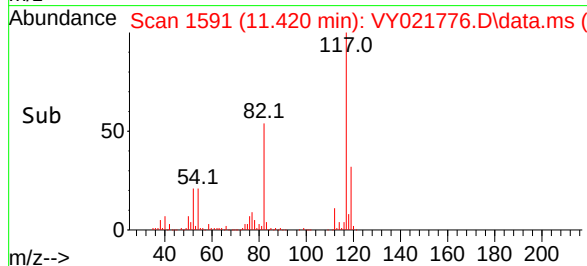
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



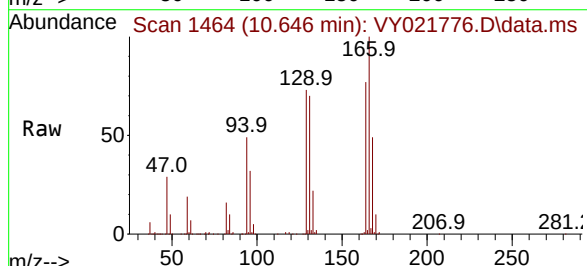
Tgt Ion:117 Resp: 30877
Ion Ratio Lower Upper
117 100
82 54.4 42.8 64.2
119 32.4 25.7 38.5

Manual Integrations
APPROVED

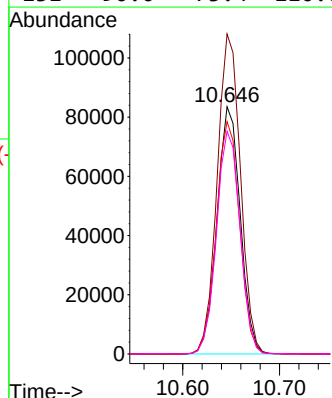
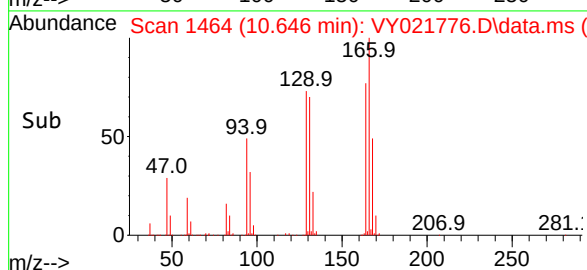
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

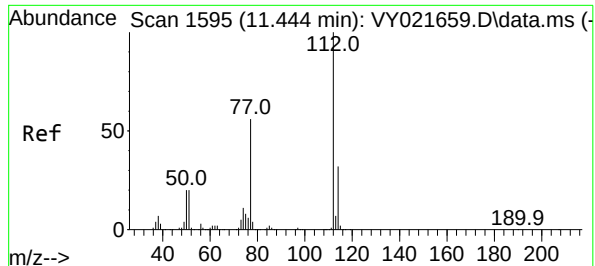


#64
Tetrachloroethene
Concen: 49.667 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



Tgt Ion:164 Resp: 139676
Ion Ratio Lower Upper
164 100
166 129.4 104.6 156.8
129 93.9 76.6 114.8
131 90.0 73.4 110.0





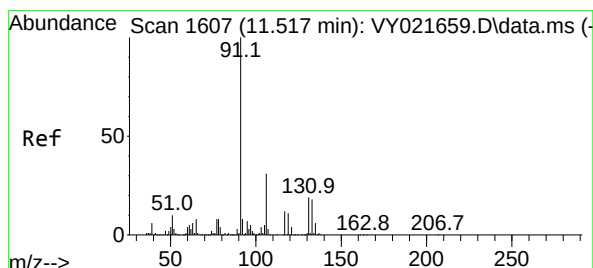
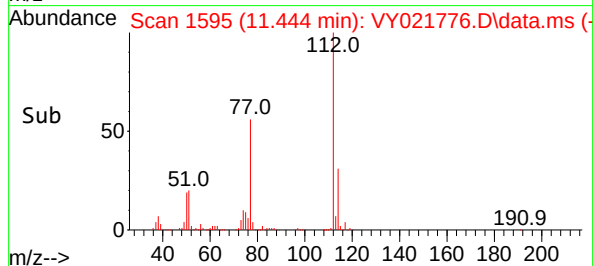
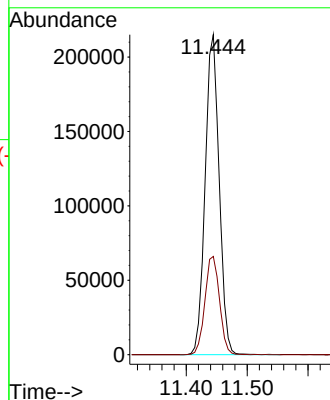
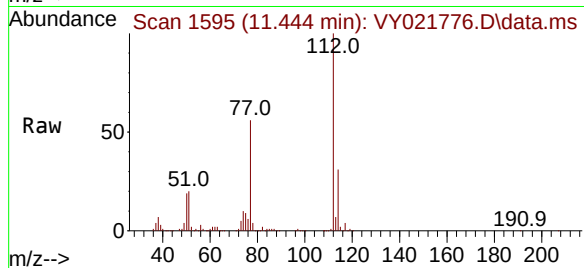
#65
Chlorobenzene
Concen: 48.533 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 34352
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9

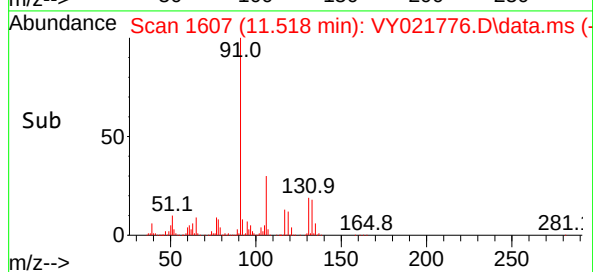
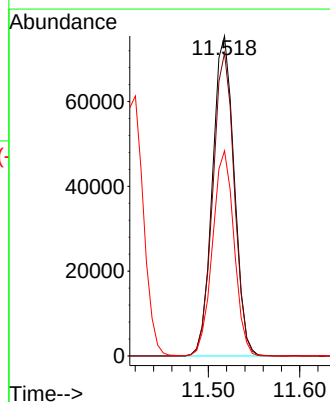
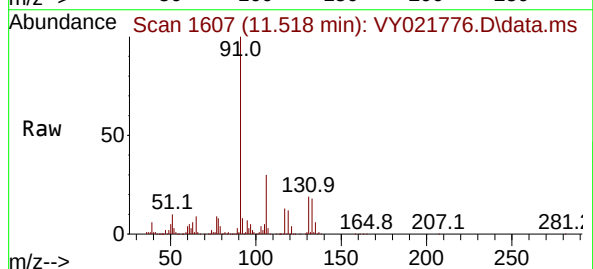
Manual Integrations
APPROVED

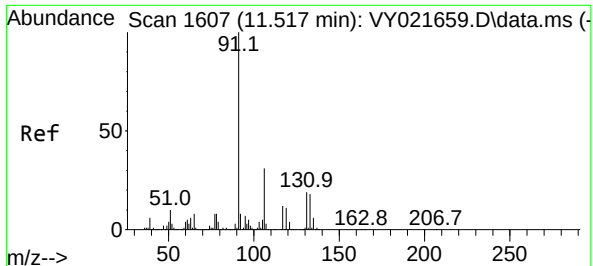
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.482 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:131 Resp: 124267
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 63.8 31.6 95.0





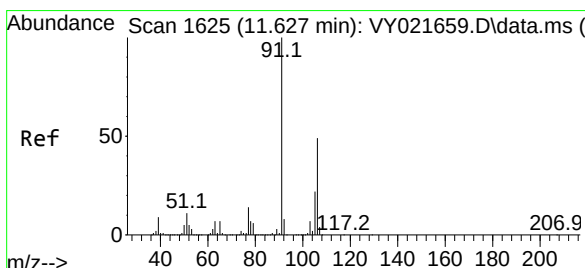
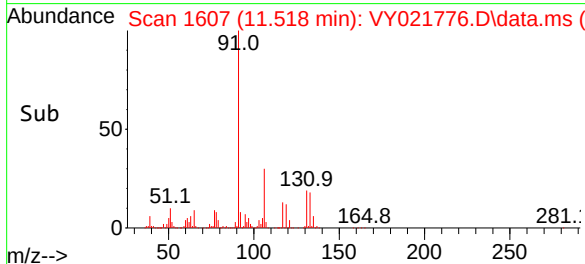
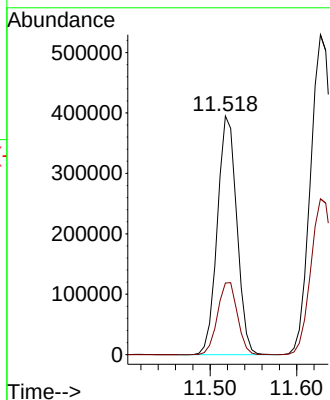
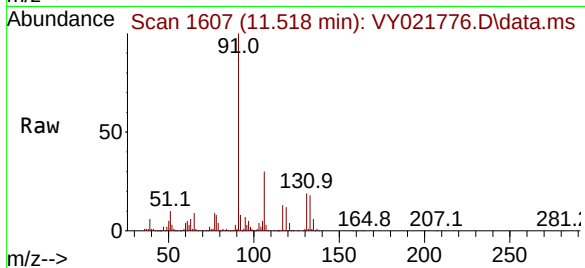
#67
Ethyl Benzene
Concen: 50.727 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 615700
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8

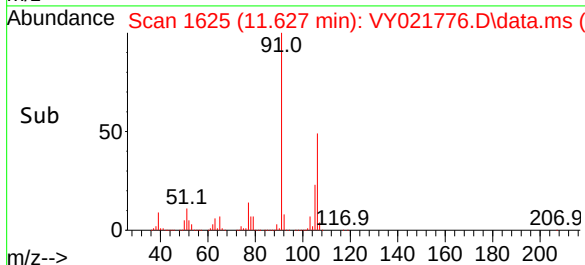
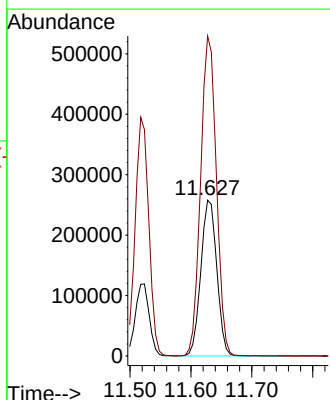
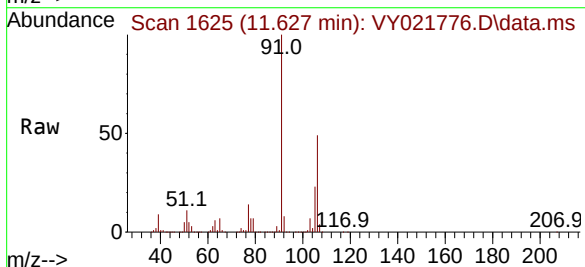
Manual Integrations
APPROVED

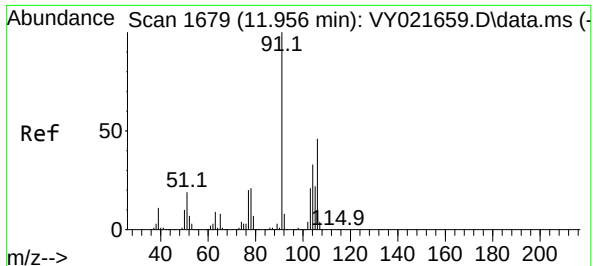
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#68
m/p-Xylenes
Concen: 101.155 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:106 Resp: 470149
Ion Ratio Lower Upper
106 100
91 203.2 162.4 243.6





#69

o-Xylene

Concen: 50.688 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 21746

Ion Ratio Lower Upper

106 100

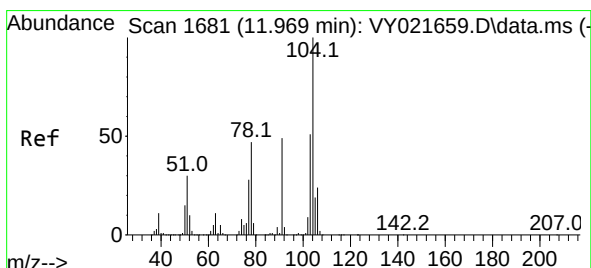
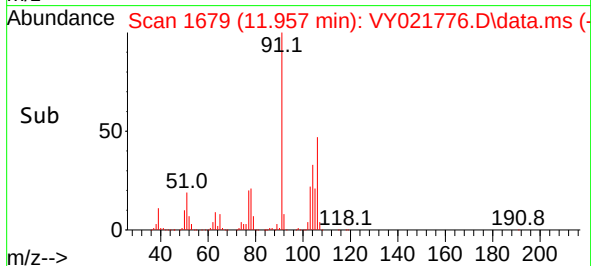
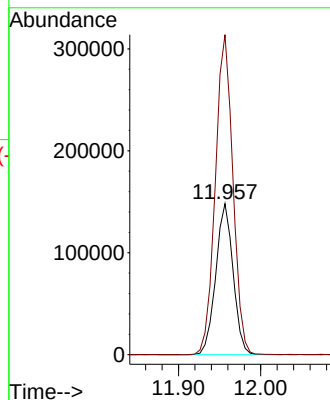
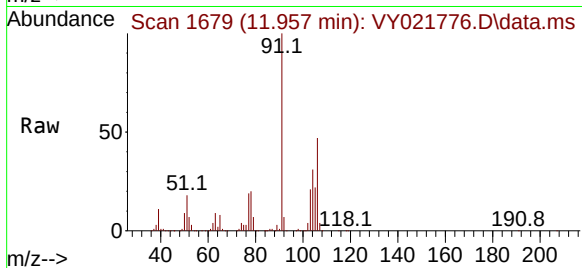
91 215.1 106.7 319.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#70

Styrene

Concen: 51.933 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

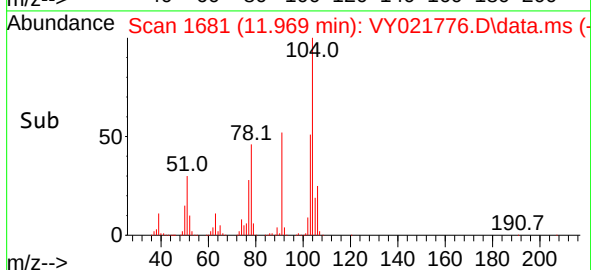
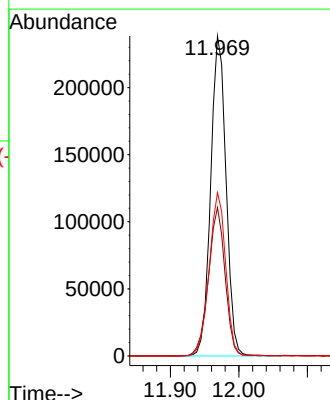
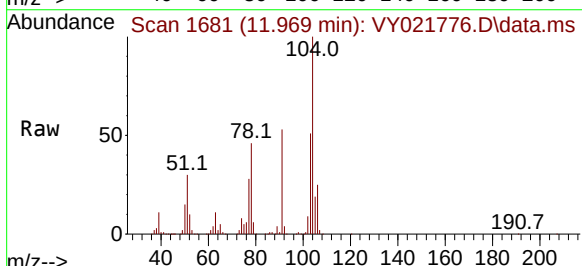
Tgt Ion:104 Resp: 371495

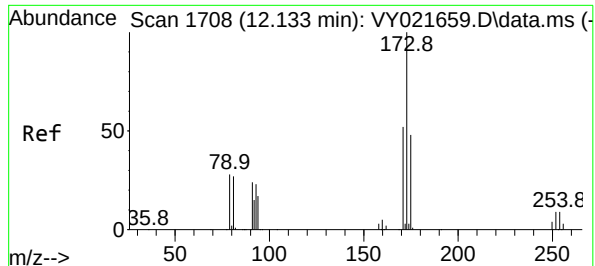
Ion Ratio Lower Upper

104 100

78 50.2 40.8 61.2

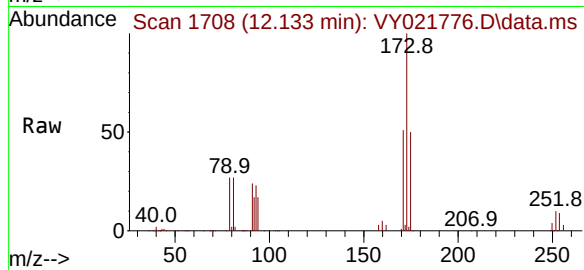
103 54.8 44.2 66.2





#71
Bromoform
Concen: 49.056 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

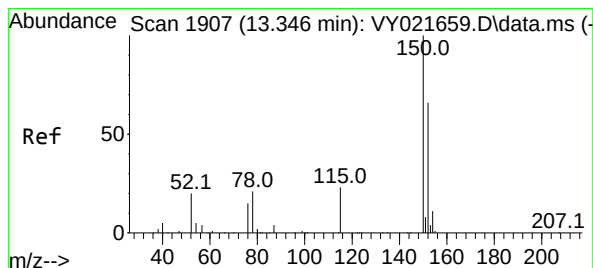
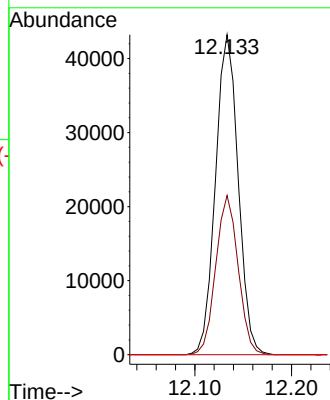
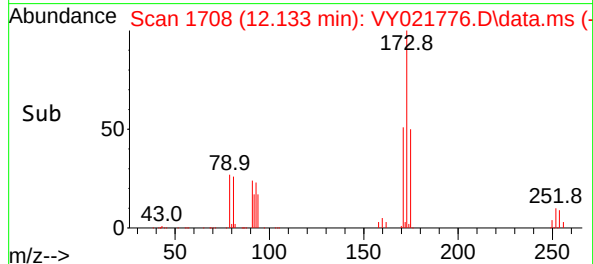
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



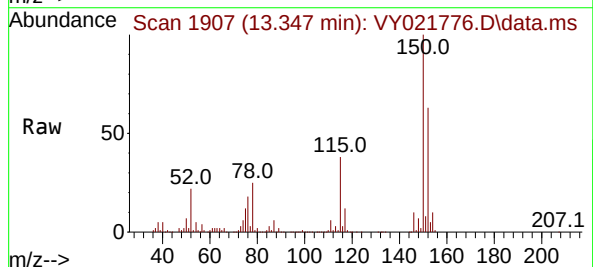
Tgt Ion:173 Resp: 70273
Ion Ratio Lower Upper
173 100
175 49.0 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

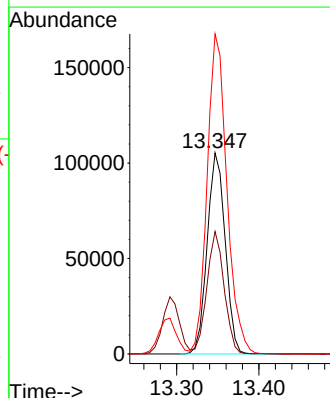
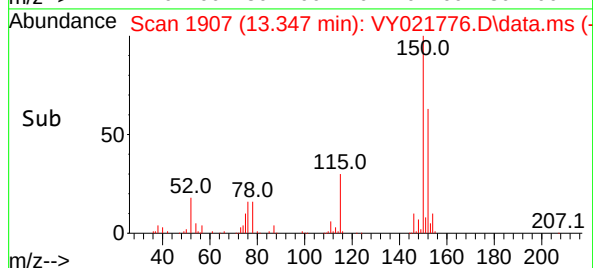
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

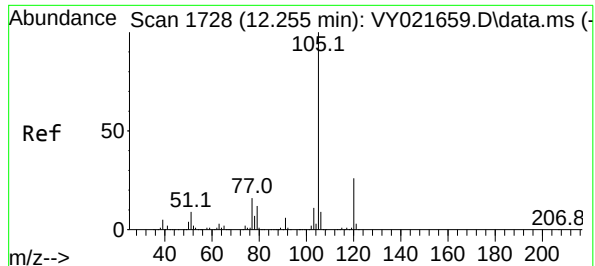


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



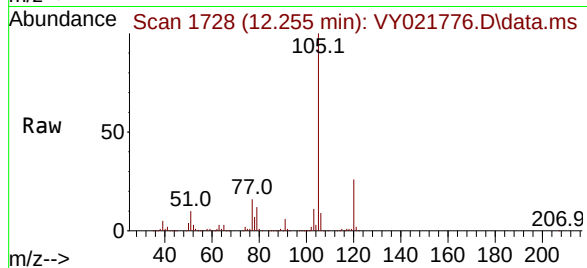
Tgt Ion:152 Resp: 160179
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 174.4 0.0 348.4





#73
Isopropylbenzene
Concen: 49.152 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

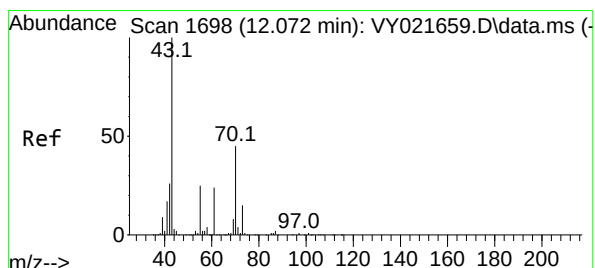
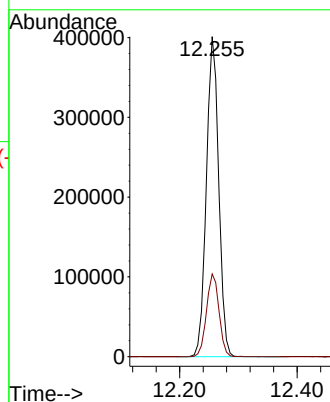
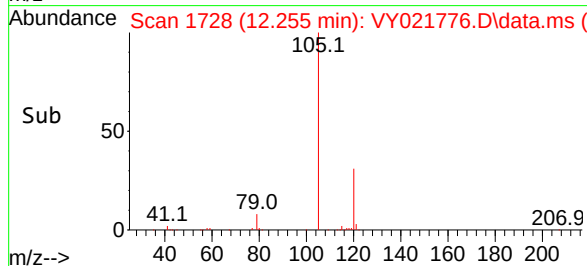
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



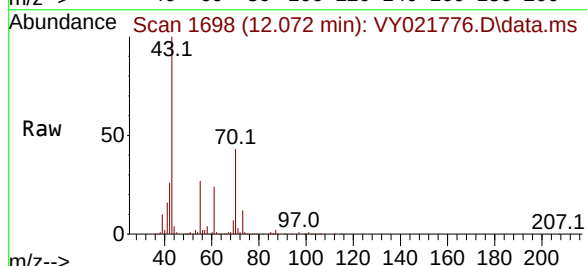
Tgt Ion: 105 Resp: 584770
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

Manual Integrations
APPROVED

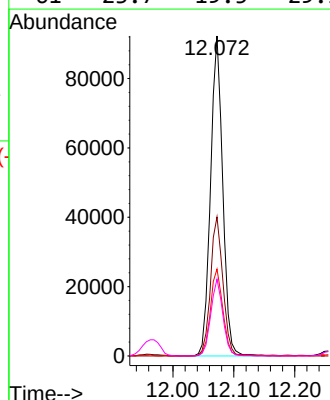
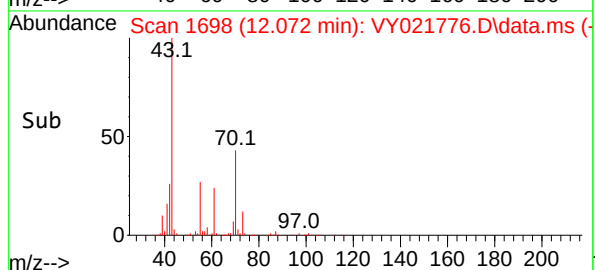
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

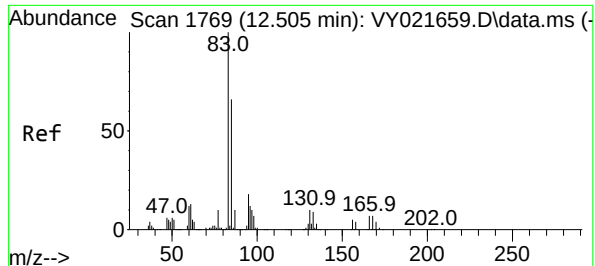


#74
N-ethyl acetate
Concen: 46.159 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



Tgt Ion: 43 Resp: 128883
Ion Ratio Lower Upper
43 100
70 44.1 34.7 52.1
55 27.9 21.2 31.8
61 23.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 44.226 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

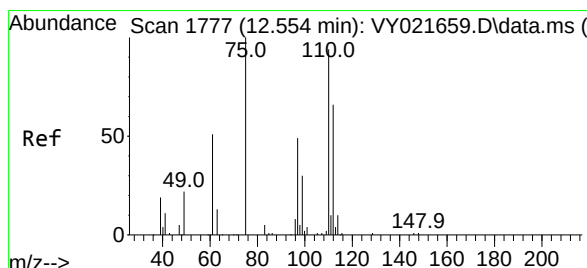
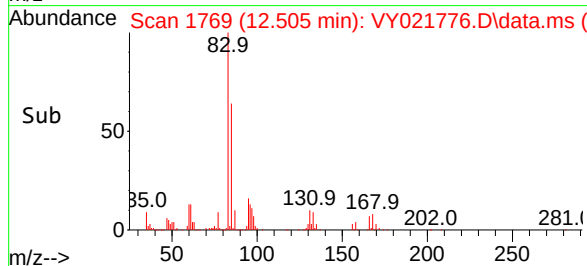
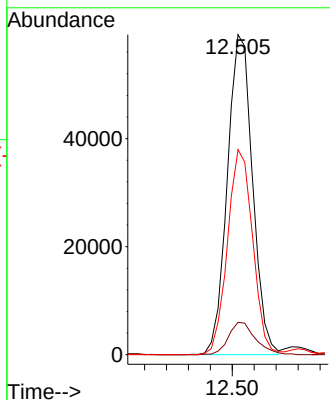
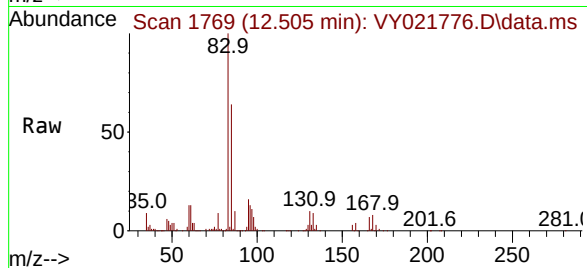
VSTDCCC050

Tgt Ion:	83	Resp:	94598
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#76

1,2,3-Trichloropropane

Concen: 48.426 ug/l m

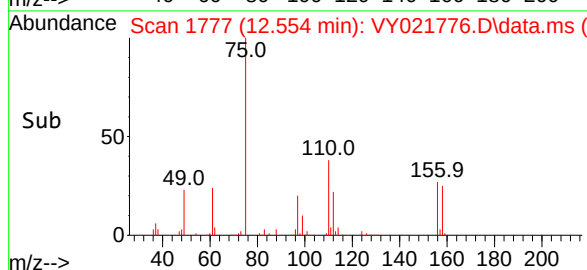
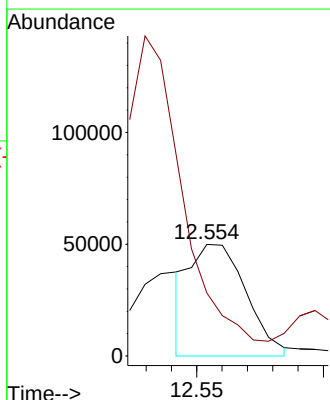
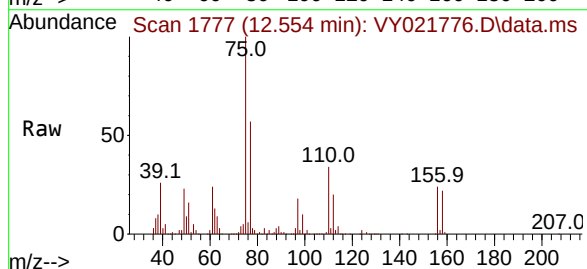
RT: 12.554 min Scan# 1777

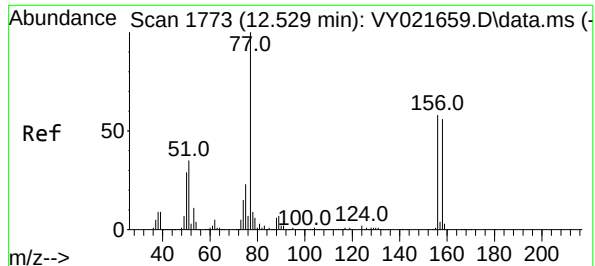
Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:	75	Resp:	76890
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





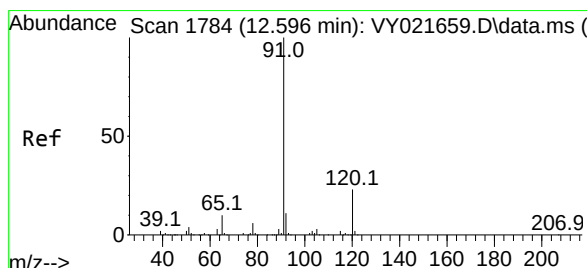
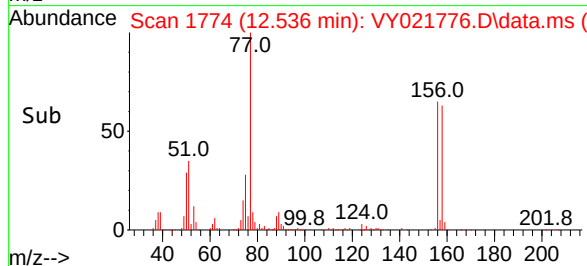
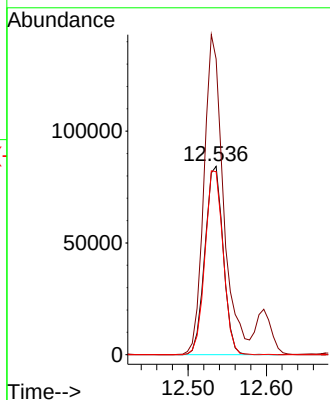
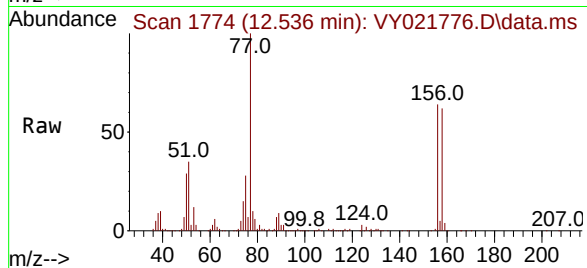
#77
Bromobenzene
Concen: 47.465 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 156 Resp: 13558
Ion Ratio Lower Upper
156 100
77 182.2 92.8 278.3
158 97.4 48.5 145.6

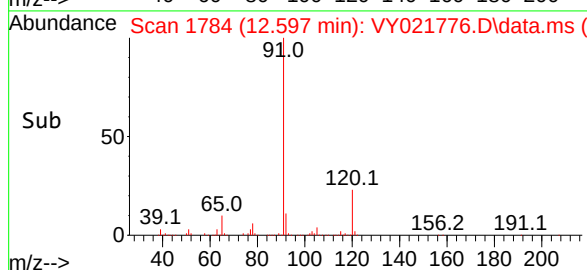
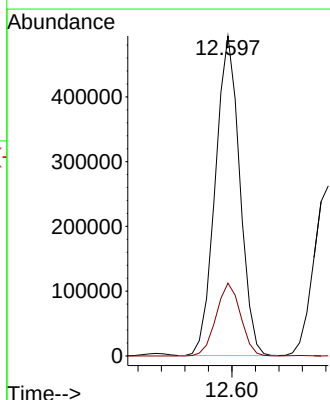
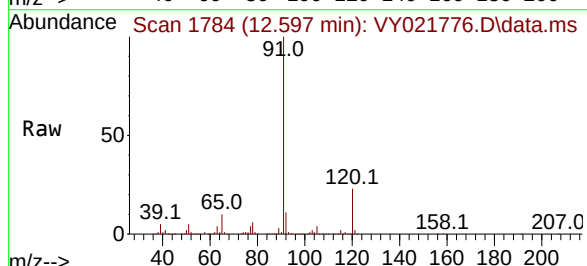
Manual Integrations
APPROVED

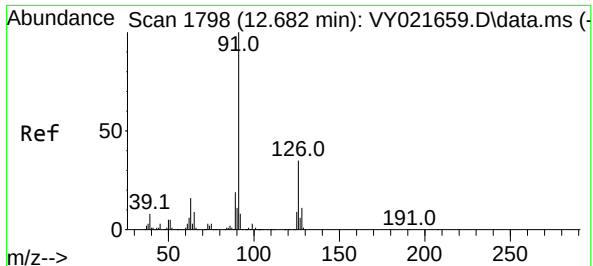
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#78
n-propylbenzene
Concen: 49.780 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 712013
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.9





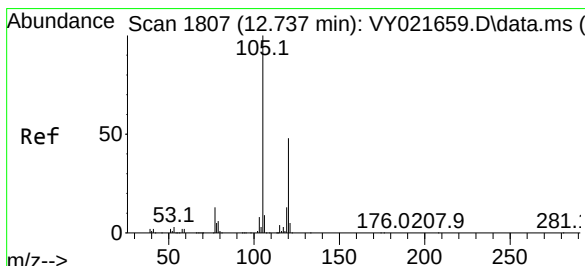
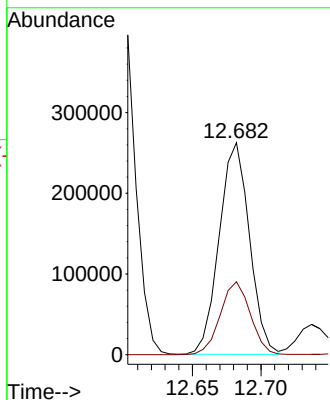
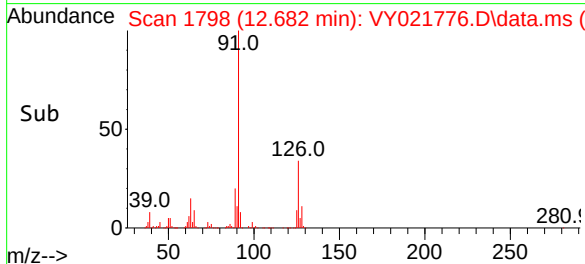
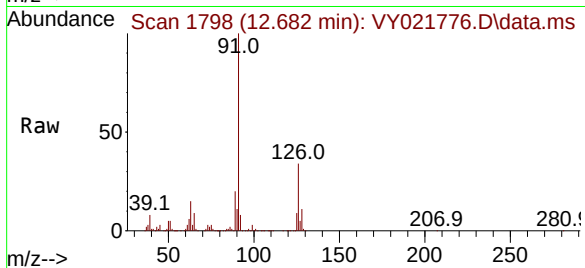
#79
2-Chlorotoluene
Concen: 48.532 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 403179
Ion Ratio Lower Upper
91 100
126 34.2 17.3 52.0

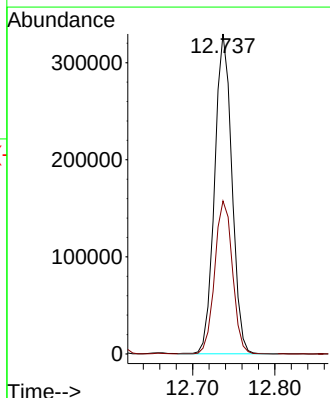
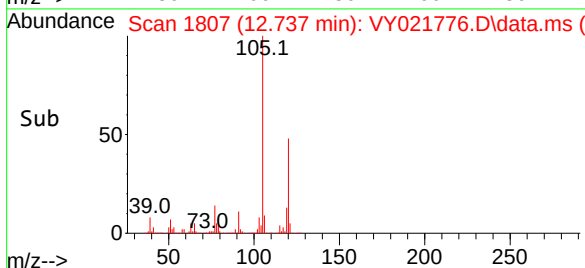
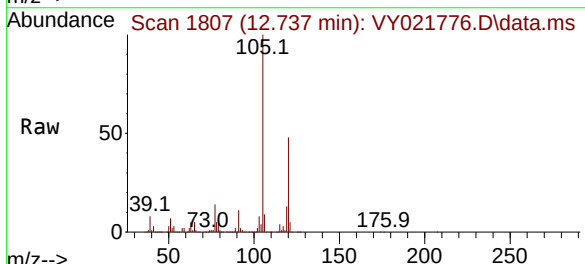
Manual Integrations
APPROVED

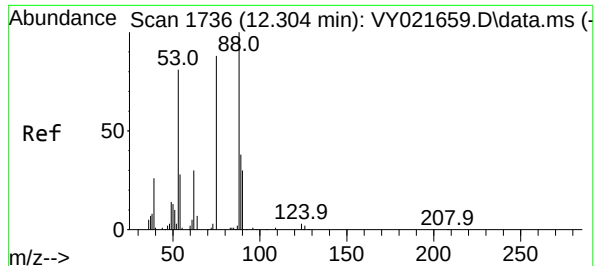
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.401 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

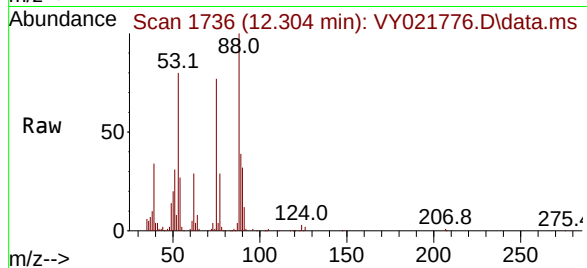
Tgt Ion:105 Resp: 480341
Ion Ratio Lower Upper
105 100
120 49.2 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 44.380 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

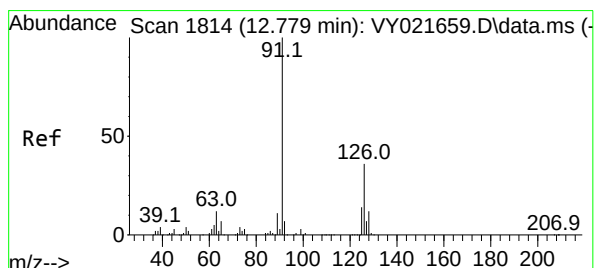
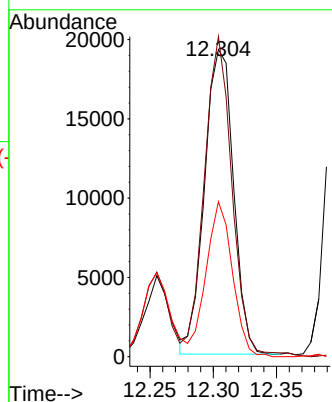
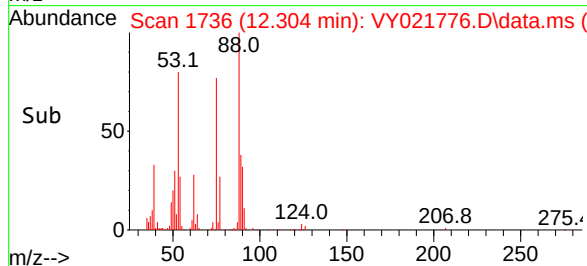
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 30582
Ion Ratio Lower Upper
75 100
53 101.1 76.1 114.1
89 46.2 36.2 54.4

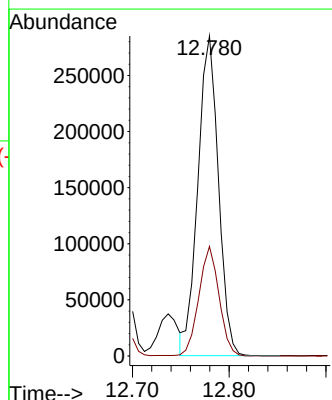
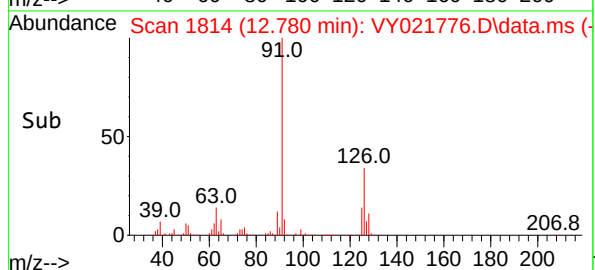
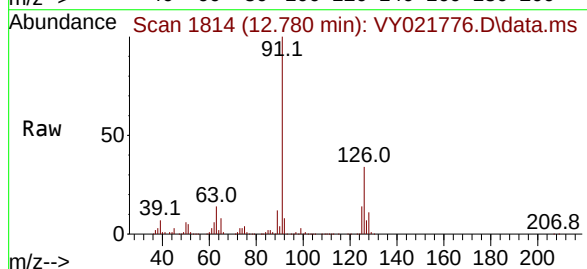
Manual Integrations
APPROVED

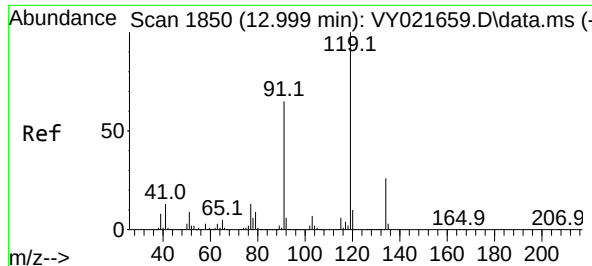
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#82
4-Chlorotoluene
Concen: 48.519 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 420225
Ion Ratio Lower Upper
91 100
126 33.8 17.0 50.9





#83

tert-Butylbenzene

Concen: 48.759 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

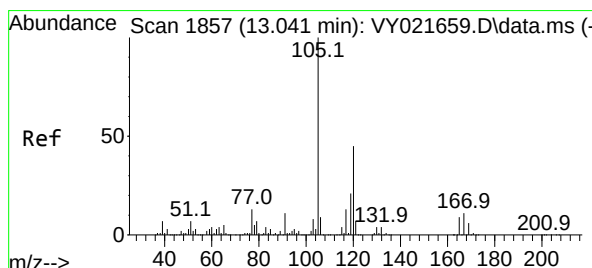
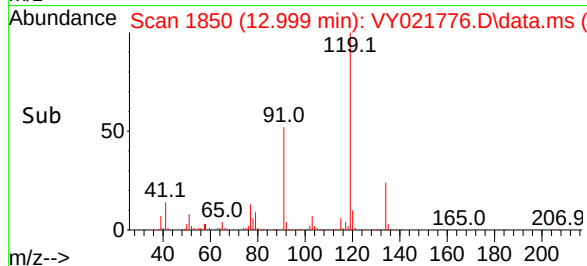
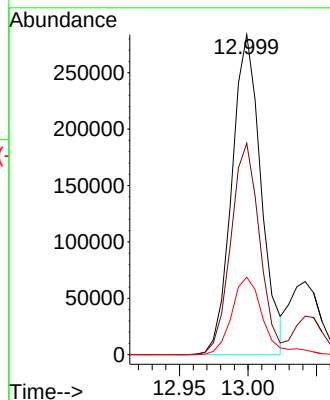
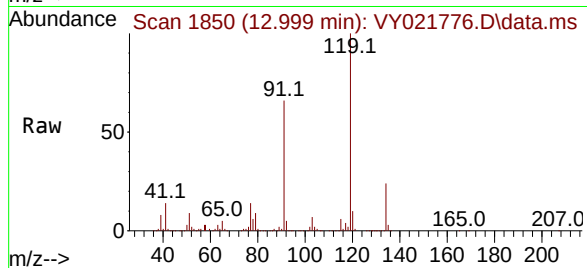
ClientSampleId :

VSTDCCC050

Tgt Ion:	119	Resp:	422284
Ion Ratio	Lower	Upper	
119	100		
91	64.8	32.6	97.7
134	25.9	13.2	39.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.015 ug/l

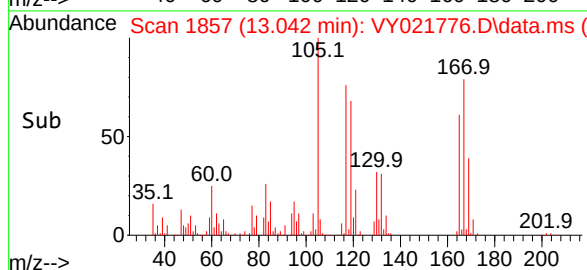
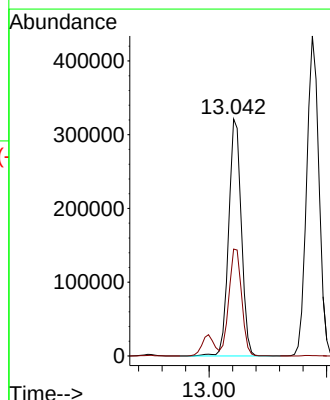
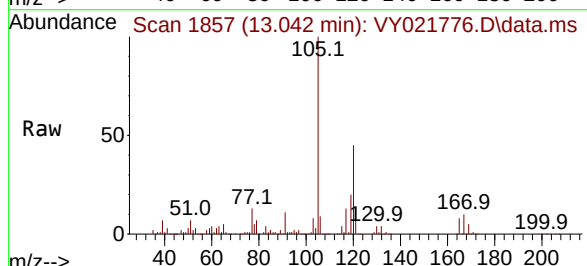
RT: 13.042 min Scan# 1857

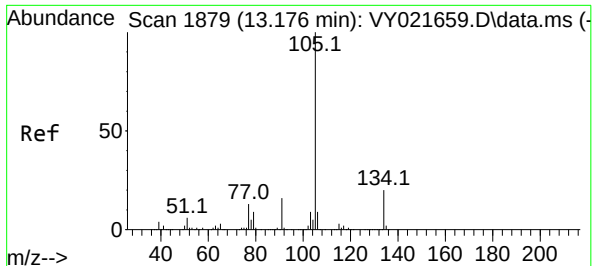
Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:	105	Resp:	480654
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.7	68.1





#85

sec-Butylbenzene

Concen: 49.626 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 628090

Ion Ratio Lower Upper

105 100

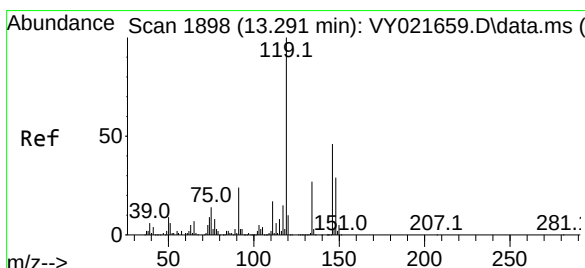
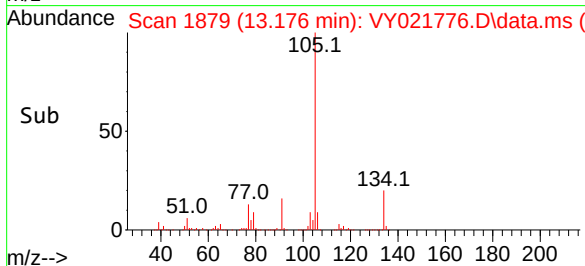
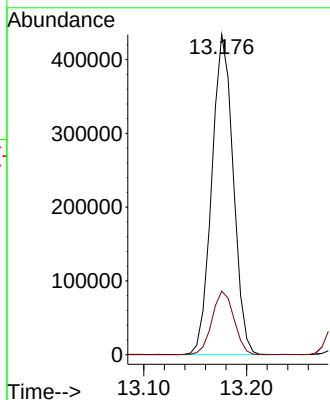
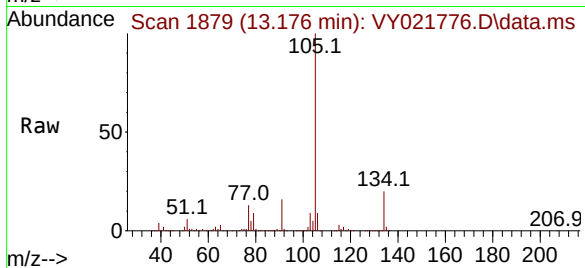
134 20.3 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#86

p-Isopropyltoluene

Concen: 50.469 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

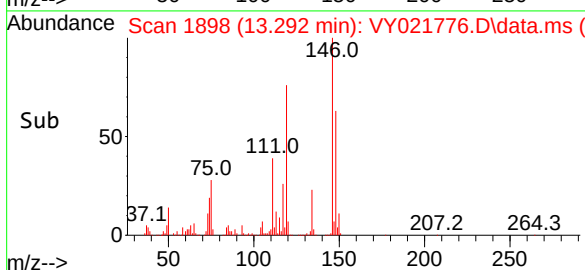
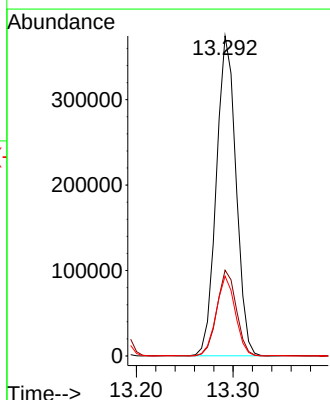
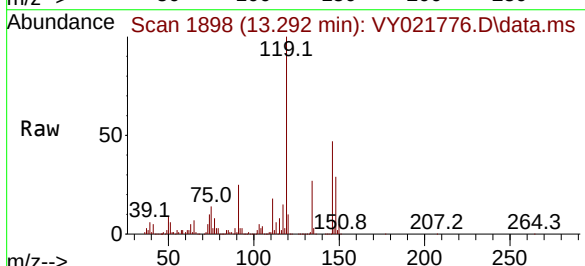
Tgt Ion:119 Resp: 527940

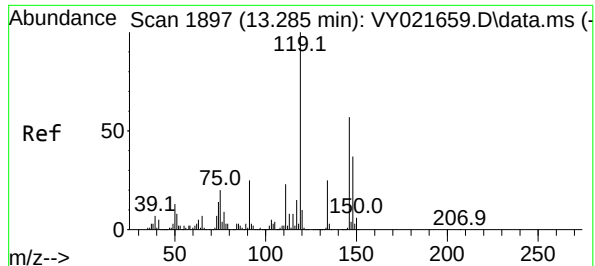
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 47.936 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

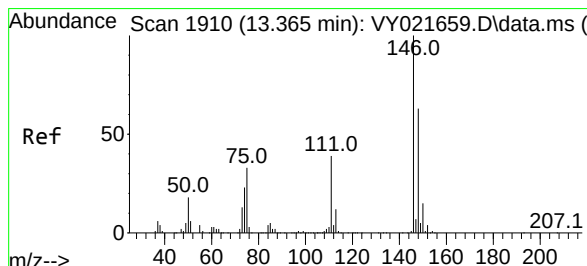
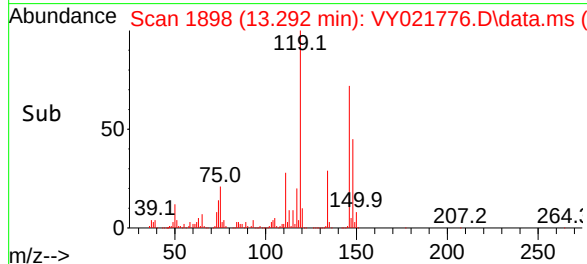
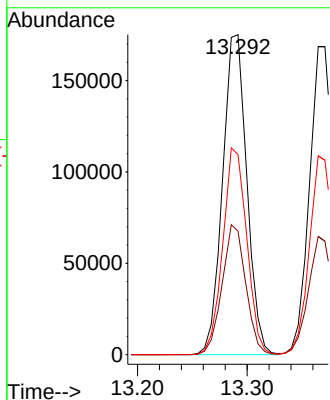
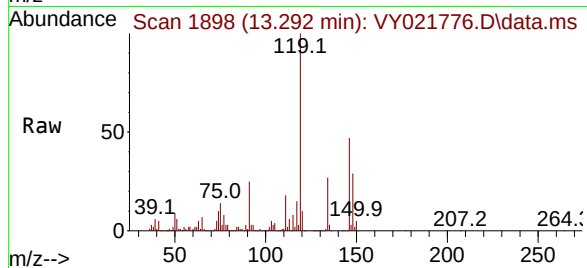
Tgt Ion:	146	Resp:	26977
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.0	60.0
148	63.8	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#88

1,4-Dichlorobenzene

Concen: 47.658 ug/l

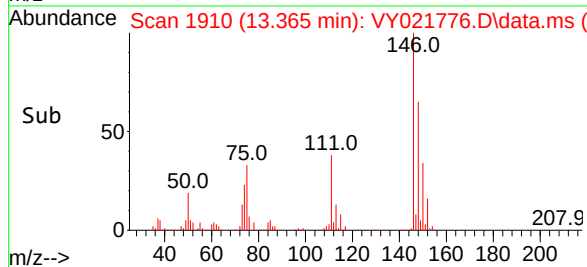
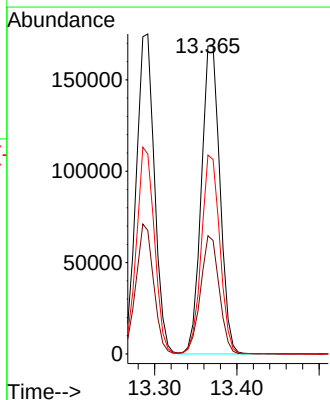
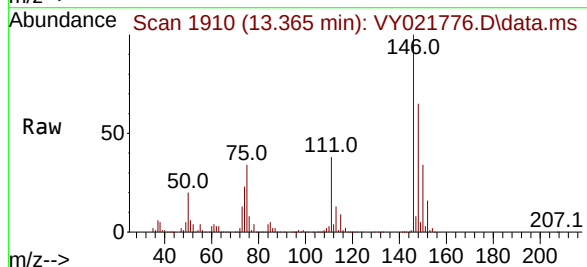
RT: 13.365 min Scan# 1910

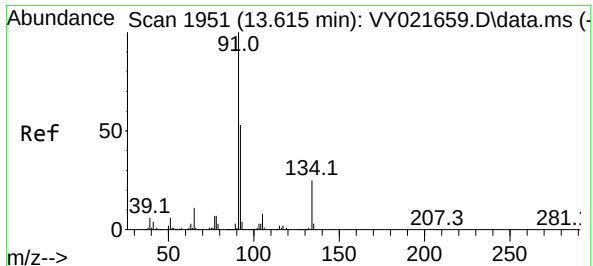
Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:	146	Resp:	264990
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.1
148	64.1	31.5	94.5





#89

n-Butylbenzene

Concen: 50.346 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 48705

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

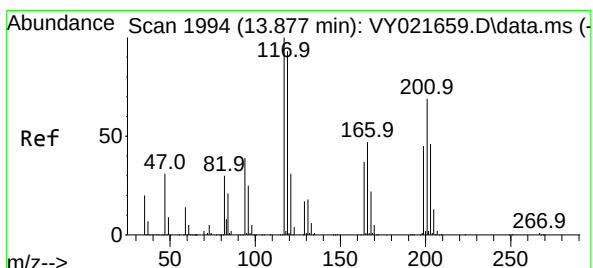
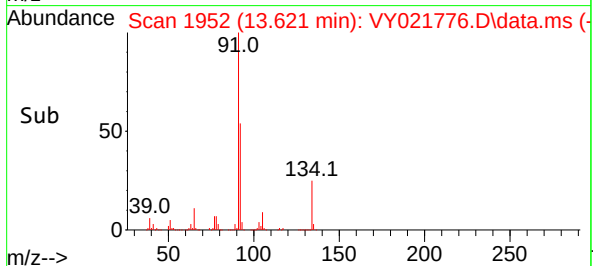
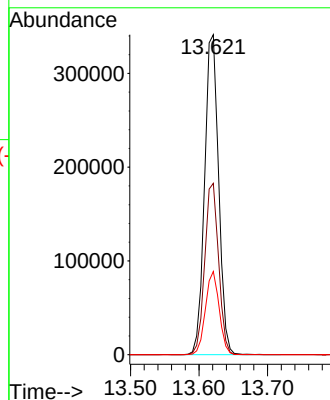
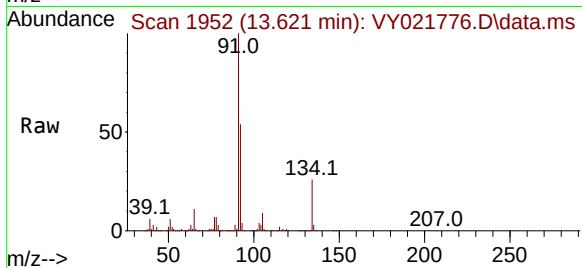
134 25.5 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#90

Hexachloroethane

Concen: 48.010 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021776.D

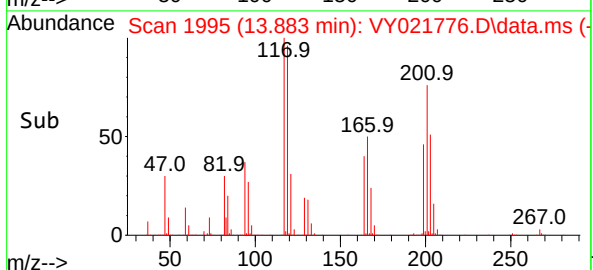
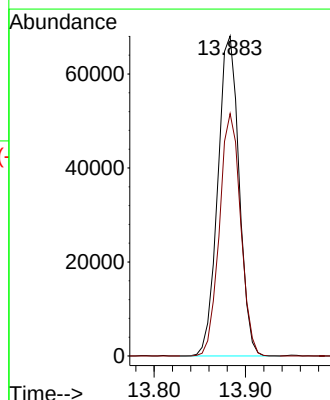
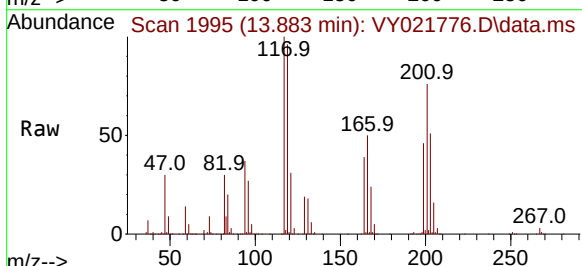
Acq: 04 Apr 2025 09:22

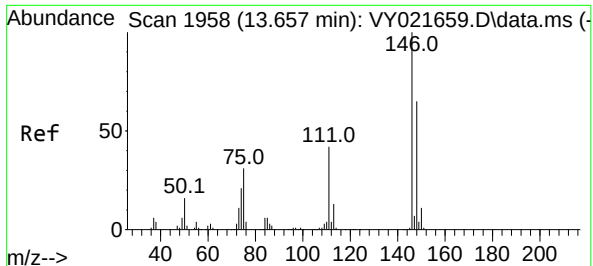
Tgt Ion:117 Resp: 110054

Ion Ratio Lower Upper

117 100

201 75.4 37.4 112.1





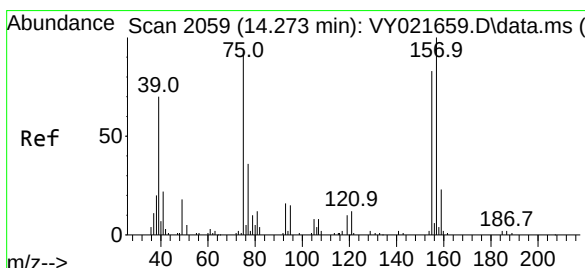
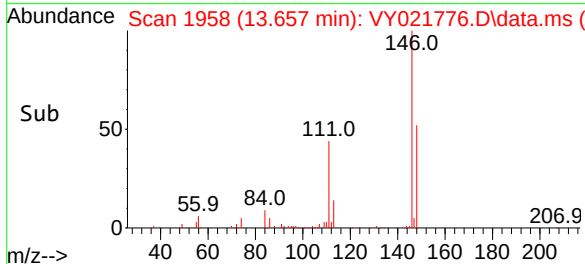
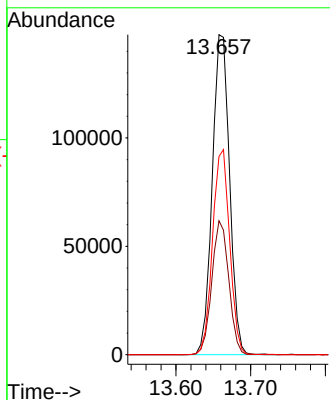
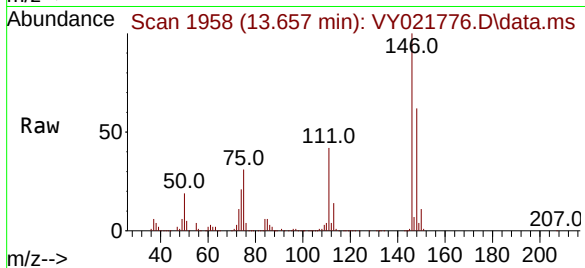
#91
1,2-Dichlorobenzene
Concen: 48.364 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 23693
Ion Ratio Lower Upper
146 100
111 41.1 20.7 62.1
148 63.5 32.3 96.9

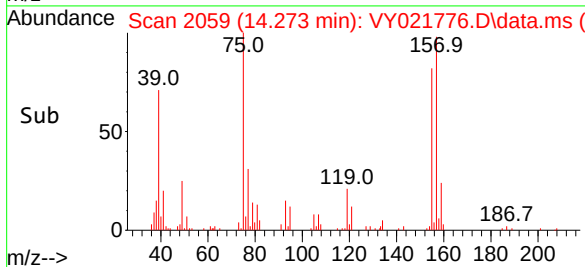
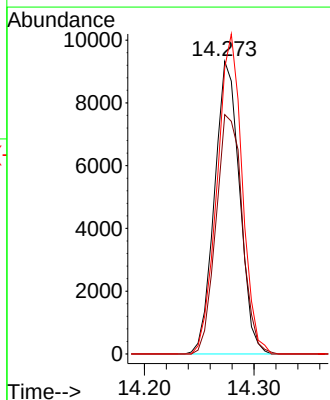
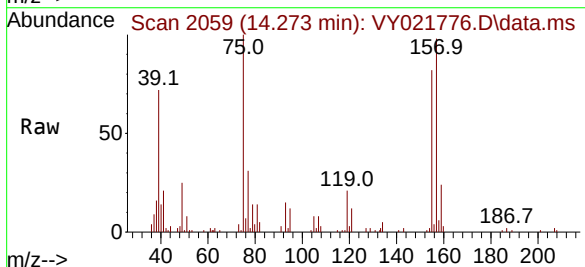
Manual Integrations
APPROVED

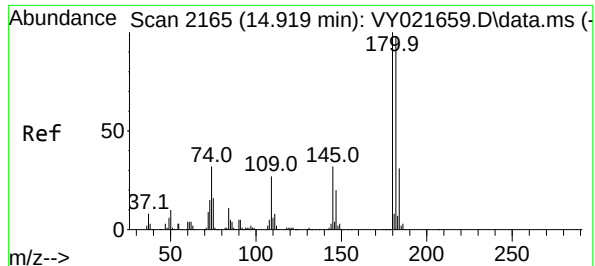
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

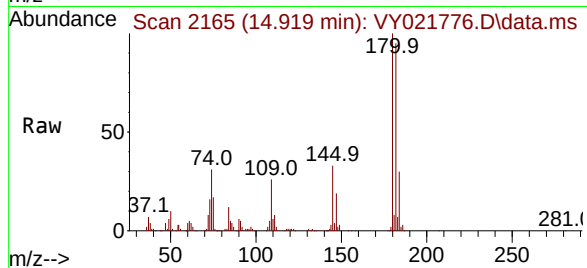
Tgt Ion: 75 Resp: 14822
Ion Ratio Lower Upper
75 100
155 85.7 43.0 128.8
157 109.0 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 49.367 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

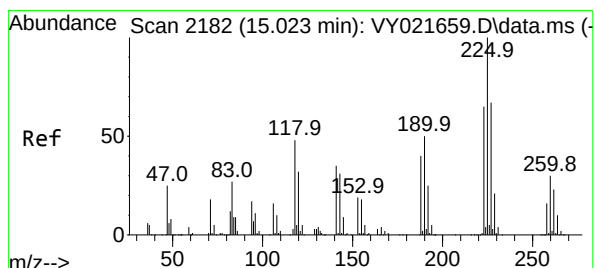
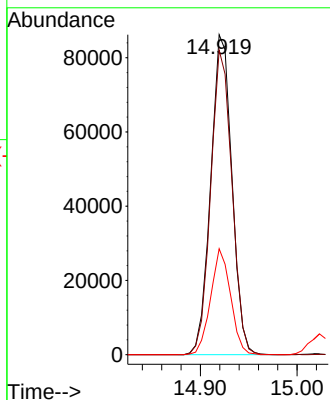
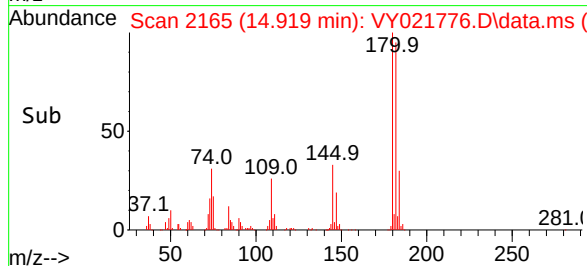
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



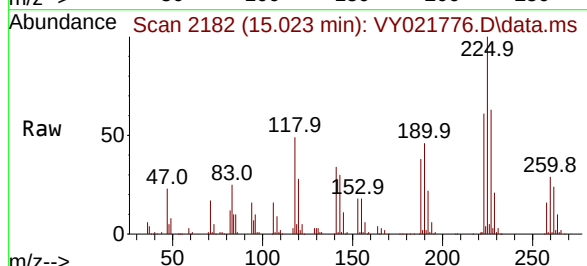
Tgt Ion:180 Resp: 13115
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 31.2 14.9 44.9

Manual Integrations
APPROVED

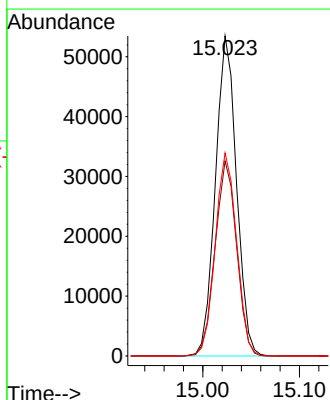
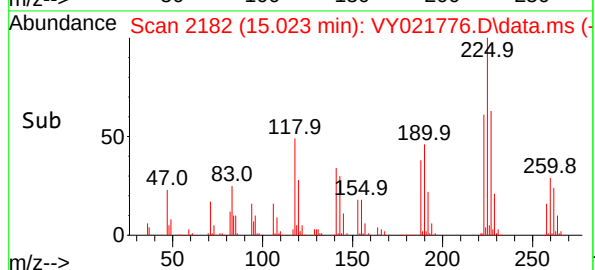
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

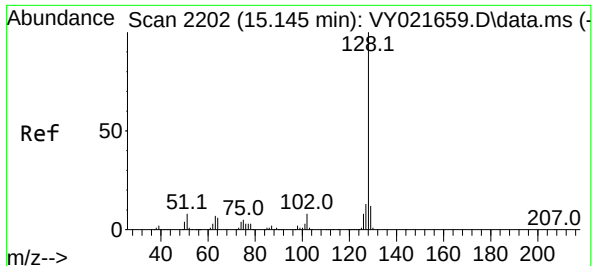


#94
Hexachlorobutadiene
Concen: 48.800 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22



Tgt Ion:225 Resp: 80970
Ion Ratio Lower Upper
225 100
223 62.1 31.9 95.7
227 64.2 32.4 97.0





#95

Naphthalene

Concen: 48.786 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

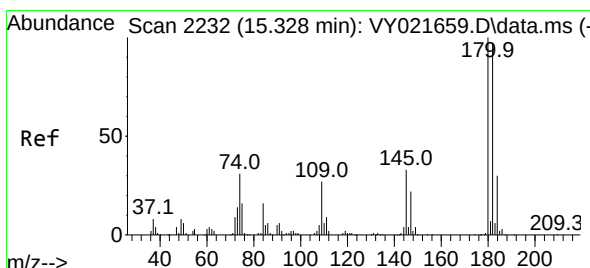
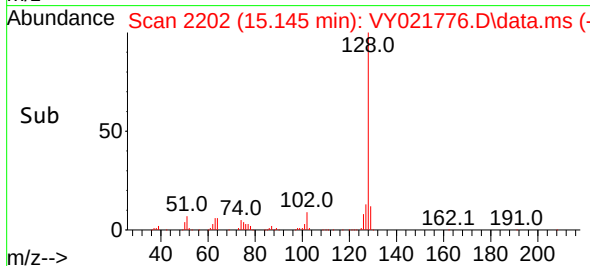
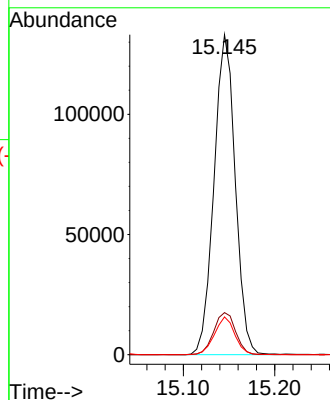
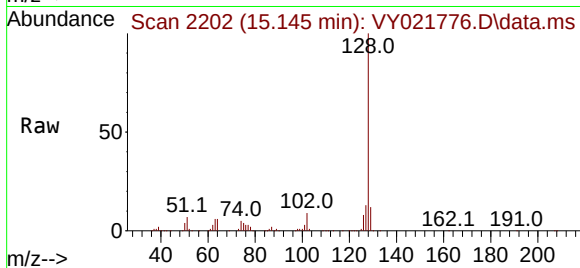
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	21483
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	11.4	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#96

1,2,3-Trichlorobenzene

Concen: 49.730 ug/l

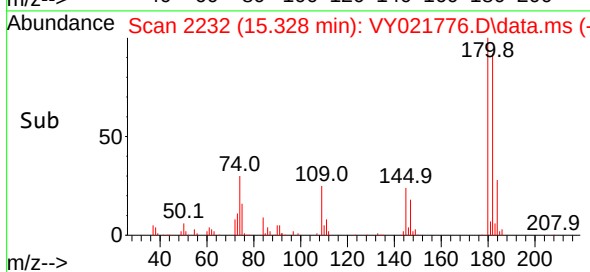
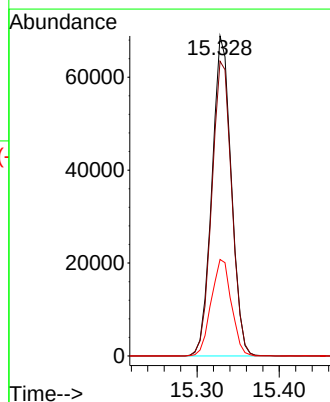
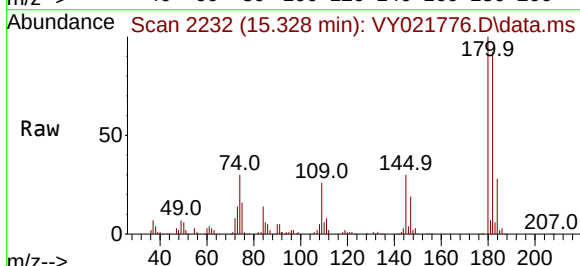
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:	180	Resp:	112664
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.5
145	31.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	96	0.00
2 T	Dichlorodifluoromethane	0.518	0.460	11.2	87	0.00
3 P	Chloromethane	0.729	0.638	12.5	88	0.00
4 C	Vinyl Chloride	0.824	0.724	12.1#	87	0.00
5 T	Bromomethane	0.562	0.483	14.1	90	0.00
6 T	Chloroethane	0.539	0.475	11.9	89	0.00
7 T	Trichlorofluoromethane	1.056	0.959	9.2	91	0.00
8 T	Diethyl Ether	0.287	0.252	12.2	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.515	7.5	92	0.00
10 T	Methyl Iodide	0.611	0.580	5.1	85	0.00
11 T	Tert butyl alcohol	0.035	0.028	20.0	79	0.00
12 CM	1,1-Dichloroethene	0.524	0.481	8.2#	90	0.00
13 T	Acrolein	0.064	0.028	56.3#	42#	0.00
14 T	Allyl chloride	0.836	0.763	8.7	87	0.00
15 T	Acrylonitrile	0.120	0.106	11.7	84	0.00
16 T	Acetone	0.111	0.091	18.0	82	0.00
17 T	Carbon Disulfide	1.727	1.549	10.3	88	0.00
18 T	Methyl Acetate	0.275	0.259	5.8	94	0.00
19 T	Methyl tert-butyl Ether	1.306	1.203	7.9	87	0.00
20 T	Methylene Chloride	0.626	0.518	17.3	88	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.534	7.5	90	0.00
22 T	Diisopropyl ether	1.754	1.681	4.2	90	0.00
23 T	Vinyl Acetate	1.026	0.938	8.6	85	0.00
24 P	1,1-Dichloroethane	1.049	0.975	7.1	90	0.00
25 T	2-Butanone	0.158	0.136	13.9	82	0.00
26 T	2,2-Dichloropropane	0.933	0.874	6.3	91	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.609	6.2	90	0.00
28 T	Bromochloromethane	0.442	0.432	2.3	97	0.00
29 T	Tetrahydrofuran	0.102	0.090	11.8	82	0.00
30 C	Chloroform	1.091	1.012	7.2#	90	0.00
31 T	Cyclohexane	0.956	0.858	10.3	90	0.00
32 T	1,1,1-Trichloroethane	0.986	0.918	6.9	91	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.533	1.7	93	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.324	0.337	-4.0	92	0.00
36 T	1,1-Dichloropropene	0.494	0.495	-0.2	91	0.00
37 T	Ethyl Acetate	0.233	0.209	10.3	82	0.00
38 T	Carbon Tetrachloride	0.566	0.560	1.1	92	0.00
39 T	Methylcyclohexane	0.590	0.596	-1.0	89	0.00
40 TM	Benzene	1.479	1.458	1.4	90	0.00
41 T	Methacrylonitrile	0.124	0.108	12.9	73	-0.01
42 TM	1,2-Dichloroethane	0.417	0.401	3.8	88	0.00
43 T	Isopropyl Acetate	0.442	0.410	7.2	84	0.00
44 TM	Trichloroethene	0.377	0.375	0.5	93	0.00
45 C	1,2-Dichloropropane	0.350	0.345	1.4#	91	0.00
46 T	Dibromomethane	0.202	0.194	4.0	91	0.00
47 T	Bromodichloromethane	0.523	0.513	1.9	91	0.00
48 T	Methyl methacrylate	0.203	0.197	3.0	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	82	0.00
50 S	Toluene-d8	1.234	1.303	-5.6	92	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.222	3.5	85	0.00
52 CM	Toluene	0.923	0.937	-1.5#	91	0.00
53 T	t-1,3-Dichloropropene	0.465	0.457	1.7	87	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.537	2.0	88	0.00
55 T	1,1,2-Trichloroethane	0.260	0.253	2.7	90	0.00
56 T	Ethyl methacrylate	0.332	0.340	-2.4	86	0.00
57 T	1,3-Dichloropropane	0.449	0.443	1.3	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.171	-5.6	88	0.00
59 T	2-Hexanone	0.153	0.149	2.6	85	0.00
60 T	Dibromochloromethane	0.355	0.359	-1.1	91	0.00
61 T	1,2-Dibromoethane	0.244	0.241	1.2	88	0.00
62 S	4-Bromofluorobenzene	0.417	0.442	-6.0	93	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.455	0.452	0.7	94	0.00
65 PM	Chlorobenzene	1.146	1.113	2.9	90	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.402	1.2	92	0.00
67 C	Ethyl Benzene	1.965	1.994	-1.5#	91	0.00
68 T	m/p-Xylenes	0.753	0.761	-1.1	91	0.00
69 T	o-Xylene	0.695	0.704	-1.3	89	0.00
70 T	Styrene	1.158	1.203	-3.9	91	0.00
71 P	Bromoform	0.232	0.228	1.7	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	3.714	3.651	1.7	91	0.00
74 T	N-amyl acetate	0.872	0.805	7.7	84	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.591	11.5	86	0.00
76 T	1,2,3-Trichloropropane	0.496	0.480	3.2	92	0.00
77 T	Bromobenzene	0.892	0.846	5.2	91	0.00
78 T	n-propylbenzene	4.465	4.445	0.4	92	0.00
79 T	2-Chlorotoluene	2.593	2.517	2.9	91	0.00
80 T	1,3,5-Trimethylbenzene	3.035	2.999	1.2	91	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.191	11.2	82	0.00
82 T	4-Chlorotoluene	2.704	2.623	3.0	91	0.00
83 T	tert-Butylbenzene	2.703	2.636	2.5	90	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.001	-0.0	91	0.00
85 T	sec-Butylbenzene	3.951	3.921	0.8	91	0.00
86 T	p-Isopropyltoluene	3.265	3.296	-0.9	92	0.00
87 T	1,3-Dichlorobenzene	1.757	1.684	4.2	92	0.00
88 T	1,4-Dichlorobenzene	1.736	1.654	4.7	91	0.00
89 T	n-Butylbenzene	3.020	3.041	-0.7	91	0.00
90 T	Hexachloroethane	0.716	0.687	4.1	93	0.00
91 T	1,2-Dichlorobenzene	1.529	1.479	3.3	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	87	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.819	1.2	89	0.00
94 T	Hexachlorobutadiene	0.518	0.505	2.5	92	0.00
95 T	Naphthalene	1.375	1.341	2.5	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.703	0.6	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	96	0.00
2 T	Dichlorodifluoromethane	50.000	44.355	11.3	87	0.00
3 P	Chloromethane	50.000	43.781	12.4	88	0.00
4 C	Vinyl Chloride	50.000	43.939	12.1#	87	0.00
5 T	Bromomethane	50.000	42.973	14.1	90	0.00
6 T	Chloroethane	50.000	44.025	12.0	89	0.00
7 T	Trichlorofluoromethane	50.000	45.429	9.1	91	0.00
8 T	Diethyl Ether	50.000	43.889	12.2	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.234	7.5	92	0.00
10 T	Methyl Iodide	50.000	47.511	5.0	85	0.00
11 T	Tert butyl alcohol	250.000	198.281	20.7	79	0.00
12 CM	1,1-Dichloroethene	50.000	45.826	8.3#	90	0.00
13 T	Acrolein	250.000	108.084	56.8#	42	0.00
14 T	Allyl chloride	50.000	45.628	8.7	87	0.00
15 T	Acrylonitrile	250.000	220.642	11.7	84	0.00
16 T	Acetone	250.000	205.322	17.9	82	0.00
17 T	Carbon Disulfide	50.000	44.833	10.3	88	0.00
18 T	Methyl Acetate	50.000	47.090	5.8	94	0.00
19 T	Methyl tert-butyl Ether	50.000	46.078	7.8	87	0.00
20 T	Methylene Chloride	50.000	47.558	4.9	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.214	7.6	90	0.00
22 T	Diisopropyl ether	50.000	47.921	4.2	90	0.00
23 T	Vinyl Acetate	250.000	228.612	8.6	85	0.00
24 P	1,1-Dichloroethane	50.000	46.472	7.1	90	0.00
25 T	2-Butanone	250.000	214.357	14.3	82	0.00
26 T	2,2-Dichloropropane	50.000	46.842	6.3	91	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.913	6.2	90	0.00
28 T	Bromochloromethane	50.000	48.848	2.3	97	0.00
29 T	Tetrahydrofuran	250.000	221.852	11.3	82	0.00
30 C	Chloroform	50.000	46.388	7.2#	90	0.00
31 T	Cyclohexane	50.000	44.882	10.2	90	0.00
32 T	1,1,1-Trichloroethane	50.000	46.549	6.9	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.189	1.6	93	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	51.952	-3.9	92	0.00
36 T	1,1-Dichloropropene	50.000	50.100	-0.2	91	0.00
37 T	Ethyl Acetate	50.000	44.748	10.5	82	0.00
38 T	Carbon Tetrachloride	50.000	49.520	1.0	92	0.00
39 T	Methylcyclohexane	50.000	50.518	-1.0	89	0.00
40 TM	Benzene	50.000	49.278	1.4	90	0.00
41 T	Methacrylonitrile	50.000	43.428	13.1	73	-0.01
42 TM	1,2-Dichloroethane	50.000	48.074	3.9	88	0.00
43 T	Isopropyl Acetate	50.000	46.402	7.2	84	0.00
44 TM	Trichloroethene	50.000	49.692	0.6	93	0.00
45 C	1,2-Dichloropropane	50.000	49.325	1.3#	91	0.00
46 T	Dibromomethane	50.000	48.116	3.8	91	0.00
47 T	Bromodichloromethane	50.000	49.080	1.8	91	0.00
48 T	Methyl methacrylate	50.000	48.681	2.6	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	916.931	8.3	82	0.00
50 S	Toluene-d8	50.000	52.794	-5.6	92	0.00
51 T	4-Methyl-2-Pentanone	250.000	241.372	3.5	85	0.00
52 CM	Toluene	50.000	50.737	-1.5#	91	0.00
53 T	t-1,3-Dichloropropene	50.000	49.181	1.6	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.979	2.0	88	0.00
55 T	1,1,2-Trichloroethane	50.000	48.624	2.8	90	0.00
56 T	Ethyl methacrylate	50.000	51.235	-2.5	86	0.00
57 T	1,3-Dichloropropane	50.000	49.355	1.3	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	264.232	-5.7	88	0.00
59 T	2-Hexanone	250.000	243.569	2.6	85	0.00
60 T	Dibromochloromethane	50.000	50.684	-1.4	91	0.00
61 T	1,2-Dibromoethane	50.000	49.485	1.0	88	0.00
62 S	4-Bromofluorobenzene	50.000	52.928	-5.9	93	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	49.667	0.7	94	0.00
65 PM	Chlorobenzene	50.000	48.533	2.9	90	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.482	1.0	92	0.00
67 C	Ethyl Benzene	50.000	50.727	-1.5#	91	0.00
68 T	m/p-Xylenes	100.000	101.155	-1.2	91	0.00
69 T	o-Xylene	50.000	50.688	-1.4	89	0.00
70 T	Styrene	50.000	51.933	-3.9	91	0.00
71 P	Bromoform	50.000	49.056	1.9	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	49.152	1.7	91	0.00
74 T	N-amyl acetate	50.000	46.159	7.7	84	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	44.226	11.5	86	0.00
76 T	1,2,3-Trichloropropane	50.000	48.426	3.1	92	0.00
77 T	Bromobenzene	50.000	47.465	5.1	91	0.00
78 T	n-propylbenzene	50.000	49.780	0.4	92	0.00
79 T	2-Chlorotoluene	50.000	48.532	2.9	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.401	1.2	91	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.380	11.2	82	0.00
82 T	4-Chlorotoluene	50.000	48.519	3.0	91	0.00
83 T	tert-Butylbenzene	50.000	48.759	2.5	90	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.015	-0.0	91	0.00
85 T	sec-Butylbenzene	50.000	49.626	0.7	91	0.00
86 T	p-Isopropyltoluene	50.000	50.469	-0.9	92	0.00
87 T	1,3-Dichlorobenzene	50.000	47.936	4.1	92	0.00
88 T	1,4-Dichlorobenzene	50.000	47.658	4.7	91	0.00
89 T	n-Butylbenzene	50.000	50.346	-0.7	91	0.00
90 T	Hexachloroethane	50.000	48.010	4.0	93	0.00
91 T	1,2-Dichlorobenzene	50.000	48.364	3.3	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.709	10.6	87	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.367	1.3	89	0.00
94 T	Hexachlorobutadiene	50.000	48.800	2.4	92	0.00
95 T	Naphthalene	50.000	48.786	2.4	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.730	0.5	90	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: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 17:44

Lab File ID: VY021792.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.359		-30.69	50
Chloromethane	0.729	0.553	0.1	-24.14	50
Vinyl Chloride	0.824	0.666		-19.17	50
Bromomethane	0.562	0.462		-17.79	50
Chloroethane	0.539	0.475		-11.87	50
Tetrahydrofuran	0.102	0.108		5.88	50
Trichlorofluoromethane	1.056	0.967		-8.43	50
1,1,2-Trichlorotrifluoroethane	0.557	0.556		-0.18	50
1,1-Dichloroethene	0.524	0.478		-8.78	50
Acrylonitrile	0.120	0.128		6.67	50
Acetone	0.111	0.096		-13.51	50
Carbon Disulfide	1.727	1.311		-24.09	50
Methyl tert-butyl Ether	1.306	1.331		1.91	50
Methylene Chloride	0.626	0.578		-7.67	50
trans-1,2-Dichloroethene	0.577	0.545		-5.55	50
1,1-Dichloroethane	1.049	1.054	0.1	0.48	50
2-Butanone	0.158	0.160		1.27	50
Carbon Tetrachloride	0.566	0.580		2.47	50
2,2-Dichloropropane	0.933	0.866		-7.18	50
cis-1,2-Dichloroethene	0.649	0.653		0.62	50
Chloroform	1.091	1.124		3.03	50
1,1,1-Trichloroethane	0.986	1.000		1.42	50
1,1-Dichloropropene	0.494	0.494		0	50
Benzene	1.479	1.511		2.16	50
1,2-Dichloroethane	0.417	0.432		3.6	50
Trichloroethene	0.377	0.391		3.71	50
1,2-Dichloropropane	0.350	0.374		6.86	50
Dibromomethane	0.202	0.216		6.93	50
Bromodichloromethane	0.523	0.563		7.65	50
4-Methyl-2-Pentanone	0.230	0.263		14.35	50
Toluene	0.923	0.970		5.09	50
t-1,3-Dichloropropene	0.465	0.492		5.81	50
cis-1,3-Dichloropropene	0.548	0.567		3.47	50
1,1,2-Trichloroethane	0.260	0.292		12.31	50
1,3-Dichloropropane	0.449	0.485		8.02	50
2-Hexanone	0.153	0.177		15.69	50
Dibromochloromethane	0.355	0.400		12.68	50
1,2-Dibromoethane	0.244	0.265		8.61	50

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: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730
 Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 17:44
 Lab File ID: VY021792.D Init. Calib. Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.465		2.2	50
Chlorobenzene	1.146	1.161	0.3	1.31	50
1,1,1,2-Tetrachloroethane	0.407	0.425		4.42	50
Ethyl Benzene	1.965	2.034		3.51	50
m/p-Xylenes	0.753	0.777		3.19	50
o-Xylene	0.695	0.730		5.04	50
Styrene	1.158	1.252		8.12	50
Bromoform	0.232	0.252	0.1	8.62	50
Isopropylbenzene	3.714	3.458		-6.89	50
1,1,2,2-Tetrachloroethane	0.668	0.613	0.3	-8.23	50
1,2,3-Trichloropropane	0.496	0.461		-7.06	50
Bromobenzene	0.892	0.813		-8.86	50
n-propylbenzene	4.465	4.246		-4.91	50
2-Chlorotoluene	2.593	2.381		-8.18	50
1,3,5-Trimethylbenzene	3.035	2.858		-5.83	50
4-Chlorotoluene	2.704	2.492		-7.84	50
tert-Butylbenzene	2.703	2.600		-3.81	50
1,2,4-Trimethylbenzene	3.000	2.878		-4.07	50
sec-Butylbenzene	3.951	3.849		-2.58	50
p-Isopropyltoluene	3.265	3.199		-2.02	50
1,3-Dichlorobenzene	1.757	1.648		-6.2	50
1,4-Dichlorobenzene	1.736	1.619		-6.74	50
n-Butylbenzene	3.020	2.961		-1.95	50
1,2-Dichlorobenzene	1.529	1.448		-5.3	50
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	50
1,2,4-Trichlorobenzene	0.829	0.830		0.12	50
Hexachlorobutadiene	0.518	0.526		1.54	50
1,2,3-Trichlorobenzene	0.707	0.730		3.25	50
1,2-Dichloroethane-d4	0.542	0.534		-1.48	50
Dibromofluoromethane	0.324	0.335		3.39	50
Toluene-d8	1.234	1.224		-0.81	50
4-Bromofluorobenzene	0.417	0.451		8.15	50
trans-1,4-Dichloro-2-butene	0.215	0.185		-13.95	50

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021792.D
 Acq On : 04 Apr 2025 17:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 04/07/2025
 Supervised By : Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	174293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	268405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141740	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	93081	49.291	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.580%
35) Dibromofluoromethane	7.634	113	89783	51.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.140%
50) Toluene-d8	10.103	98	328405	49.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.408	95	121039	54.025	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	62640	34.675	ug/l	99
3) Chloromethane	2.068	50	96339	37.926	ug/l	100
4) Vinyl Chloride	2.202	62	116025	40.388	ug/l	97
5) Bromomethane	2.592	94	80538	41.105	ug/l	100
6) Chloroethane	2.733	64	82750	44.021	ug/l	96
7) Trichlorofluoromethane	3.056	101	168626	45.822	ug/l	98
8) Diethyl Ether	3.452	74	47435	47.399	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	96948	49.950	ug/l	99
10) Methyl Iodide	4.001	142	97802	45.932	ug/l	100
11) Tert butyl alcohol	4.866	59	29874	243.556	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	83387	45.612	ug/l	95
13) Acrolein	3.647	56	1776	7.930	ug/l	94
14) Allyl chloride	4.385	41	138265	47.435	ug/l	99
15) Acrylonitrile	5.061	53	111919	267.842	ug/l	100
16) Acetone	3.873	43	83270	215.455	ug/l	99
17) Carbon Disulfide	4.104	76	228452	37.940	ug/l	100
18) Methyl Acetate	4.385	43	73615	76.853	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	231989	50.970	ug/l	100
20) Methylene Chloride	4.616	84	100684	53.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	95054	47.223	ug/l	97
22) Diisopropyl ether	6.019	45	321680	52.609	ug/l	99
23) Vinyl Acetate	5.958	43	852883	238.431	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183690	50.240	ug/l	99
25) 2-Butanone	6.896	43	139355	252.446	ug/l	99
26) 2,2-Dichloropropane	6.884	77	150953	46.414	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	113782	50.266	ug/l	99
28) Bromochloromethane	7.244	49	76527	49.629	ug/l	99
29) Tetrahydrofuran	7.262	42	94257	265.308	ug/l	100
30) Chloroform	7.421	83	195921	51.519	ug/l	96
31) Cyclohexane	7.701	56	150188	45.062	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	174309	50.714	ug/l	100
36) 1,1-Dichloropropene	7.835	75	132692	50.035	ug/l	99
37) Ethyl Acetate	6.988	43	64748	51.733	ug/l	99
38) Carbon Tetrachloride	7.817	117	155663	51.249	ug/l	99
39) Methylcyclohexane	9.109	83	161325	50.922	ug/l	99
40) Benzene	8.079	78	405446	51.051	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021792.D
 Acq On : 04 Apr 2025 17:44
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC0050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	34626	52.095	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	115981	51.801	ug/l	100
43) Isopropyl Acetate	8.195	43	124209	52.369	ug/l	99
44) Trichloroethene	8.866	130	105036	51.907	ug/l	99
45) 1,2-Dichloropropane	9.140	63	100494	53.457	ug/l	98
46) Dibromomethane	9.231	93	57879	53.422	ug/l	96
47) Bromodichloromethane	9.420	83	151198	53.857	ug/l	98
48) Methyl methacrylate	9.219	41	59783	54.919	ug/l	99
49) 1,4-Dioxane	9.231	88	12102	1042.700	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	352592	285.663	ug/l	99
52) Toluene	10.170	92	260277	52.527	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	131936	52.910	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	152131	51.714	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	78322	56.175	ug/l	96
56) Ethyl methacrylate	10.439	69	101856	57.212	ug/l	99
57) 1,3-Dichloropropane	10.719	76	130252	54.092	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	256125	294.907	ug/l	99
59) 2-Hexanone	10.762	43	237017	288.335	ug/l	99
60) Dibromochloromethane	10.914	129	107386	56.412	ug/l	99
61) 1,2-Dibromoethane	11.012	107	71249	54.475	ug/l	100
64) Tetrachloroethene	10.646	164	115433	51.070	ug/l	98
65) Chlorobenzene	11.438	112	288107	50.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	105444	52.241	ug/l	99
67) Ethyl Benzene	11.518	91	504722	51.739	ug/l	100
68) m/p-Xylenes	11.627	106	385465	103.189	ug/l	100
69) o-Xylene	11.957	106	181127	52.528	ug/l	99
70) Styrene	11.969	104	310624	54.028	ug/l	99
71) Bromoform	12.133	173	62495	54.280	ug/l #	100
73) Isopropylbenzene	12.255	105	490199	46.563	ug/l	100
74) N-amyl acetate	12.072	43	110051	44.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86820	45.870	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	65314m	46.487	ug/l	
77) Bromobenzene	12.530	156	115240	45.591	ug/l	99
78) n-propylbenzene	12.597	91	601889	47.555	ug/l	100
79) 2-Chlorotoluene	12.682	91	337495	45.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	405133	47.086	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	26232	43.020	ug/l	90
82) 4-Chlorotoluene	12.780	91	353167	46.082	ug/l	99
83) tert-Butylbenzene	12.999	119	368560	48.092	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	407964	47.974	ug/l	99
85) sec-Butylbenzene	13.176	105	545612	48.717	ug/l	100
86) p-Isopropyltoluene	13.292	119	453488	48.991	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	233593	46.907	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	229501	46.644	ug/l	99
89) n-Butylbenzene	13.615	91	419749	49.033	ug/l	99
90) Hexachloroethane	13.877	117	95647	47.153	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	205263	47.349	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14291	48.715	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	117675	50.055	ug/l	99
94) Hexachlorobutadiene	15.023	225	74539	50.768	ug/l	97
95) Naphthalene	15.145	128	211567	54.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	103426	51.591	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

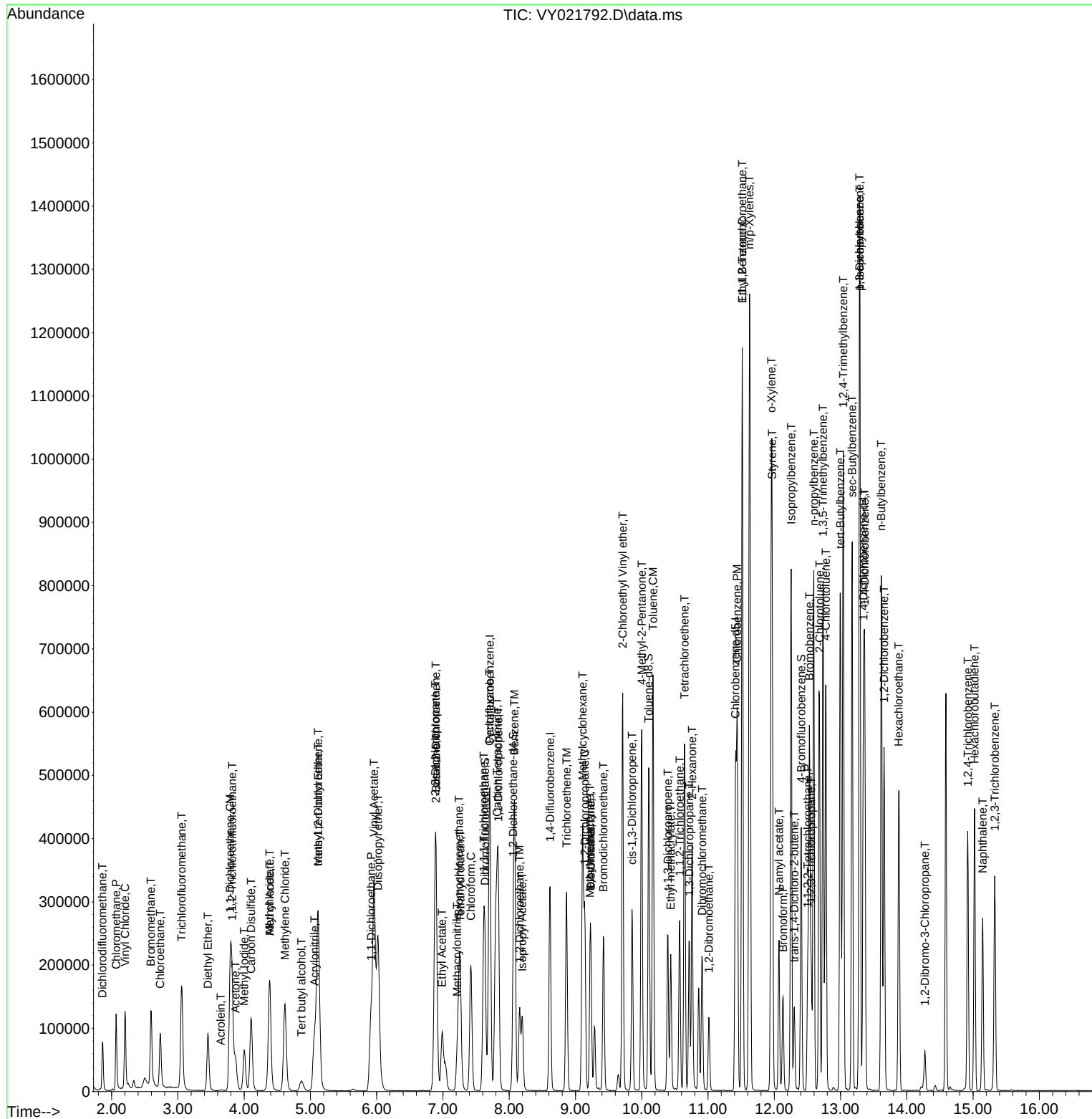
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

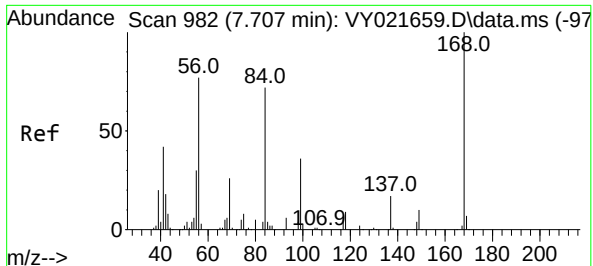
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025





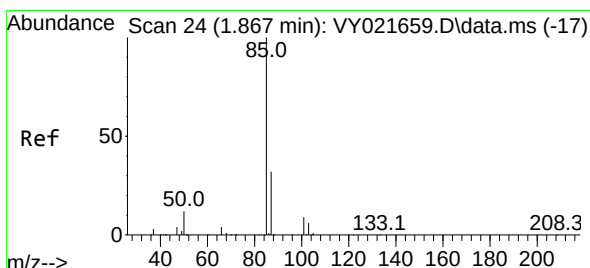
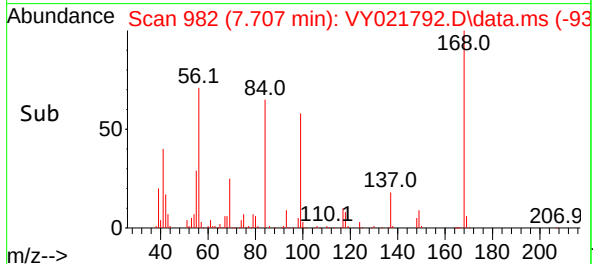
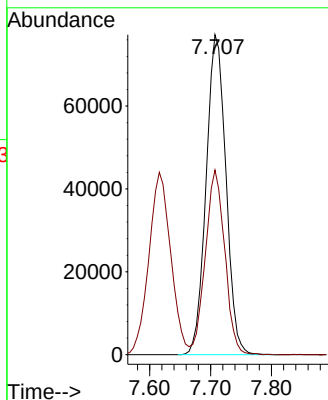
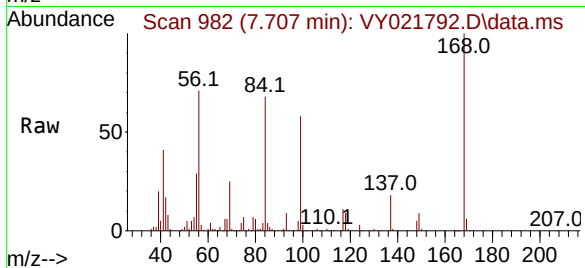
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 17429
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1

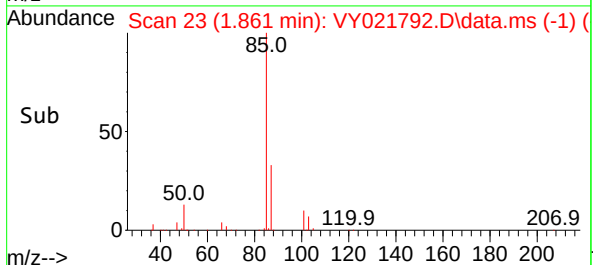
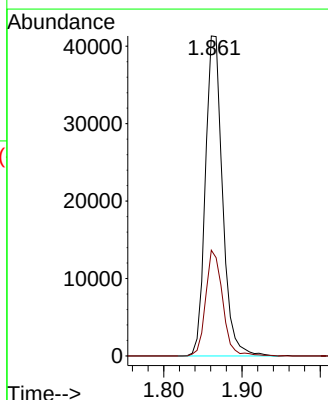
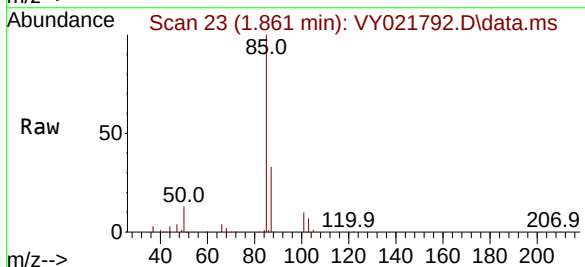
Manual Integrations
APPROVED

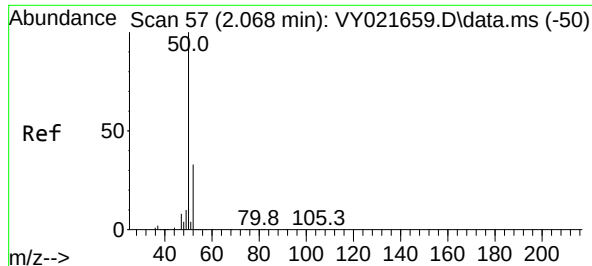
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#2
Dichlorodifluoromethane
Concen: 34.675 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 85 Resp: 62640
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





#3

Chloromethane

Concen: 37.926 ug/l

RT: 2.068 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 96339

Ion Ratio Lower Upper

50 100

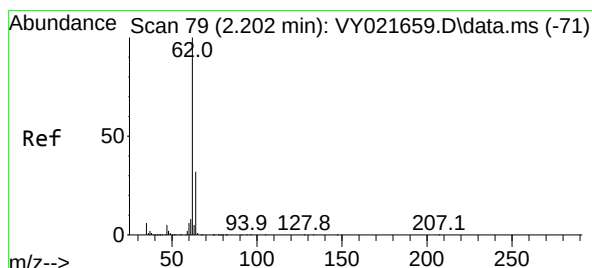
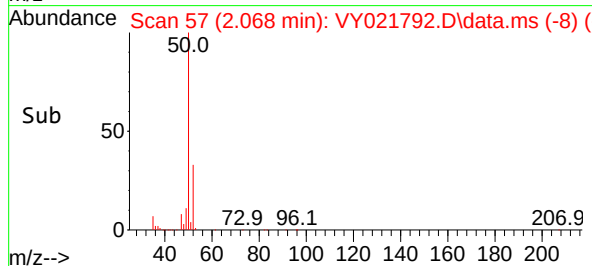
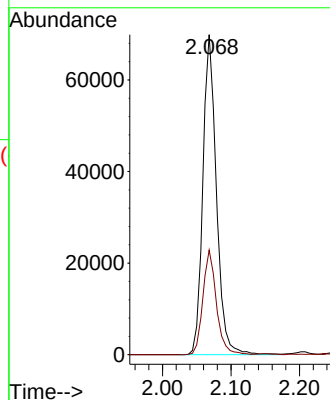
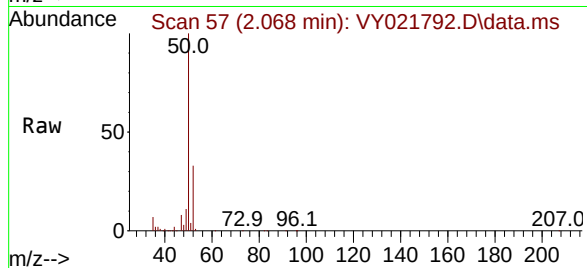
52 32.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#4

Vinyl Chloride

Concen: 40.388 ug/l

RT: 2.202 min Scan# 79

Delta R.T. 0.000 min

Lab File: VY021792.D

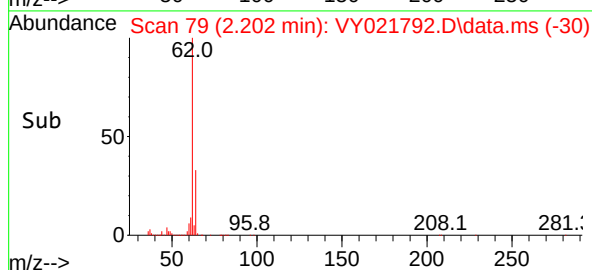
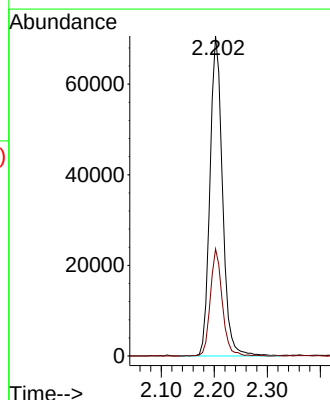
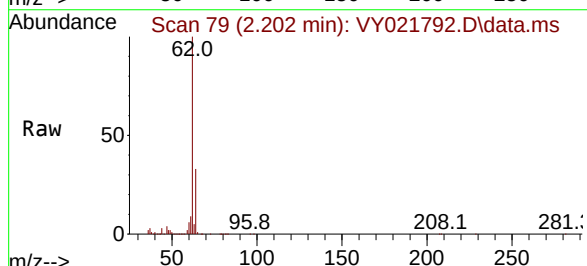
Acq: 04 Apr 2025 17:44

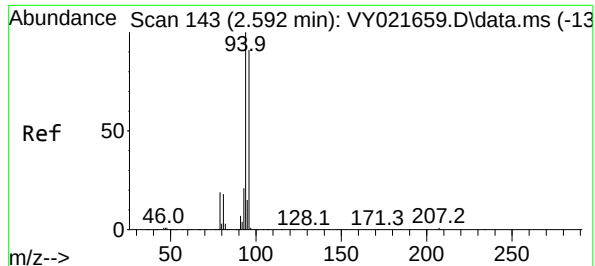
Tgt Ion: 62 Resp: 116025

Ion Ratio Lower Upper

62 100

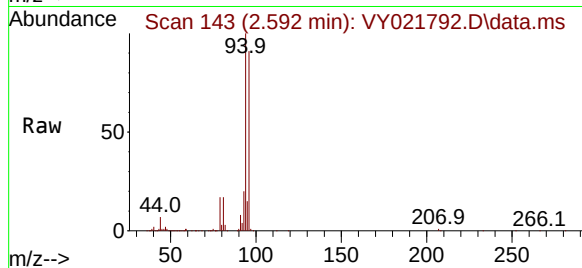
64 33.5 25.5 38.3





#5
Bromomethane
Concen: 41.105 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

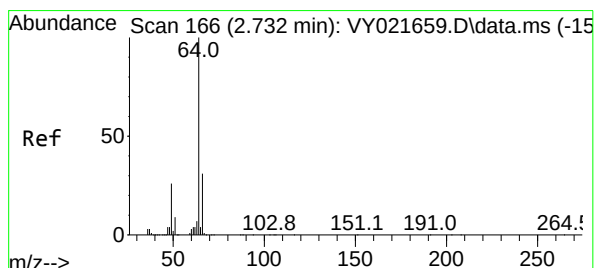
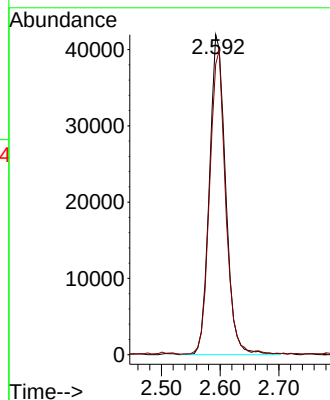
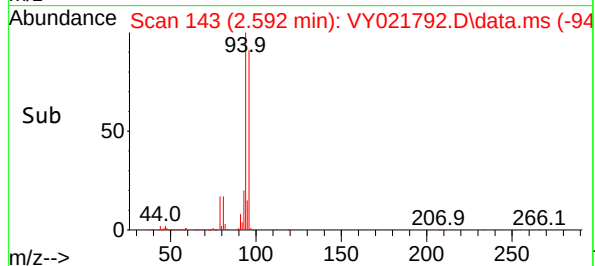
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050EC



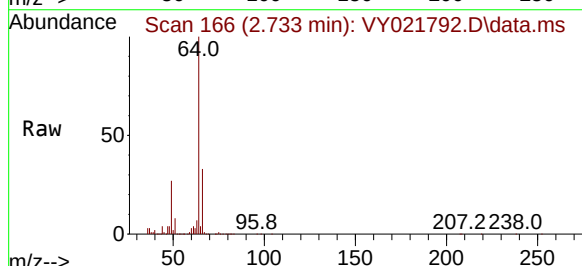
Tgt Ion: 94 Resp: 80538
Ion Ratio Lower Upper
94 100
96 90.6 72.8 109.2

Manual Integrations
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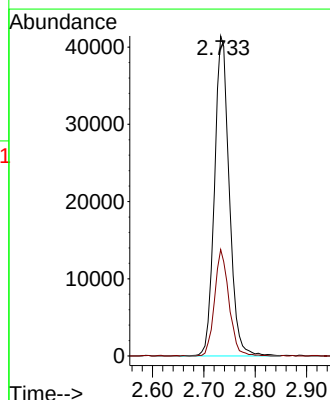
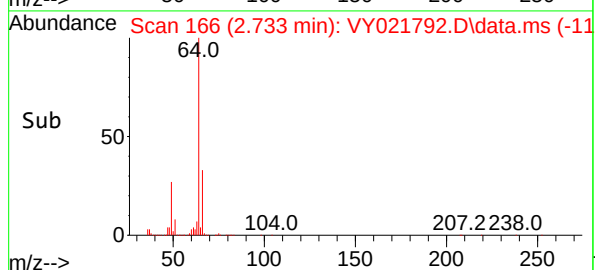
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

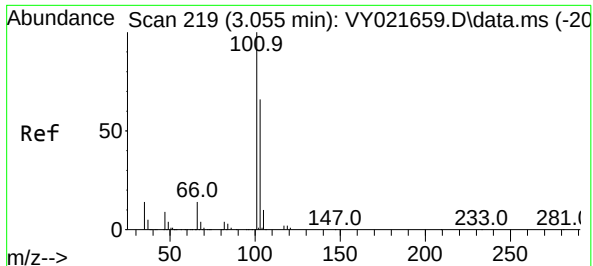


#6
Chloroethane
Concen: 44.021 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44



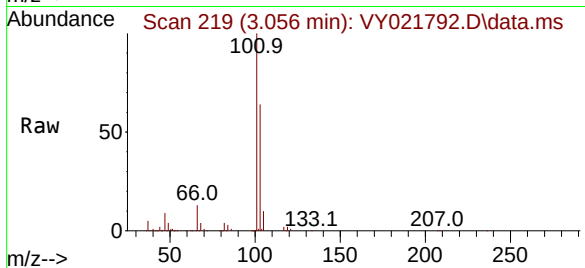
Tgt Ion: 64 Resp: 82750
Ion Ratio Lower Upper
64 100
66 33.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 45.822 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

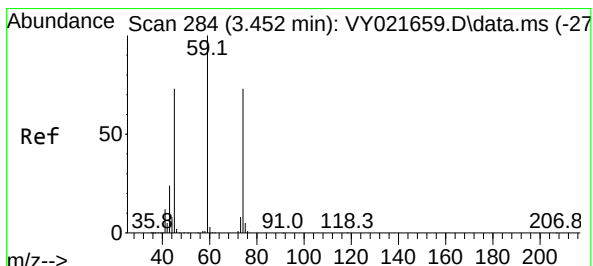
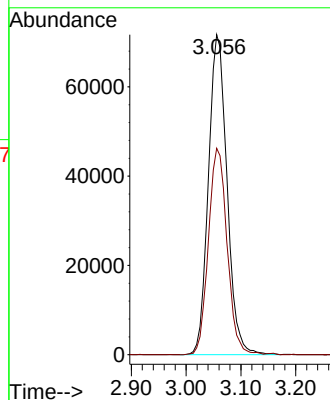
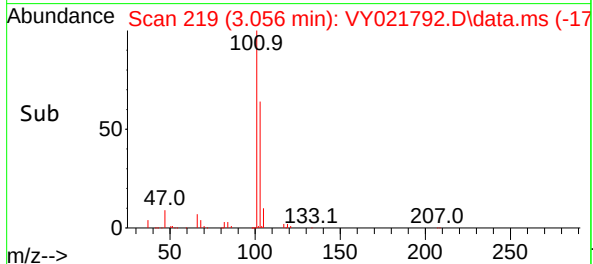
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 168620
Ion Ratio Lower Upper
101 100
103 64.5 53.1 79.7

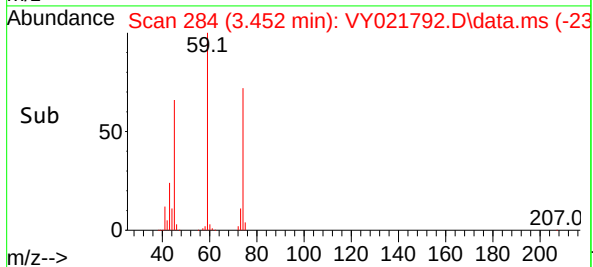
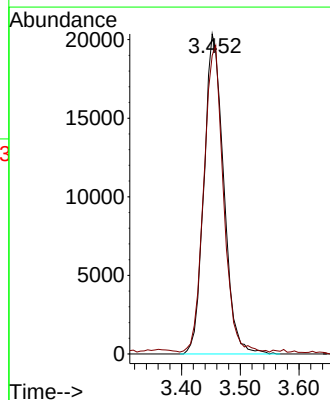
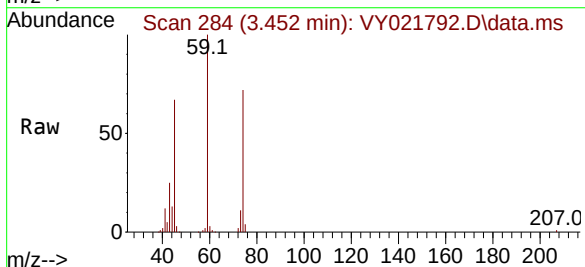
Manual Integrations
APPROVED

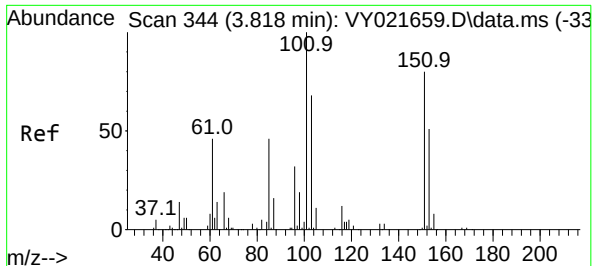
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#8
Diethyl Ether
Concen: 47.399 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 74 Resp: 47435
Ion Ratio Lower Upper
74 100
45 95.3 48.6 145.8





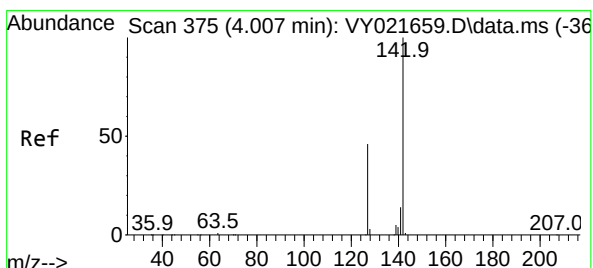
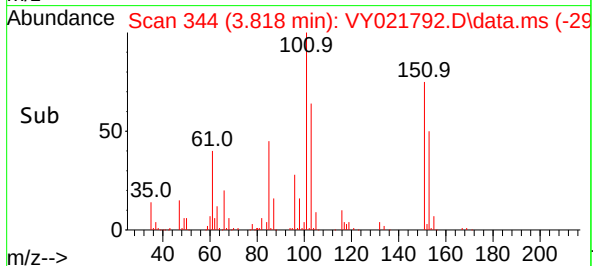
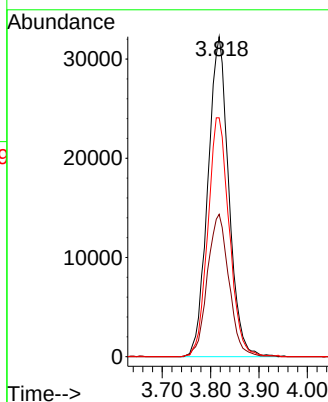
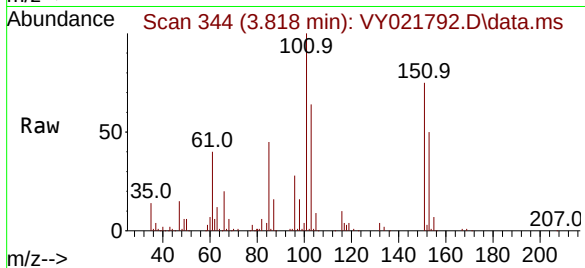
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.950 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 9694
Ion Ratio Lower Upper
101 100
85 46.0 36.3 54.5
151 76.3 61.3 91.9

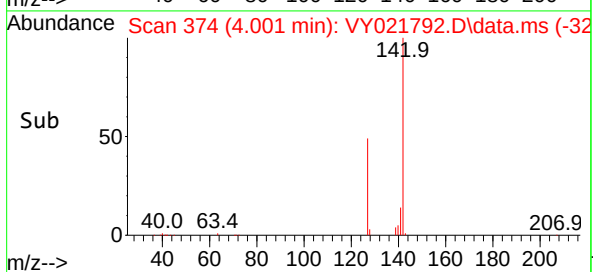
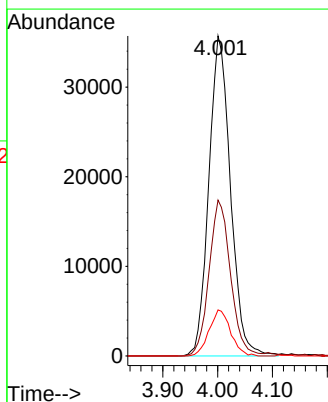
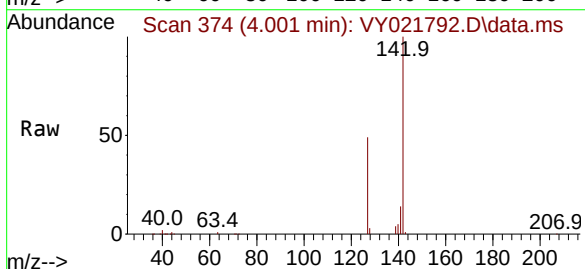
Manual Integrations
APPROVED

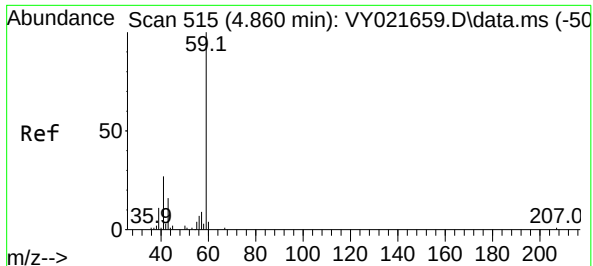
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#10
Methyl Iodide
Concen: 45.932 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:142 Resp: 97802
Ion Ratio Lower Upper
142 100
127 48.2 38.7 58.1
141 14.3 11.5 17.3





#11

Tert butyl alcohol

Concen: 243.556 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 29874

Ion Ratio Lower Upper

59 100

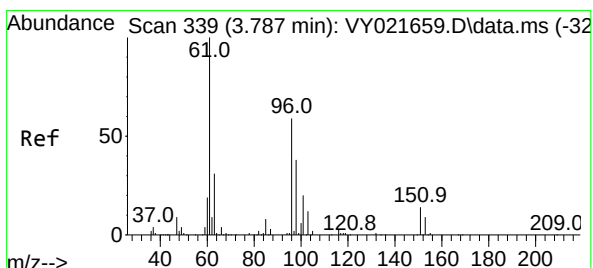
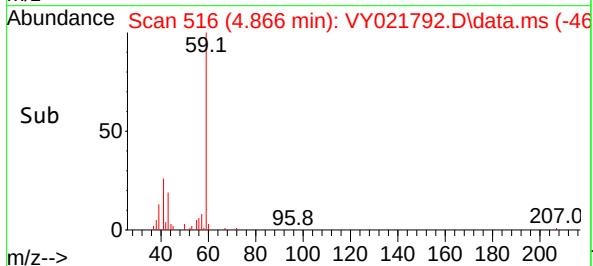
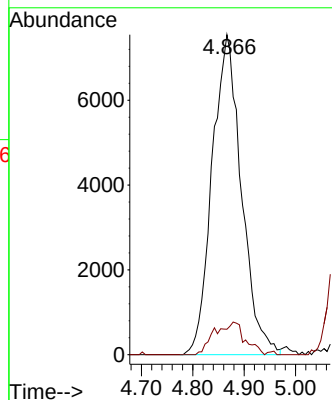
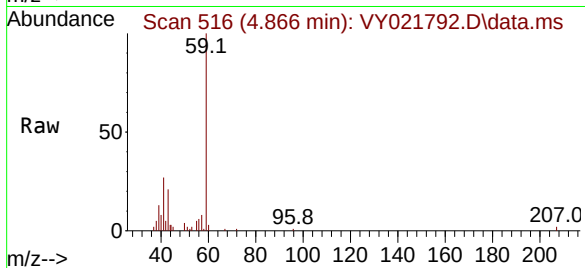
57 5.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#12

1,1-Dichloroethene

Concen: 45.612 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

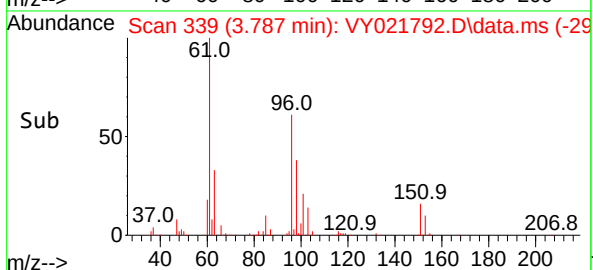
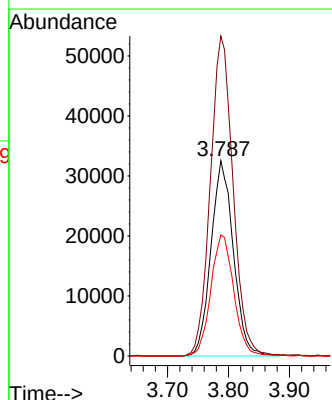
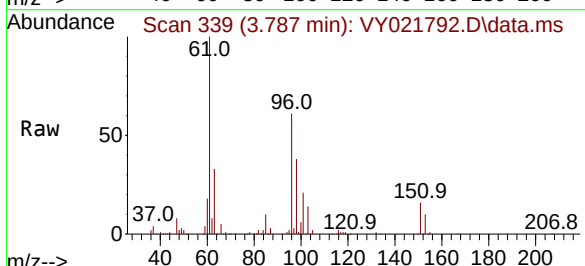
Tgt Ion: 96 Resp: 83387

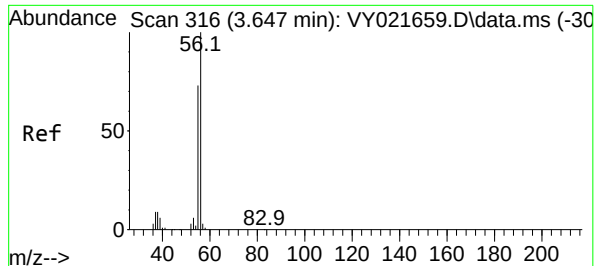
Ion Ratio Lower Upper

96 100

61 163.9 136.6 204.8

98 62.0 52.3 78.5





#13

Acrolein

Concen: 7.930 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 1770

Ion Ratio Lower Upper

56 100

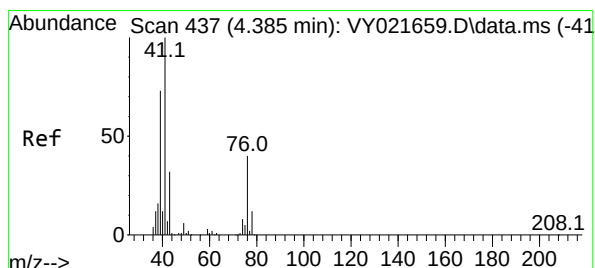
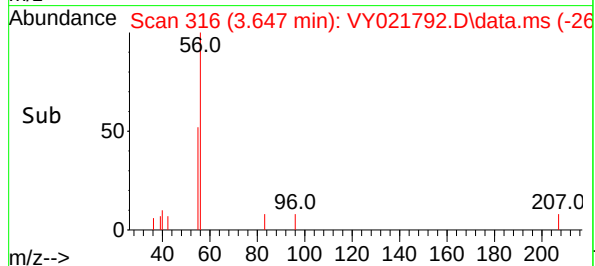
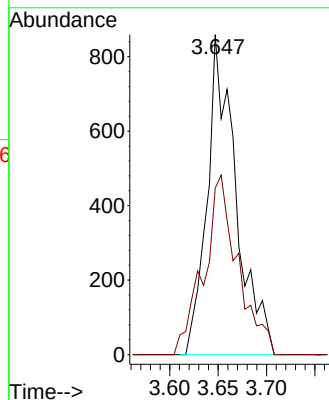
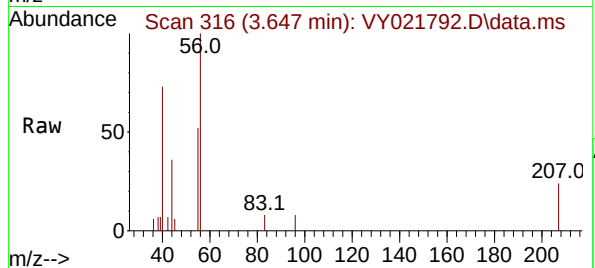
55 66.2 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#14

Allyl chloride

Concen: 47.435 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

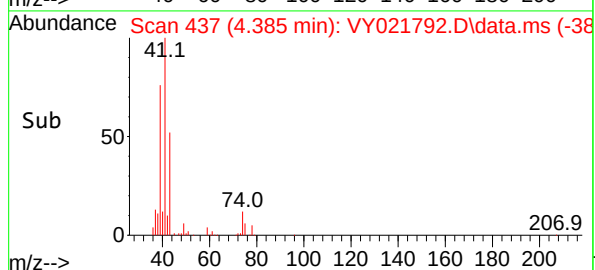
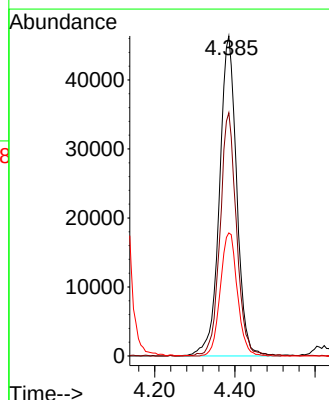
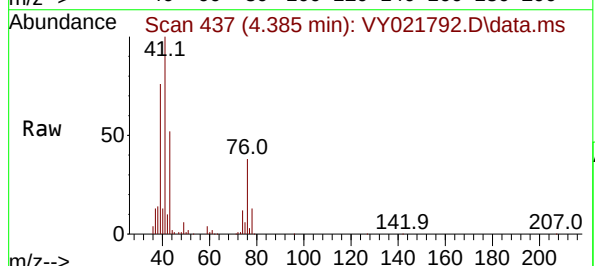
Tgt Ion: 41 Resp: 138265

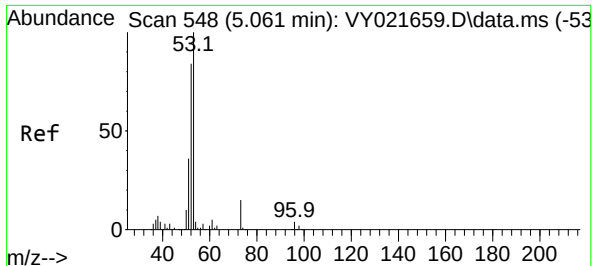
Ion Ratio Lower Upper

41 100

39 72.6 58.6 88.0

76 38.0 30.3 45.5





#15

Acrylonitrile

Concen: 267.842 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 111919

Ion Ratio Lower Upper

53 100

52 81.4 64.9 97.3

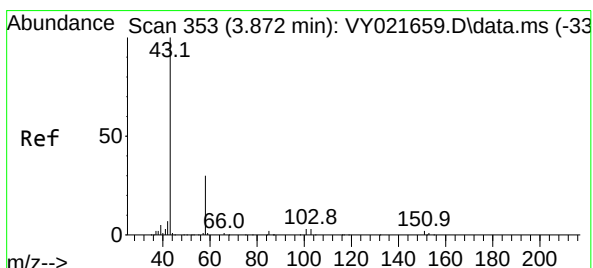
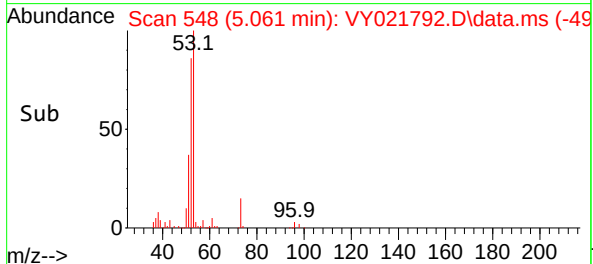
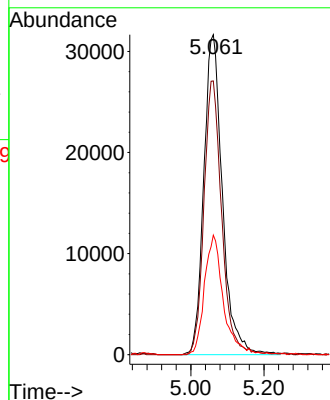
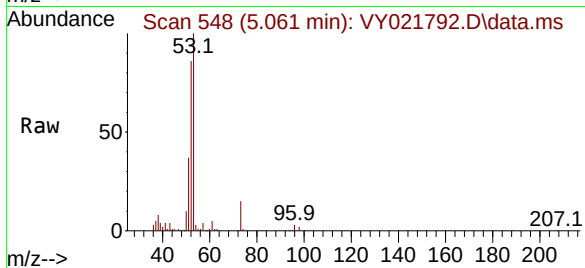
51 38.0 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#16

Acetone

Concen: 215.455 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY021792.D

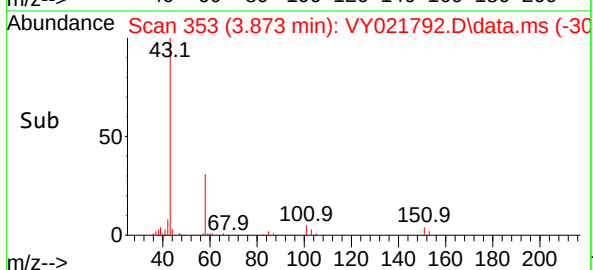
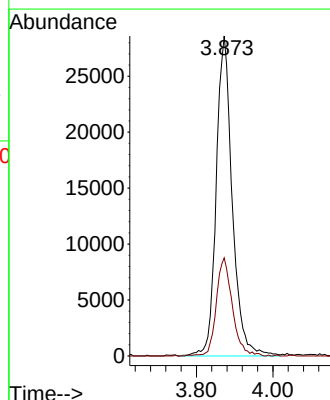
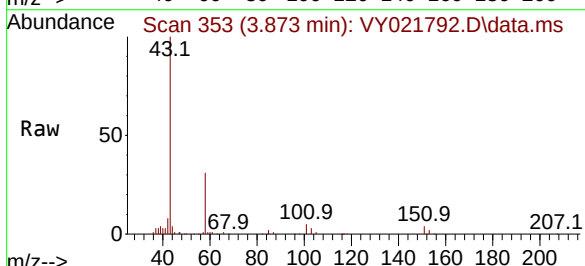
Acq: 04 Apr 2025 17:44

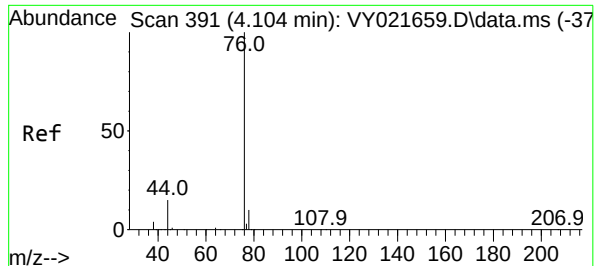
Tgt Ion: 43 Resp: 83270

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.4





#17

Carbon Disulfide

Concen: 37.940 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 22845

Ion Ratio Lower Upper

76 100

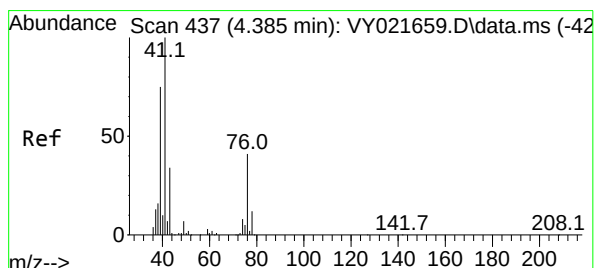
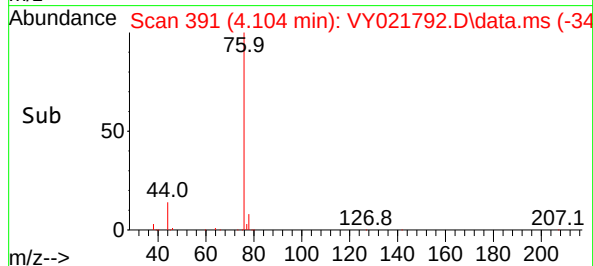
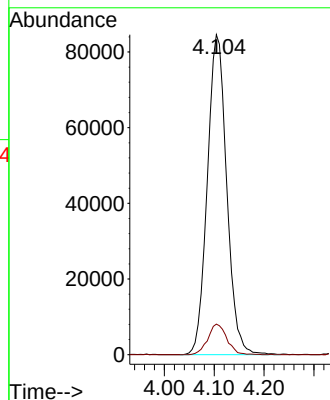
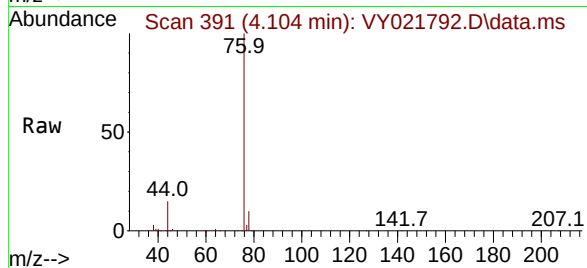
78 9.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#18

Methyl Acetate

Concen: 76.853 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021792.D

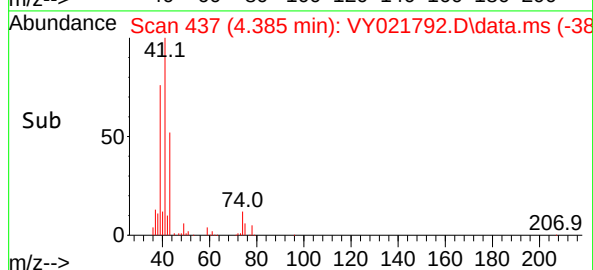
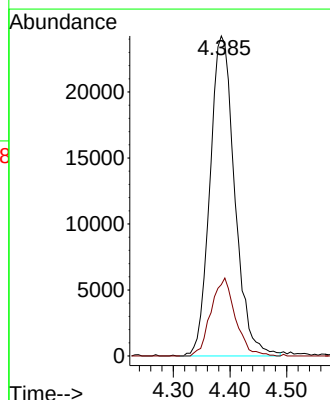
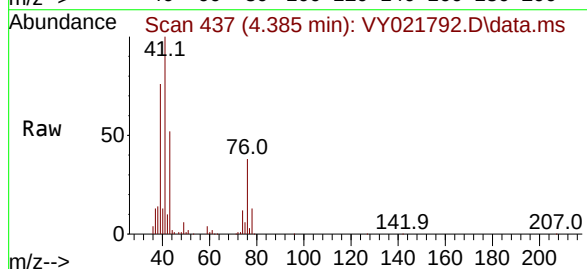
Acq: 04 Apr 2025 17:44

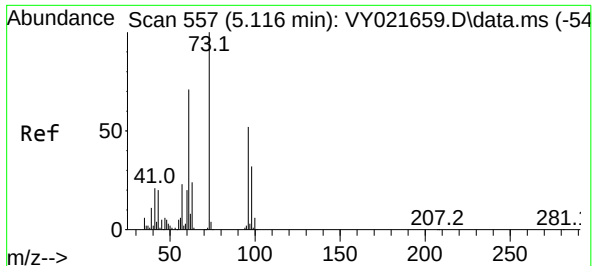
Tgt Ion: 43 Resp: 73615

Ion Ratio Lower Upper

43 100

74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.970 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 23198

Ion Ratio Lower Upper

73 100

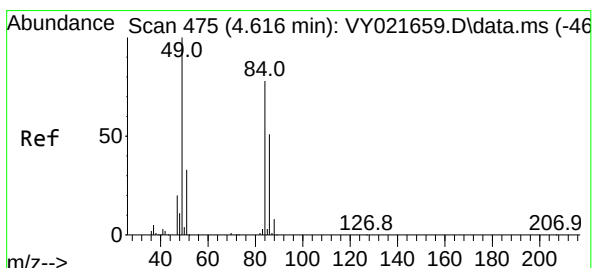
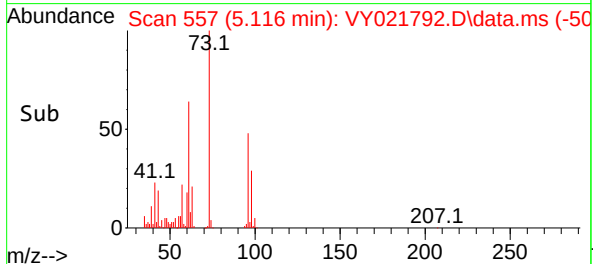
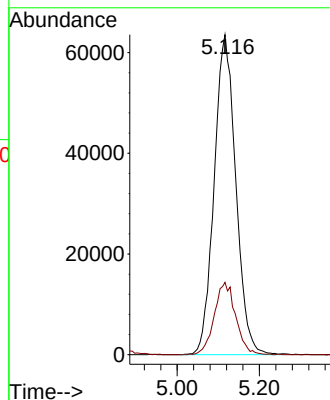
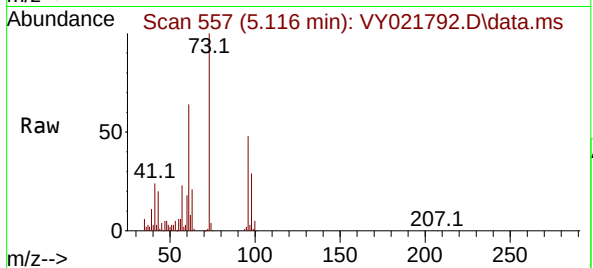
57 22.6 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#20

Methylene Chloride

Concen: 53.510 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion: 84 Resp: 100684

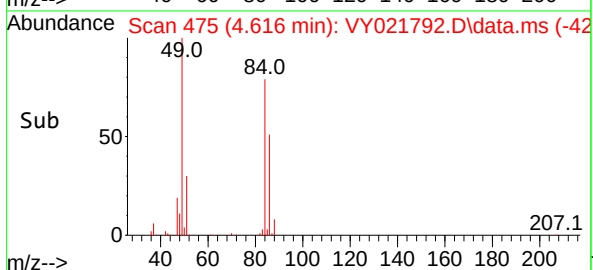
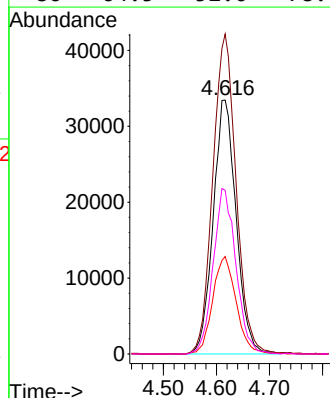
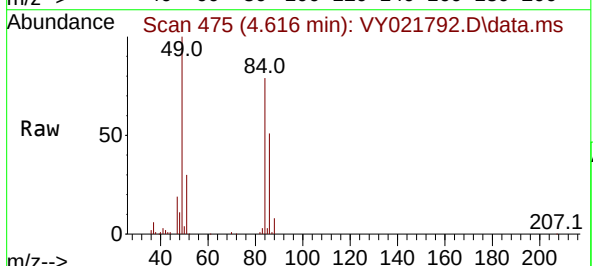
Ion Ratio Lower Upper

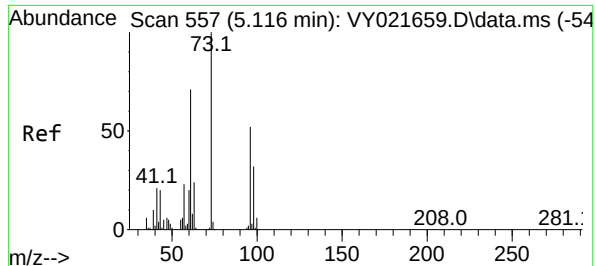
84 100

49 126.0 102.8 154.2

51 38.4 33.5 50.3

86 64.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.223 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 95054

Ion Ratio Lower Upper

96 100

61 133.1 109.4 164.0

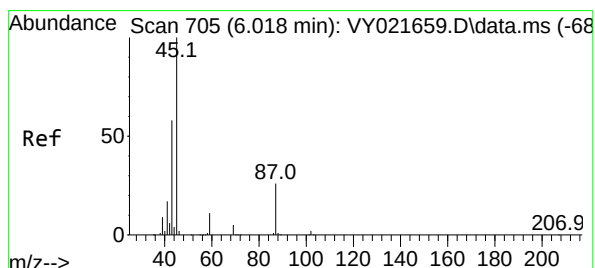
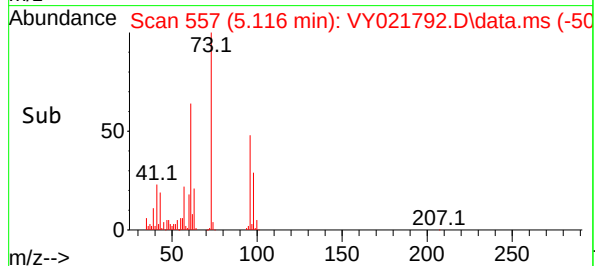
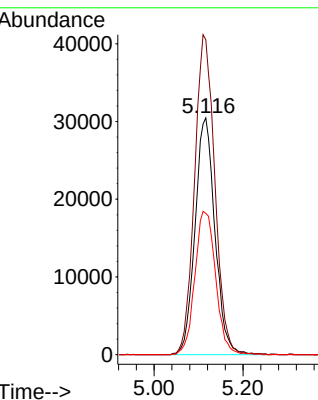
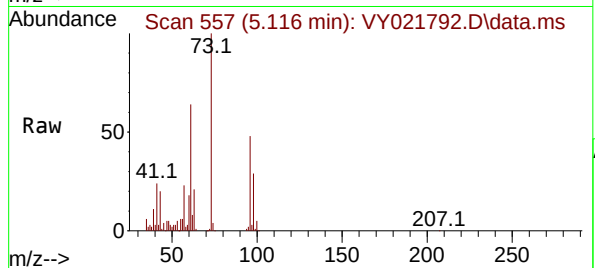
98 59.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#22

Diisopropyl ether

Concen: 52.609 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion: 45 Resp: 321680

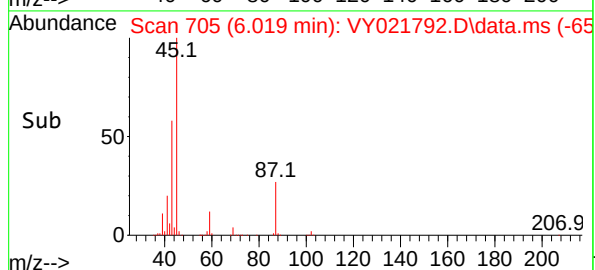
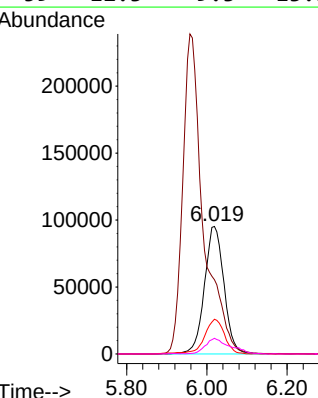
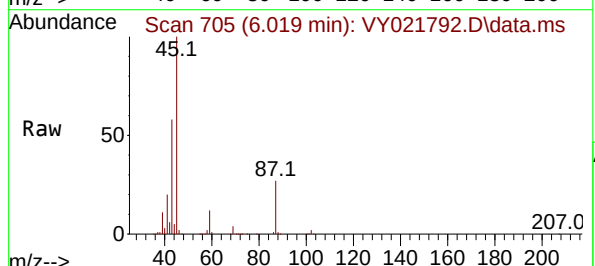
Ion Ratio Lower Upper

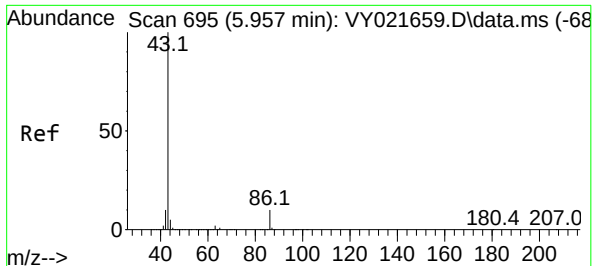
45 100

43 57.9 46.6 69.8

87 27.3 20.7 31.1

59 12.3 9.3 13.9





#23

Vinyl Acetate

Concen: 238.431 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 85288

Ion Ratio Lower Upper

43

100

86

10.4

8.2

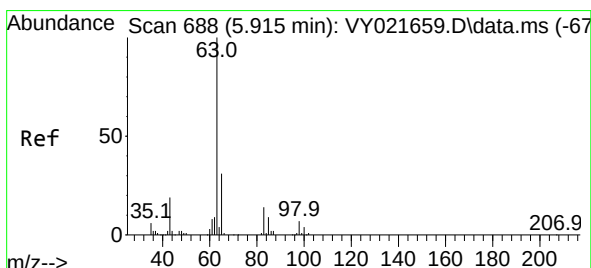
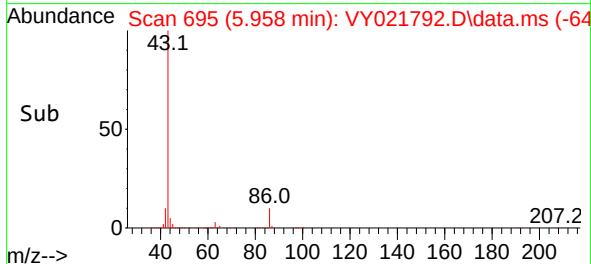
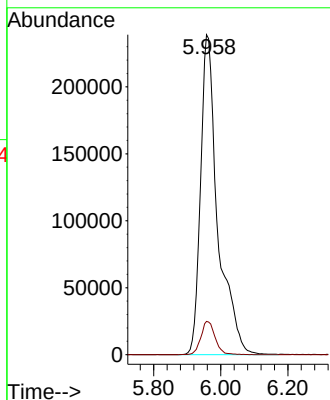
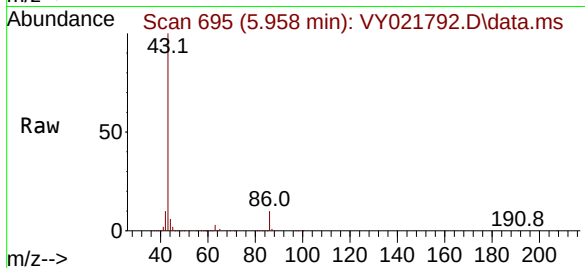
12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#24

1,1-Dichloroethane

Concen: 50.240 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 183690

Ion Ratio Lower Upper

63

100

98

7.4

3.5

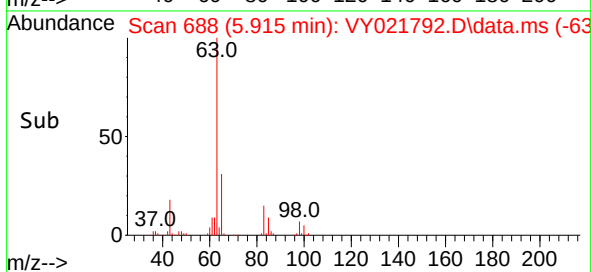
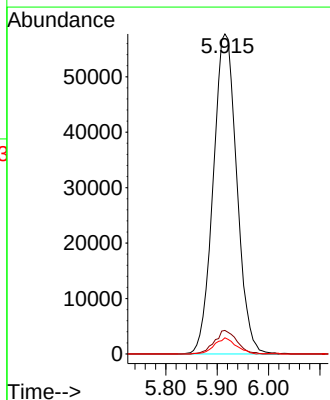
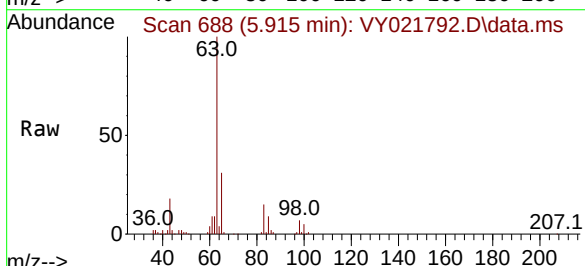
10.5

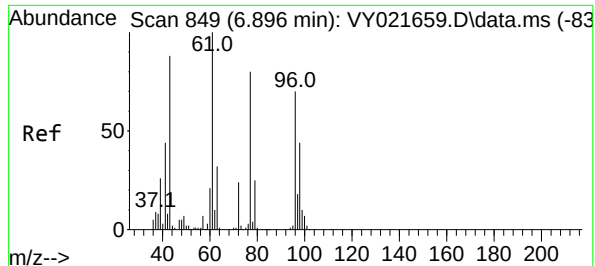
100

5.1

2.2

6.6





#25

2-Butanone

Concen: 252.446 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 13935

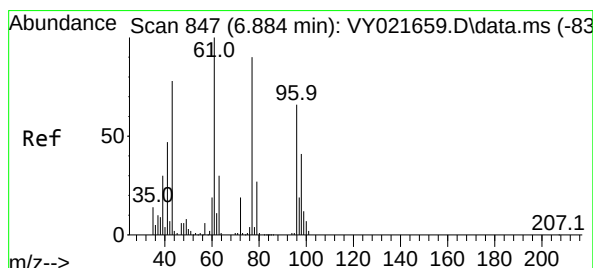
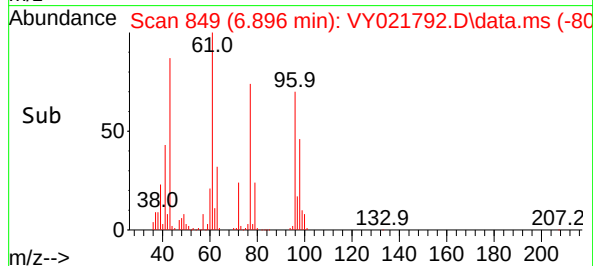
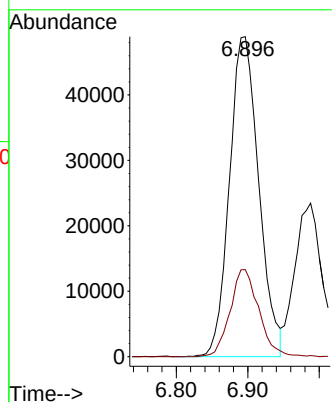
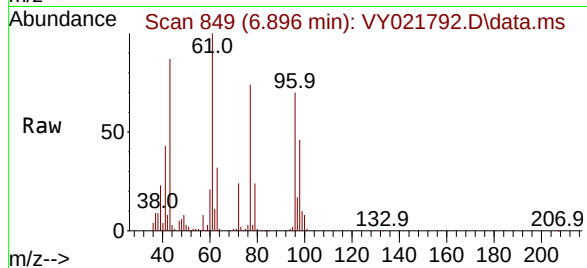
Ion Ratio Lower Upper

43 100

72 27.2 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#26

2,2-Dichloropropane

Concen: 46.414 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021792.D

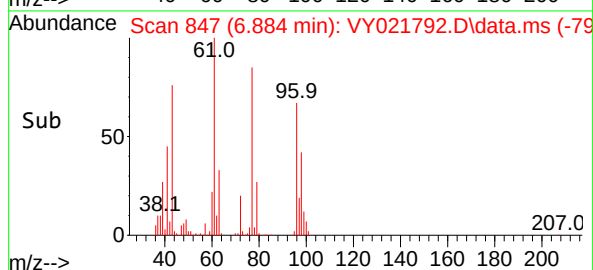
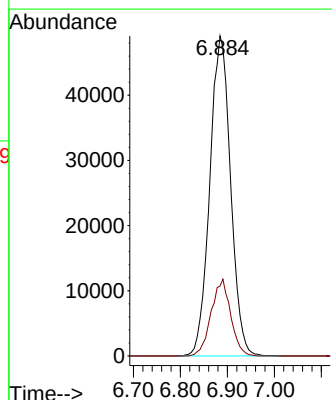
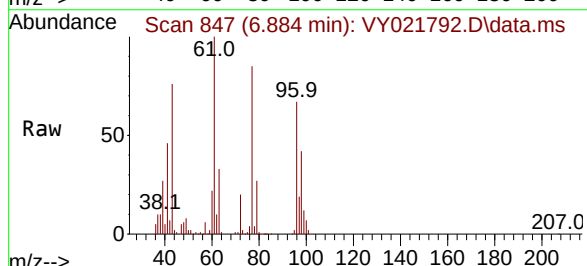
Acq: 04 Apr 2025 17:44

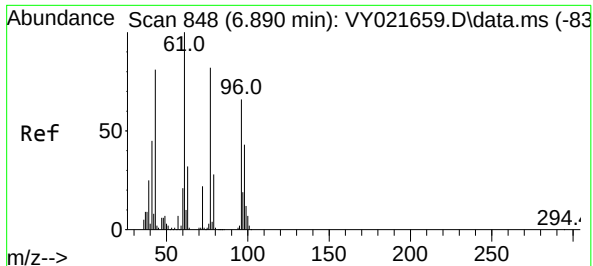
Tgt Ion: 77 Resp: 150953

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.266 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 11378

Ion Ratio Lower Upper

96 100

61 147.2 0.0 296.4

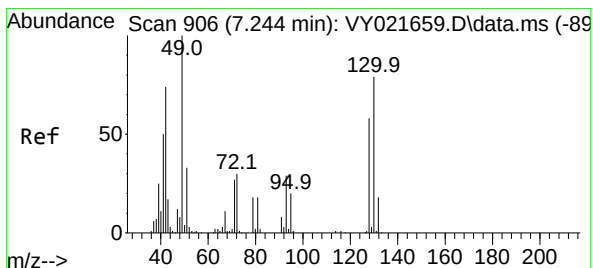
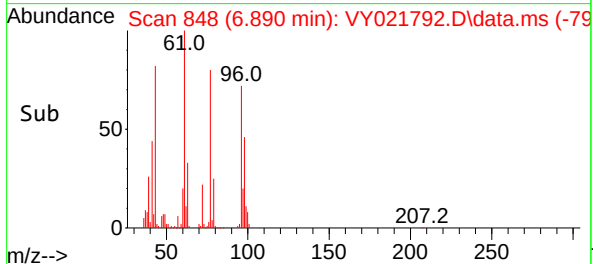
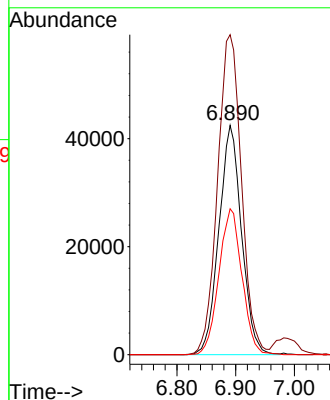
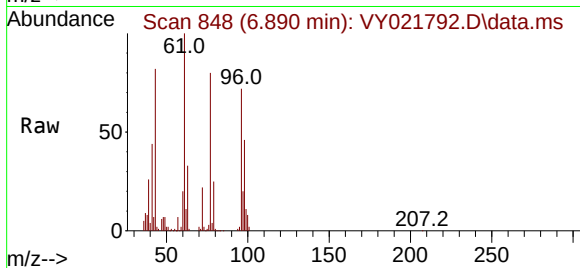
98 64.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#28

Bromochloromethane

Concen: 49.629 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

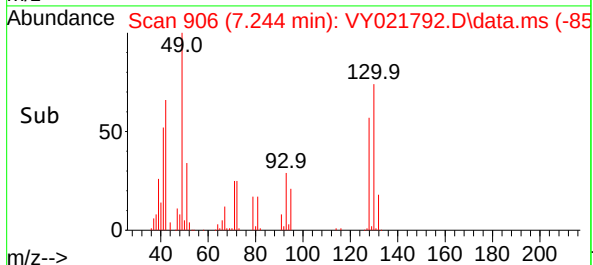
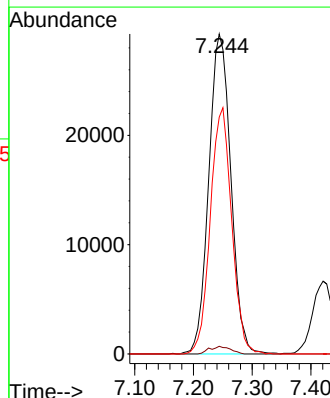
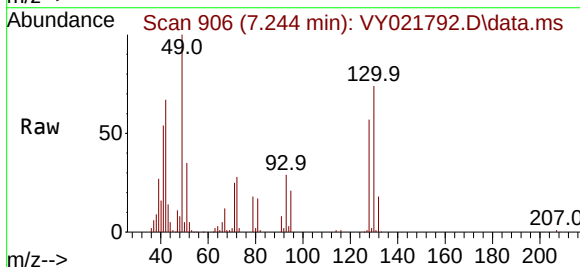
Tgt Ion: 49 Resp: 76527

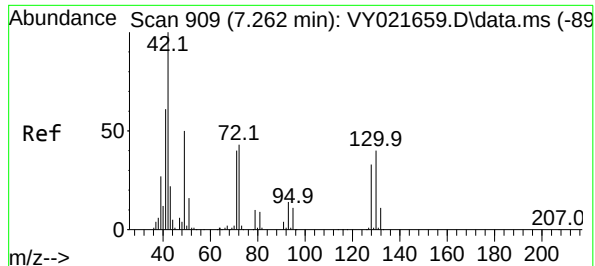
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 74.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 265.308 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

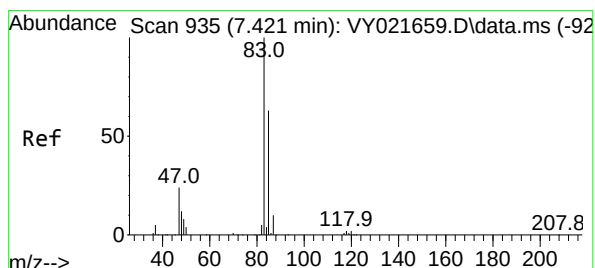
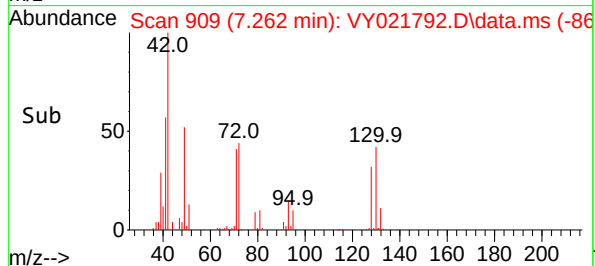
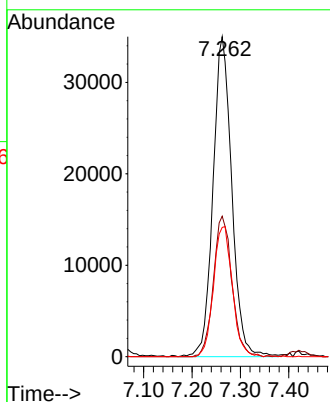
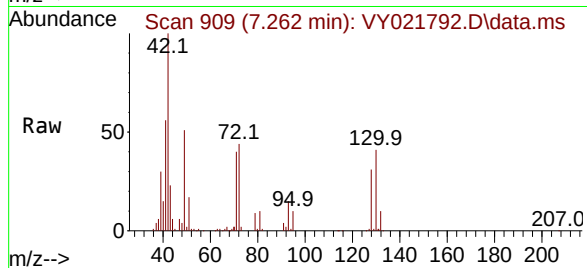
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	42	Resp:	9425
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.9	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#30

Chloroform

Concen: 51.519 ug/l

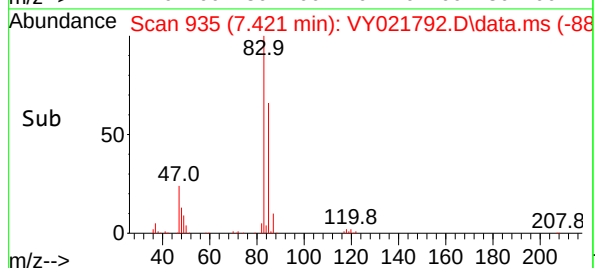
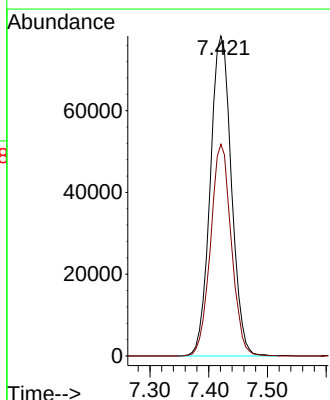
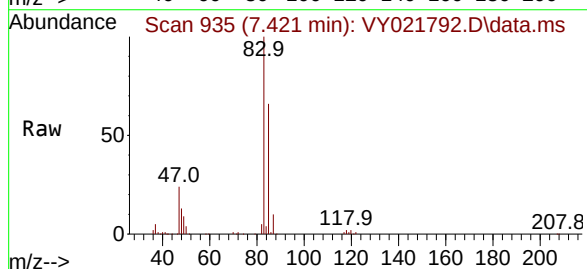
RT: 7.421 min Scan# 935

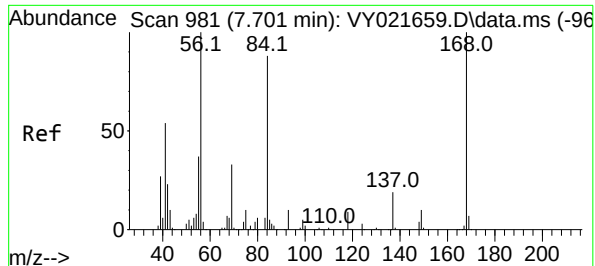
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	83	Resp:	195921
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	75.8





#31

Cyclohexane

Concen: 45.062 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 150188

Ion Ratio Lower Upper

56 100

69 33.6 26.6 40.0

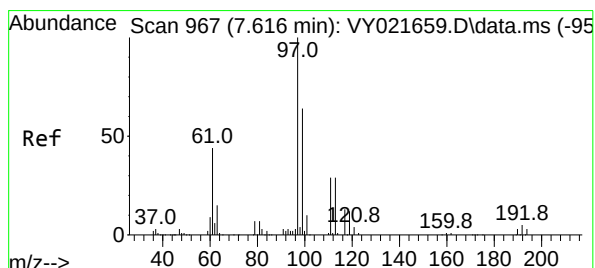
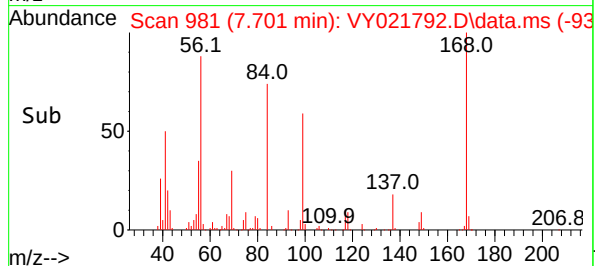
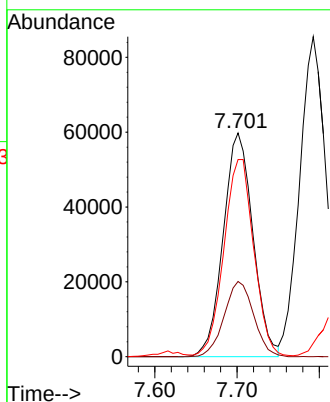
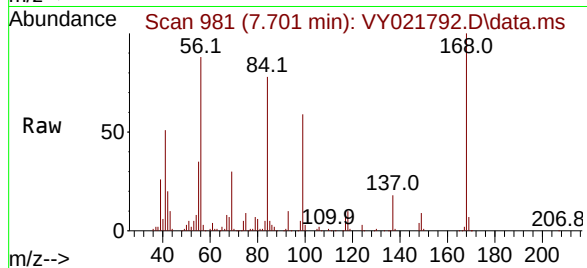
84 86.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#32

1,1,1-Trichloroethane

Concen: 50.714 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

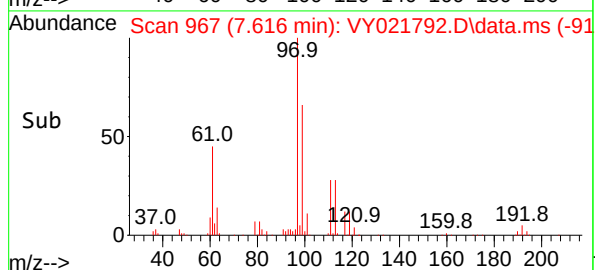
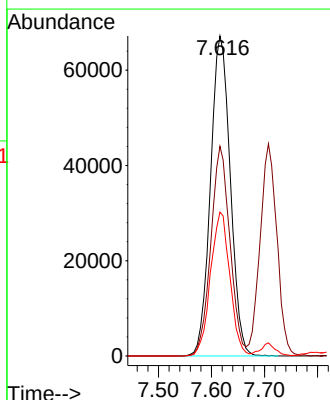
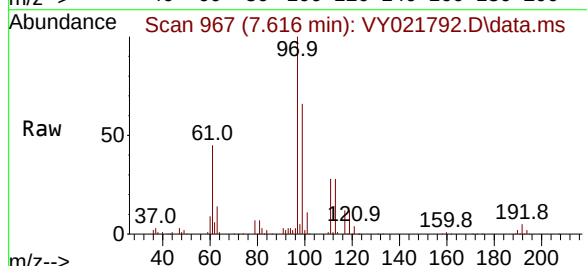
Tgt Ion: 97 Resp: 174309

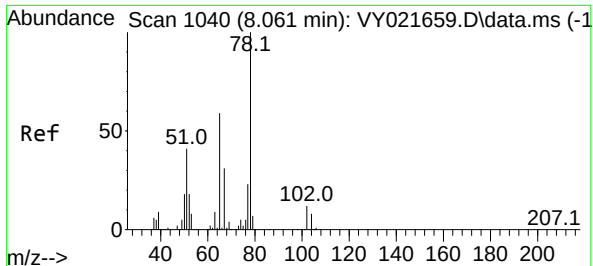
Ion Ratio Lower Upper

97 100

99 63.3 50.7 76.1

61 44.1 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.291 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 9308

Ion Ratio Lower Upper

65 100

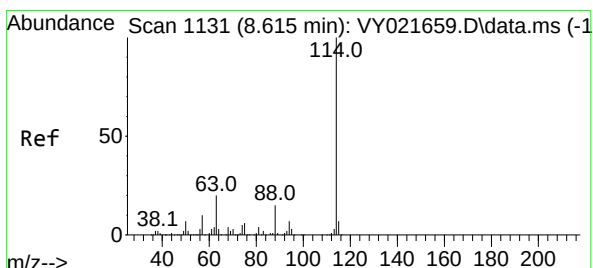
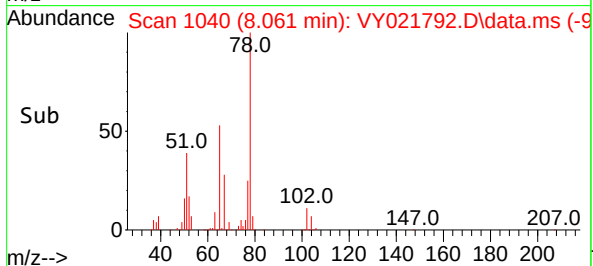
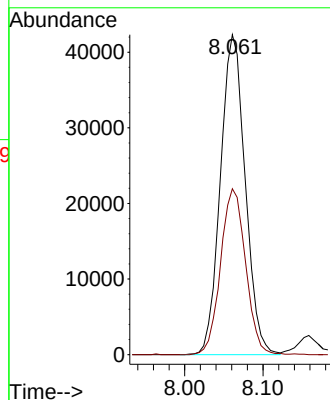
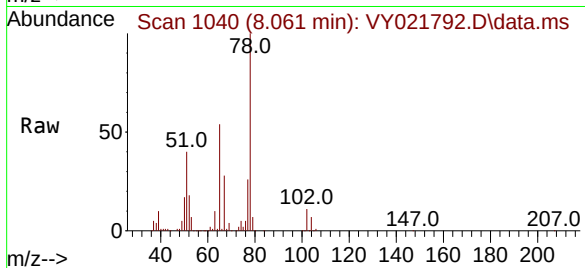
67 52.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

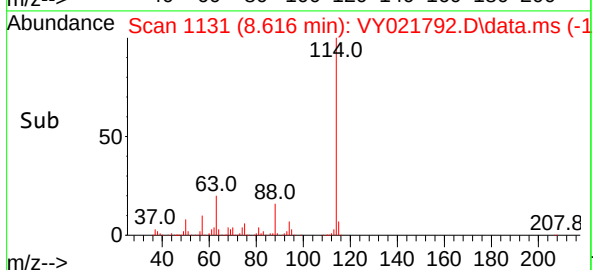
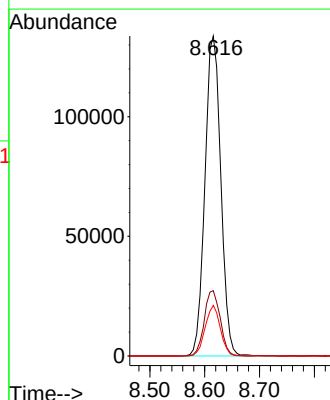
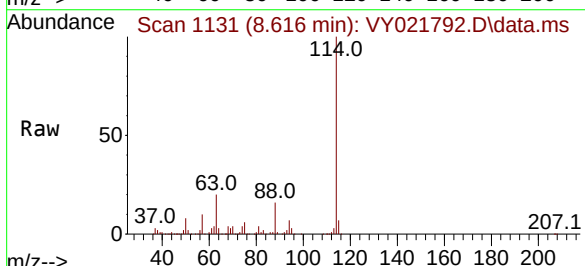
Tgt Ion:114 Resp: 268405

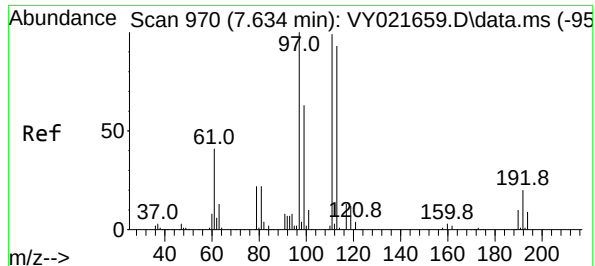
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.567 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 8978

Ion Ratio Lower Upper

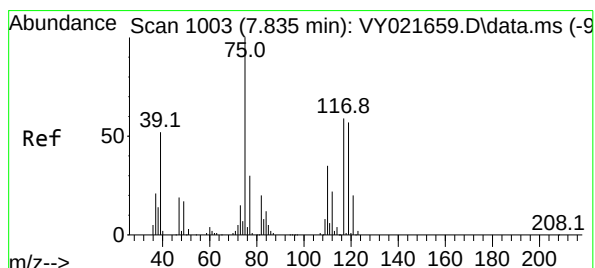
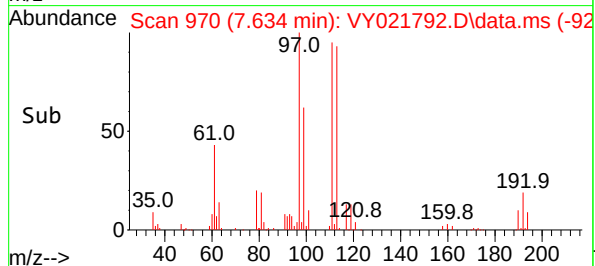
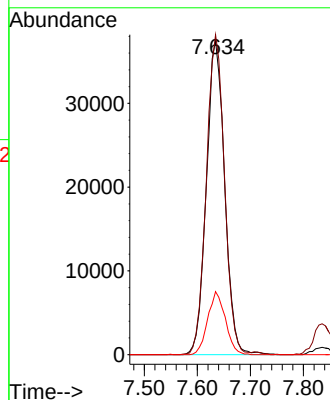
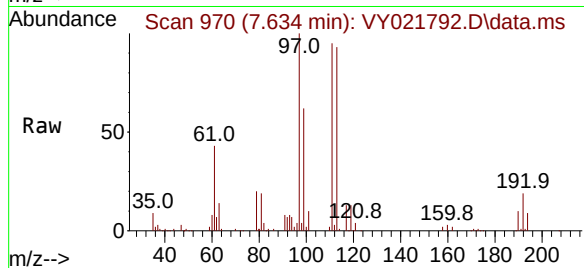
113 100

111 101.1 82.6 123.8

192 19.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#36

1,1-Dichloropropene

Concen: 50.035 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

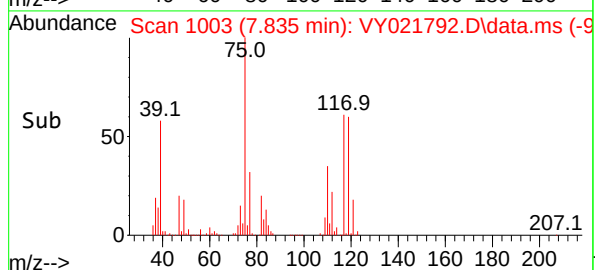
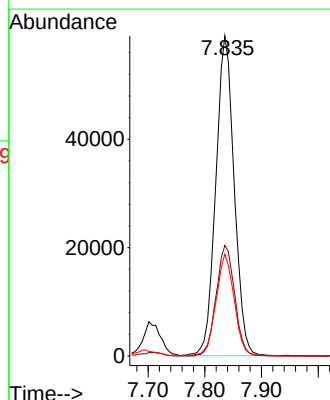
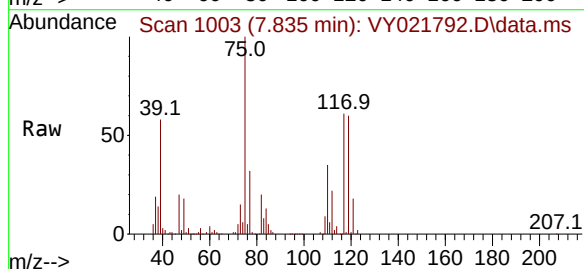
Tgt Ion: 75 Resp: 132692

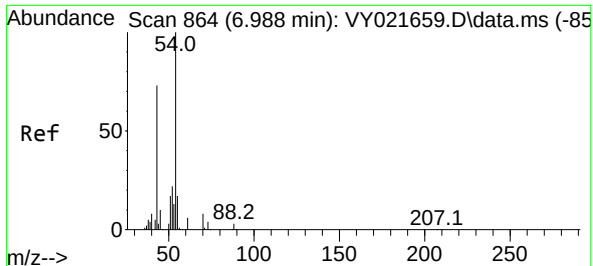
Ion Ratio Lower Upper

75 100

110 34.7 17.0 50.9

77 31.6 24.8 37.2





#37

Ethyl Acetate

Concen: 51.733 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 6474

Ion Ratio Lower Upper

43 100

61 13.1 11.0 16.6

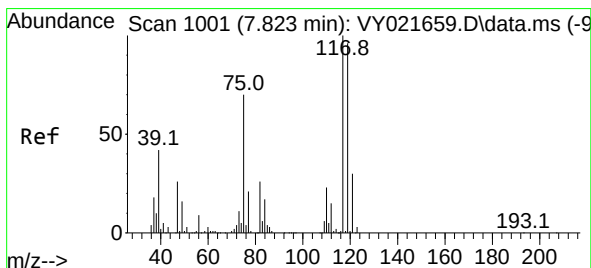
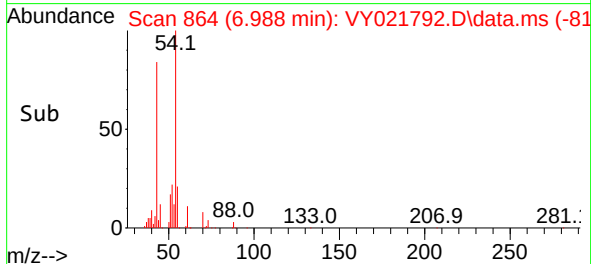
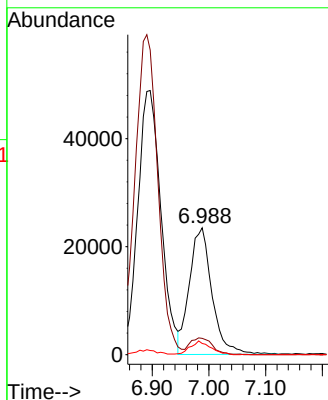
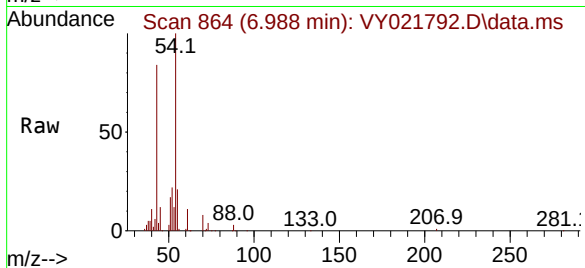
70 9.8 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#38

Carbon Tetrachloride

Concen: 51.249 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

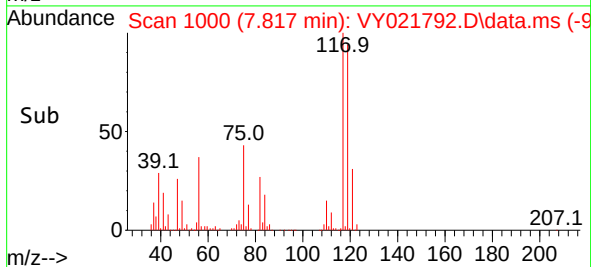
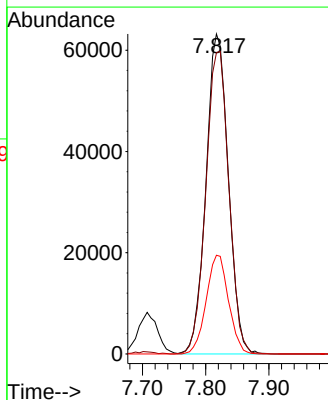
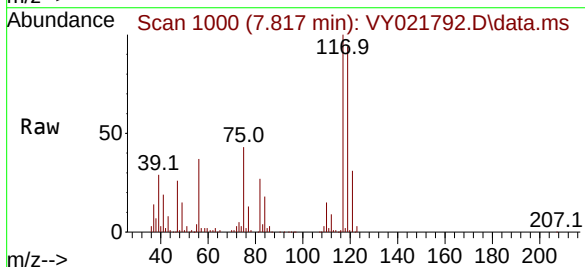
Tgt Ion:117 Resp: 155663

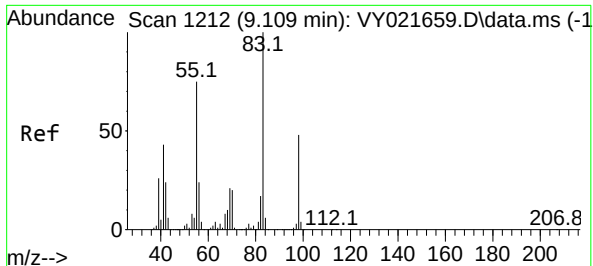
Ion Ratio Lower Upper

117 100

119 94.2 76.2 114.4

121 30.8 24.2 36.4





#39

Methylcyclohexane

Concen: 50.922 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

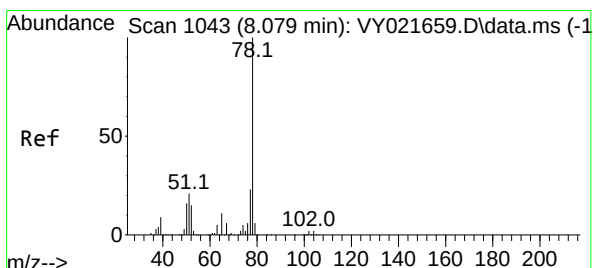
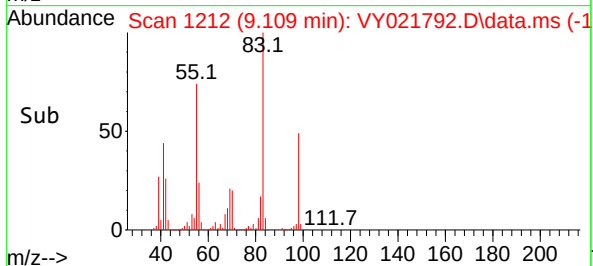
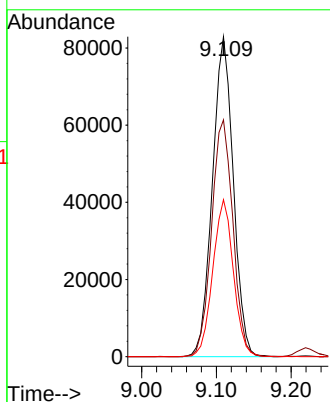
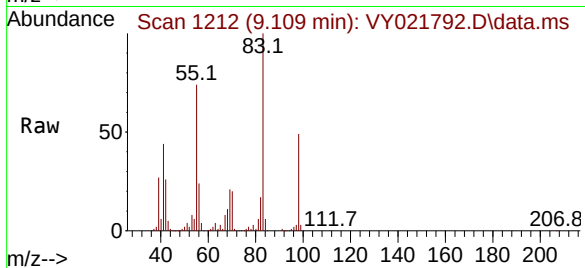
VSTDCCC050EC

Tgt Ion:	83	Resp:	16132
Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.7	89.5
98	49.1	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#40

Benzene

Concen: 51.051 ug/l

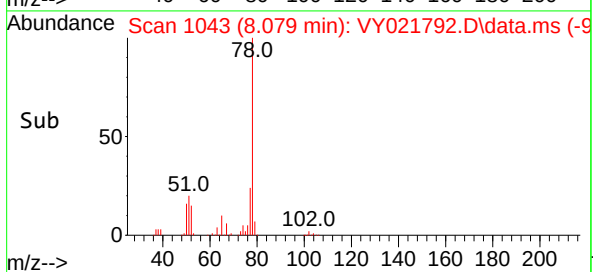
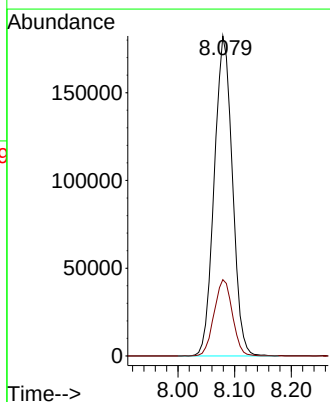
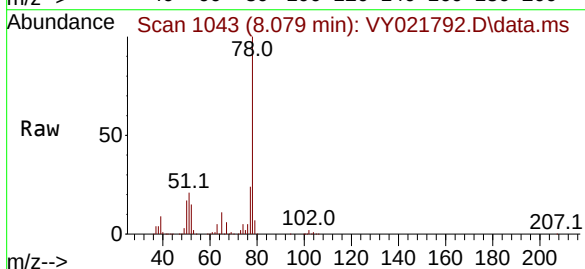
RT: 8.079 min Scan# 1043

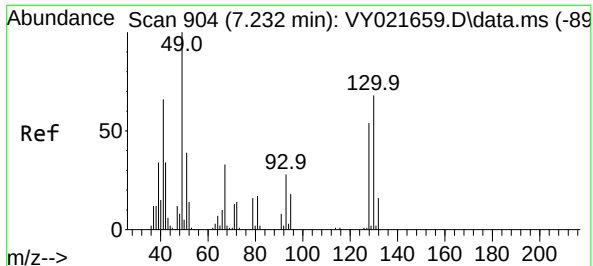
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	78	Resp:	405446
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41

Methacrylonitrile

Concen: 52.095 ug/l

RT: 7.213 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

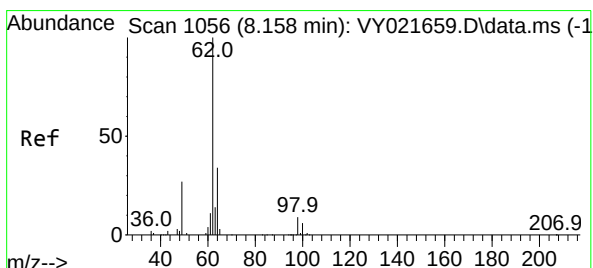
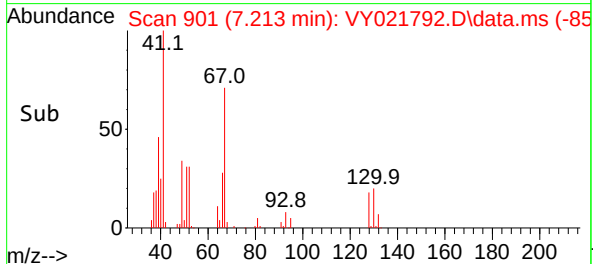
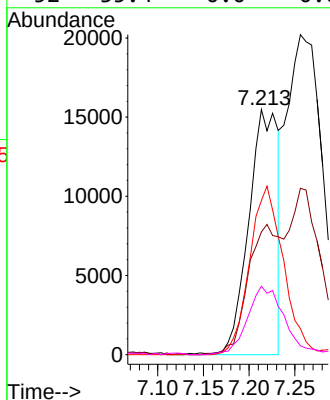
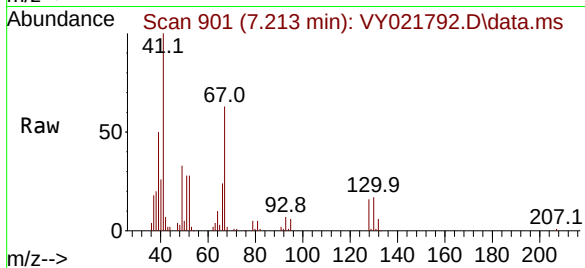
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	41	Resp:	34620
Ion Ratio	Lower	Upper	
41	100		
39	61.9	0.0	0.0
67	79.8	0.0	0.0
52	35.4	0.0	0.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#42

1,2-Dichloroethane

Concen: 51.801 ug/l

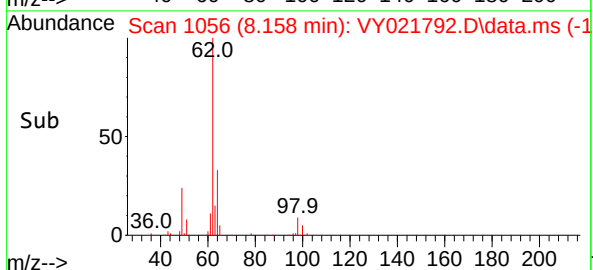
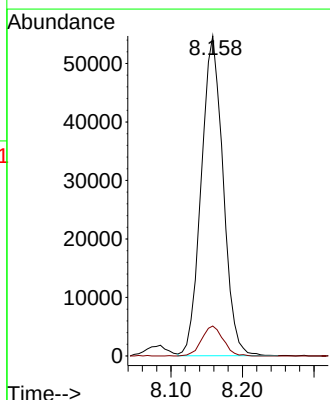
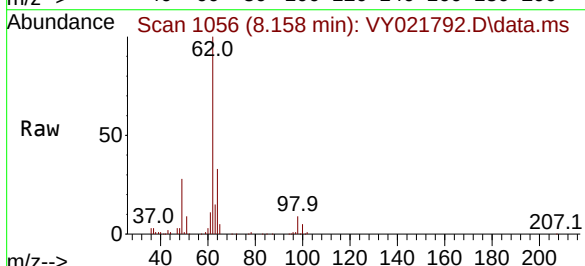
RT: 8.158 min Scan# 1056

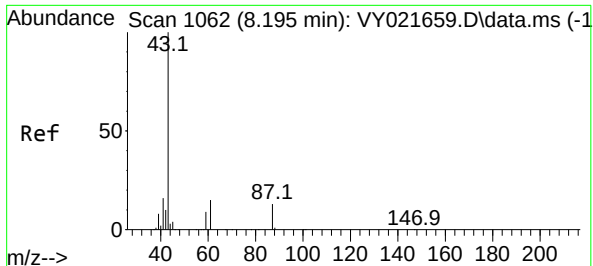
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	62	Resp:	115981
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 52.369 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

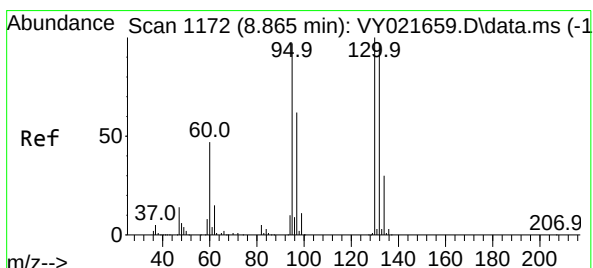
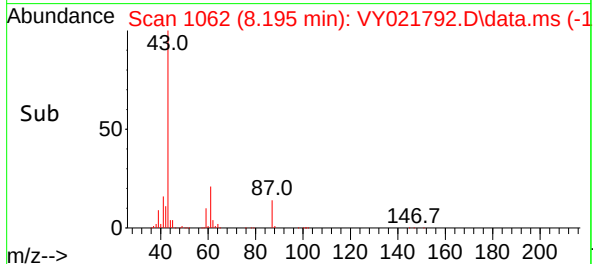
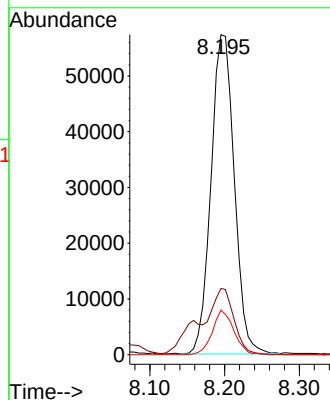
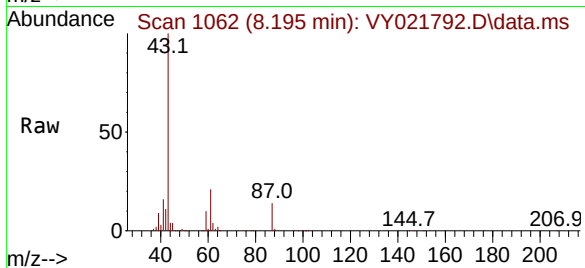
VSTDCCC050EC

Tgt Ion:	43	Resp:	124209
Ion Ratio	Lower	Upper	
43	100		
61	20.4	15.9	23.9
87	12.9	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#44

Trichloroethene

Concen: 51.907 ug/l

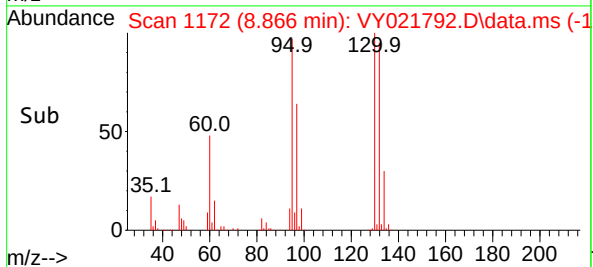
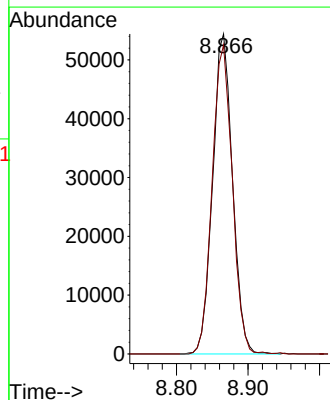
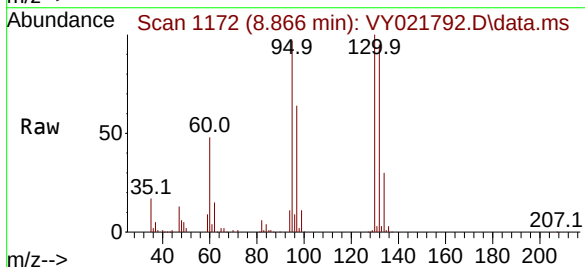
RT: 8.866 min Scan# 1172

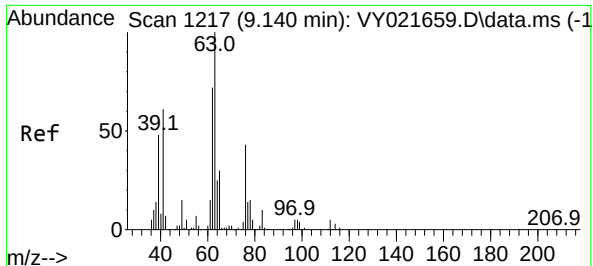
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	130	Resp:	105036
Ion Ratio	Lower	Upper	
130	100		
95	96.6	0.0	194.8





#45

1,2-Dichloropropane

Concen: 53.457 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050EC

Tgt Ion: 63 Resp: 100494

Ion Ratio Lower Upper

63 100

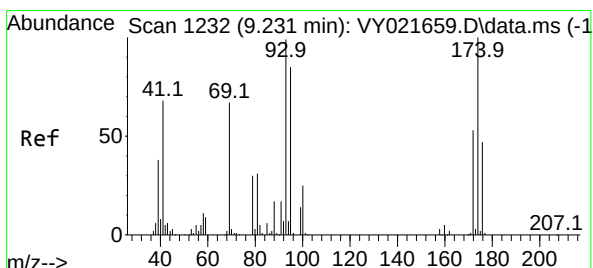
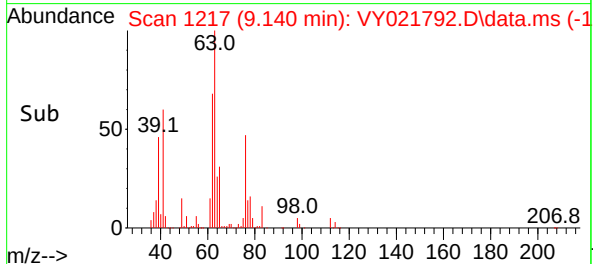
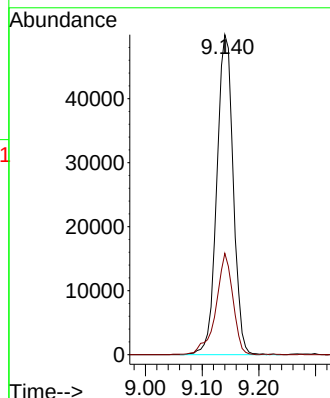
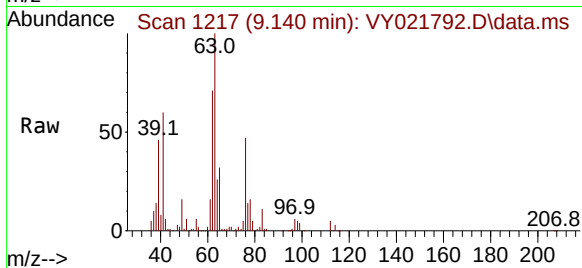
65 31.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#46

Dibromomethane

Concen: 53.422 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

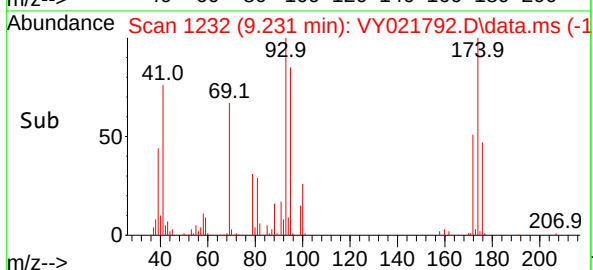
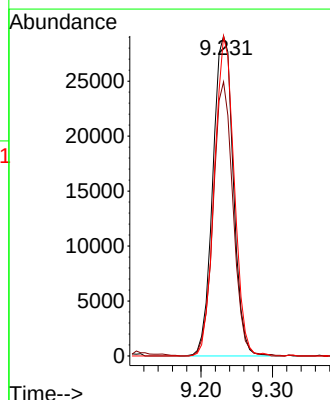
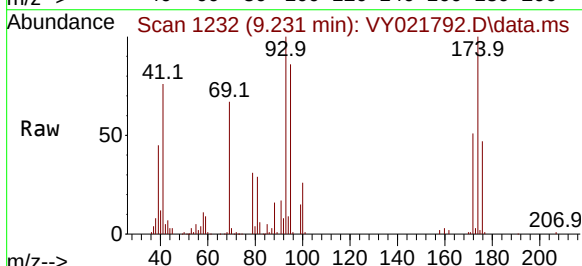
Tgt Ion: 93 Resp: 57879

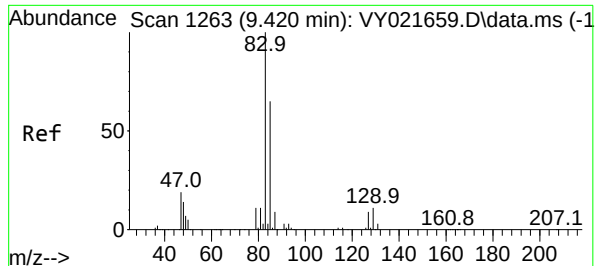
Ion Ratio Lower Upper

93 100

95 82.8 68.1 102.1

174 96.4 80.9 121.3





#47

Bromodichloromethane

Concen: 53.857 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

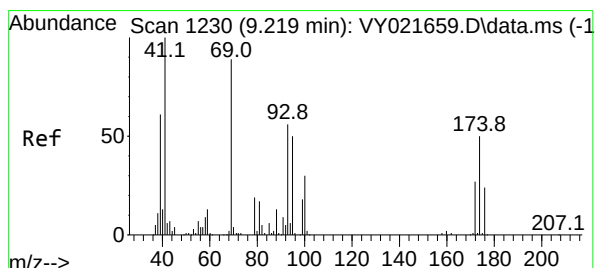
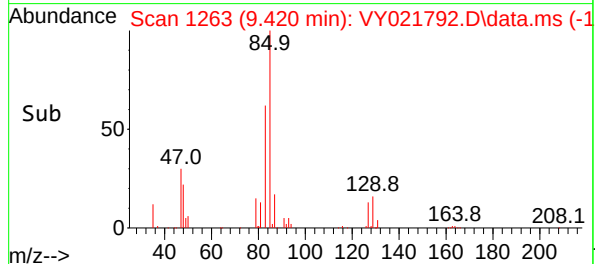
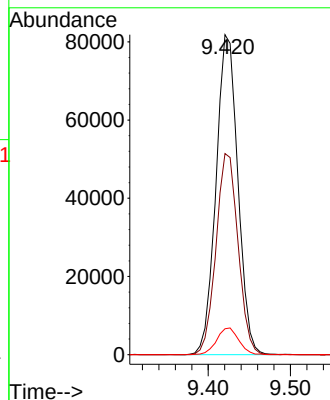
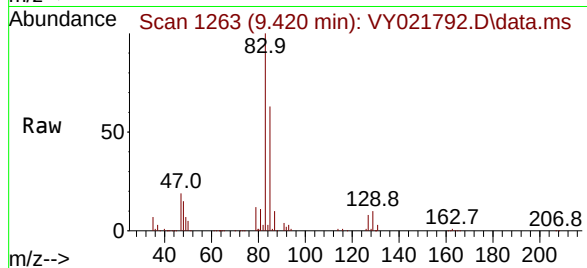
VSTDCCC050EC

Tgt Ion:	83	Resp:	151198
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.1	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#48

Methyl methacrylate

Concen: 54.919 ug/l

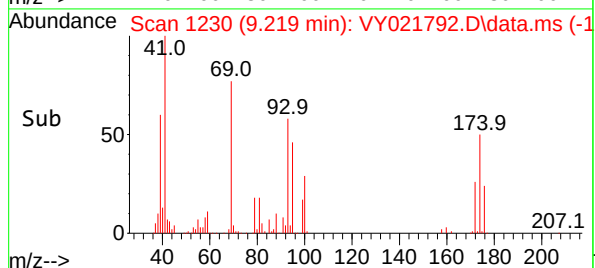
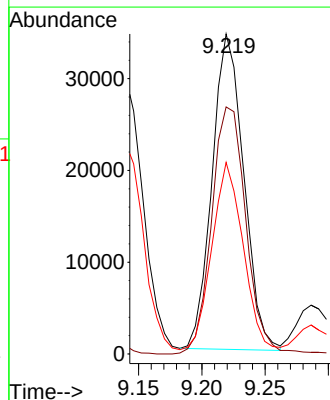
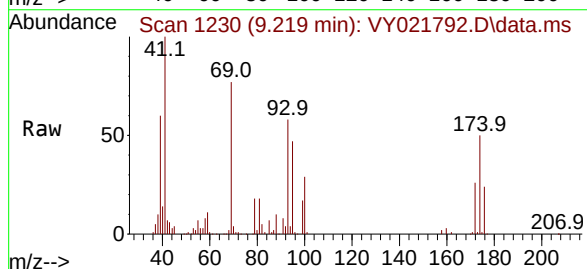
RT: 9.219 min Scan# 1230

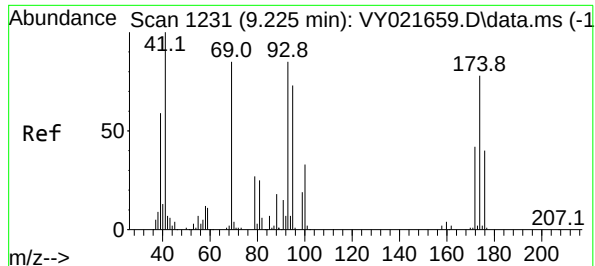
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	41	Resp:	59783
Ion	Ratio	Lower	Upper
41	100		
69	85.1	69.8	104.8
39	58.8	47.2	70.8





#49

1,4-Dioxane

Concen: 1042.700 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

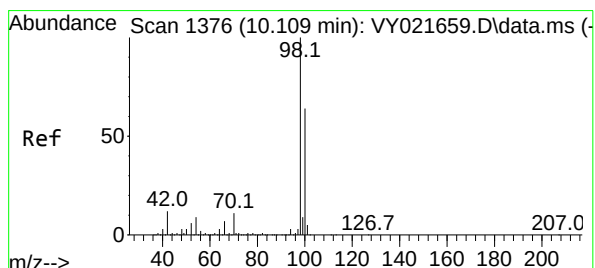
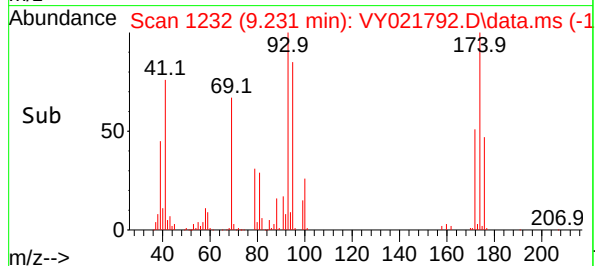
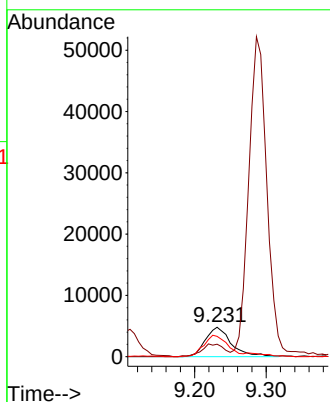
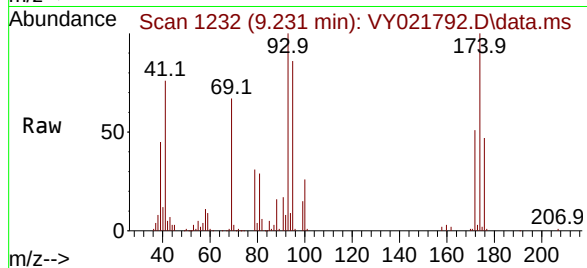
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	88	Resp:	1210
Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.8	43.2
58	67.0	59.4	89.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#50

Toluene-d8

Concen: 49.581 ug/l

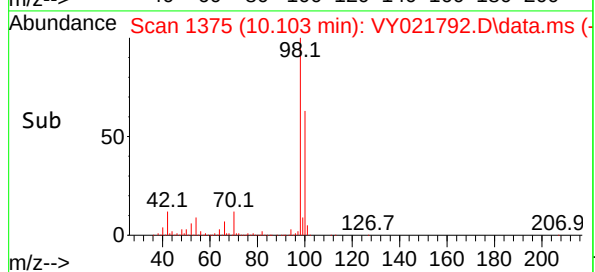
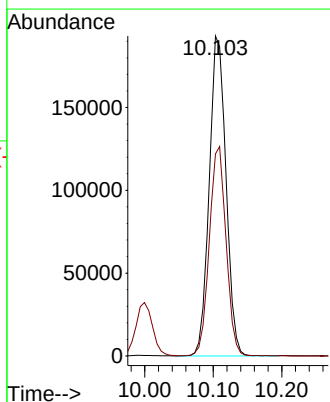
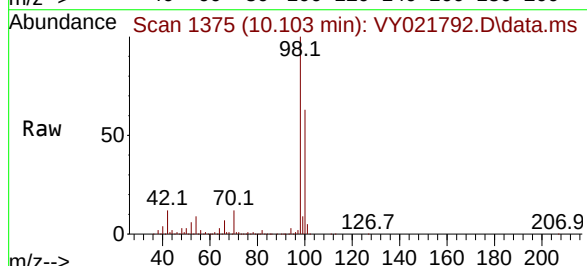
RT: 10.103 min Scan# 1375

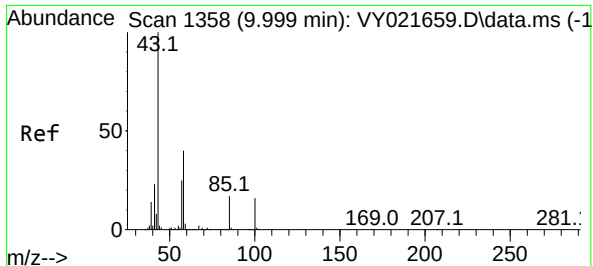
Delta R.T. -0.006 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

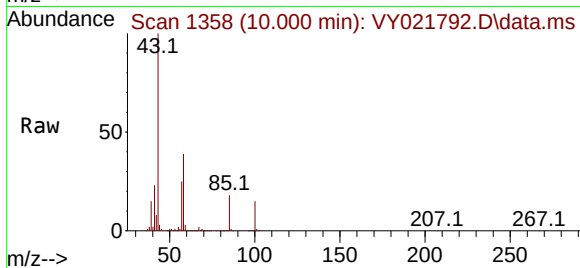
Tgt Ion:	98	Resp:	328405
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 285.663 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

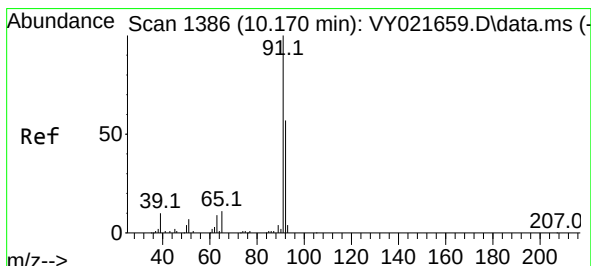
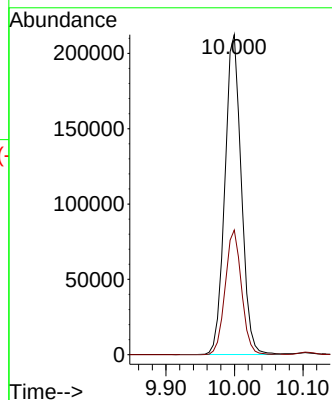
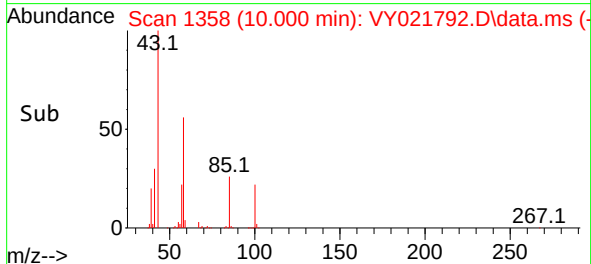
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



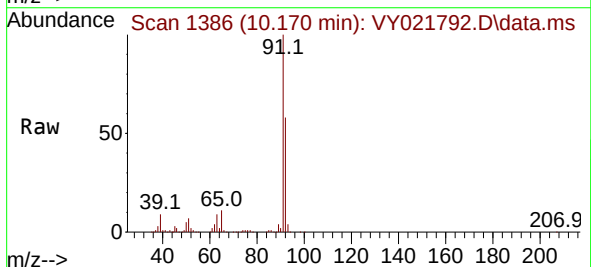
Tgt Ion: 43 Resp: 352592
Ion Ratio Lower Upper
43 100
58 38.8 31.5 47.3

Manual Integrations
APPROVED

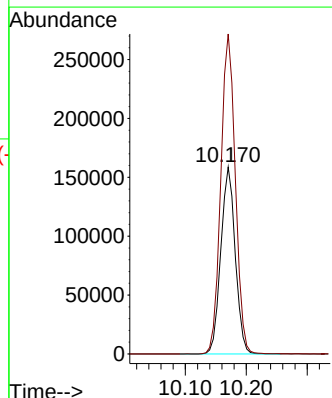
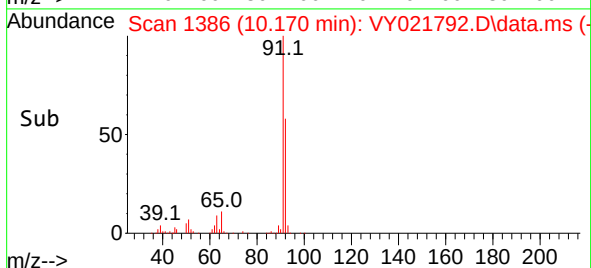
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

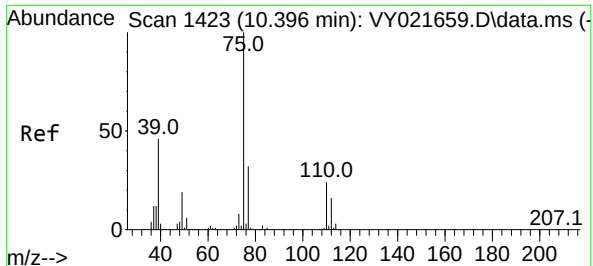


#52
Toluene
Concen: 52.527 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44



Tgt Ion: 92 Resp: 260277
Ion Ratio Lower Upper
92 100
91 173.0 138.6 207.8





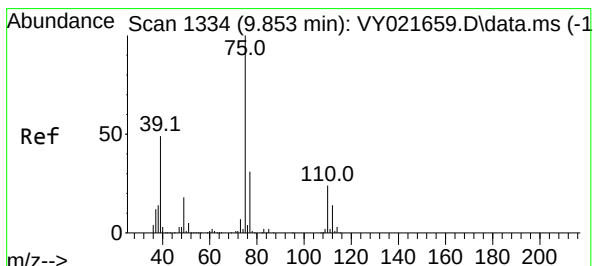
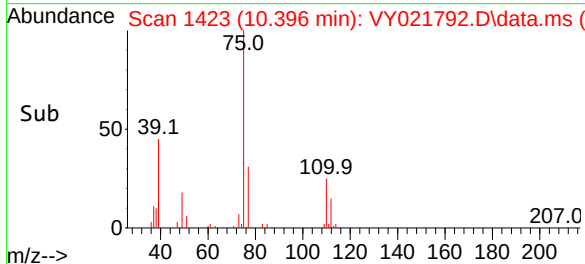
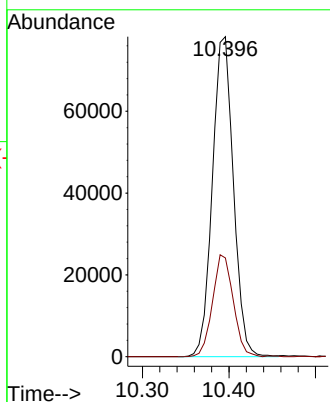
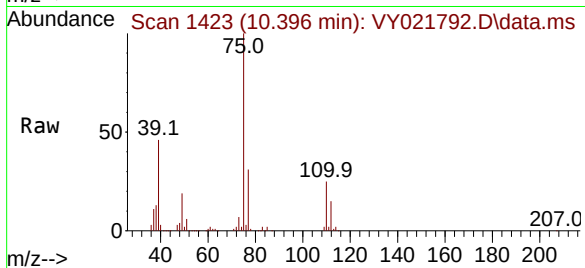
#53
t-1,3-Dichloropropene
Concen: 52.910 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 131930
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9

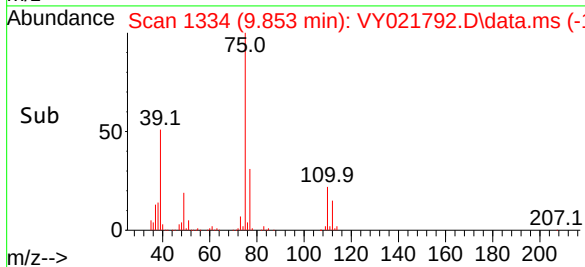
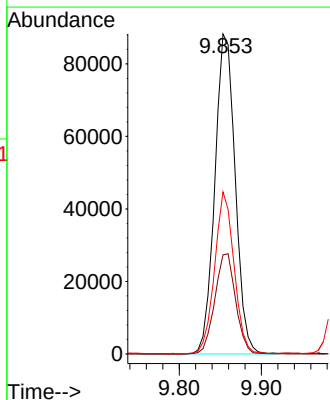
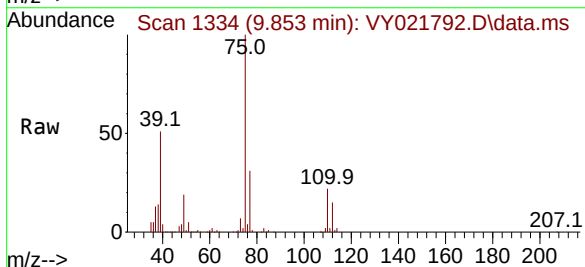
Manual Integrations
APPROVED

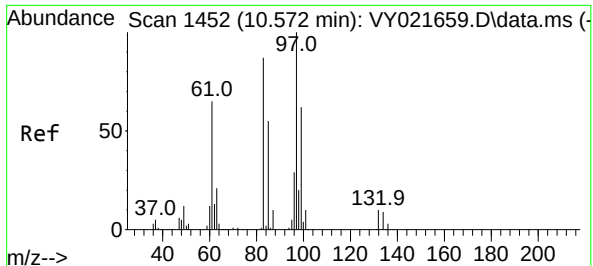
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#54
cis-1,3-Dichloropropene
Concen: 51.714 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 152131
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3
39 50.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 56.175 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 7832

Ion Ratio Lower Upper

97 100

83 82.1 69.5 104.3

85 56.9 43.9 65.9

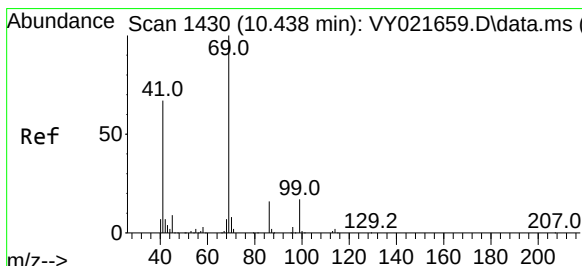
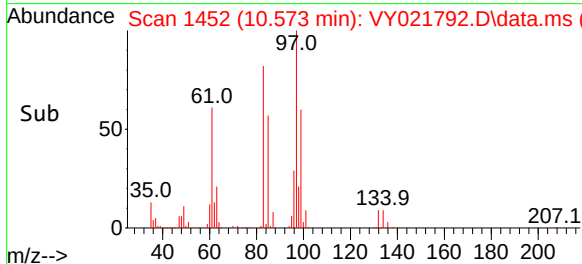
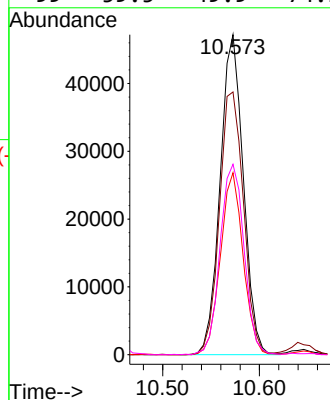
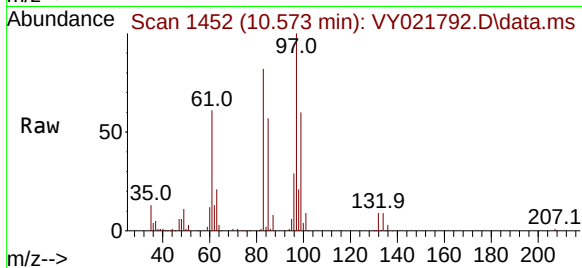
99 59.5 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#56

Ethyl methacrylate

Concen: 57.212 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

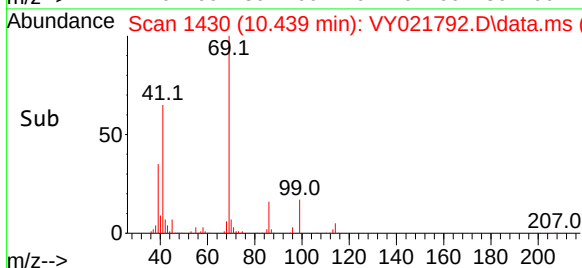
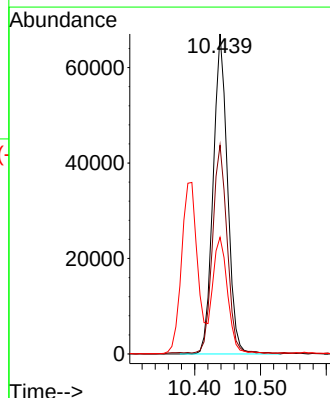
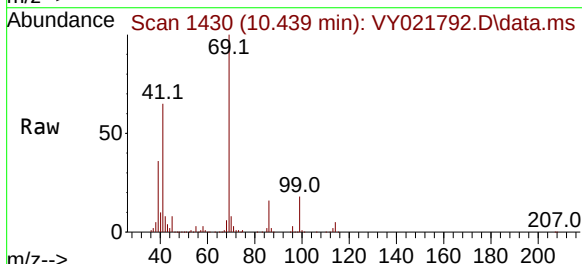
Tgt Ion: 69 Resp: 101856

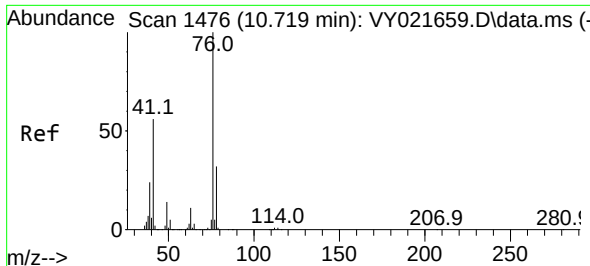
Ion Ratio Lower Upper

69 100

41 65.9 53.8 80.6

39 36.4 29.6 44.4





#57

1,3-Dichloropropane

Concen: 54.092 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 13025

Ion Ratio Lower Upper

76 100

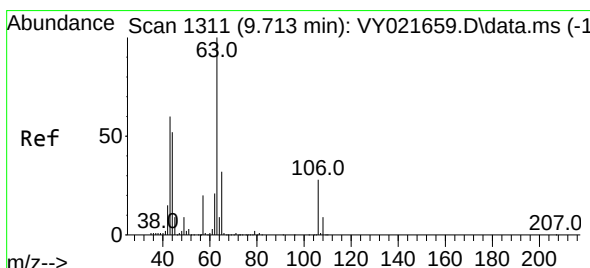
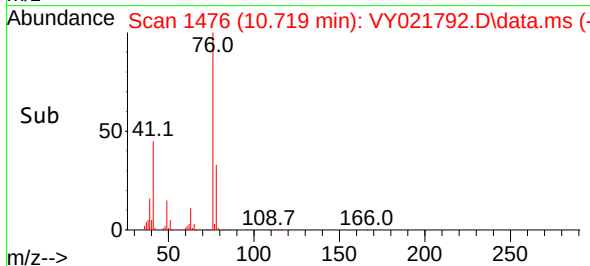
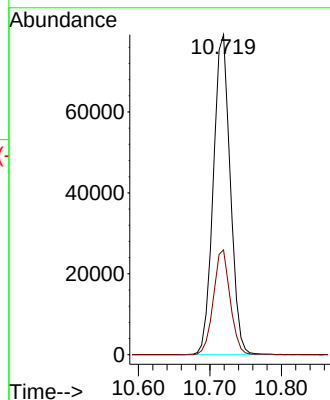
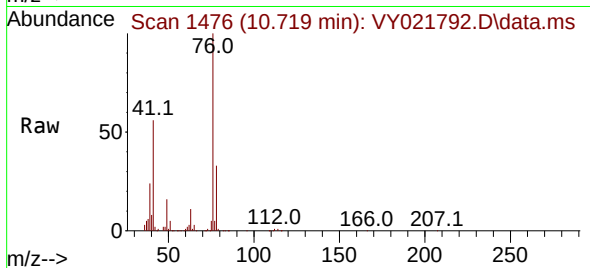
78 32.5 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#58

2-Chloroethyl Vinyl ether

Concen: 294.907 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021792.D

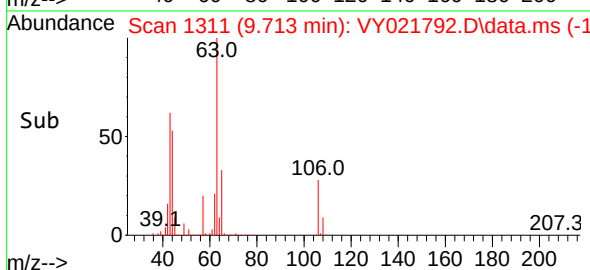
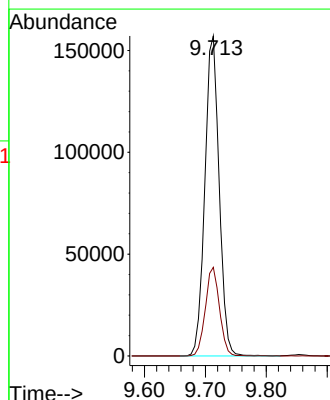
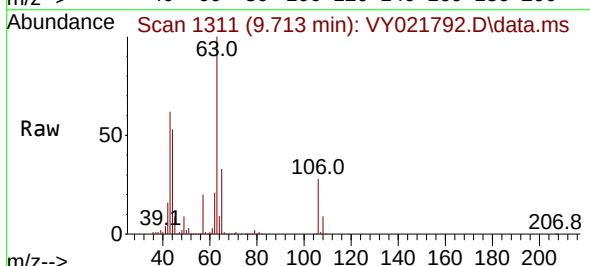
Acq: 04 Apr 2025 17:44

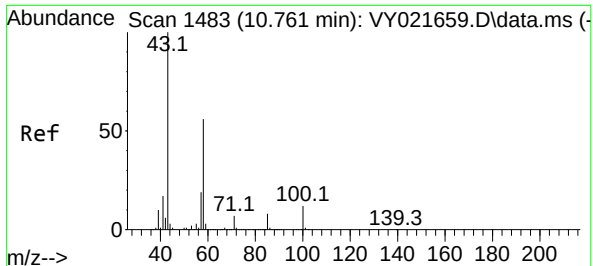
Tgt Ion: 63 Resp: 256125

Ion Ratio Lower Upper

63 100

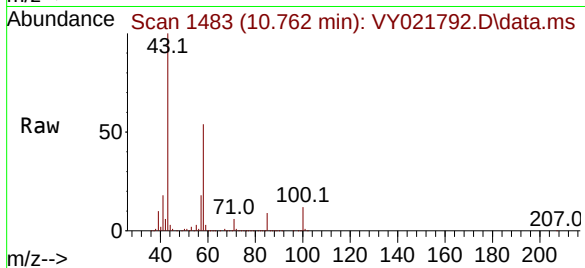
106 27.3 22.4 33.6





#59
2-Hexanone
Concen: 288.335 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

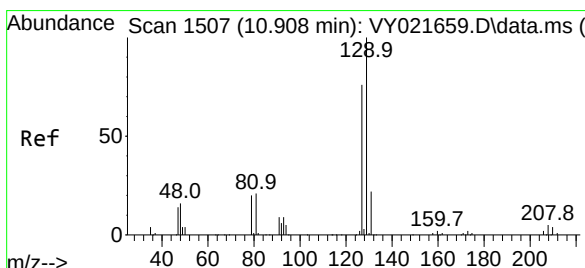
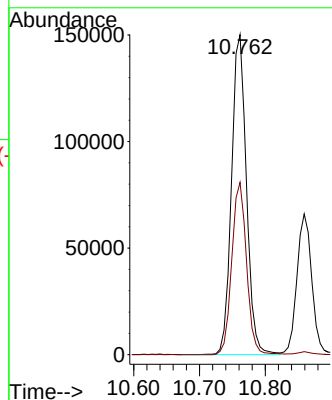
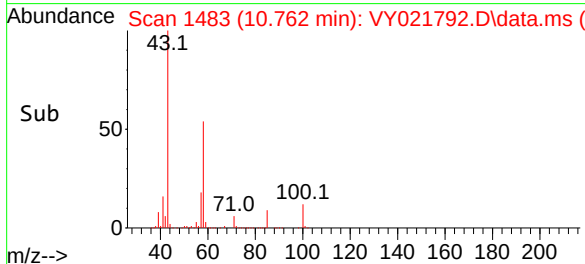
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



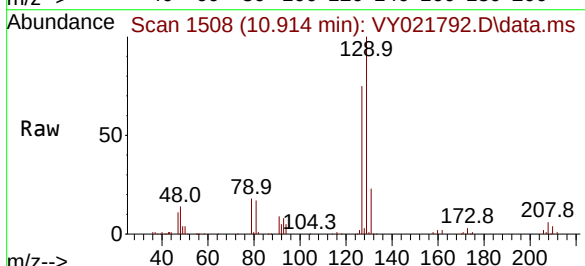
Tgt Ion: 43 Resp: 23701
Ion Ratio Lower Upper
43 100
58 53.2 27.2 81.5

Manual Integrations
APPROVED

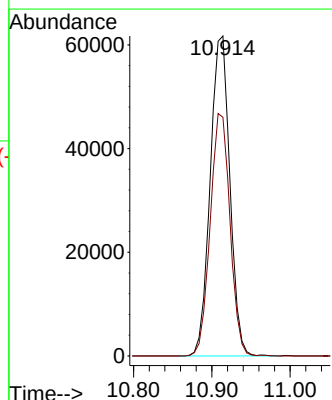
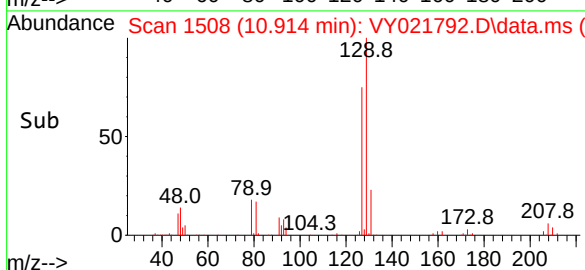
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

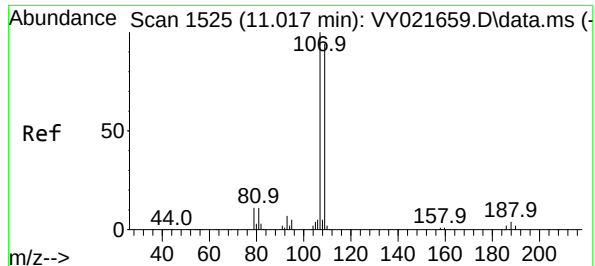


#60
Dibromochloromethane
Concen: 56.412 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44



Tgt Ion:129 Resp: 107386
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.7





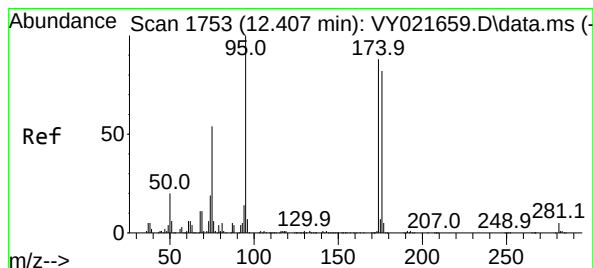
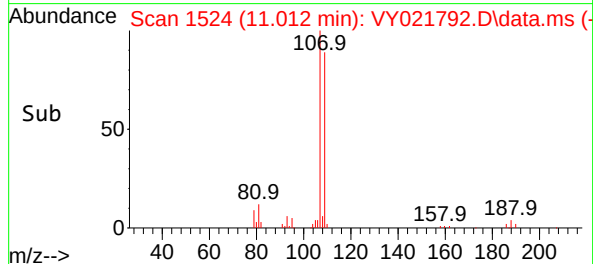
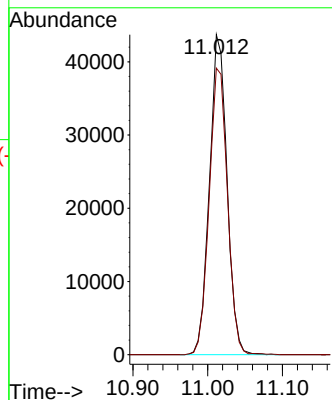
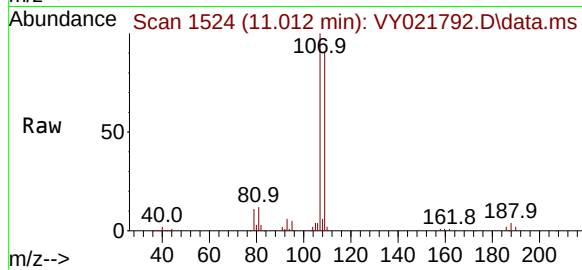
#61
1,2-Dibromoethane
Concen: 54.475 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 71249
Ion Ratio Lower Upper
107 100
109 93.4 74.4 111.6

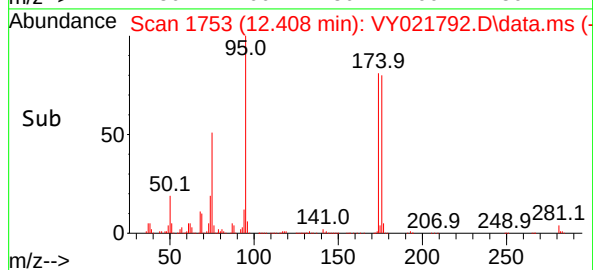
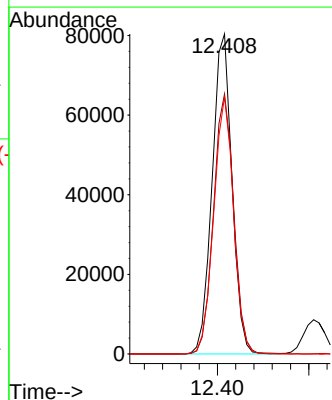
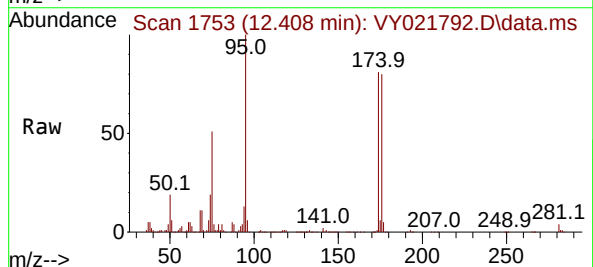
Manual Integrations
APPROVED

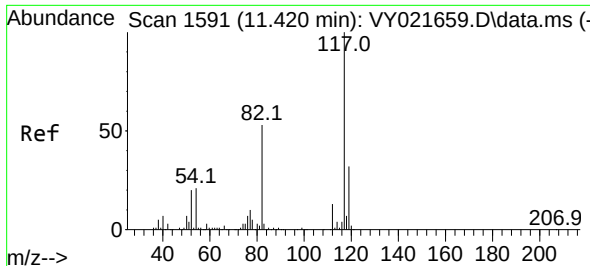
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#62
4-Bromofluorobenzene
Concen: 54.025 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

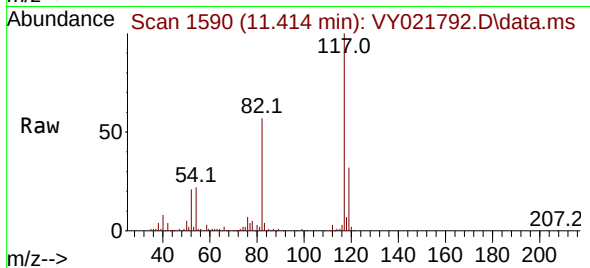
Tgt Ion: 95 Resp: 121039
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.8
176 80.3 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

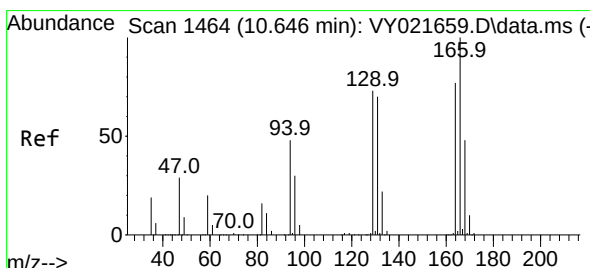
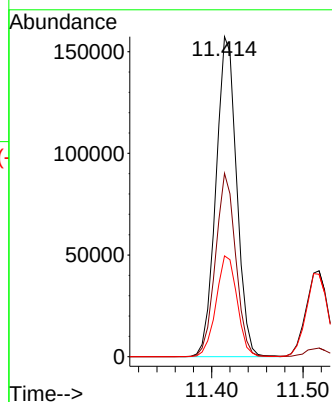
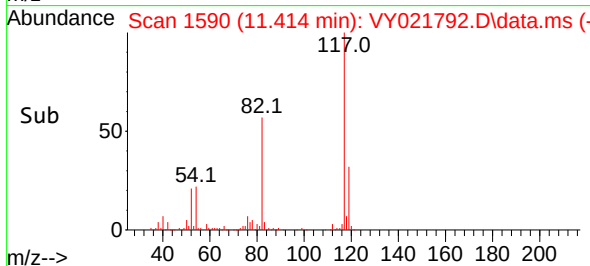
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



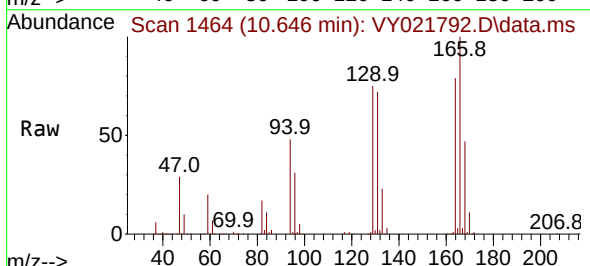
Tgt Ion:117 Resp: 24817
Ion Ratio Lower Upper
117 100
82 57.3 42.8 64.2
119 31.5 25.7 38.5

Manual Integrations
APPROVED

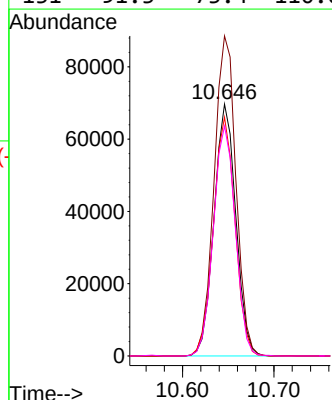
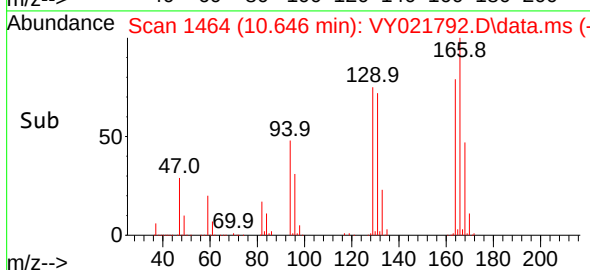
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

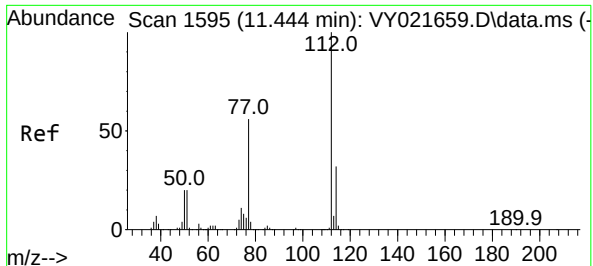


#64
Tetrachloroethene
Concen: 51.070 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44



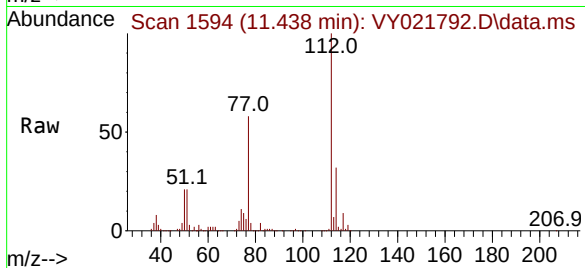
Tgt Ion:164 Resp: 115433
Ion Ratio Lower Upper
164 100
166 127.0 104.6 156.8
129 94.8 76.6 114.8
131 91.3 73.4 110.0





#65
Chlorobenzene
Concen: 50.644 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

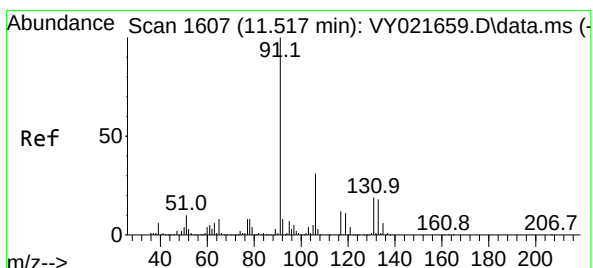
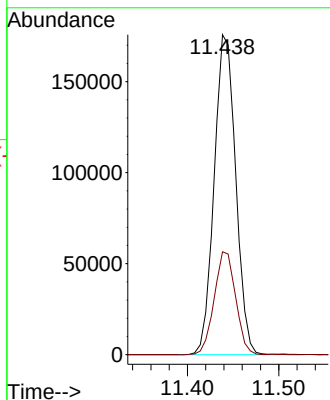
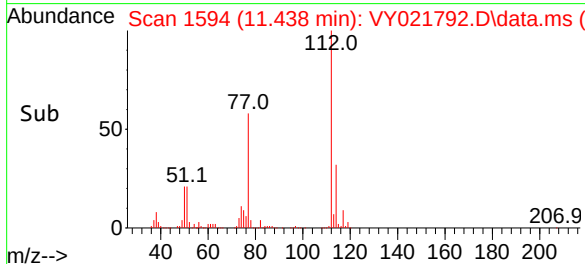
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



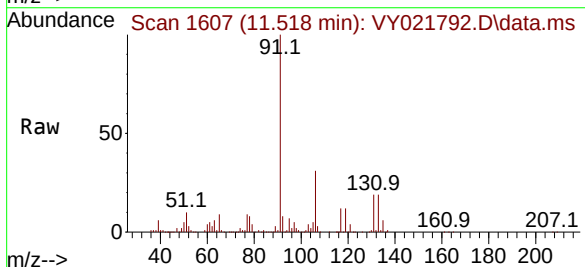
Tgt Ion:112 Resp: 28810
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

Manual Integrations
APPROVED

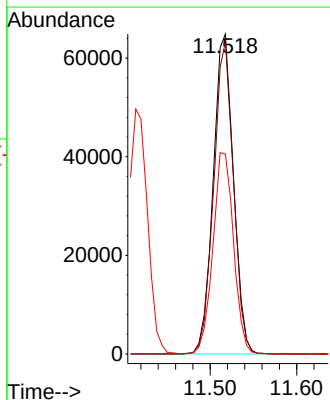
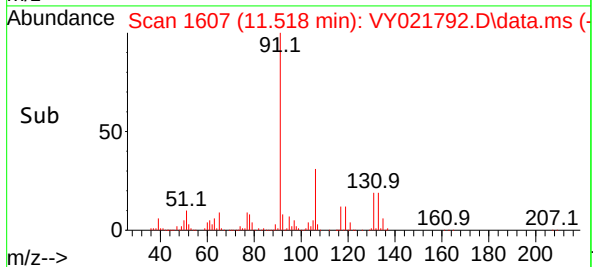
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

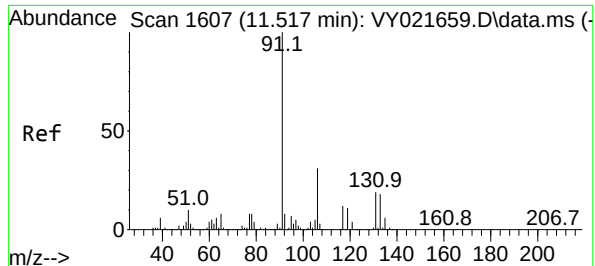


#66
1,1,1,2-Tetrachloroethane
Concen: 52.241 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44



Tgt Ion:131 Resp: 105444
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 51.739 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 50472

Ion Ratio Lower Upper

91 100

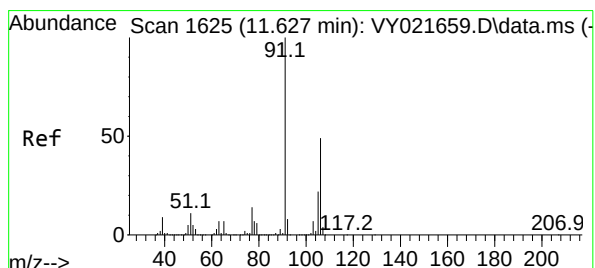
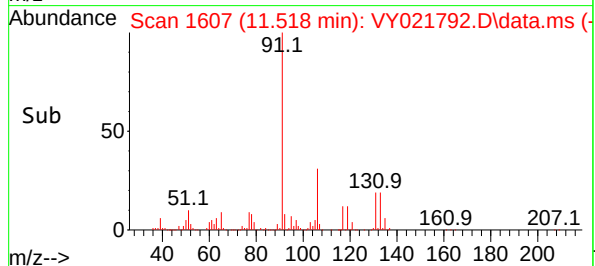
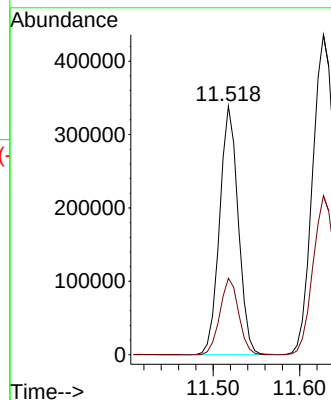
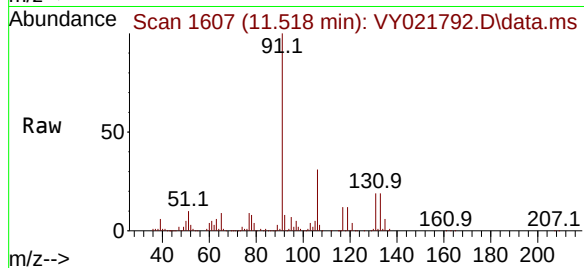
106 30.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#68

m/p-Xylenes

Concen: 103.189 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021792.D

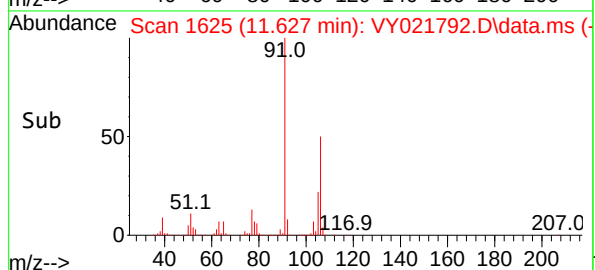
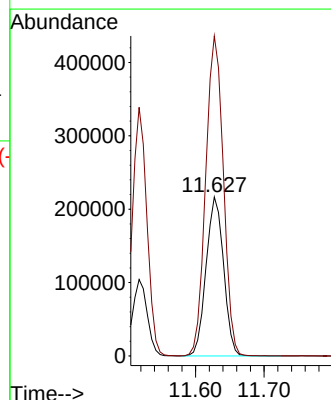
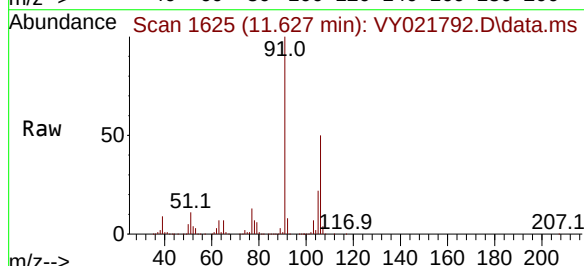
Acq: 04 Apr 2025 17:44

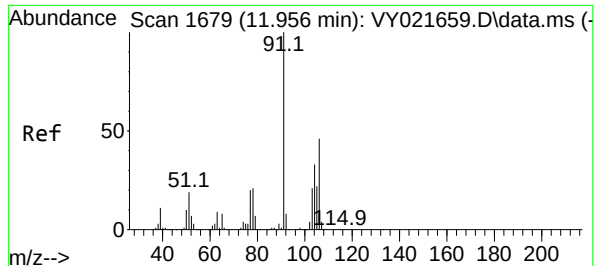
Tgt Ion:106 Resp: 385465

Ion Ratio Lower Upper

106 100

91 202.9 162.4 243.6





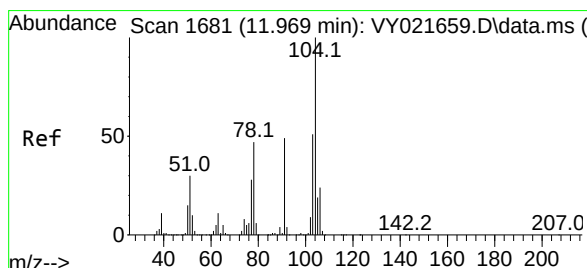
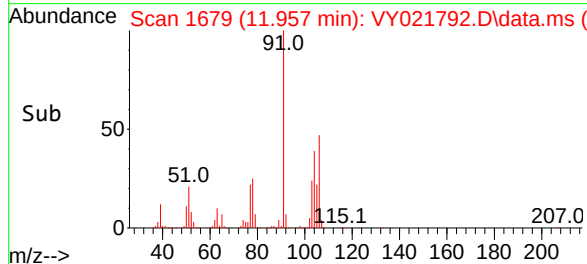
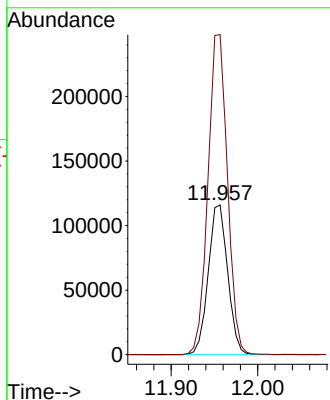
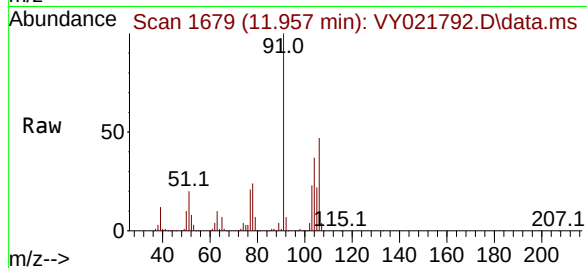
#69
o-Xylene
Concen: 52.528 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 18112
Ion Ratio Lower Upper
106 100
91 214.3 106.7 319.9

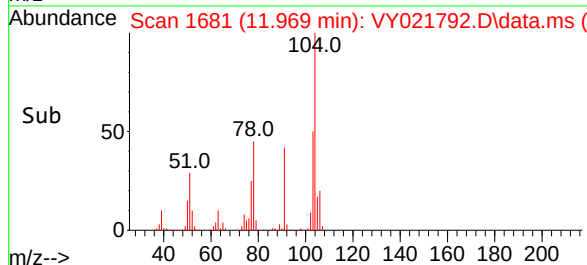
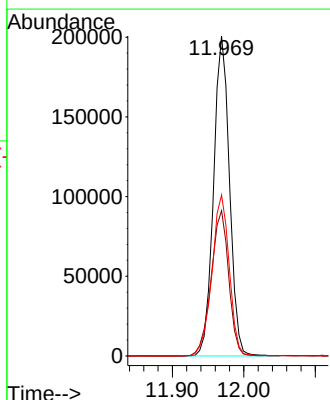
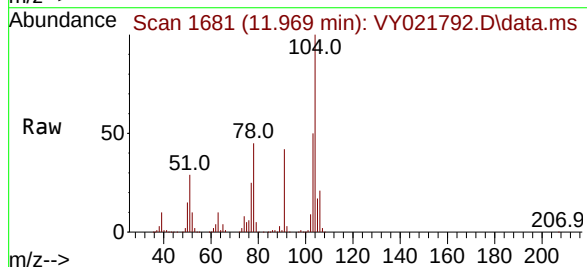
Manual Integrations
APPROVED

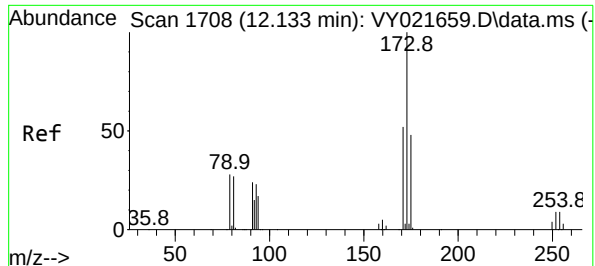
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#70
Styrene
Concen: 54.028 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

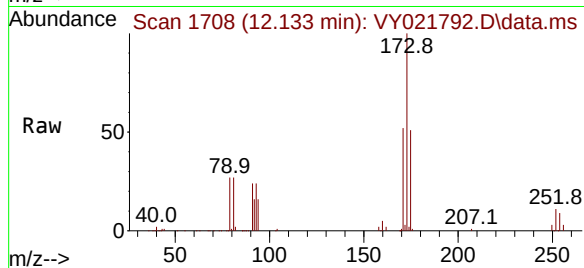
Tgt Ion:104 Resp: 310624
Ion Ratio Lower Upper
104 100
78 50.2 40.8 61.2
103 54.5 44.2 66.2





#71
Bromoform
Concen: 54.280 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

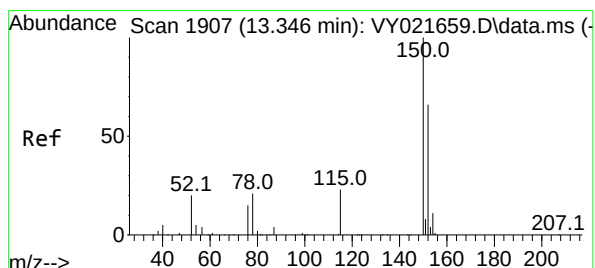
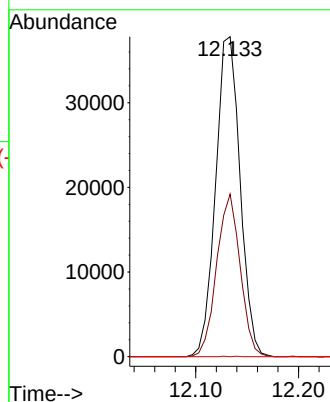
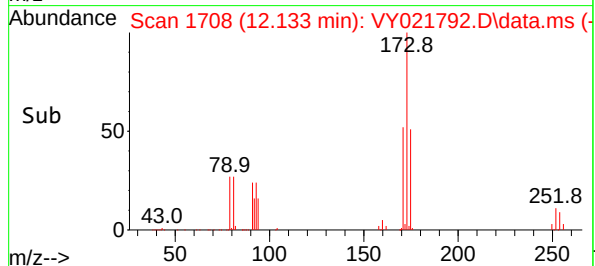
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



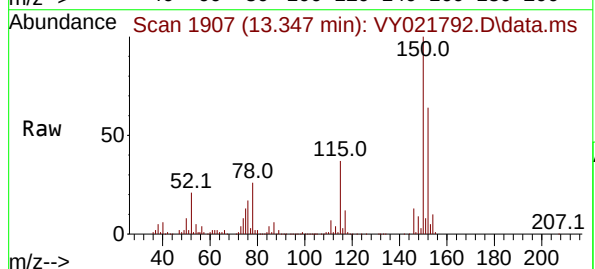
Tgt Ion:173 Resp: 62495
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

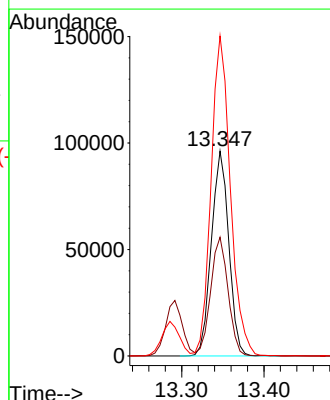
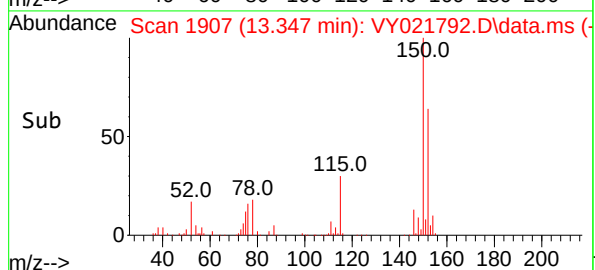
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

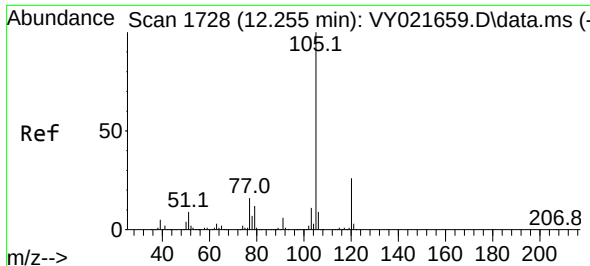


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44



Tgt Ion:152 Resp: 141740
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 173.1 0.0 348.4





#73

Isopropylbenzene

Concen: 46.563 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 490199

Ion Ratio Lower Upper

105 100

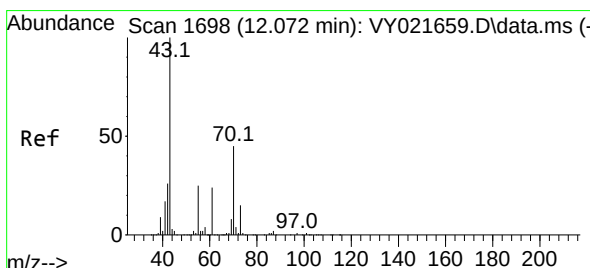
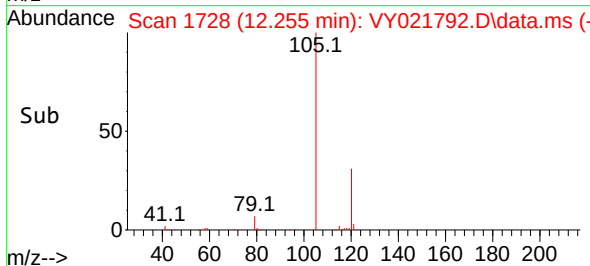
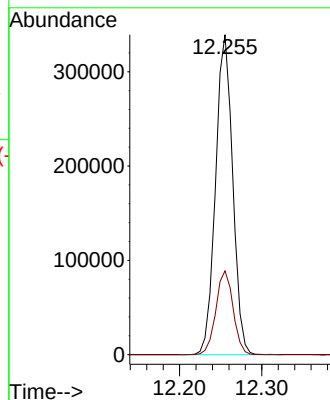
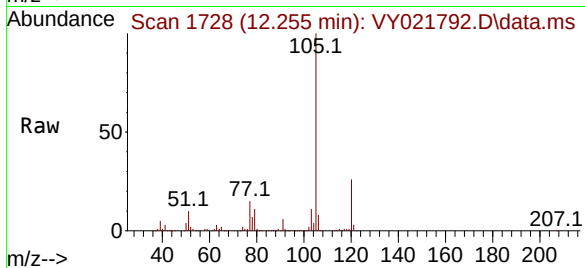
120 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#74

N-ethyl acetate

Concen: 44.542 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 110051

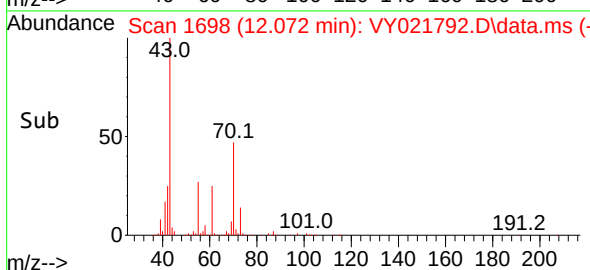
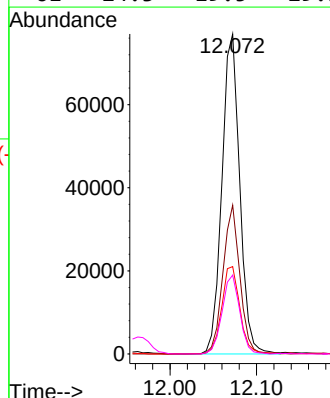
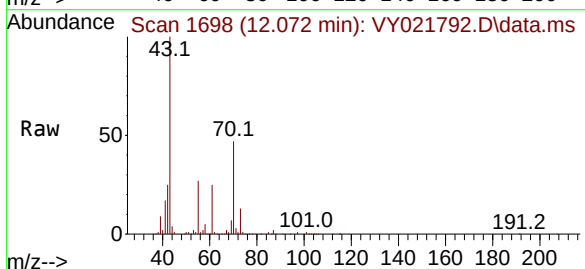
Ion Ratio Lower Upper

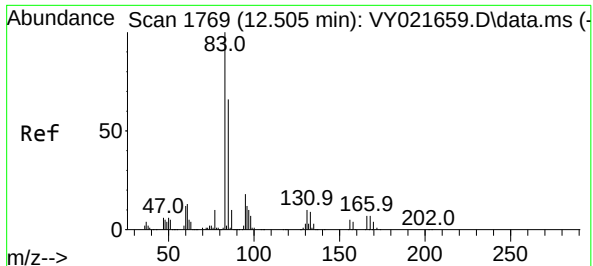
43 100

70 44.1 34.7 52.1

55 28.0 21.2 31.8

61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.870 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

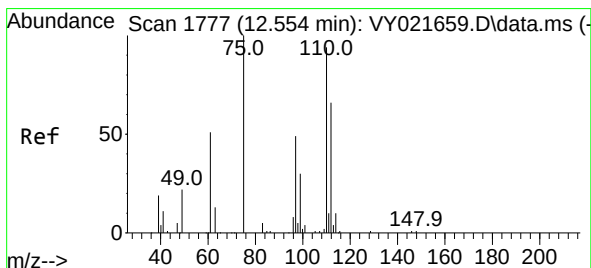
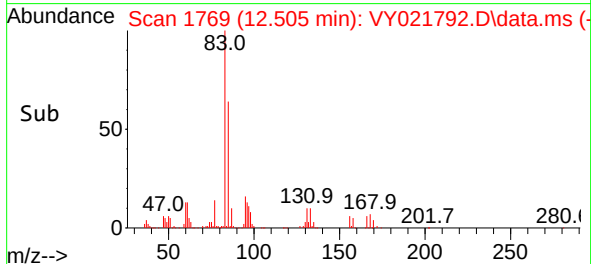
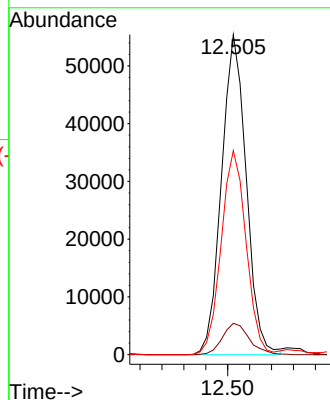
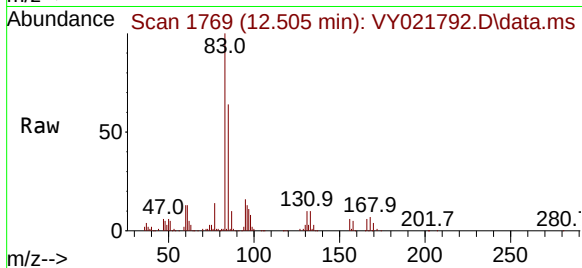
Tgt Ion:	83	Resp:	86820
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	64.2	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#76

1,2,3-Trichloropropane

Concen: 46.487 ug/l m

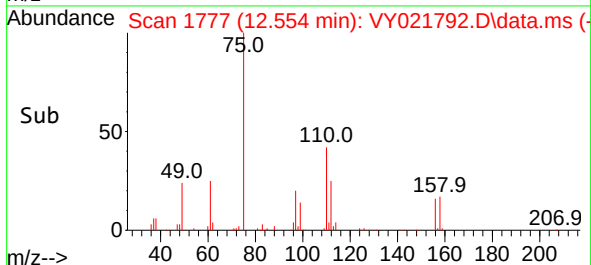
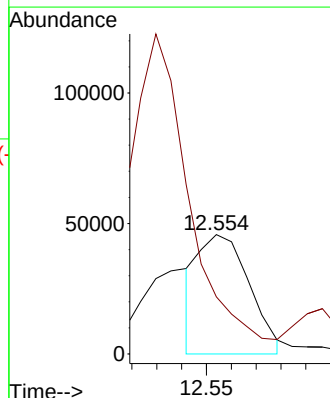
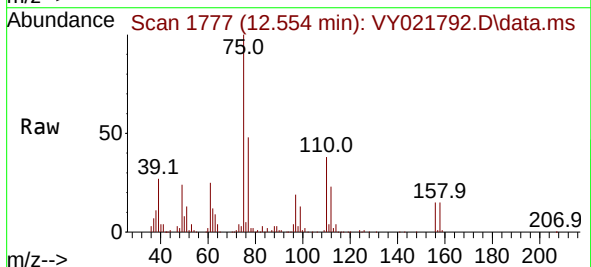
RT: 12.554 min Scan# 1777

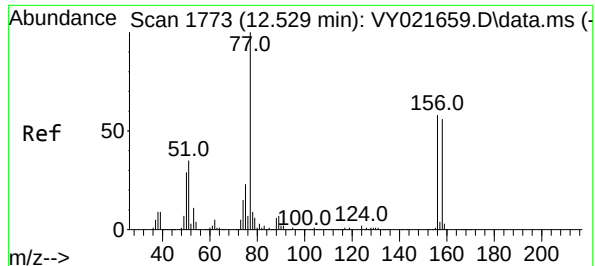
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	75	Resp:	65314
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.591 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

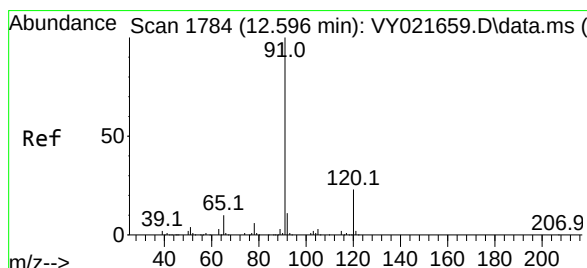
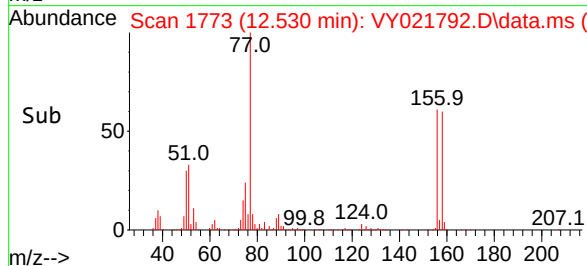
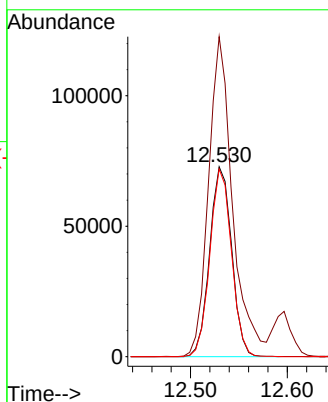
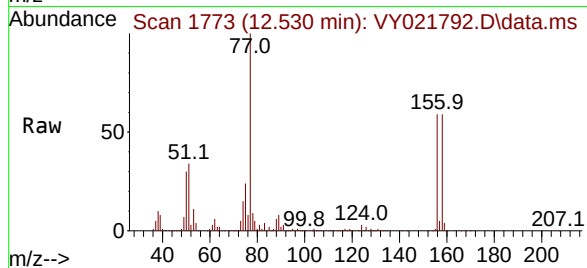
VSTDCCC050EC

Tgt Ion:	156	Resp:	115240
Ion Ratio	Lower	Upper	
156	100		
77	183.6	92.8	278.3
158	97.1	48.5	145.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#78

n-propylbenzene

Concen: 47.555 ug/l

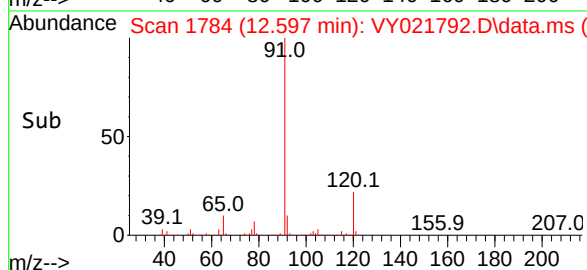
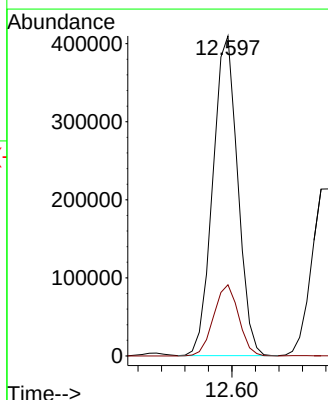
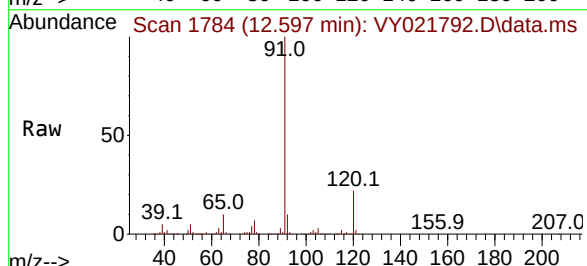
RT: 12.597 min Scan# 1784

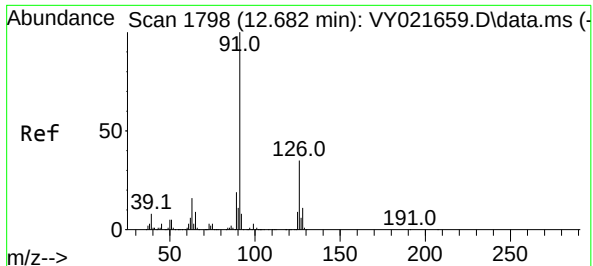
Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:	91	Resp:	601889
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 45.910 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 33749

Ion Ratio Lower Upper

91 100

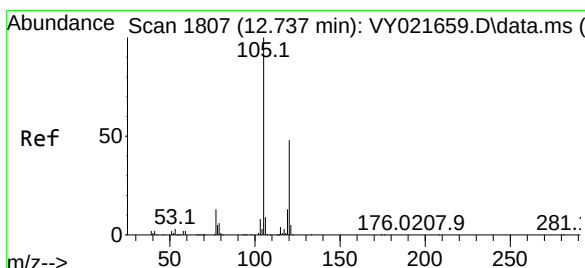
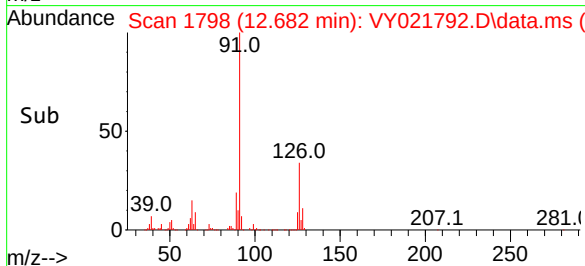
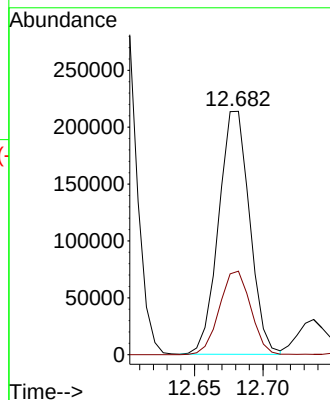
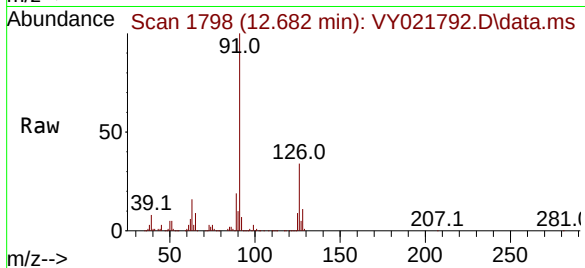
126 34.7 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#80

1,3,5-Trimethylbenzene

Concen: 47.086 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021792.D

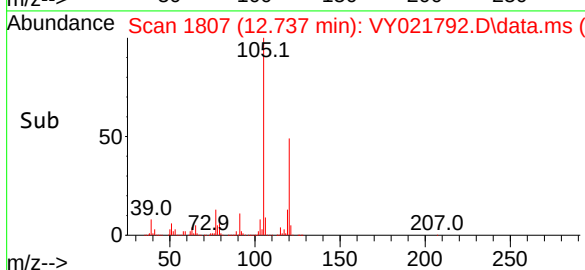
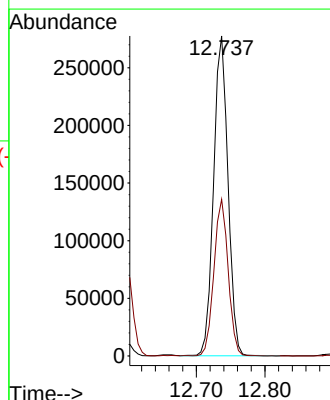
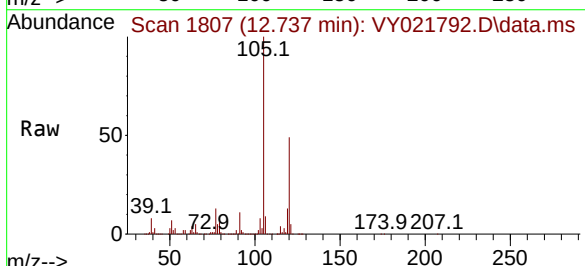
Acq: 04 Apr 2025 17:44

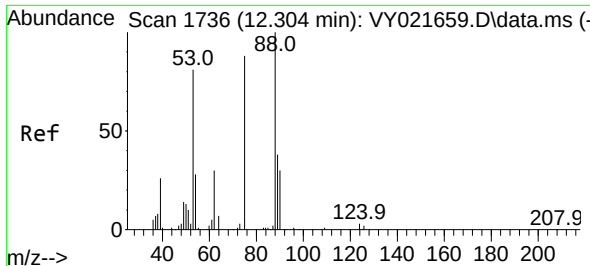
Tgt Ion:105 Resp: 405133

Ion Ratio Lower Upper

105 100

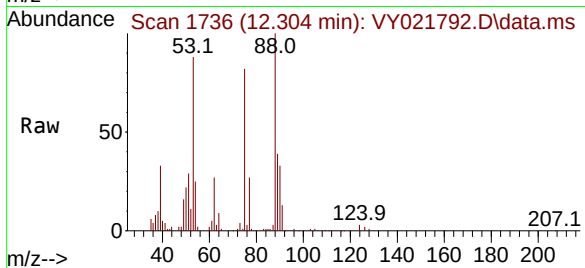
120 48.5 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 43.020 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

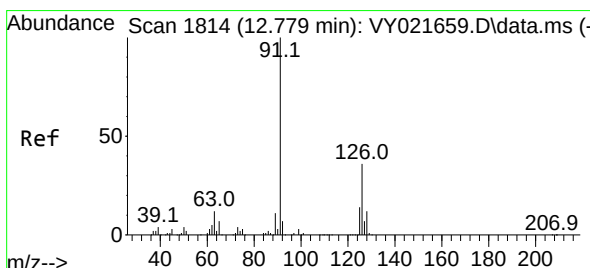
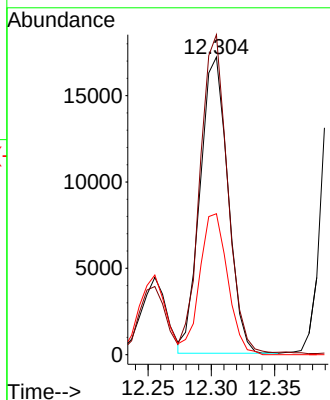
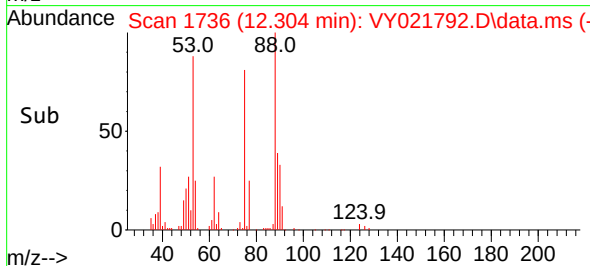
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 2623
Ion Ratio Lower Upper
75 100
53 107.2 76.1 114.1
89 48.1 36.2 54.4

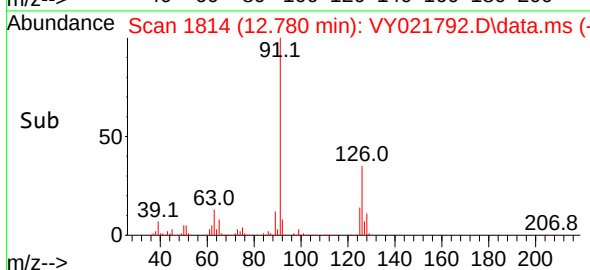
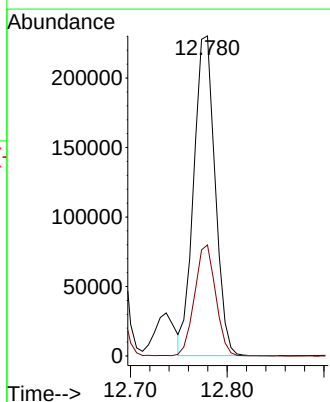
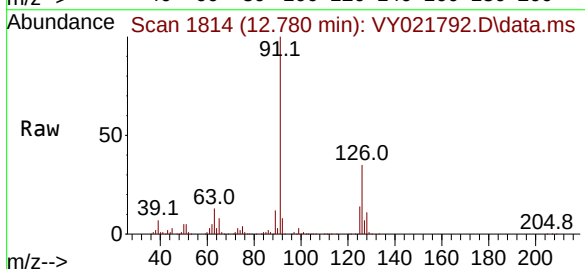
Manual Integrations
APPROVED

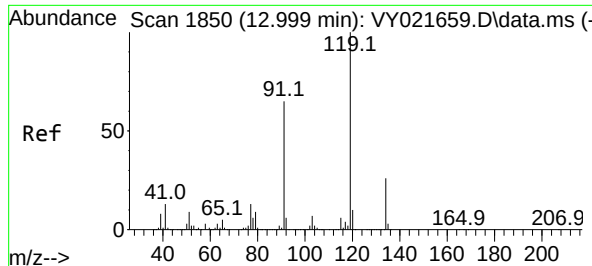
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#82
4-Chlorotoluene
Concen: 46.082 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 353167
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9





#83

tert-Butylbenzene

Concen: 48.092 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 368560

Ion Ratio Lower Upper

119 100

91 65.1 32.6 97.7

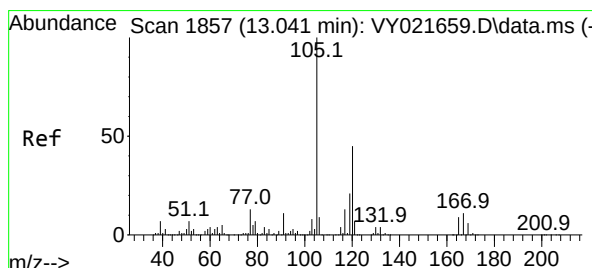
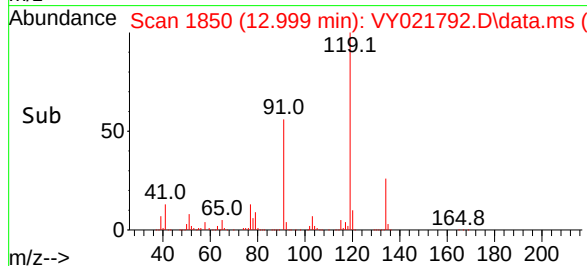
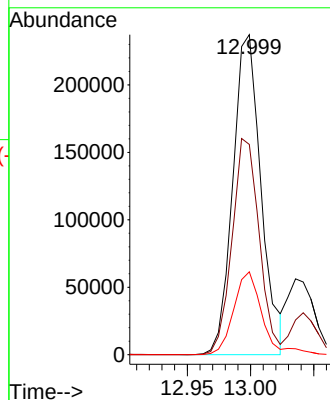
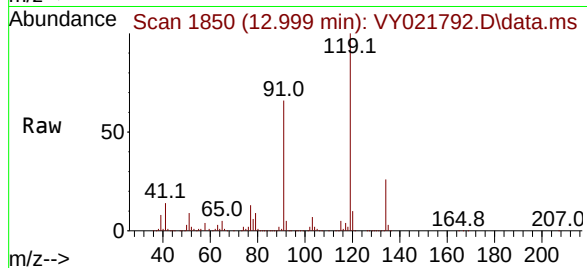
134 26.2 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#84

1,2,4-Trimethylbenzene

Concen: 47.974 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021792.D

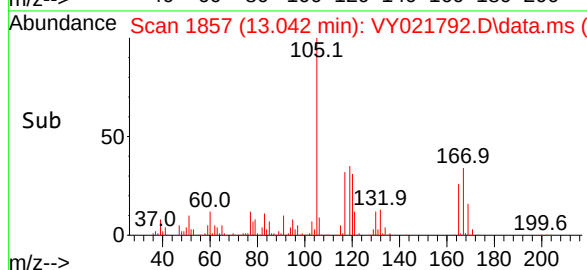
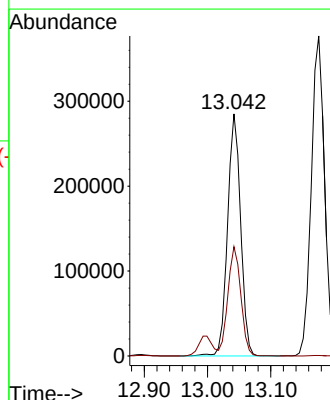
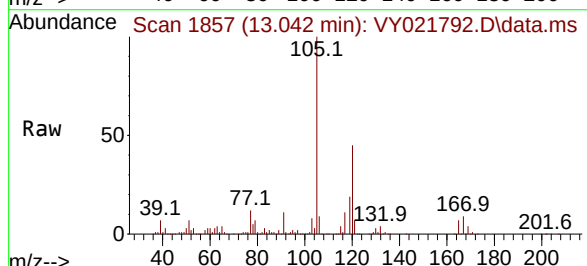
Acq: 04 Apr 2025 17:44

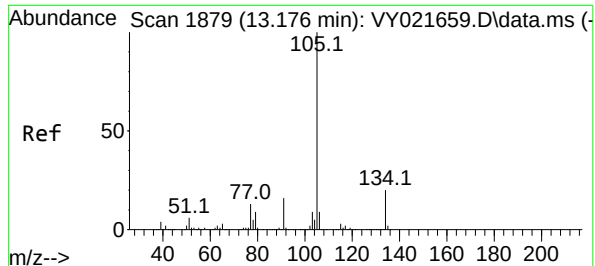
Tgt Ion:105 Resp: 407964

Ion Ratio Lower Upper

105 100

120 44.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 48.717 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 545612

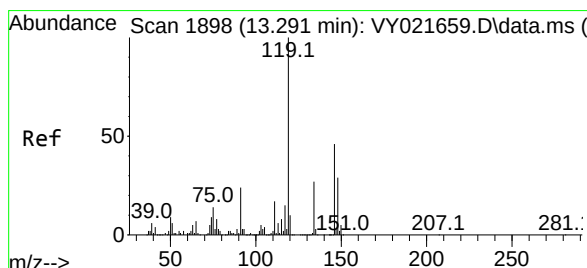
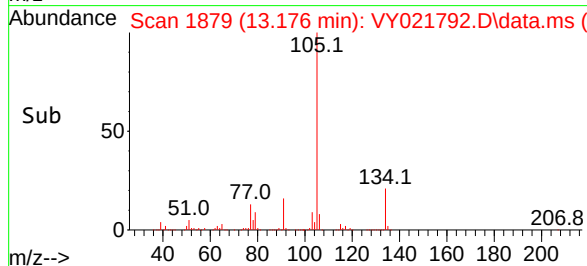
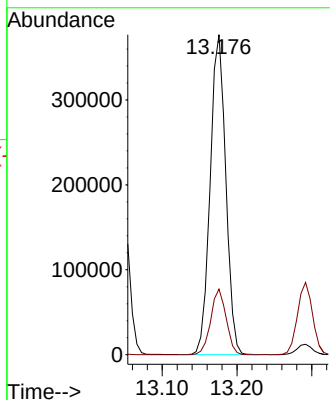
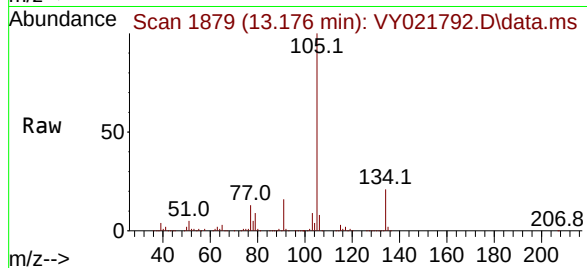
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#86

p-Isopropyltoluene

Concen: 48.991 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

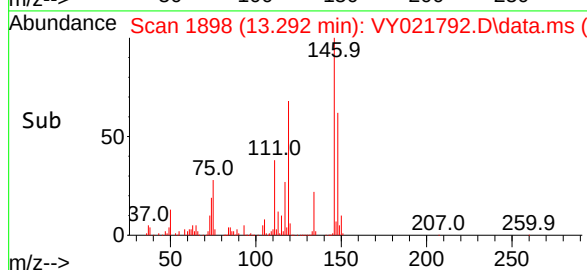
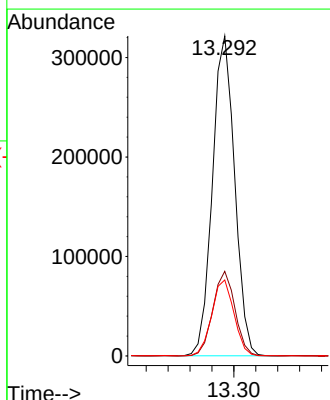
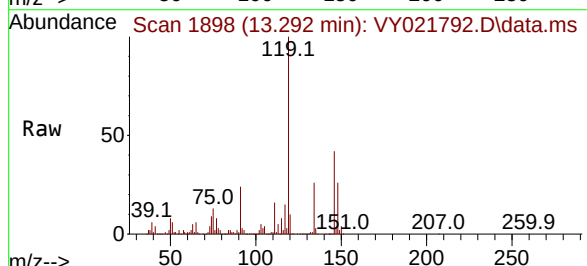
Tgt Ion:119 Resp: 453488

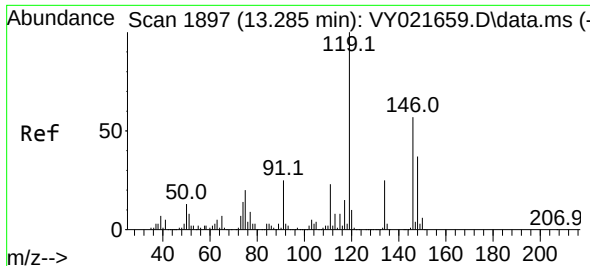
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 46.907 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 23359

Ion Ratio Lower Upper

146 100

111 39.7 20.0 60.0

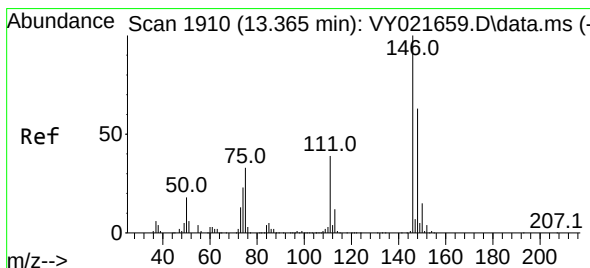
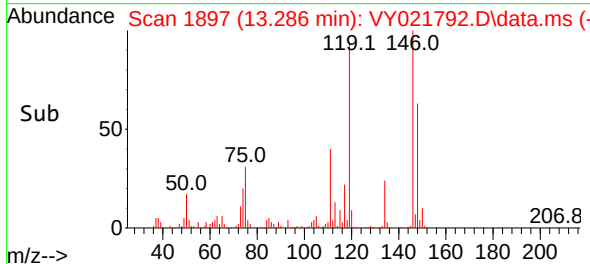
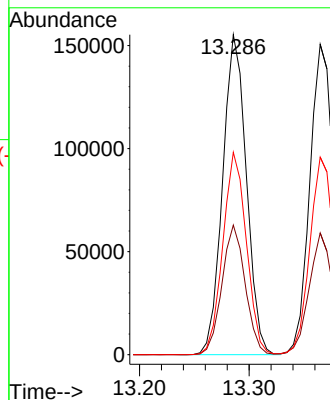
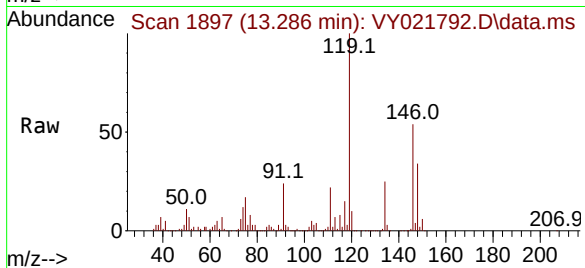
148 62.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#88

1,4-Dichlorobenzene

Concen: 46.644 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

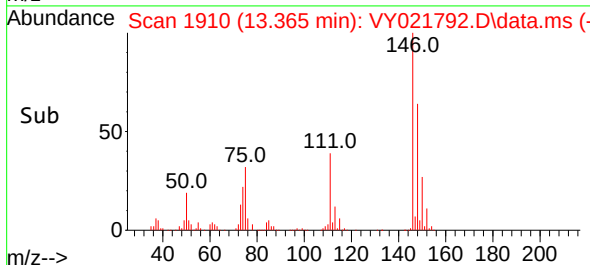
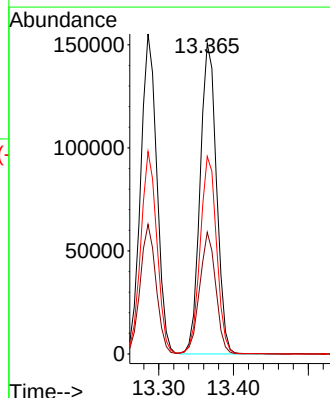
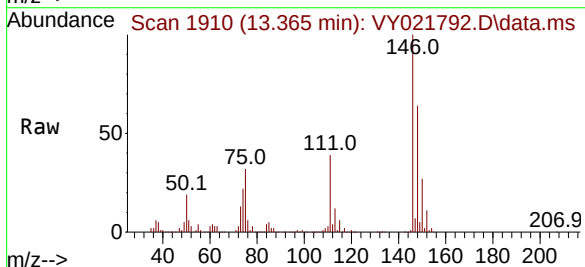
Tgt Ion:146 Resp: 229501

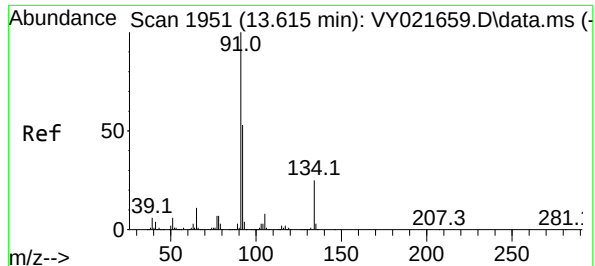
Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 49.033 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

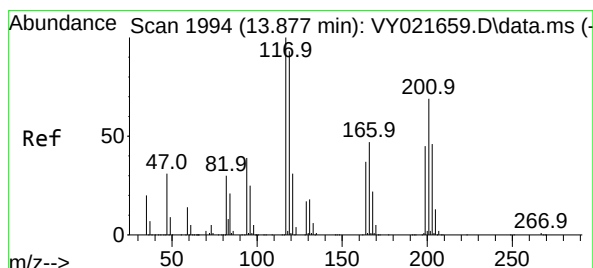
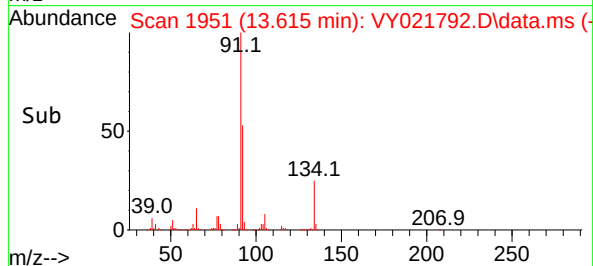
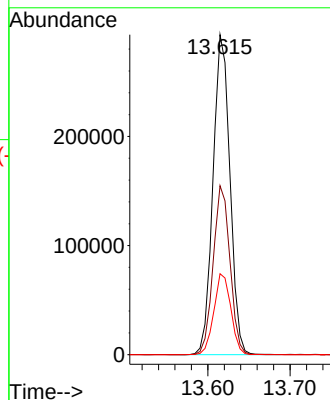
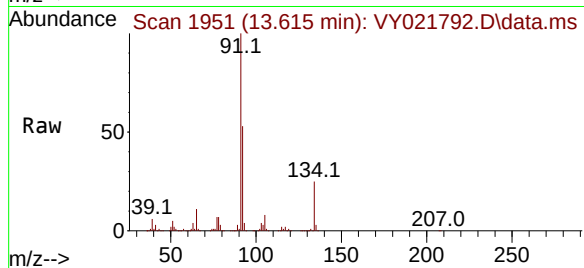
Tgt Ion: 91 Resp: 419749

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.4	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025



#90

Hexachloroethane

Concen: 47.153 ug/l

RT: 13.877 min Scan# 1994

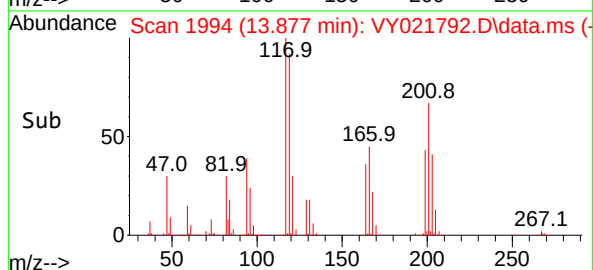
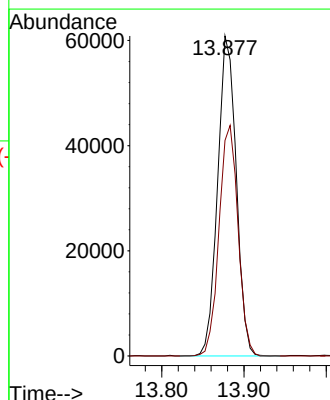
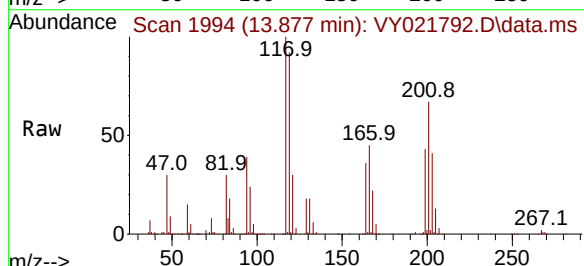
Delta R.T. 0.000 min

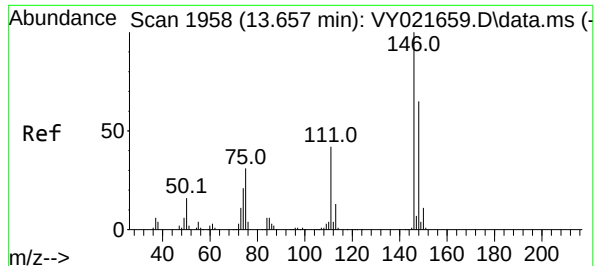
Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion:117 Resp: 95647

Ion	Ratio	Lower	Upper
117	100		
201	73.6	37.4	112.1





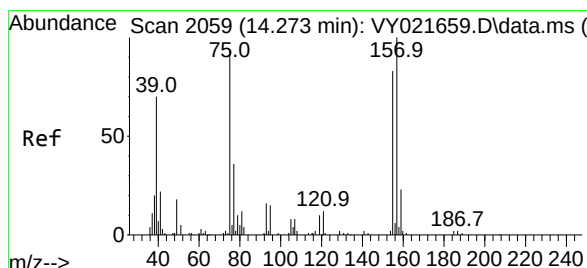
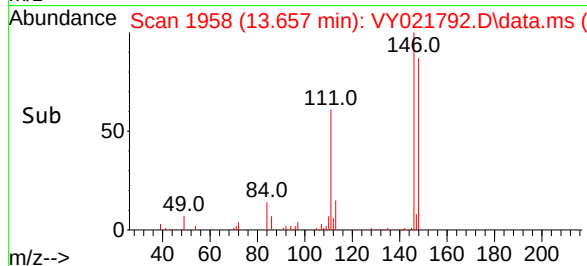
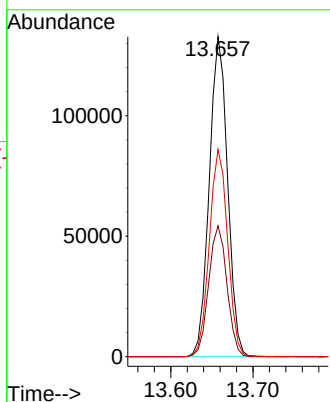
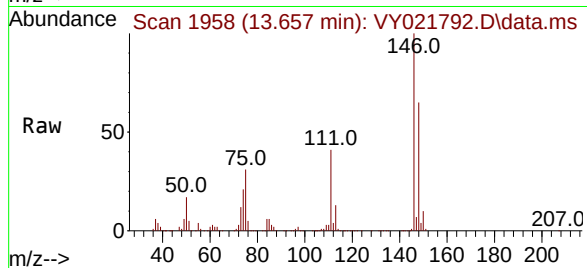
#91
1,2-Dichlorobenzene
Concen: 47.349 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 20526
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 65.0 32.3 96.9

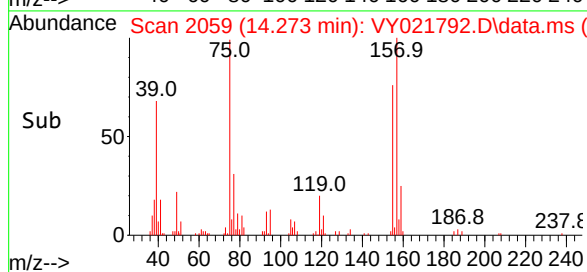
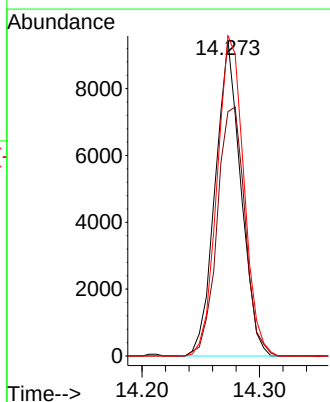
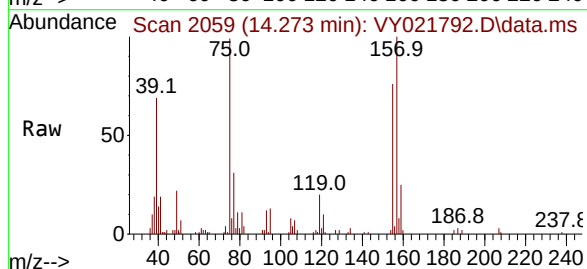
Manual Integrations
APPROVED

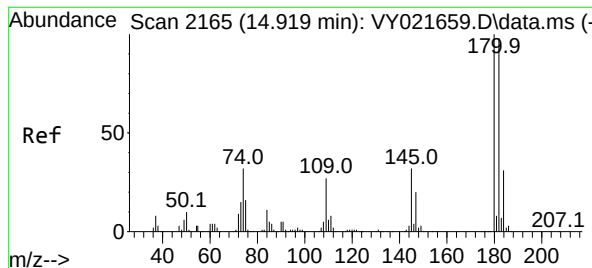
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.715 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 14291
Ion Ratio Lower Upper
75 100
155 85.4 43.0 128.8
157 105.9 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 50.055 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 11767

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.6

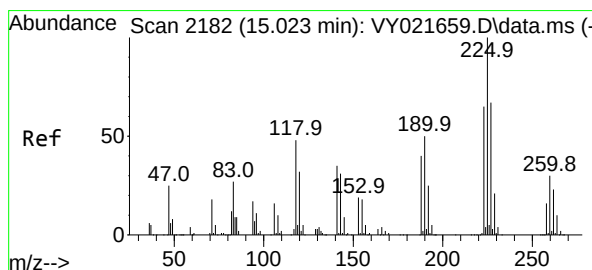
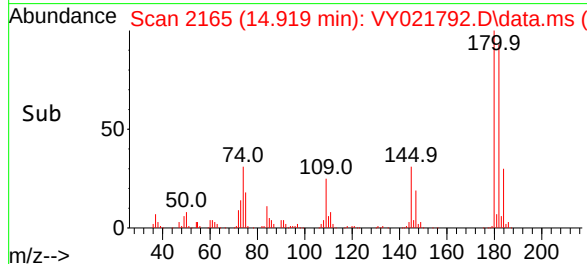
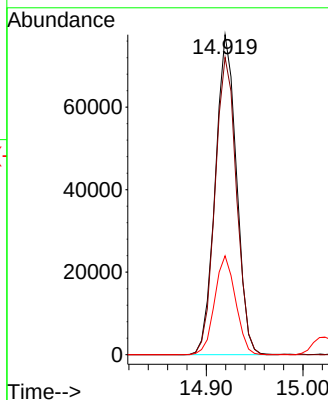
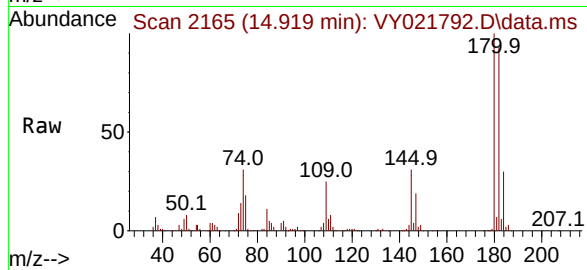
145 30.4 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#94

Hexachlorobutadiene

Concen: 50.768 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

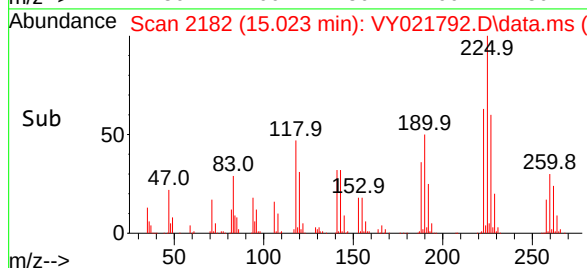
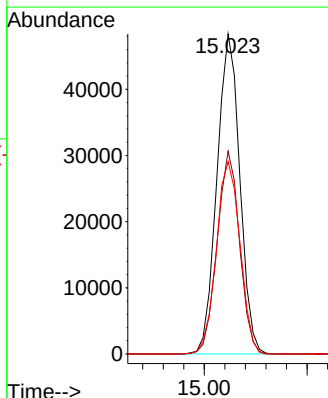
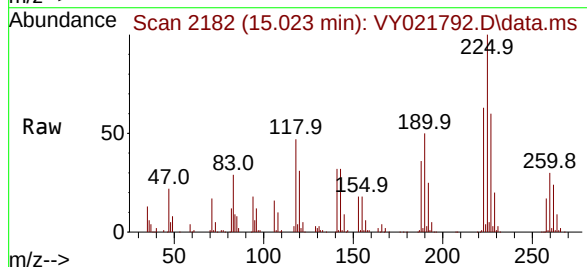
Tgt Ion:225 Resp: 74539

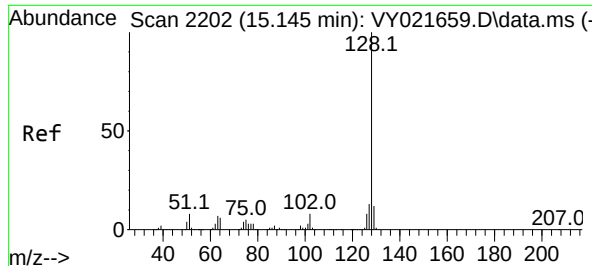
Ion Ratio Lower Upper

225 100

223 62.0 31.9 95.7

227 62.2 32.4 97.0





#95

Naphthalene

Concen: 54.294 ug/l

RT: 15.145 min Scan# 21156

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 21156

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

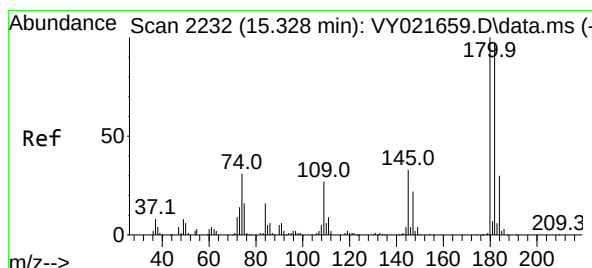
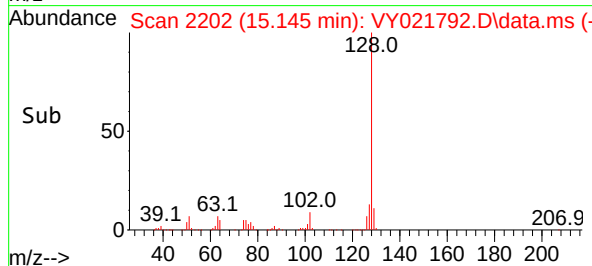
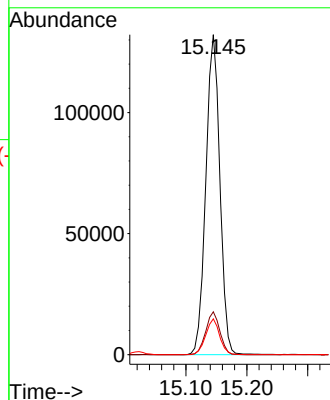
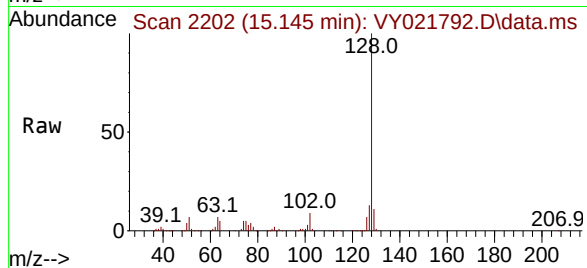
129 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.591 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

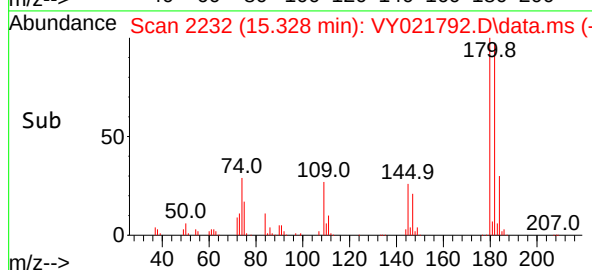
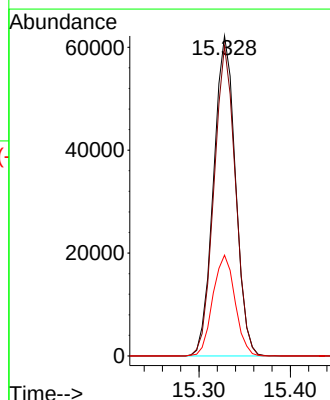
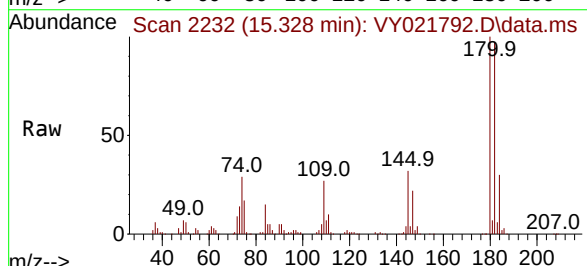
Tgt Ion:180 Resp: 103426

Ion Ratio Lower Upper

180 100

182 94.9 47.5 142.5

145 31.9 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	73	0.00
2 T	Dichlorodifluoromethane	0.518	0.359	30.7#	52	0.00
3 P	Chloromethane	0.729	0.553	24.1	58	0.00
4 C	Vinyl Chloride	0.824	0.666	19.2#	61	0.00
5 T	Bromomethane	0.562	0.462	17.8	66	0.00
6 T	Chloroethane	0.539	0.475	11.9	68	0.00
7 T	Trichlorofluoromethane	1.056	0.967	8.4	70	0.00
8 T	Diethyl Ether	0.287	0.272	5.2	72	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.556	0.2	76	0.00
10 T	Methyl Iodide	0.611	0.561	8.2	63	0.00
11 T	Tert butyl alcohol	0.035	0.034	2.9	74	0.00
12 CM	1,1-Dichloroethene	0.524	0.478	8.8#	68	0.00
13 T	Acrolein	0.064	0.002	96.9#	2#	0.00
14 T	Allyl chloride	0.836	0.793	5.1	69	0.00
15 T	Acrylonitrile	0.120	0.128	-6.7	78	0.00
16 T	Acetone	0.111	0.096	13.5	65	0.00
17 T	Carbon Disulfide	1.727	1.311	24.1	57	0.00
18 T	Methyl Acetate	0.275	0.422	-53.5#	116	0.00
19 T	Methyl tert-butyl Ether	1.306	1.331	-1.9	73	0.00
20 T	Methylene Chloride	0.626	0.578	7.7	75	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.545	5.5	70	0.00
22 T	Diisopropyl ether	1.754	1.846	-5.2	75	0.00
23 T	Vinyl Acetate	1.026	0.979	4.6	67	0.00
24 P	1,1-Dichloroethane	1.049	1.054	-0.5	74	0.00
25 T	2-Butanone	0.158	0.160	-1.3	74	0.00
26 T	2,2-Dichloropropane	0.933	0.866	7.2	69	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.653	-0.6	73	0.00
28 T	Bromochloromethane	0.442	0.439	0.7	75	0.00
29 T	Tetrahydrofuran	0.102	0.108	-5.9	75	0.00
30 C	Chloroform	1.091	1.124	-3.0#	76	0.00
31 T	Cyclohexane	0.956	0.862	9.8	69	0.00
32 T	1,1,1-Trichloroethane	0.986	1.000	-1.4	76	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.534	1.5	71	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
35 S	Dibromofluoromethane	0.324	0.335	-3.4	72	0.00
36 T	1,1-Dichloropropene	0.494	0.494	0.0	72	0.00
37 T	Ethyl Acetate	0.233	0.241	-3.4	74	0.00
38 T	Carbon Tetrachloride	0.566	0.580	-2.5	75	0.00
39 T	Methylcyclohexane	0.590	0.601	-1.9	70	0.00
40 TM	Benzene	1.479	1.511	-2.2	73	0.00
41 T	Methacrylonitrile	0.124	0.129	-4.0	68	-0.02
42 TM	1,2-Dichloroethane	0.417	0.432	-3.6	75	0.00
43 T	Isopropyl Acetate	0.442	0.463	-4.8	74	0.00
44 TM	Trichloroethene	0.377	0.391	-3.7	76	0.00
45 C	1,2-Dichloropropane	0.350	0.374	-6.9#	77	0.00
46 T	Dibromomethane	0.202	0.216	-6.9	79	0.00
47 T	Bromodichloromethane	0.523	0.563	-7.6	78	0.00
48 T	Methyl methacrylate	0.203	0.223	-9.9	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	73	0.00
50 S	Toluene-d8	1.234	1.224	0.8	68	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.263	-14.3	79	0.00
52 CM	Toluene	0.923	0.970	-5.1#	74	0.00
53 T	t-1,3-Dichloropropene	0.465	0.492	-5.8	73	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.567	-3.5	73	0.00
55 T	1,1,2-Trichloroethane	0.260	0.292	-12.3	81	0.00
56 T	Ethyl methacrylate	0.332	0.379	-14.2	75	0.00
57 T	1,3-Dichloropropane	0.449	0.485	-8.0	77	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.191	-17.9	77	0.00
59 T	2-Hexanone	0.153	0.177	-15.7	78	0.00
60 T	Dibromochloromethane	0.355	0.400	-12.7	80	0.00
61 T	1,2-Dibromoethane	0.244	0.265	-8.6	76	0.00
62 S	4-Bromofluorobenzene	0.417	0.451	-8.2	75	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64 T	Tetrachloroethene	0.455	0.465	-2.2	78	0.00
65 PM	Chlorobenzene	1.146	1.161	-1.3	76	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.425	-4.4	78	0.00
67 C	Ethyl Benzene	1.965	2.034	-3.5#	75	0.00
68 T	m/p-Xylenes	0.753	0.777	-3.2	74	0.00
69 T	o-Xylene	0.695	0.730	-5.0	74	0.00
70 T	Styrene	1.158	1.252	-8.1	76	0.00
71 P	Bromoform	0.232	0.252	-8.6	80	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
73 T	Isopropylbenzene	3.714	3.458	6.9	76	0.00
74 T	N-amyl acetate	0.872	0.776	11.0	71	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.613	8.2	79	0.00
76 T	1,2,3-Trichloropropane	0.496	0.461	7.1	78	0.00
77 T	Bromobenzene	0.892	0.813	8.9	77	0.00
78 T	n-propylbenzene	4.465	4.246	4.9	78	0.00
79 T	2-Chlorotoluene	2.593	2.381	8.2	76	0.00
80 T	1,3,5-Trimethylbenzene	3.035	2.858	5.8	77	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.185	14.0	70	0.00
82 T	4-Chlorotoluene	2.704	2.492	7.8	76	0.00
83 T	tert-Butylbenzene	2.703	2.600	3.8	79	0.00
84 T	1,2,4-Trimethylbenzene	3.000	2.878	4.1	78	0.00
85 T	sec-Butylbenzene	3.951	3.849	2.6	79	0.00
86 T	p-Isopropyltoluene	3.265	3.199	2.0	79	0.00
87 T	1,3-Dichlorobenzene	1.757	1.648	6.2	80	0.00
88 T	1,4-Dichlorobenzene	1.736	1.619	6.7	79	0.00
89 T	n-Butylbenzene	3.020	2.961	2.0	79	0.00
90 T	Hexachloroethane	0.716	0.675	5.7	81	0.00
91 T	1,2-Dichlorobenzene	1.529	1.448	5.3	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.101	1.9	83	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.830	-0.1	80	0.00
94 T	Hexachlorobutadiene	0.518	0.526	-1.5	85	0.00
95 T	Naphthalene	1.375	1.493	-8.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.730	-3.3	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	73	0.00
2 T	Dichlorodifluoromethane	50.000	34.675	30.7#	52	0.00
3 P	Chloromethane	50.000	37.926	24.1	58	0.00
4 C	Vinyl Chloride	50.000	40.388	19.2#	61	0.00
5 T	Bromomethane	50.000	41.105	17.8	66	0.00
6 T	Chloroethane	50.000	44.021	12.0	68	0.00
7 T	Trichlorofluoromethane	50.000	45.822	8.4	70	0.00
8 T	Diethyl Ether	50.000	47.399	5.2	72	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.950	0.1	76	0.00
10 T	Methyl Iodide	50.000	45.932	8.1	63	0.00
11 T	Tert butyl alcohol	250.000	243.556	2.6	74	0.00
12 CM	1,1-Dichloroethene	50.000	45.612	8.8#	68	0.00
13 T	Acrolein	250.000	7.930	96.8#	2	0.00
14 T	Allyl chloride	50.000	47.435	5.1	69	0.00
15 T	Acrylonitrile	250.000	267.842	-7.1	78	0.00
16 T	Acetone	250.000	215.455	13.8	65	0.00
17 T	Carbon Disulfide	50.000	37.940	24.1	57	0.00
18 T	Methyl Acetate	50.000	76.853	-53.7#	116	0.00
19 T	Methyl tert-butyl Ether	50.000	50.970	-1.9	73	0.00
20 T	Methylene Chloride	50.000	53.510	-7.0	75	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.223	5.6	70	0.00
22 T	Diisopropyl ether	50.000	52.609	-5.2	75	0.00
23 T	Vinyl Acetate	250.000	238.431	4.6	67	0.00
24 P	1,1-Dichloroethane	50.000	50.240	-0.5	74	0.00
25 T	2-Butanone	250.000	252.446	-1.0	74	0.00
26 T	2,2-Dichloropropane	50.000	46.414	7.2	69	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.266	-0.5	73	0.00
28 T	Bromochloromethane	50.000	49.629	0.7	75	0.00
29 T	Tetrahydrofuran	250.000	265.308	-6.1	75	0.00
30 C	Chloroform	50.000	51.519	-3.0#	76	0.00
31 T	Cyclohexane	50.000	45.062	9.9	69	0.00
32 T	1,1,1-Trichloroethane	50.000	50.714	-1.4	76	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.291	1.4	71	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	73	0.00
35 S	Dibromofluoromethane	50.000	51.567	-3.1	72	0.00
36 T	1,1-Dichloropropene	50.000	50.035	-0.1	72	0.00
37 T	Ethyl Acetate	50.000	51.733	-3.5	74	0.00
38 T	Carbon Tetrachloride	50.000	51.249	-2.5	75	0.00
39 T	Methylcyclohexane	50.000	50.922	-1.8	70	0.00
40 TM	Benzene	50.000	51.051	-2.1	73	0.00
41 T	Methacrylonitrile	50.000	52.095	-4.2	68	-0.02
42 TM	1,2-Dichloroethane	50.000	51.801	-3.6	75	0.00
43 T	Isopropyl Acetate	50.000	52.369	-4.7	74	0.00
44 TM	Trichloroethene	50.000	51.907	-3.8	76	0.00
45 C	1,2-Dichloropropane	50.000	53.457	-6.9#	77	0.00
46 T	Dibromomethane	50.000	53.422	-6.8	79	0.00
47 T	Bromodichloromethane	50.000	53.857	-7.7	78	0.00
48 T	Methyl methacrylate	50.000	54.919	-9.8	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1042.700	-4.3	73	0.00
50 S	Toluene-d8	50.000	49.581	0.8	68	0.00
51 T	4-Methyl-2-Pentanone	250.000	285.663	-14.3	79	0.00
52 CM	Toluene	50.000	52.527	-5.1#	74	0.00
53 T	t-1,3-Dichloropropene	50.000	52.910	-5.8	73	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.714	-3.4	73	0.00
55 T	1,1,2-Trichloroethane	50.000	56.175	-12.3	81	0.00
56 T	Ethyl methacrylate	50.000	57.212	-14.4	75	0.00
57 T	1,3-Dichloropropane	50.000	54.092	-8.2	77	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	294.907	-18.0	77	0.00
59 T	2-Hexanone	250.000	288.335	-15.3	78	0.00
60 T	Dibromochloromethane	50.000	56.412	-12.8	80	0.00
61 T	1,2-Dibromoethane	50.000	54.475	-9.0	76	0.00
62 S	4-Bromofluorobenzene	50.000	54.025	-8.0	75	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64 T	Tetrachloroethene	50.000	51.070	-2.1	78	0.00
65 PM	Chlorobenzene	50.000	50.644	-1.3	76	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.241	-4.5	78	0.00
67 C	Ethyl Benzene	50.000	51.739	-3.5#	75	0.00
68 T	m/p-Xylenes	100.000	103.189	-3.2	74	0.00
69 T	o-Xylene	50.000	52.528	-5.1	74	0.00
70 T	Styrene	50.000	54.028	-8.1	76	0.00
71 P	Bromoform	50.000	54.280	-8.6	80	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	84	0.00
73 T	Isopropylbenzene	50.000	46.563	6.9	76	0.00
74 T	N-amyl acetate	50.000	44.542	10.9	71	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.870	8.3	79	0.00
76 T	1,2,3-Trichloropropane	50.000	46.487	7.0	78	0.00
77 T	Bromobenzene	50.000	45.591	8.8	77	0.00
78 T	n-propylbenzene	50.000	47.555	4.9	78	0.00
79 T	2-Chlorotoluene	50.000	45.910	8.2	76	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.086	5.8	77	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	43.020	14.0	70	0.00
82 T	4-Chlorotoluene	50.000	46.082	7.8	76	0.00
83 T	tert-Butylbenzene	50.000	48.092	3.8	79	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.974	4.1	78	0.00
85 T	sec-Butylbenzene	50.000	48.717	2.6	79	0.00
86 T	p-Isopropyltoluene	50.000	48.991	2.0	79	0.00
87 T	1,3-Dichlorobenzene	50.000	46.907	6.2	80	0.00
88 T	1,4-Dichlorobenzene	50.000	46.644	6.7	79	0.00
89 T	n-Butylbenzene	50.000	49.033	1.9	79	0.00
90 T	Hexachloroethane	50.000	47.153	5.7	81	0.00
91 T	1,2-Dichlorobenzene	50.000	47.349	5.3	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.715	2.6	83	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.055	-0.1	80	0.00
94 T	Hexachlorobutadiene	50.000	50.768	-1.5	85	0.00
95 T	Naphthalene	50.000	54.294	-8.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	51.591	-3.2	83	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: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 09:10

Lab File ID: VY021794.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.452		-12.74	20
Chloromethane	0.729	0.643	0.1	-11.8	20
Vinyl Chloride	0.824	0.748		-9.22	20
Bromomethane	0.562	0.461		-17.97	20
Chloroethane	0.539	0.488		-9.46	20
Tetrahydrofuran	0.102	0.088		-13.73	20
Trichlorofluoromethane	1.056	0.976		-7.58	20
1,1,2-Trichlorotrifluoroethane	0.557	0.516		-7.36	20
1,1-Dichloroethene	0.524	0.492		-6.11	20
Acrylonitrile	0.120	0.104		-13.33	20
Acetone	0.111	0.115		3.6	20
Carbon Disulfide	1.727	1.557		-9.84	20
Methyl tert-butyl Ether	1.306	1.179		-9.72	20
Methylene Chloride	0.626	0.524		-16.29	20
trans-1,2-Dichloroethene	0.577	0.548		-5.03	20
1,1-Dichloroethane	1.049	0.993	0.1	-5.34	20
2-Butanone	0.158	0.145		-8.23	20
Carbon Tetrachloride	0.566	0.574		1.41	20
2,2-Dichloropropane	0.933	0.900		-3.54	20
cis-1,2-Dichloroethene	0.649	0.623		-4.01	20
Chloroform	1.091	1.038		-4.86	20
1,1,1-Trichloroethane	0.986	0.931		-5.58	20
1,1-Dichloropropene	0.494	0.499		1.01	20
Benzene	1.479	1.489		0.68	20
1,2-Dichloroethane	0.417	0.403		-3.36	20
Trichloroethene	0.377	0.391		3.71	20
1,2-Dichloropropane	0.350	0.349		-0.29	20
Dibromomethane	0.202	0.194		-3.96	20
Bromodichloromethane	0.523	0.517		-1.15	20
4-Methyl-2-Pentanone	0.230	0.214		-6.96	20
Toluene	0.923	0.947		2.6	20
t-1,3-Dichloropropene	0.465	0.463		-0.43	20
cis-1,3-Dichloropropene	0.548	0.550		0.37	20
1,1,2-Trichloroethane	0.260	0.255		-1.92	20
1,3-Dichloropropane	0.449	0.442		-1.56	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.353		-0.56	20
1,2-Dibromoethane	0.244	0.237		-2.87	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: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 09:10

Lab File ID: VY021794.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.498		9.45	20
Chlorobenzene	1.146	1.144	0.3	-0.17	20
1,1,1,2-Tetrachloroethane	0.407	0.406		-0.25	20
Ethyl Benzene	1.965	2.032		3.41	20
m/p-Xylenes	0.753	0.782		3.85	20
o-Xylene	0.695	0.722		3.88	20
Styrene	1.158	1.220		5.35	20
Bromoform	0.232	0.230	0.1	-0.86	20
Isopropylbenzene	3.714	3.754		1.08	20
1,1,2,2-Tetrachloroethane	0.668	0.558	0.3	-16.47	20
1,2,3-Trichloropropane	0.496	0.495		-0.2	20
Bromobenzene	0.892	0.880		-1.35	20
n-propylbenzene	4.465	4.571		2.37	20
2-Chlorotoluene	2.593	2.571		-0.85	20
1,3,5-Trimethylbenzene	3.035	3.067		1.05	20
4-Chlorotoluene	2.704	2.643		-2.26	20
tert-Butylbenzene	2.703	2.671		-1.18	20
1,2,4-Trimethylbenzene	3.000	3.088		2.93	20
sec-Butylbenzene	3.951	3.994		1.09	20
p-Isopropyltoluene	3.265	3.370		3.22	20
1,3-Dichlorobenzene	1.757	1.749		-0.46	20
1,4-Dichlorobenzene	1.736	1.688		-2.77	20
n-Butylbenzene	3.020	3.049		0.96	20
1,2-Dichlorobenzene	1.529	1.506		-1.5	20
1,2-Dibromo-3-Chloropropane	0.103	0.093		-9.71	20
1,2,4-Trichlorobenzene	0.829	0.817		-1.45	20
Hexachlorobutadiene	0.518	0.498		-3.86	20
1,2,3-Trichlorobenzene	0.707	0.687		-2.83	20
1,2-Dichloroethane-d4	0.542	0.510		-5.9	20
Dibromofluoromethane	0.324	0.328		1.24	20
Toluene-d8	1.234	1.277		3.48	20
4-Bromofluorobenzene	0.417	0.433		3.84	20
trans-1,4-Dichloro-2-butene	0.215	0.199		-7.44	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\VY040725\
 Data File : VY021794.D
 Acq On : 07 Apr 2025 09:10
 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 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:30:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	47.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.160%			
35) Dibromofluoromethane	7.634	113	110409	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	430269	51.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.408	95	146026	51.914	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	101543	43.574	ug/l	99
3) Chloromethane	2.068	50	144626	44.137	ug/l	99
4) Vinyl Chloride	2.202	62	168210	45.392	ug/l	100
5) Bromomethane	2.598	94	103733	41.042	ug/l	96
6) Chloroethane	2.733	64	109653	45.220	ug/l	96
7) Trichlorofluoromethane	3.056	101	219440	46.226	ug/l	96
8) Diethyl Ether	3.452	74	56166	43.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	116067	46.358	ug/l	99
10) Methyl Iodide	4.007	142	134960	49.135	ug/l	99
11) Tert butyl alcohol	4.854	59	31101	196.563	ug/l	98
12) 1,1-Dichloroethene	3.793	96	110572	46.887	ug/l	98
13) Acrolein	3.647	56	21903	75.813	ug/l	98
14) Allyl chloride	4.385	41	173690	46.193	ug/l	99
15) Acrylonitrile	5.061	53	116368	215.889	ug/l	98
16) Acetone	3.866	43	129207	259.165	ug/l	96
17) Carbon Disulfide	4.104	76	350105	45.073	ug/l	98
18) Methyl Acetate	4.385	43	61273	49.589	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	264988	45.133	ug/l	99
20) Methylene Chloride	4.616	84	117747	48.120	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	123247	47.466	ug/l	95
22) Diisopropyl ether	6.019	45	375600	47.619	ug/l	99
23) Vinyl Acetate	5.958	43	1018936	220.822	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223308	47.347	ug/l	99
25) 2-Butanone	6.890	43	163207	229.196	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202427	48.250	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	140137	47.992	ug/l	98
28) Bromochloromethane	7.244	49	92565	46.536	ug/l	100
29) Tetrahydrofuran	7.262	42	98557	215.053	ug/l	98
30) Chloroform	7.421	83	233479	47.595	ug/l	99
31) Cyclohexane	7.701	56	191520	44.546	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	209391	47.227	ug/l	98
36) 1,1-Dichloropropene	7.835	75	168291	50.545	ug/l	99
37) Ethyl Acetate	6.982	43	69534	44.251	ug/l	98
38) Carbon Tetrachloride	7.817	117	193545	50.753	ug/l	98
39) Methylcyclohexane	9.109	83	194442	48.886	ug/l	99
40) Benzene	8.079	78	501796	50.325	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021794.D
 Acq On : 07 Apr 2025 09:10
 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 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:30:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	40954m	49.076	ug/l	
42) 1,2-Dichloroethane	8.158	62	135660	48.260	ug/l	99
43) Isopropyl Acetate	8.195	43	133660	44.885	ug/l #	87
44) Trichloroethene	8.866	130	131643	51.817	ug/l	96
45) 1,2-Dichloropropane	9.140	63	117612	49.831	ug/l	99
46) Dibromomethane	9.231	93	65338	48.034	ug/l	98
47) Bromodichloromethane	9.426	83	174186	49.419	ug/l	100
48) Methyl methacrylate	9.219	41	64853	47.453	ug/l	95
49) 1,4-Dioxane	9.231	88	13646	936.467	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	360893	232.887	ug/l	100
52) Toluene	10.170	92	319169	51.304	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	155920	49.804	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	185476	50.219	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	86004	49.131	ug/l	98
56) Ethyl methacrylate	10.445	69	109189	48.850	ug/l	98
57) 1,3-Dichloropropane	10.719	76	149100	49.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	282136	258.748	ug/l	100
59) 2-Hexanone	10.762	43	251244	243.444	ug/l	100
60) Dibromochloromethane	10.914	129	118885	49.743	ug/l	99
61) 1,2-Dibromoethane	11.018	107	80014	48.727	ug/l	99
64) Tetrachloroethene	10.646	164	148740	54.654	ug/l	98
65) Chlorobenzene	11.444	112	341961	49.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	121265	49.897	ug/l	98
67) Ethyl Benzene	11.524	91	607101	51.687	ug/l	100
68) m/p-Xylenes	11.633	106	467260	103.887	ug/l	100
69) o-Xylene	11.957	106	215626	51.935	ug/l	98
70) Styrene	11.969	104	364462	52.649	ug/l	99
71) Bromoform	12.133	173	68597	49.483	ug/l #	99
73) Isopropylbenzene	12.255	105	575416	50.541	ug/l	99
74) N-amyl acetate	12.072	43	115291	43.148	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85563	41.800	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	75873m	49.934	ug/l	
77) Bromobenzene	12.536	156	134854	49.332	ug/l	97
78) n-propylbenzene	12.597	91	700624	51.186	ug/l	100
79) 2-Chlorotoluene	12.682	91	394135	49.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	470123	50.524	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	30461	46.192	ug/l	97
82) 4-Chlorotoluene	12.780	91	405107	48.877	ug/l	98
83) tert-Butylbenzene	12.999	119	409458	49.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	473400	51.475	ug/l	99
85) sec-Butylbenzene	13.176	105	612188	50.544	ug/l	100
86) p-Isopropyltoluene	13.292	119	516598	51.605	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	268145	49.789	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	258781	48.633	ug/l	99
89) n-Butylbenzene	13.621	91	467407	50.487	ug/l	100
90) Hexachloroethane	13.883	117	106174	48.399	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	230830	49.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14186	44.715	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	125306	49.286	ug/l	99
94) Hexachlorobutadiene	15.029	225	76368	48.096	ug/l	99
95) Naphthalene	15.151	128	198442	47.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	105317	48.577	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021794.D
 Acq On : 07 Apr 2025 09:10
 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: Apr 08 03:30:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

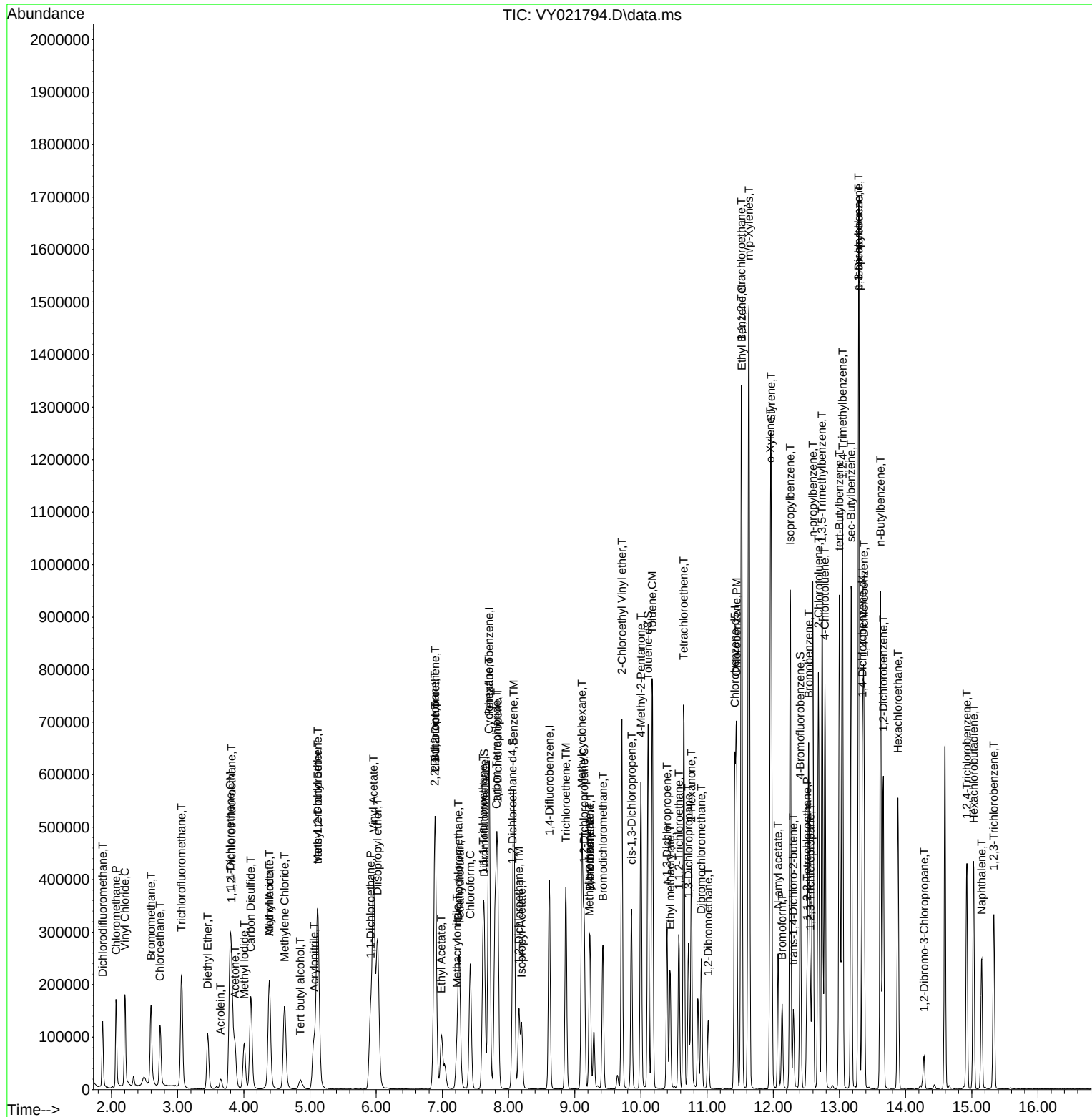
Response via : Initial Calibration

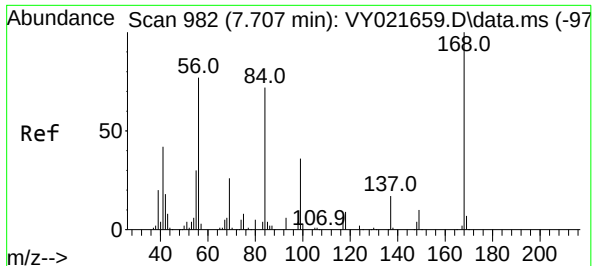
Manual Integrations

APPROVED

Reviewed By : Mahesh Dadoda 04/08/2025

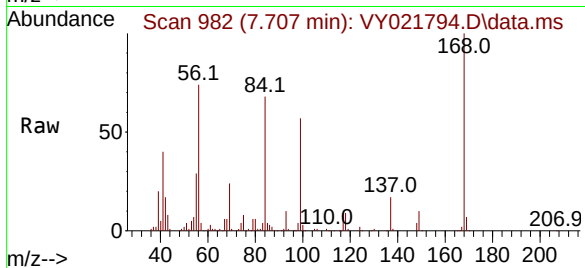
Supervised By : Semsettin Yesilyurt 04/08/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

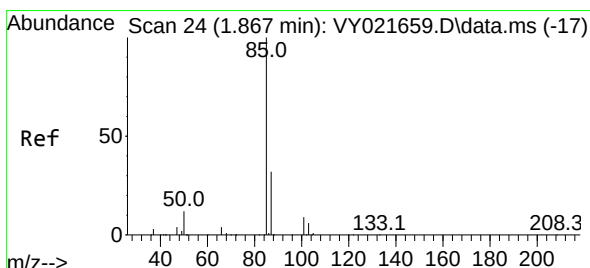
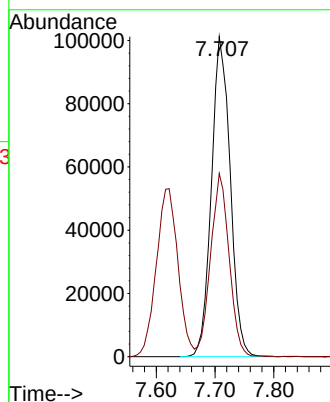
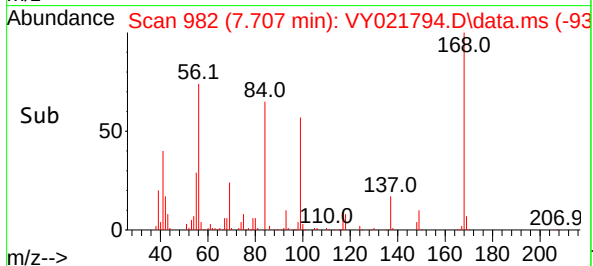
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 168 Resp: 22483
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1

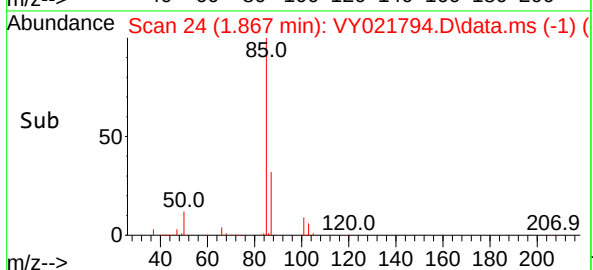
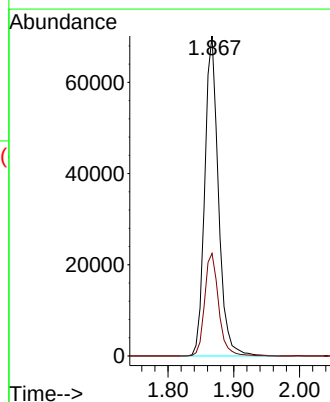
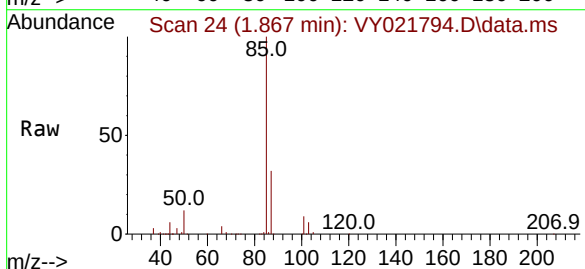
Manual Integrations
APPROVED

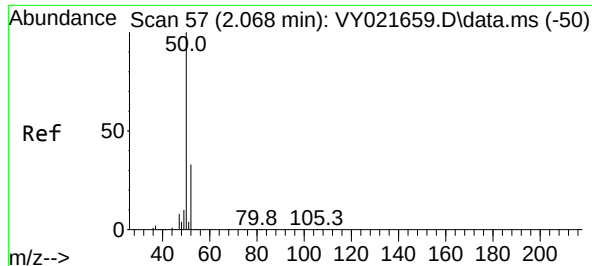
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#2
Dichlorodifluoromethane
Concen: 43.574 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 85 Resp: 101543
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6





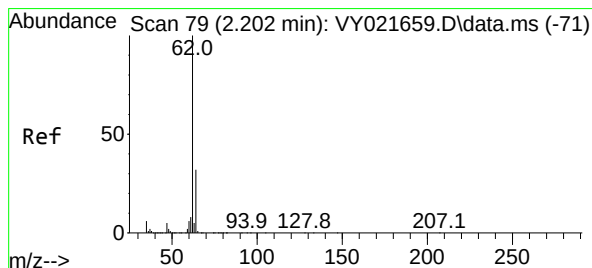
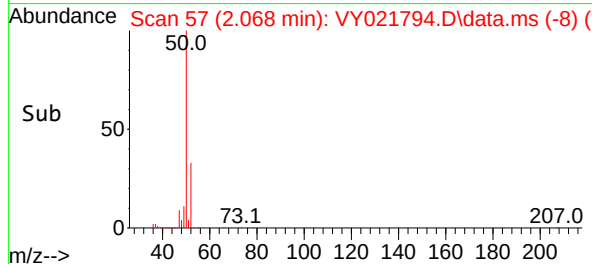
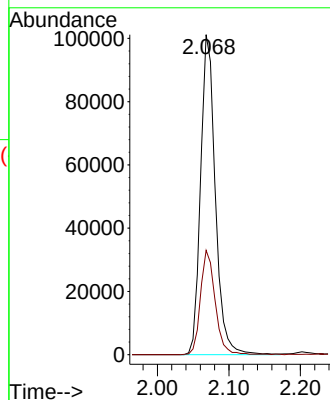
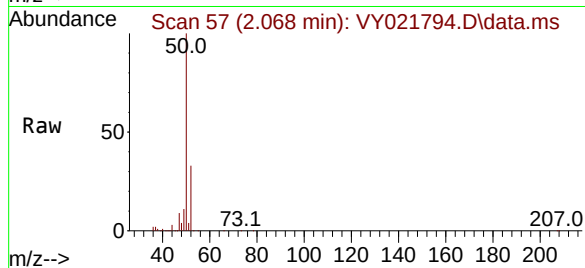
#3
Chloromethane
Concen: 44.137 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 144620
Ion Ratio Lower Upper
50 100
52 32.6 26.3 39.5

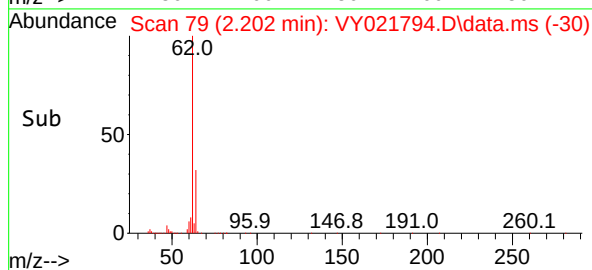
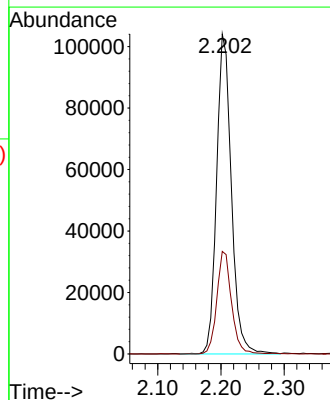
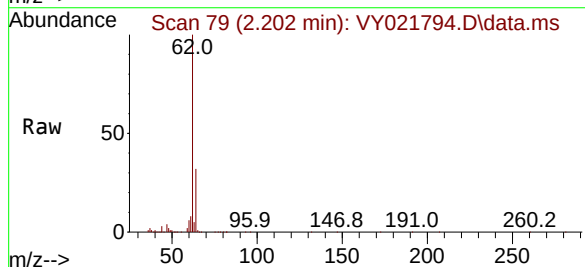
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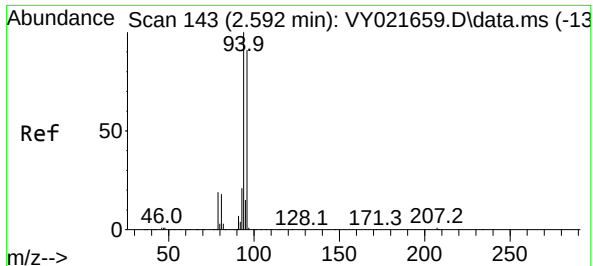
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#4
Vinyl Chloride
Concen: 45.392 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

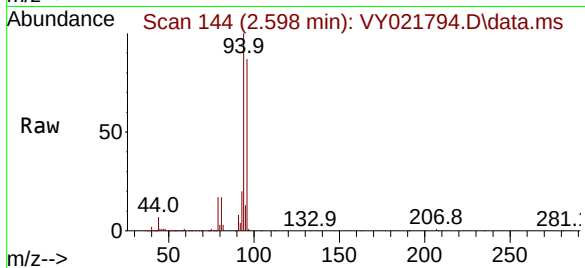
Tgt Ion: 62 Resp: 168210
Ion Ratio Lower Upper
62 100
64 32.0 25.5 38.3





#5
Bromomethane
Concen: 41.042 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

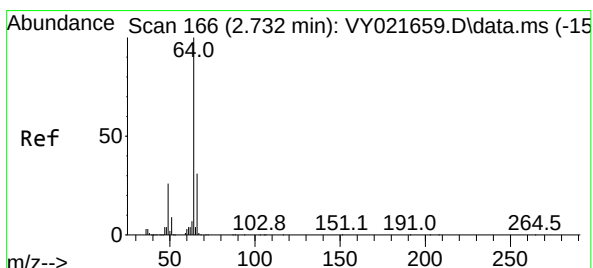
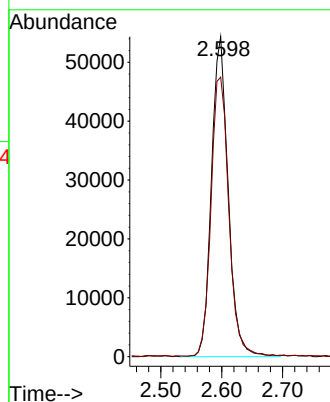
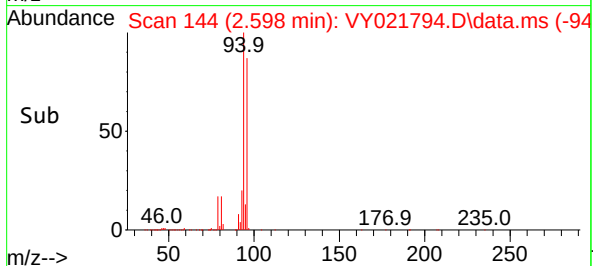
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



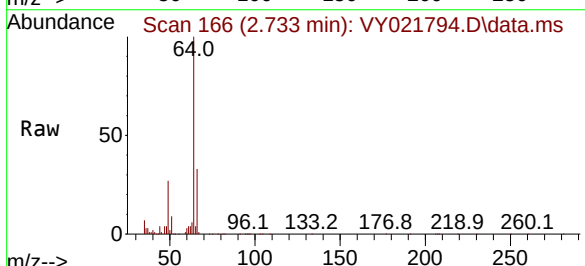
Tgt Ion: 94 Resp: 10373
Ion Ratio Lower Upper
94 100
96 87.1 72.8 109.2

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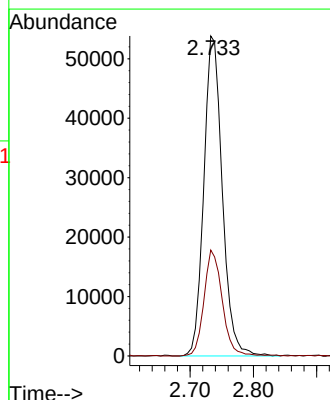
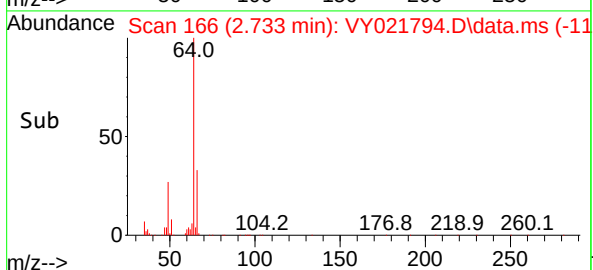
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

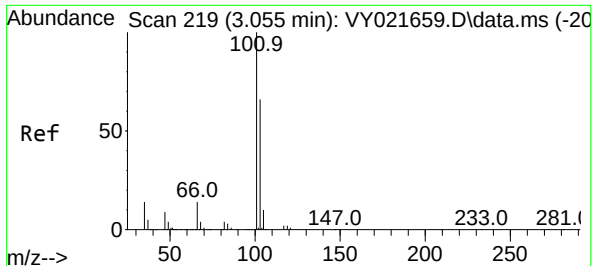


#6
Chloroethane
Concen: 45.220 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



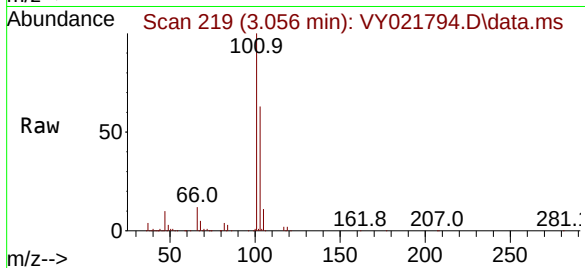
Tgt Ion: 64 Resp: 109653
Ion Ratio Lower Upper
64 100
66 33.1 24.9 37.3





#7
Trichlorofluoromethane
Concen: 46.226 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

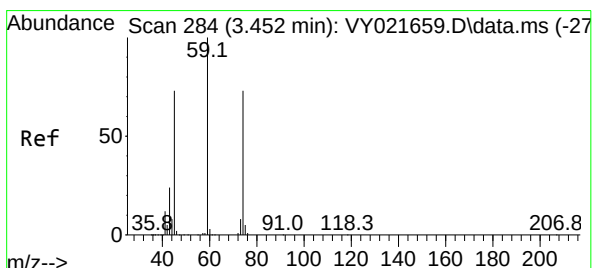
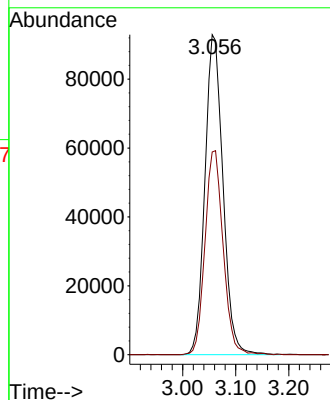
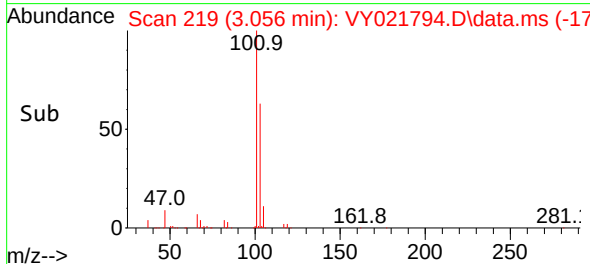
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 101 Resp: 219440
Ion Ratio Lower Upper
101 100
103 63.4 53.1 79.7

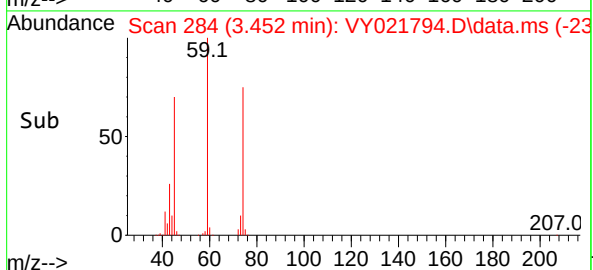
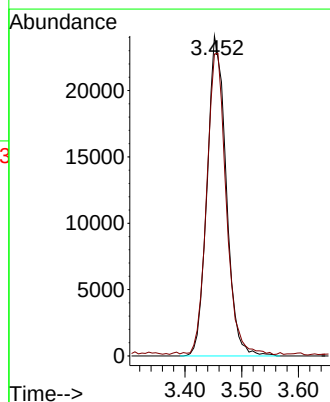
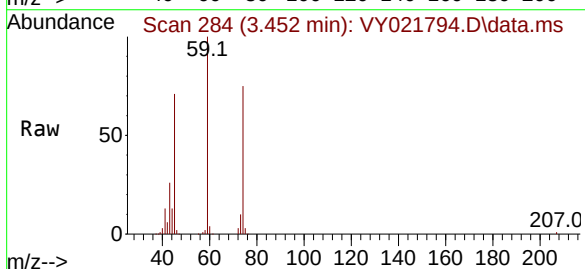
Manual Integrations
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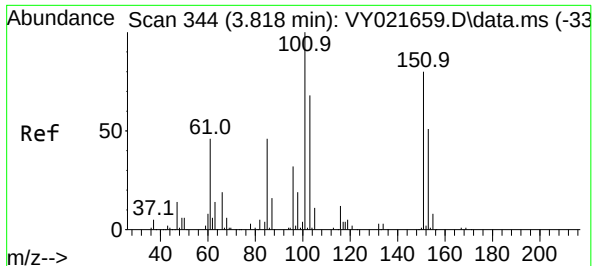
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#8
Diethyl Ether
Concen: 43.508 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 74 Resp: 56166
Ion Ratio Lower Upper
74 100
45 96.3 48.6 145.8





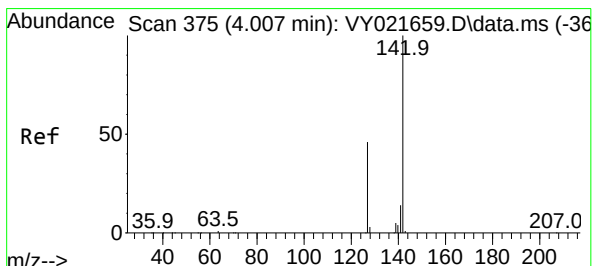
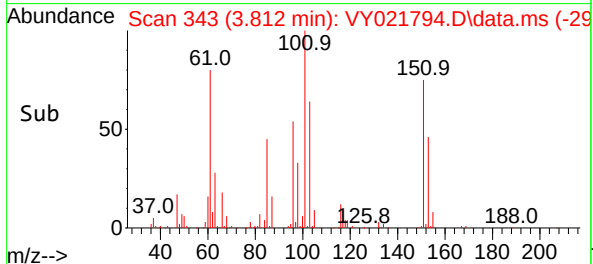
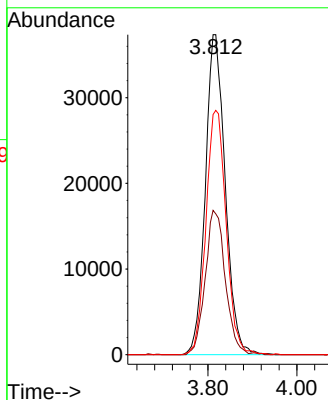
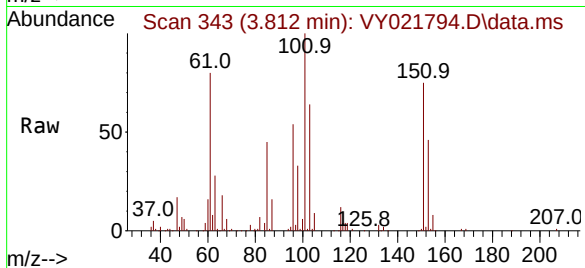
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.358 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 11606
Ion Ratio Lower Upper
101 100
85 45.7 36.3 54.5
151 77.8 61.3 91.9

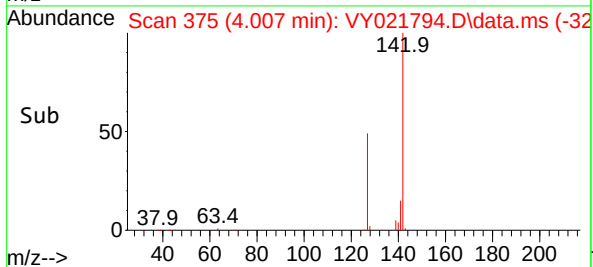
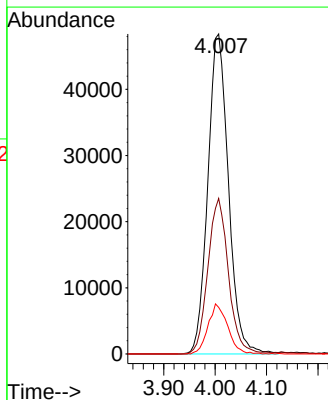
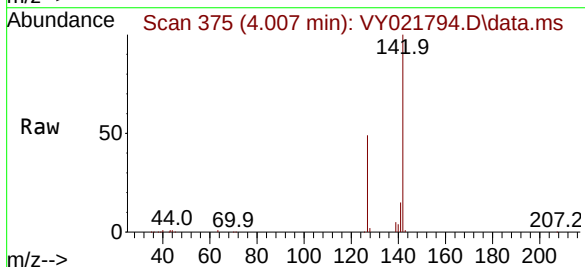
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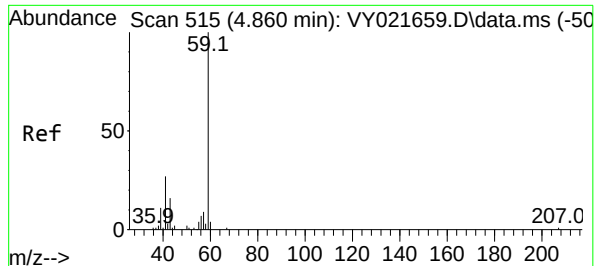
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#10
Methyl Iodide
Concen: 49.135 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:142 Resp: 134960
Ion Ratio Lower Upper
142 100
127 48.6 38.7 58.1
141 14.9 11.5 17.3





#11

Tert butyl alcohol

Concen: 196.563 ug/l

RT: 4.854 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 3110

Ion Ratio Lower Upper

59 100

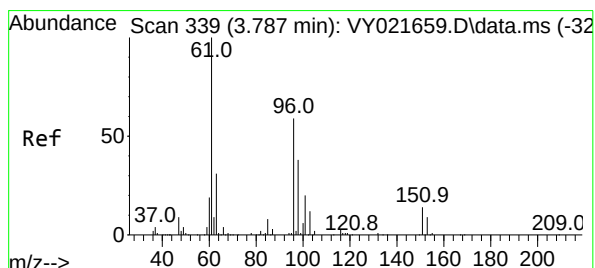
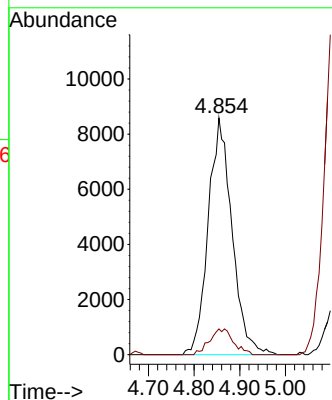
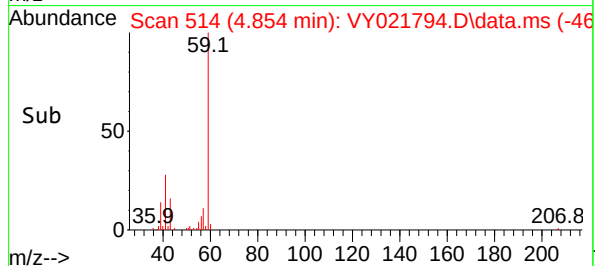
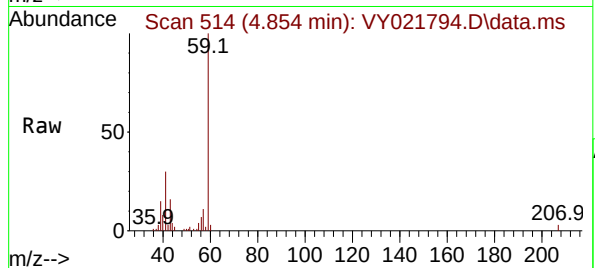
57 10.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#12

1,1-Dichloroethene

Concen: 46.887 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

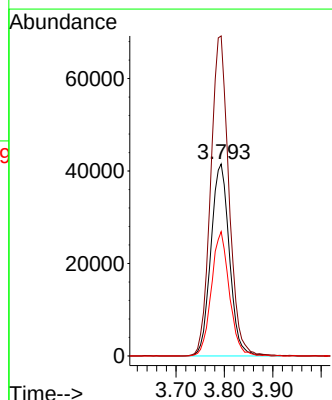
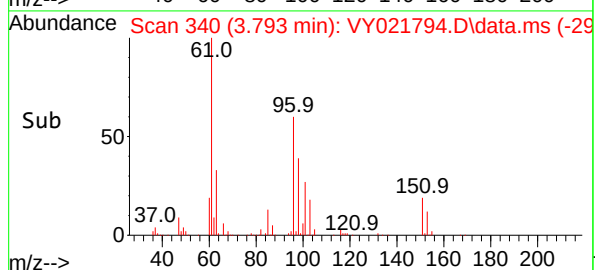
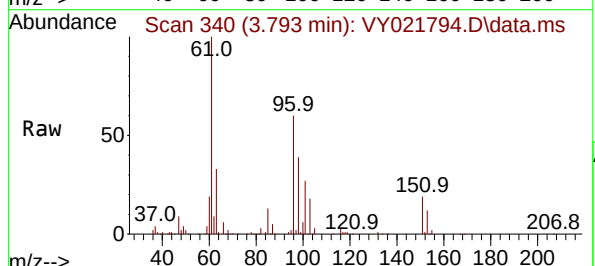
Tgt Ion: 96 Resp: 110572

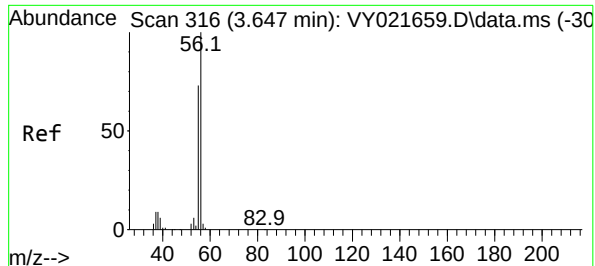
Ion Ratio Lower Upper

96 100

61 166.7 136.6 204.8

98 64.7 52.3 78.5





#13

Acrolein

Concen: 75.813 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 2190

Ion Ratio Lower Upper

56 100

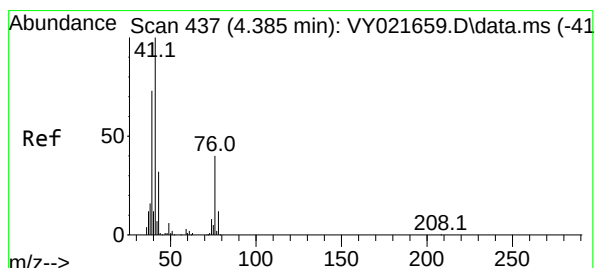
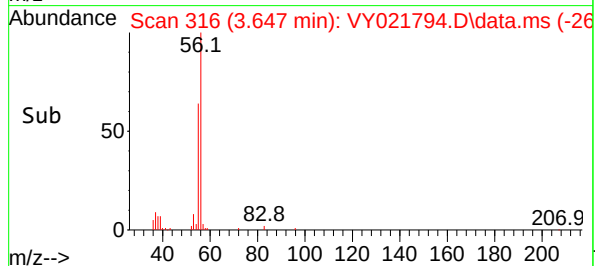
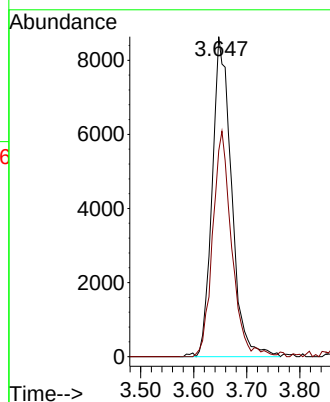
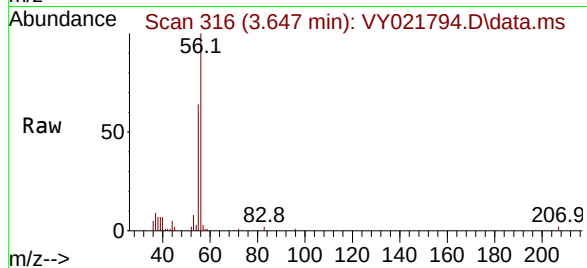
55 69.3 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#14

Allyl chloride

Concen: 46.193 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

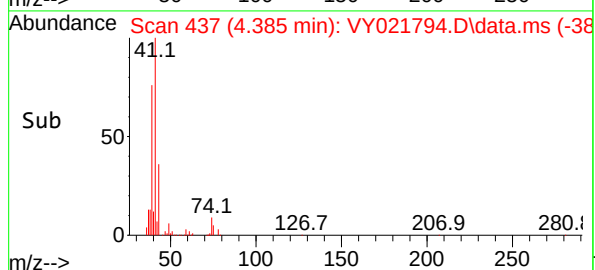
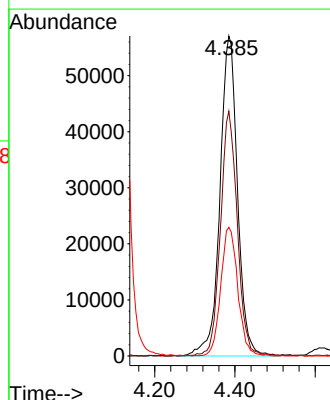
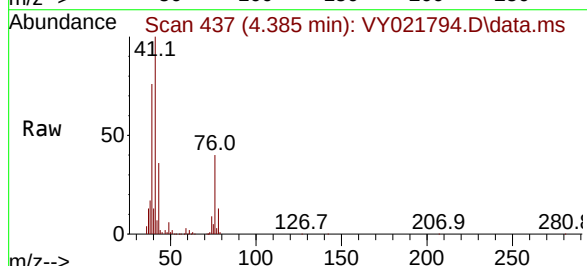
Tgt Ion: 41 Resp: 173690

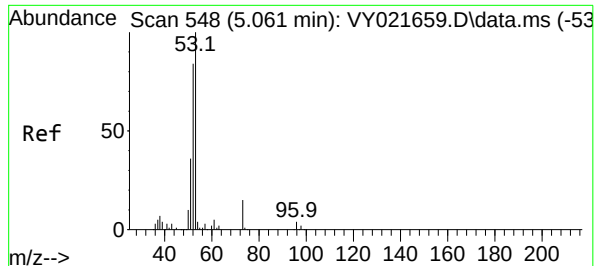
Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 39.1 30.3 45.5





#15

Acrylonitrile

Concen: 215.889 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 116368

Ion Ratio Lower Upper

53 100

52 82.5 64.9 97.3

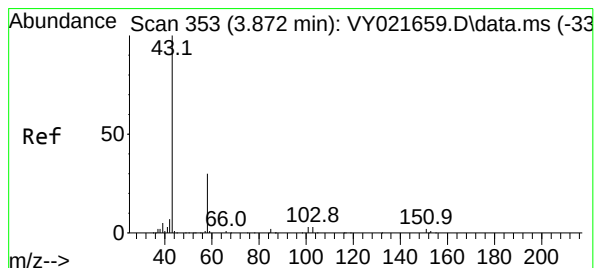
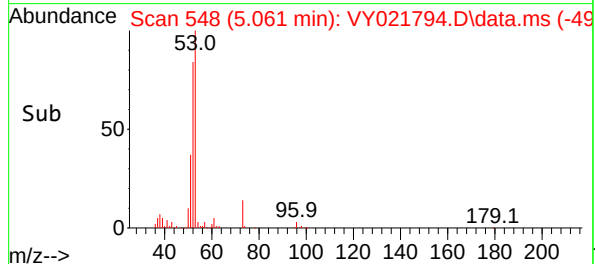
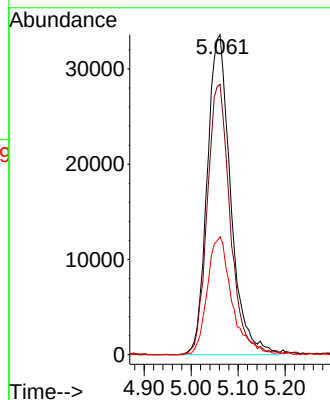
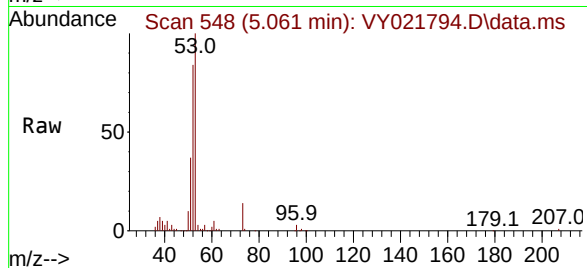
51 39.1 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#16

Acetone

Concen: 259.165 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021794.D

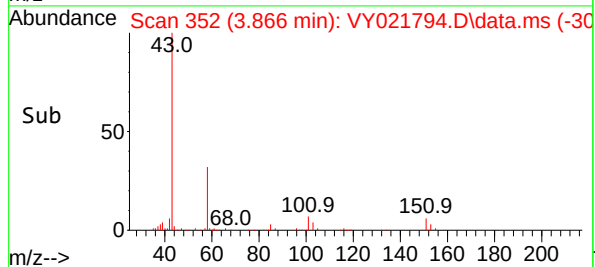
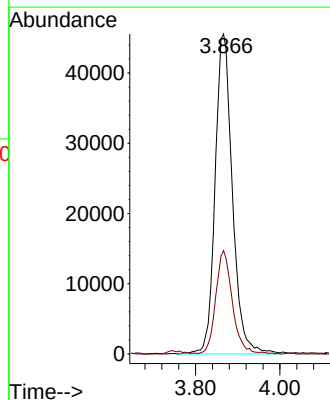
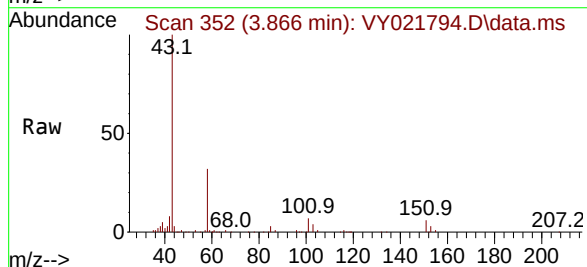
Acq: 07 Apr 2025 09:10

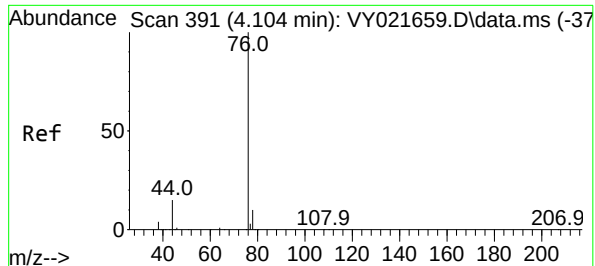
Tgt Ion: 43 Resp: 129207

Ion Ratio Lower Upper

43 100

58 32.3 24.2 36.4





#17

Carbon Disulfide

Concen: 45.073 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 35010

Ion Ratio Lower Upper

76 100

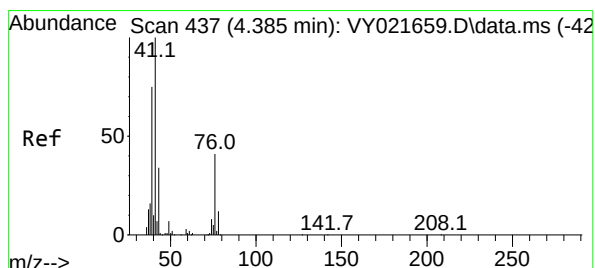
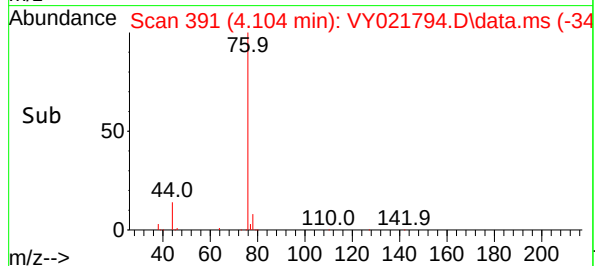
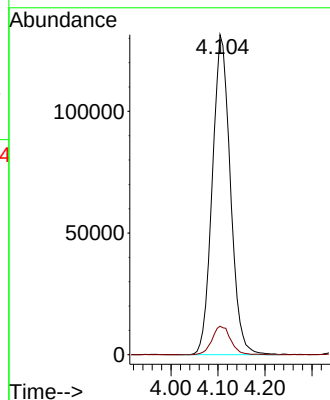
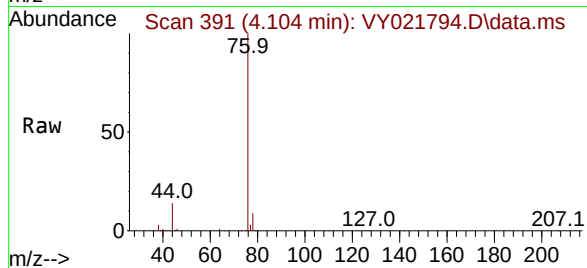
78 8.9 7.6 11.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#18

Methyl Acetate

Concen: 49.589 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021794.D

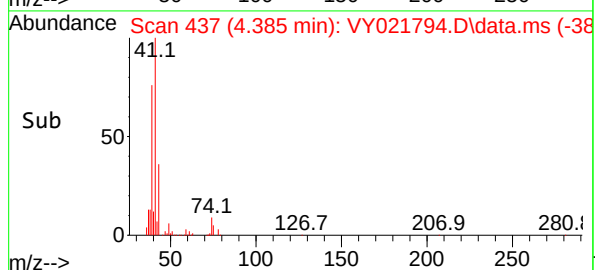
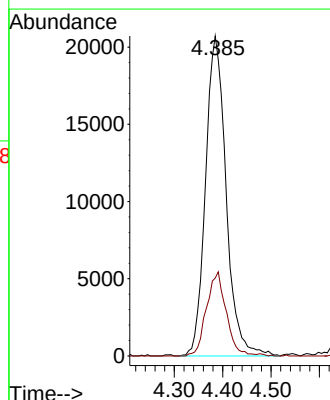
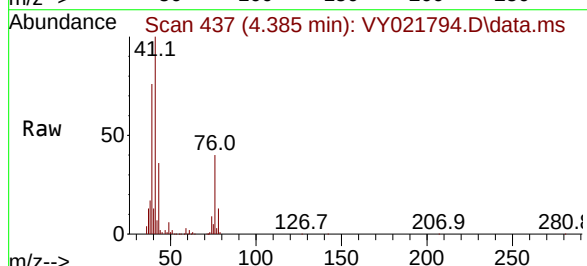
Acq: 07 Apr 2025 09:10

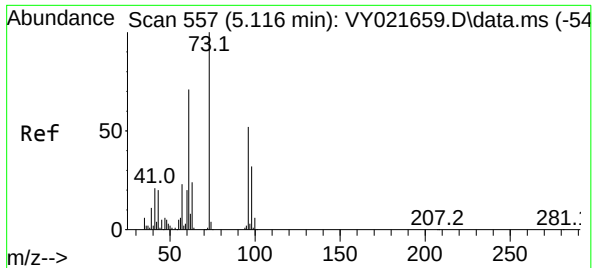
Tgt Ion: 43 Resp: 61273

Ion Ratio Lower Upper

43 100

74 25.1 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 45.133 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 26498

Ion Ratio Lower Upper

73 100

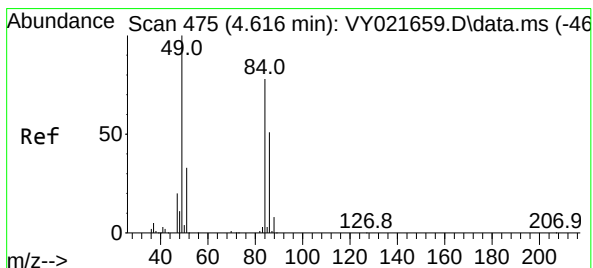
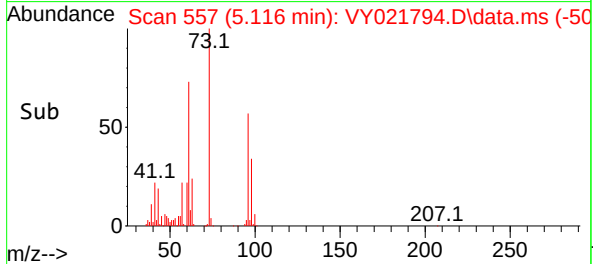
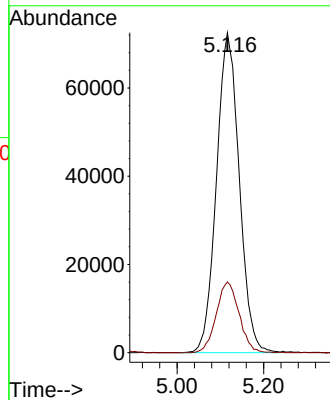
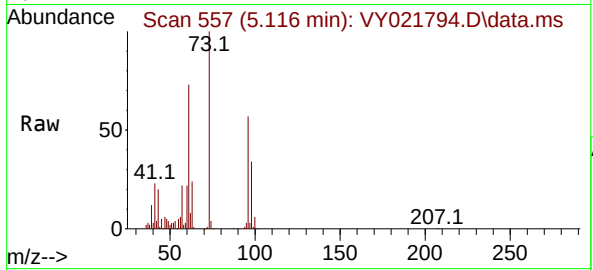
57 22.1 18.1 27.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#20

Methylene Chloride

Concen: 48.120 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion: 84 Resp: 117747

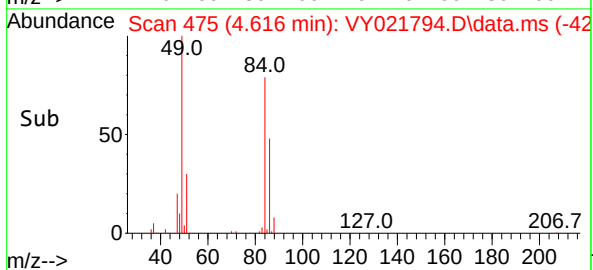
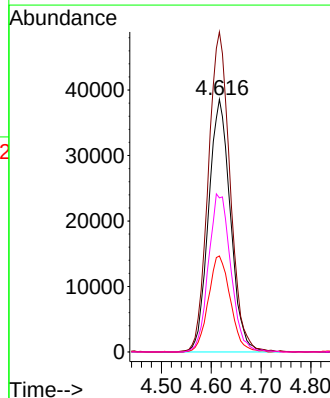
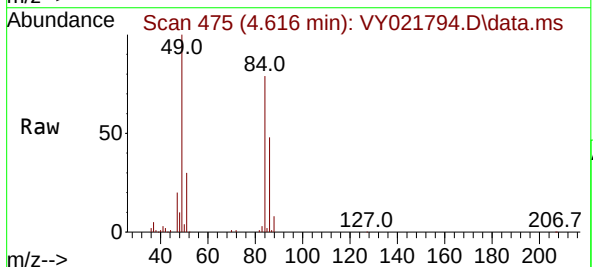
Ion Ratio Lower Upper

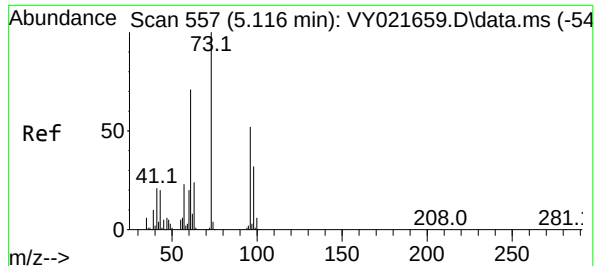
84 100

49 126.4 102.8 154.2

51 38.0 33.5 50.3

86 61.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.466 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 12324

Ion Ratio Lower Upper

96 100

61 128.9 109.4 164.0

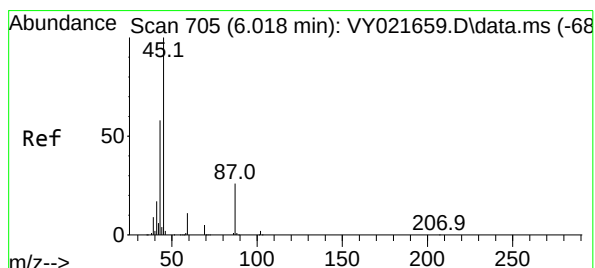
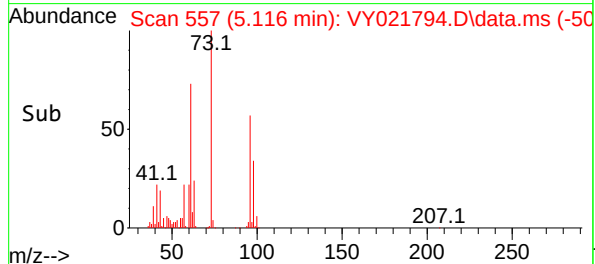
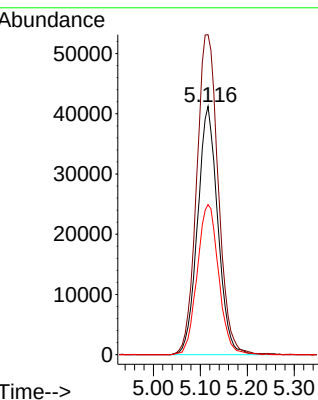
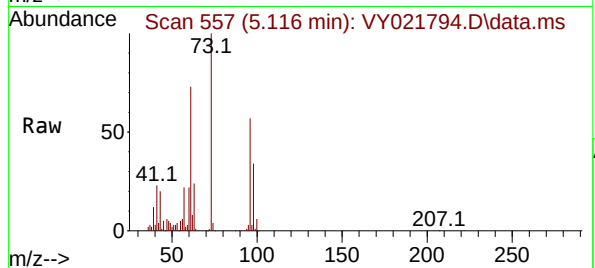
98 60.4 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#22

Diisopropyl ether

Concen: 47.619 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion: 45 Resp: 375600

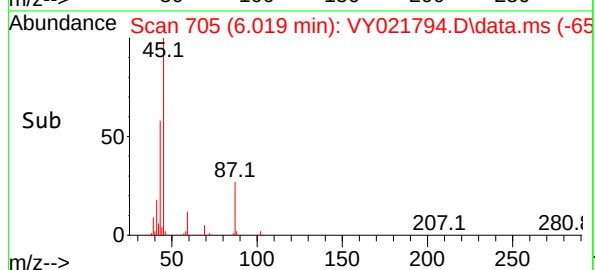
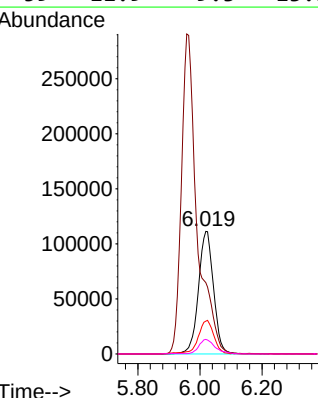
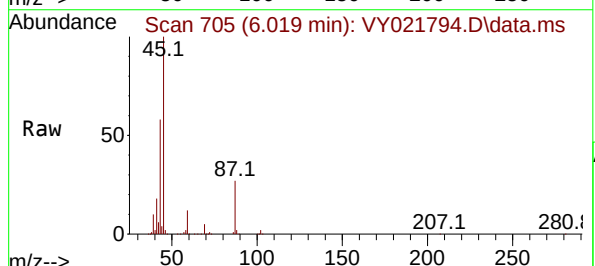
Ion Ratio Lower Upper

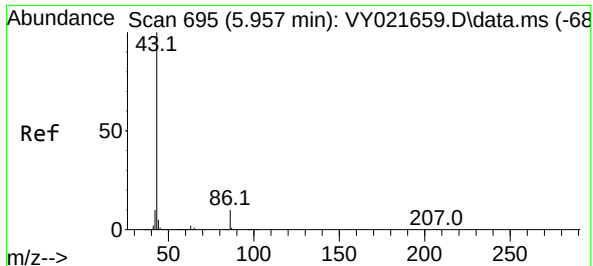
45 100

43 58.1 46.6 69.8

87 26.8 20.7 31.1

59 11.9 9.3 13.9





#23

Vinyl Acetate

Concen: 220.822 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1018930

Ion Ratio Lower Upper

43

100

86

10.1

8.2

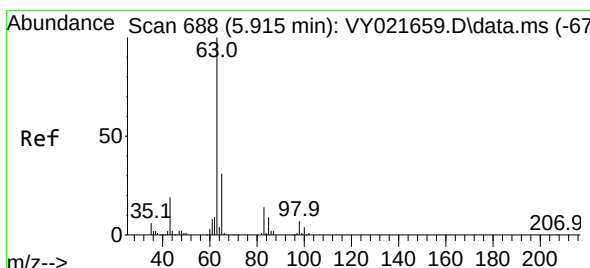
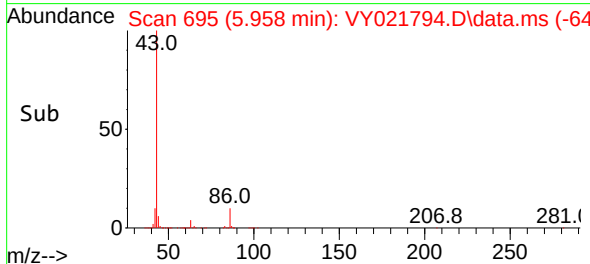
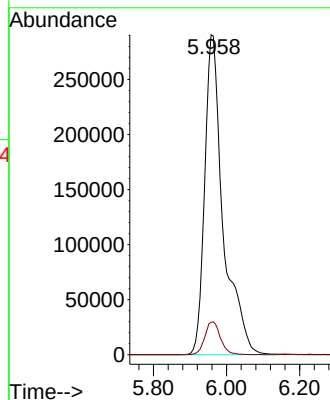
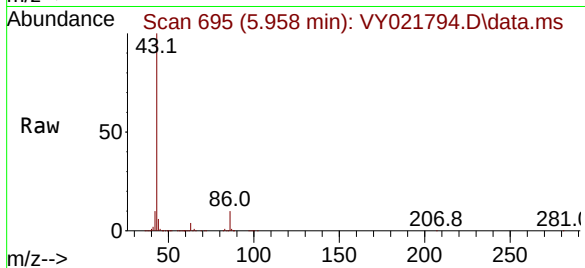
12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#24

1,1-Dichloroethane

Concen: 47.347 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 223308

Ion Ratio Lower Upper

63

100

98

7.2

3.5

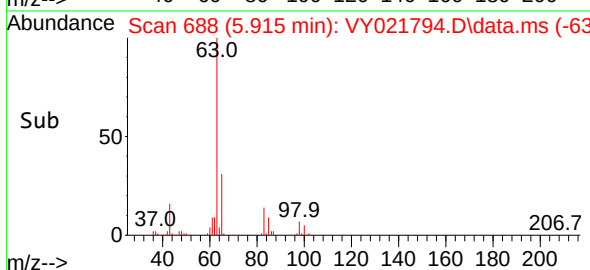
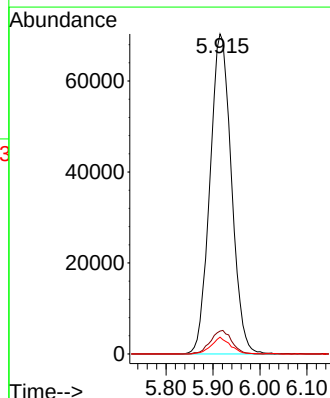
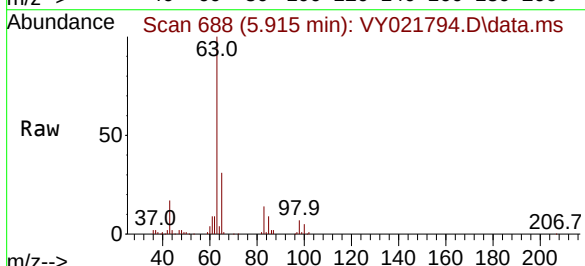
10.5

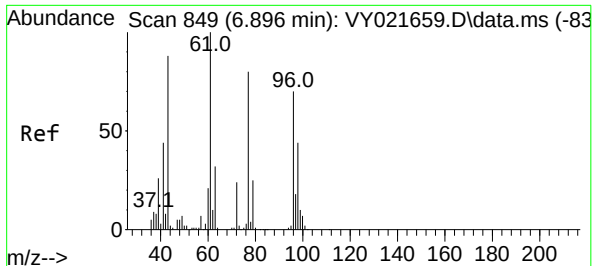
100

5.3

2.2

6.6





#25

2-Butanone

Concen: 229.196 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 16320

Ion Ratio Lower Upper

43 100

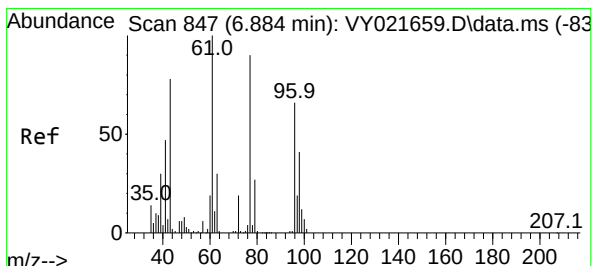
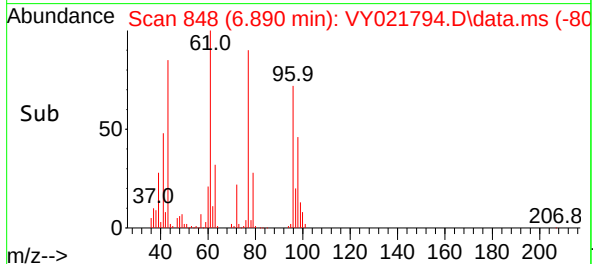
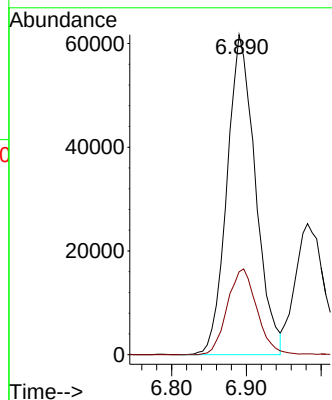
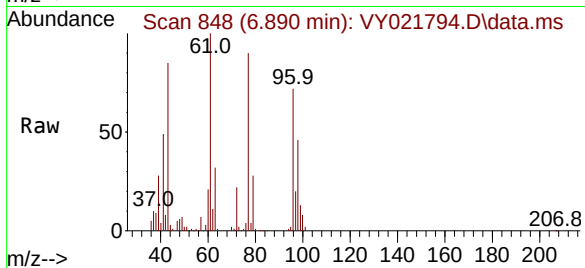
72 25.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#26

2,2-Dichloropropane

Concen: 48.250 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021794.D

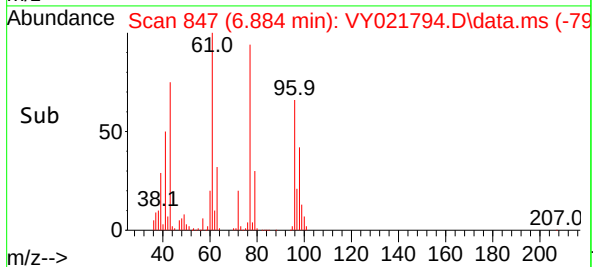
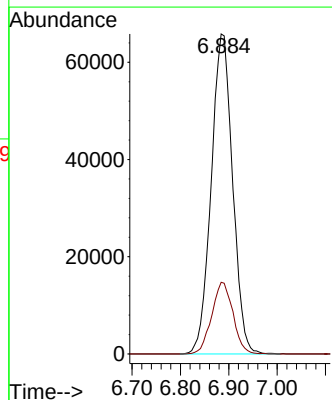
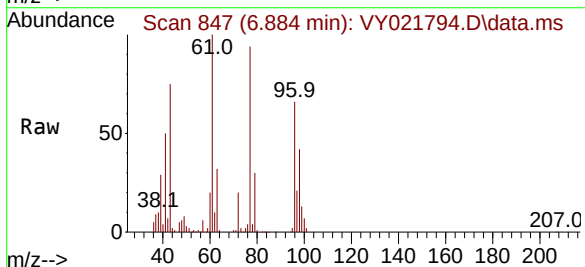
Acq: 07 Apr 2025 09:10

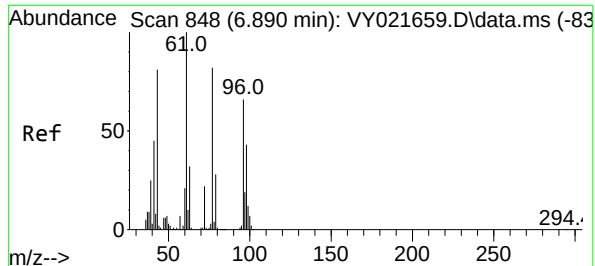
Tgt Ion: 77 Resp: 202427

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.992 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 14013

Ion Ratio Lower Upper

96 100

61 144.6 0.0 296.4

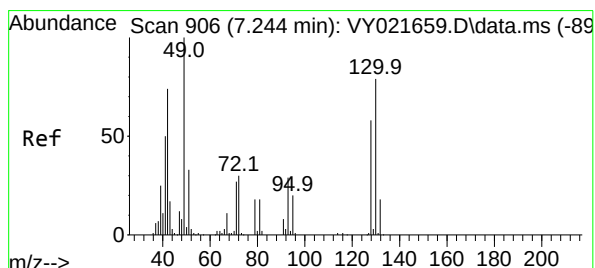
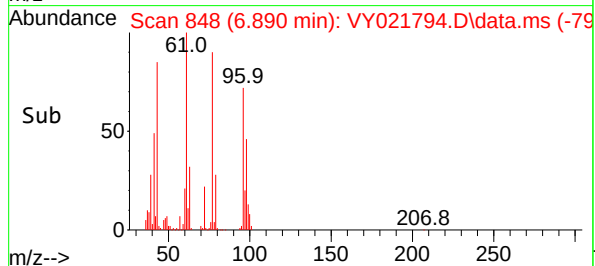
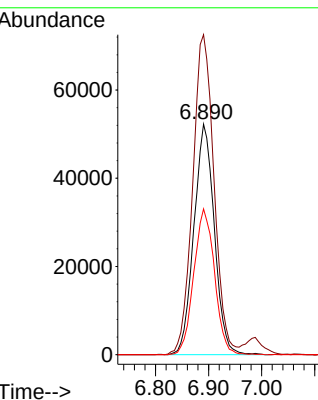
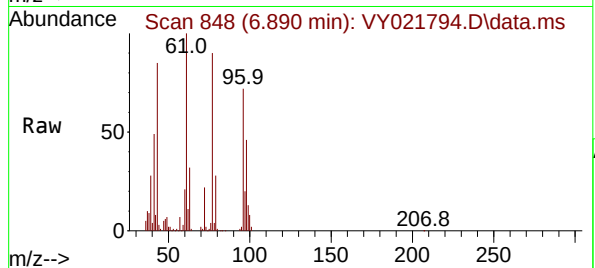
98 64.1 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#28

Bromochloromethane

Concen: 46.536 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

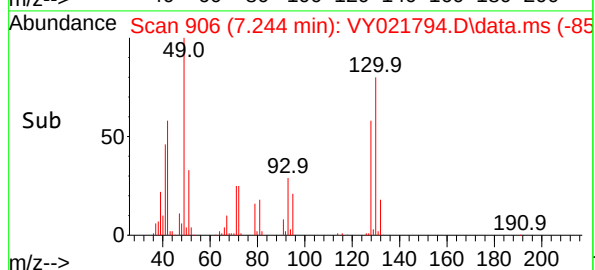
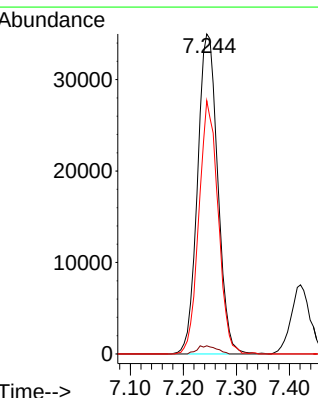
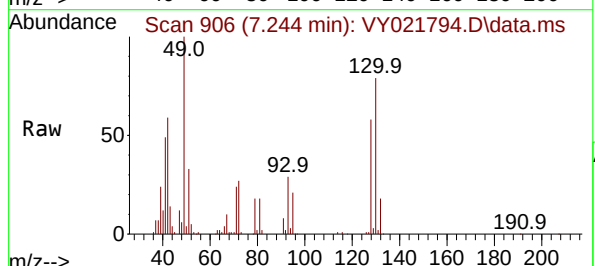
Tgt Ion: 49 Resp: 92565

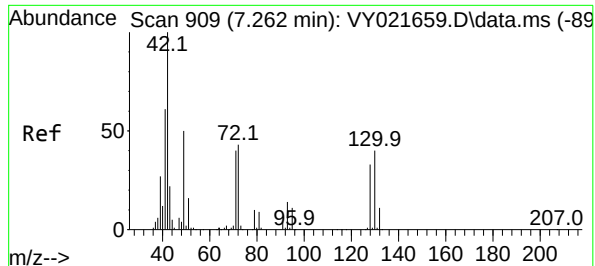
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

130 75.2 60.1 90.1





#29

Tetrahydrofuran

Concen: 215.053 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

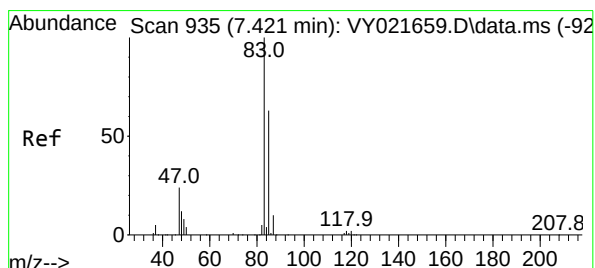
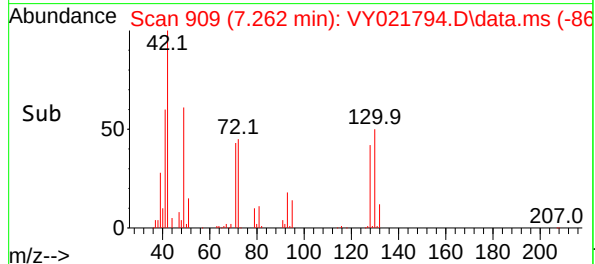
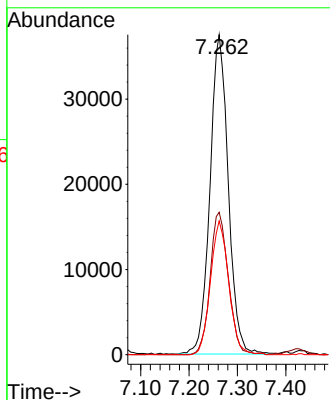
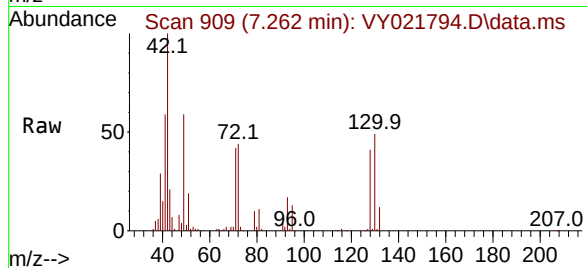
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	9855
Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	41.9	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#30

Chloroform

Concen: 47.595 ug/l

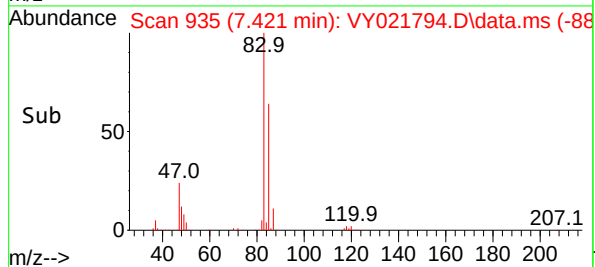
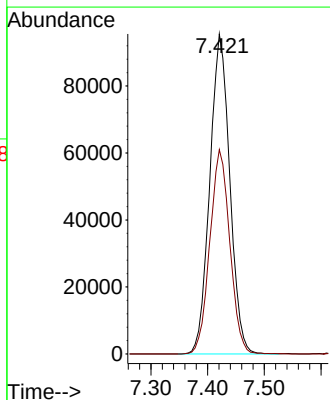
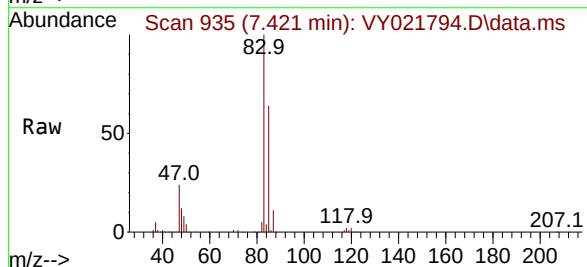
RT: 7.421 min Scan# 935

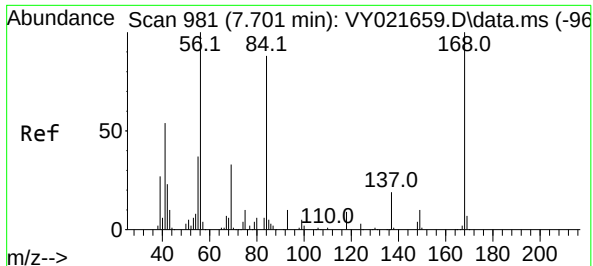
Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion:	83	Resp:	233479
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8





#31

Cyclohexane

Concen: 44.546 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 191520

Ion Ratio Lower Upper

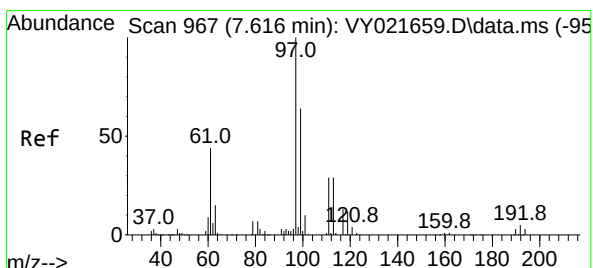
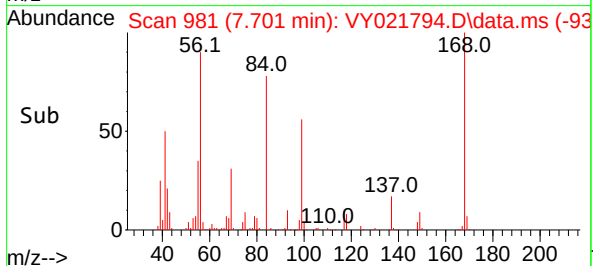
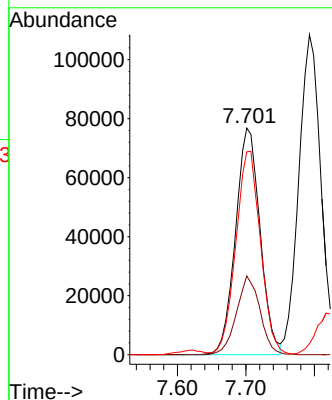
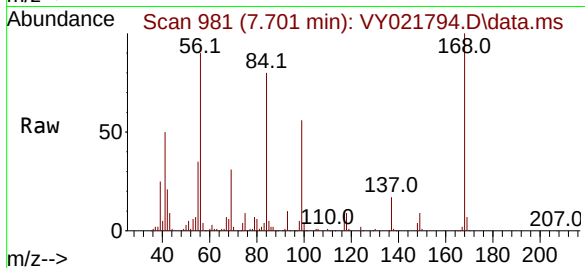
56 100

69 34.7 26.6 40.0

84 88.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#32

1,1,1-Trichloroethane

Concen: 47.227 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

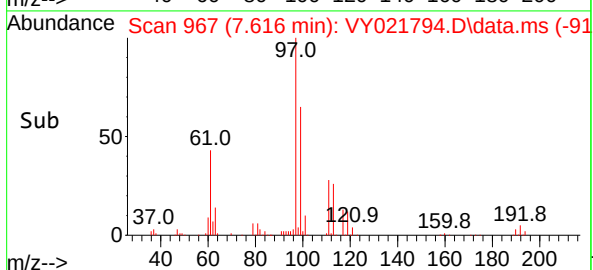
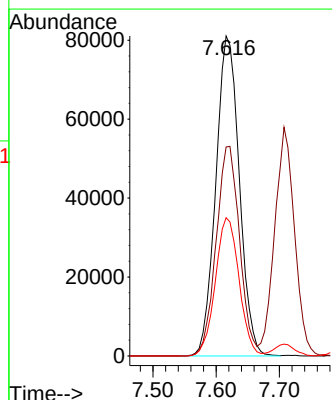
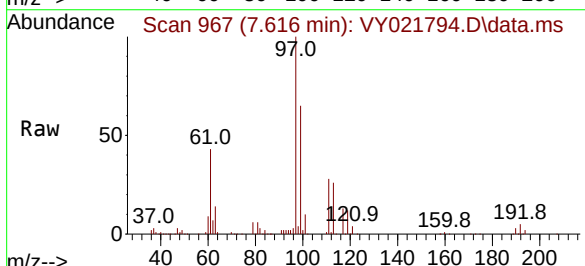
Tgt Ion: 97 Resp: 209391

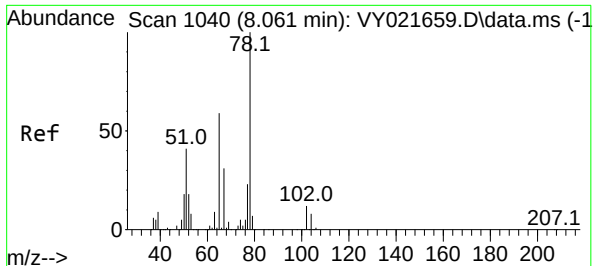
Ion Ratio Lower Upper

97 100

99 65.1 50.7 76.1

61 43.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 47.075 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 114675

Ion Ratio Lower Upper

65 100

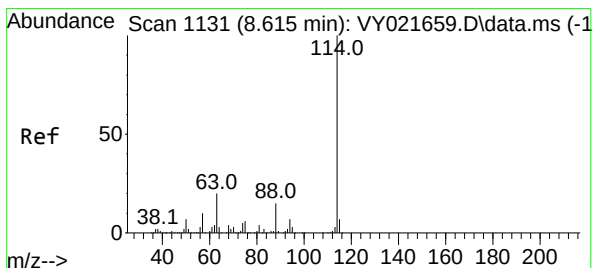
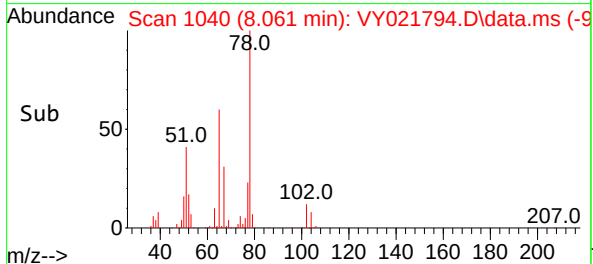
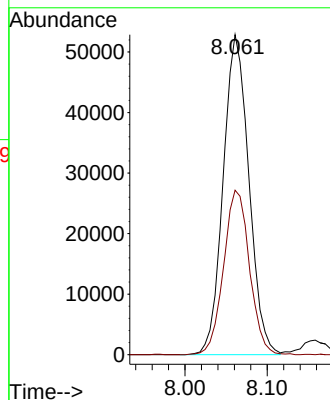
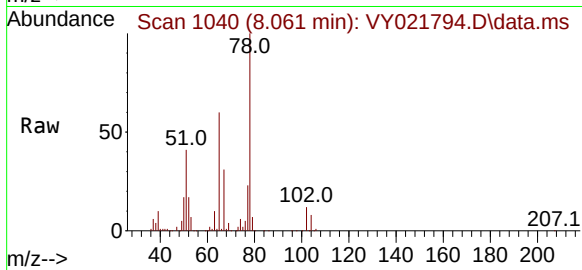
67 51.9 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

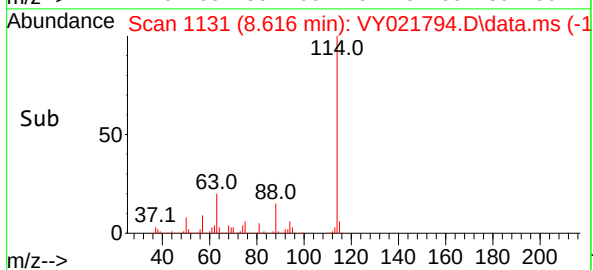
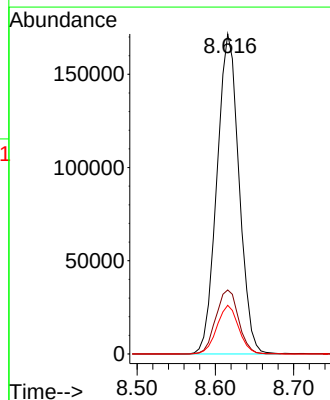
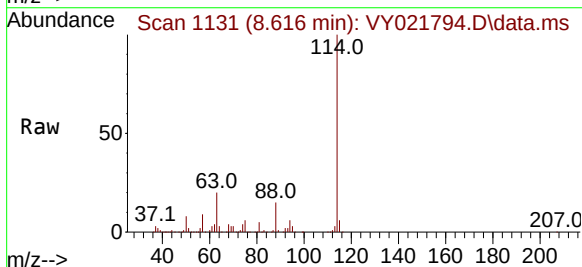
Tgt Ion:114 Resp: 336981

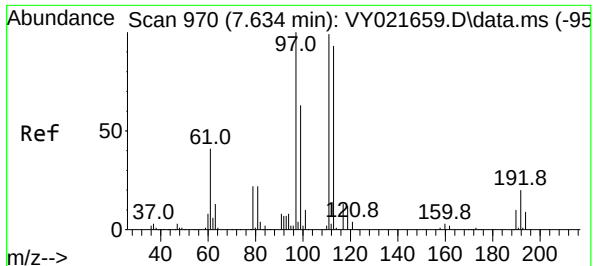
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.509 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 110409

Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

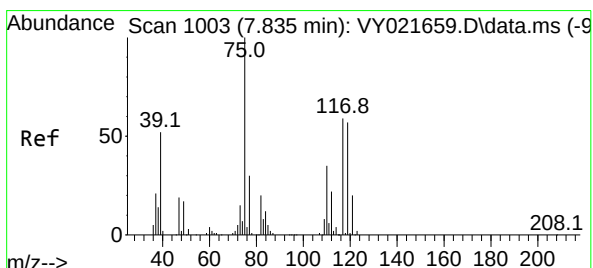
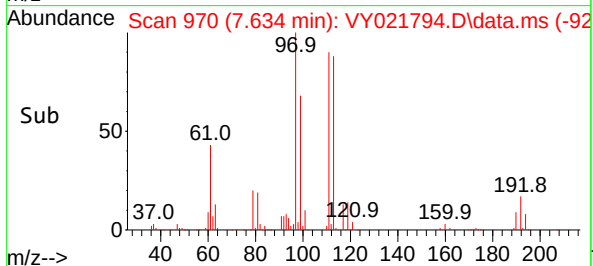
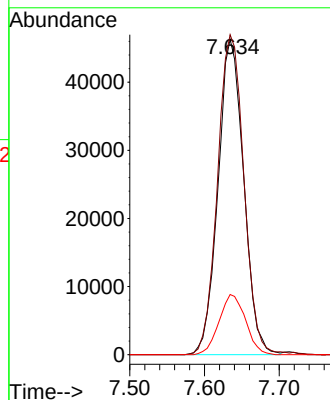
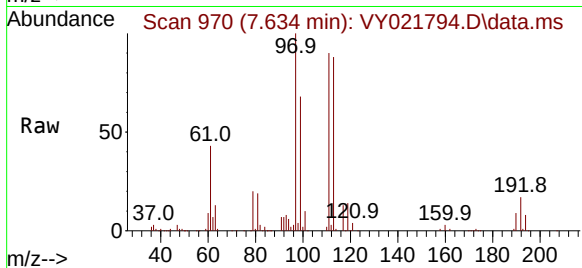
192 19.7 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#36

1,1-Dichloropropene

Concen: 50.545 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

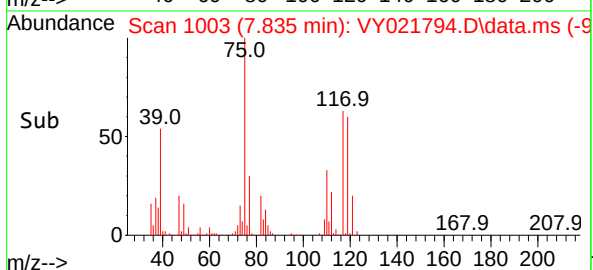
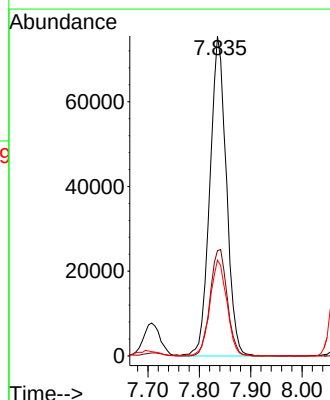
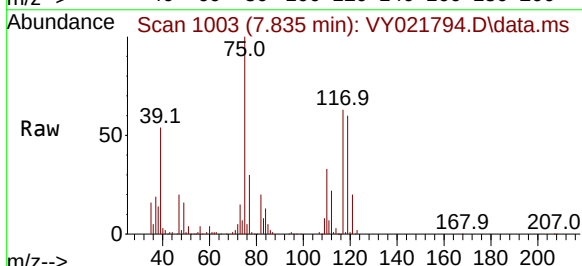
Tgt Ion: 75 Resp: 168291

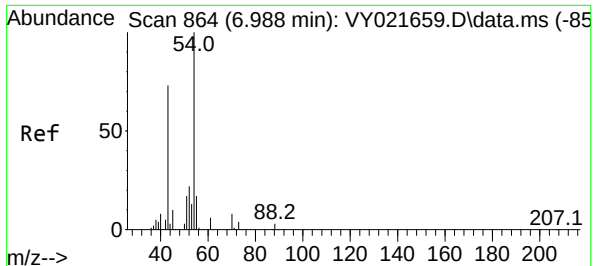
Ion Ratio Lower Upper

75 100

110 34.5 17.0 50.9

77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 44.251 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

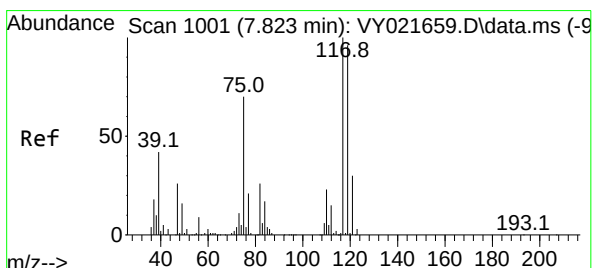
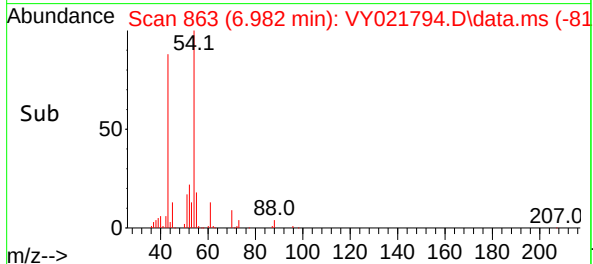
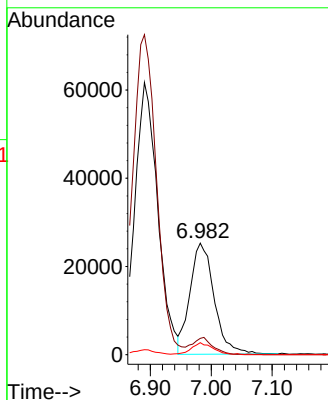
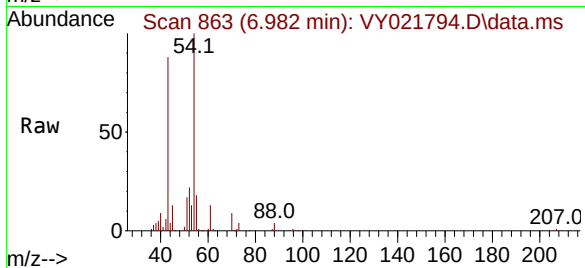
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	69534
Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.0	16.6
70	9.6	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#38

Carbon Tetrachloride

Concen: 50.753 ug/l

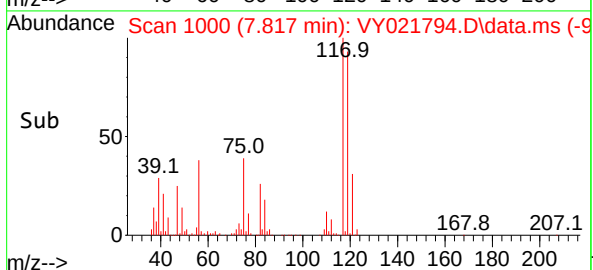
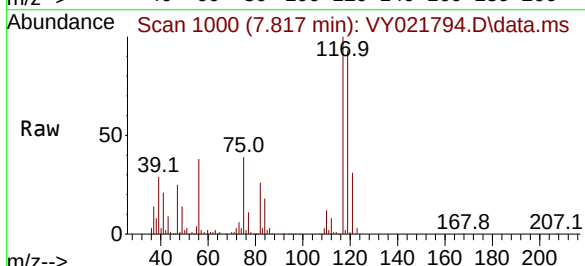
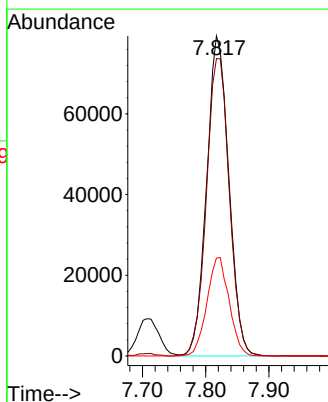
RT: 7.817 min Scan# 1000

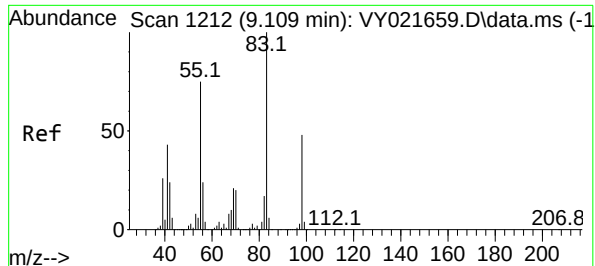
Delta R.T. -0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion:	117	Resp:	193545
Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.2	114.4
121	30.6	24.2	36.4





#39

Methylcyclohexane

Concen: 48.886 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 19444

Ion Ratio Lower Upper

83 100

55 74.9 59.7 89.5

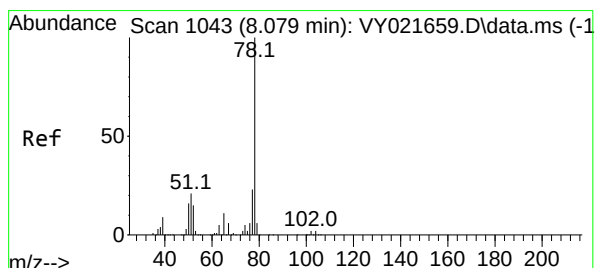
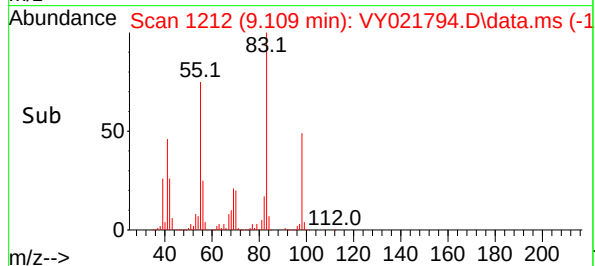
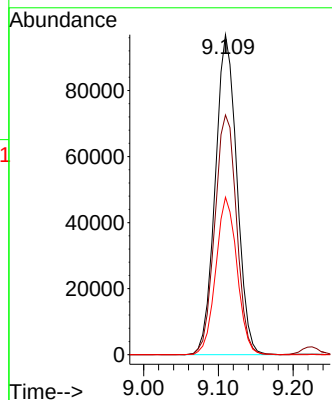
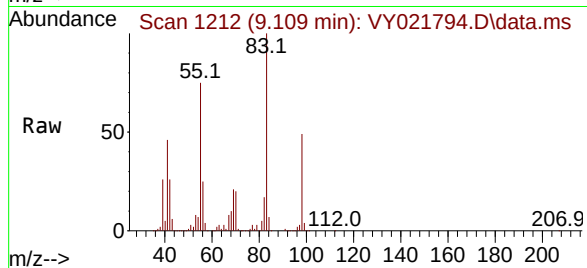
98 49.2 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#40

Benzene

Concen: 50.325 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021794.D

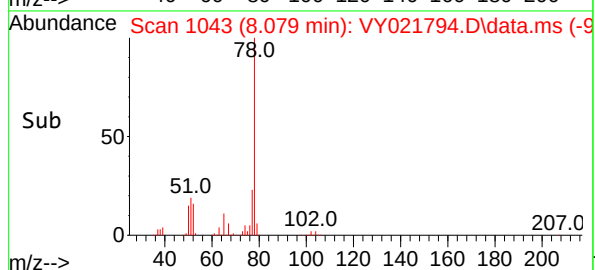
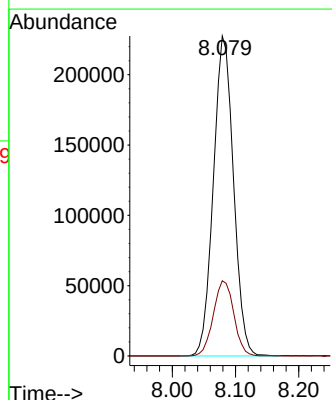
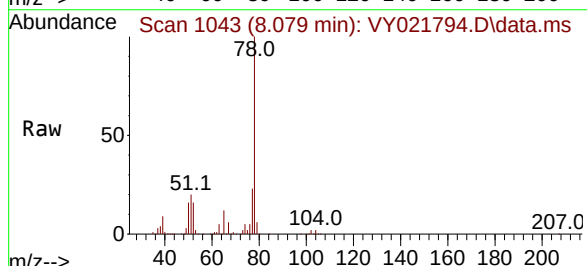
Acq: 07 Apr 2025 09:10

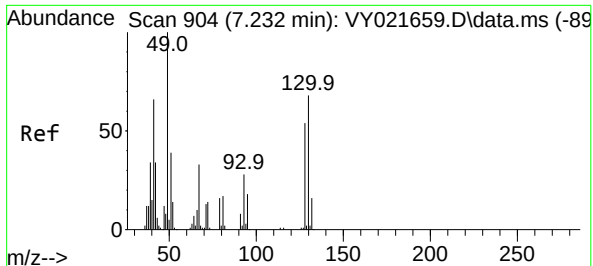
Tgt Ion: 78 Resp: 501796

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2





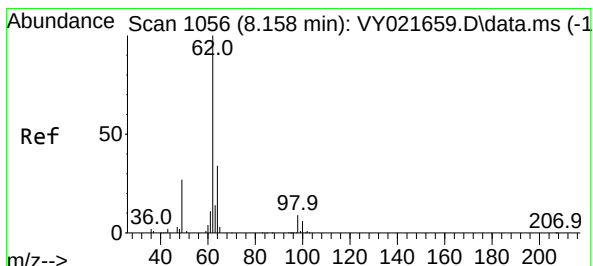
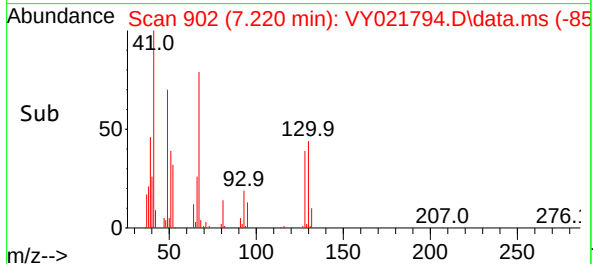
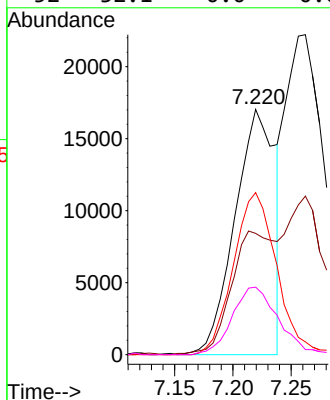
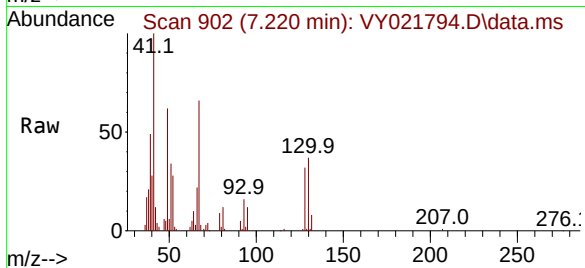
#41
Methacrylonitrile
Concen: 49.076 ug/l m
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 40954
Ion Ratio Lower Upper
41 100
39 55.1 0.0 0.0
67 71.1 0.0 0.0
52 32.1 0.0 0.0

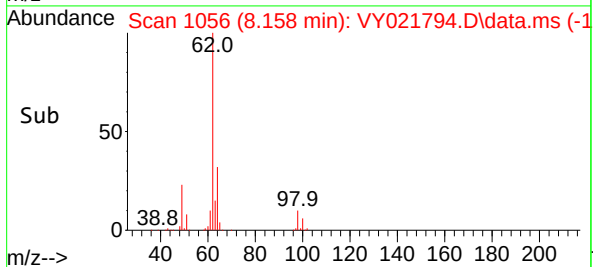
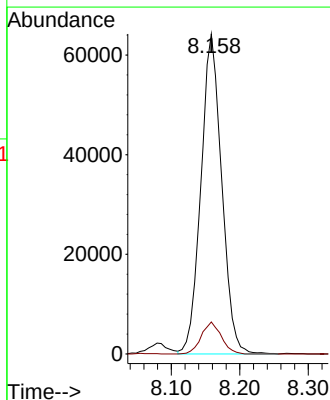
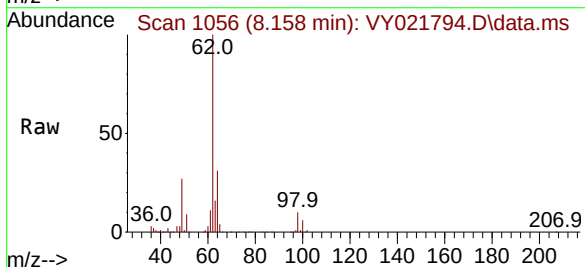
Manual Integrations
APPROVED

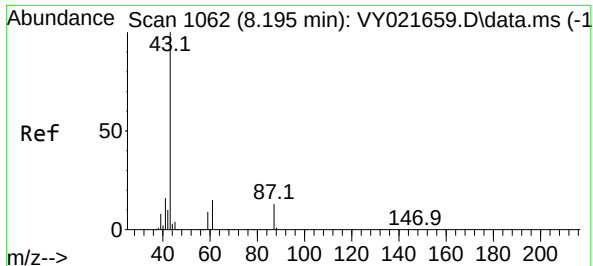
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#42
1,2-Dichloroethane
Concen: 48.260 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 62 Resp: 135660
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 44.885 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 133660

Ion Ratio Lower Upper

43 100

61 30.1 15.9 23.9

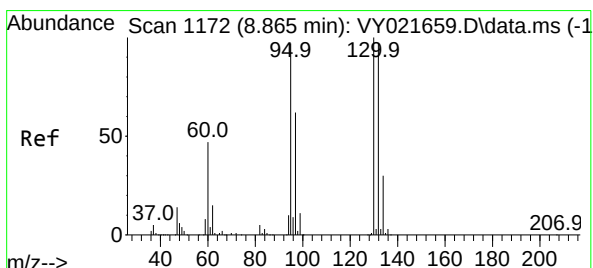
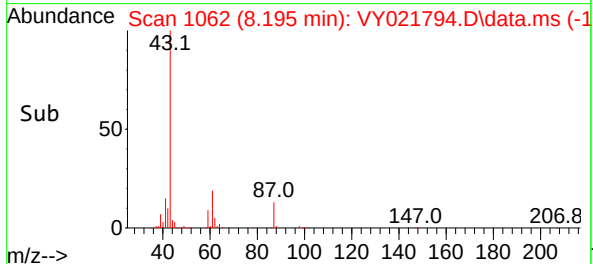
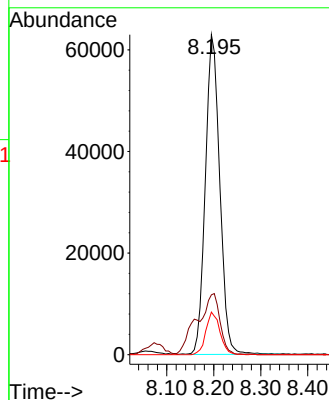
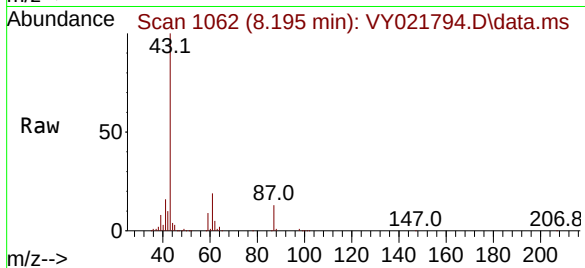
87 13.0 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#44

Trichloroethene

Concen: 51.817 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY021794.D

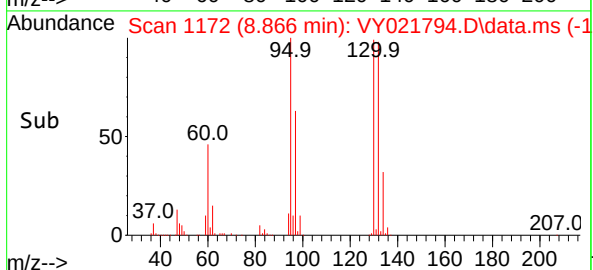
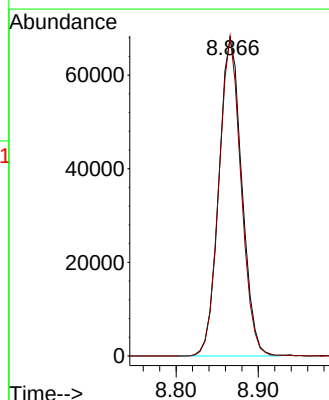
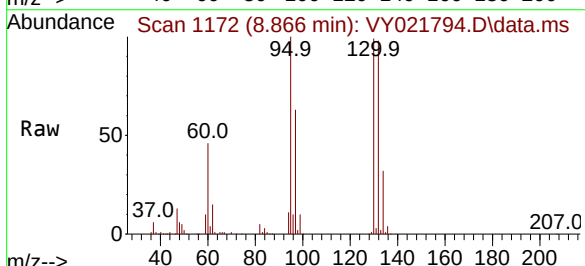
Acq: 07 Apr 2025 09:10

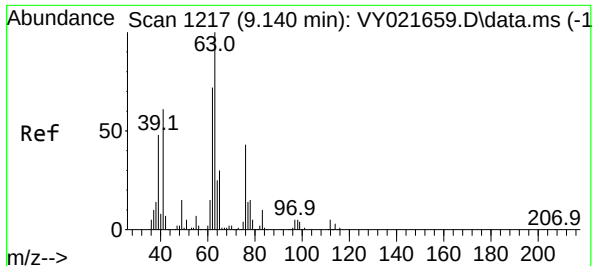
Tgt Ion:130 Resp: 131643

Ion Ratio Lower Upper

130 100

95 100.8 0.0 194.8





#45

1,2-Dichloropropane

Concen: 49.831 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 11761

Ion Ratio Lower Upper

63 100

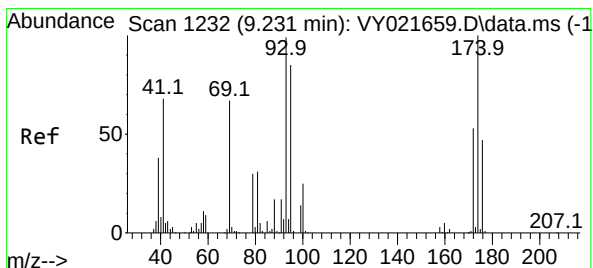
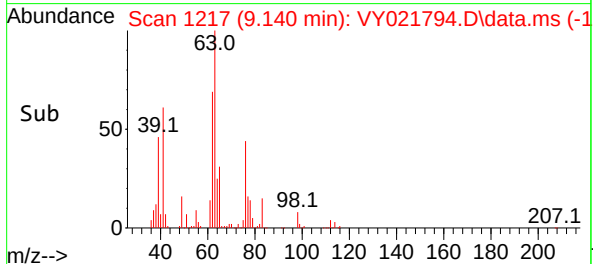
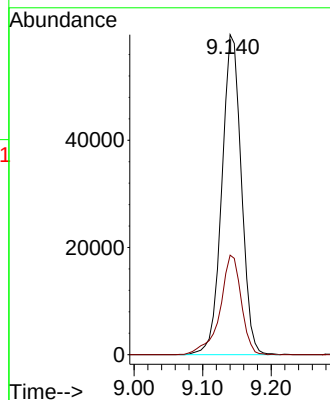
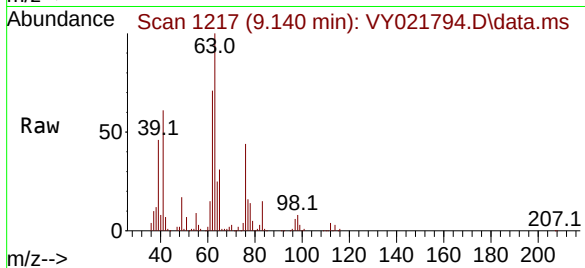
65 31.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#46

Dibromomethane

Concen: 48.034 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

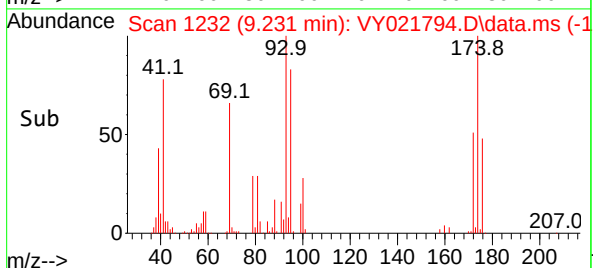
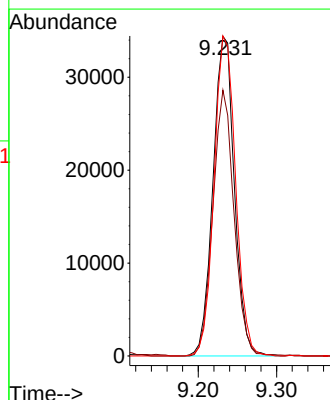
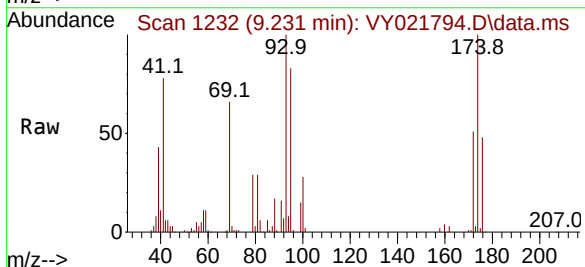
Tgt Ion: 93 Resp: 65338

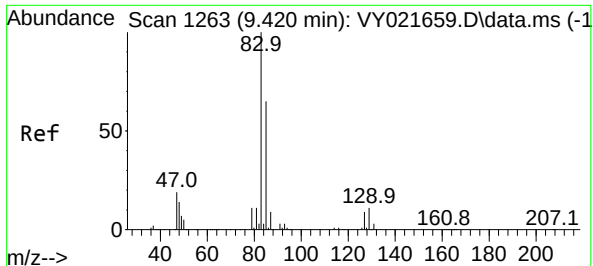
Ion Ratio Lower Upper

93 100

95 82.2 68.1 102.1

174 100.8 80.9 121.3





#47

Bromodichloromethane

Concen: 49.419 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

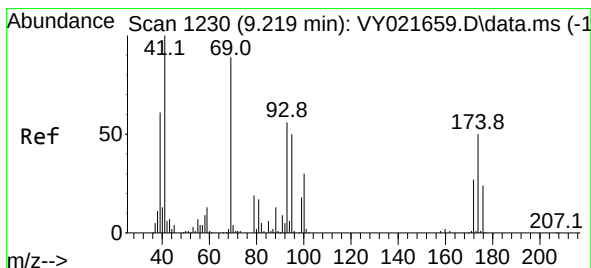
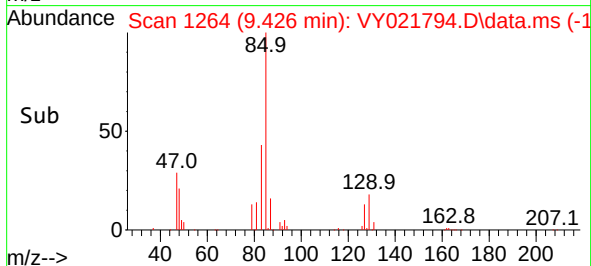
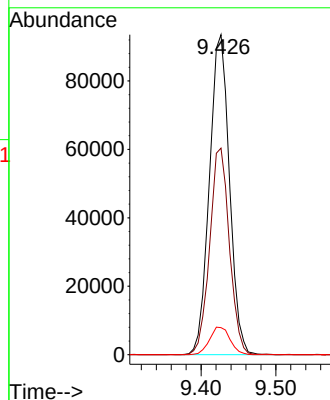
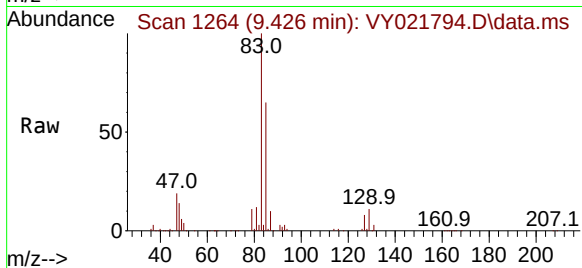
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	17418
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.5	6.8	10.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#48

Methyl methacrylate

Concen: 47.453 ug/l

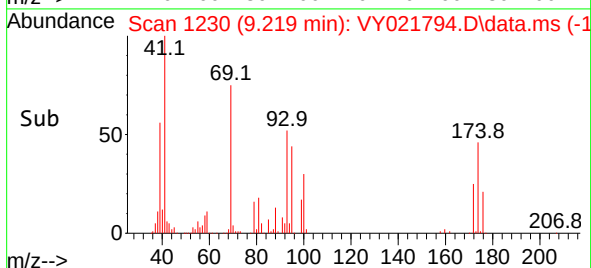
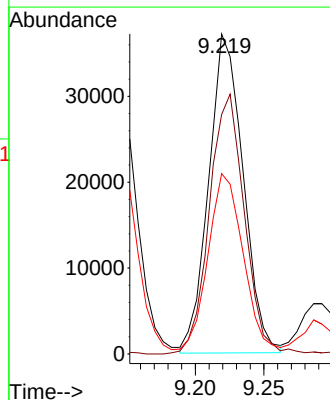
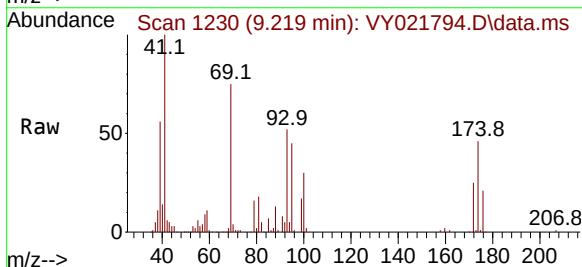
RT: 9.219 min Scan# 1230

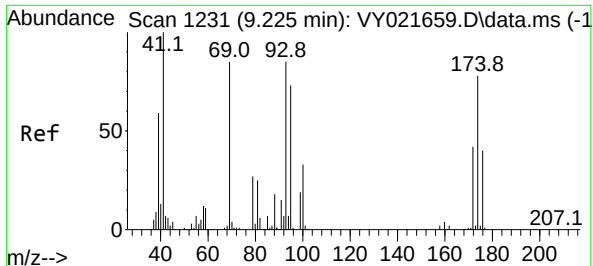
Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion:	41	Resp:	64853
Ion	Ratio	Lower	Upper
41	100		
69	83.0	69.8	104.8
39	55.7	47.2	70.8





#49

1,4-Dioxane

Concen: 936.467 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1364

Ion Ratio Lower Upper

88 100

43 36.4 28.8 43.2

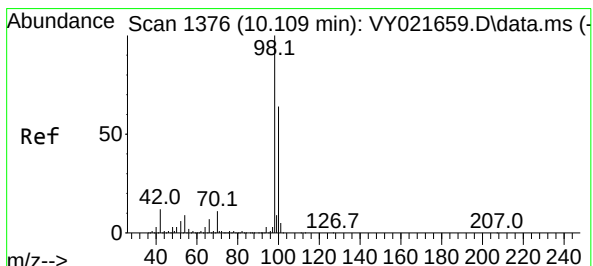
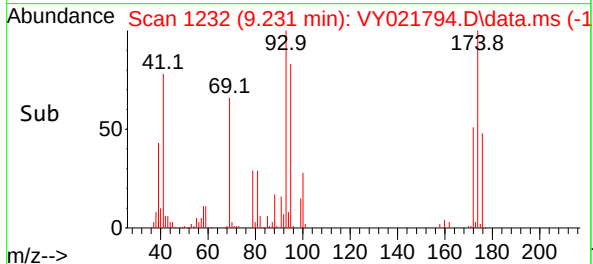
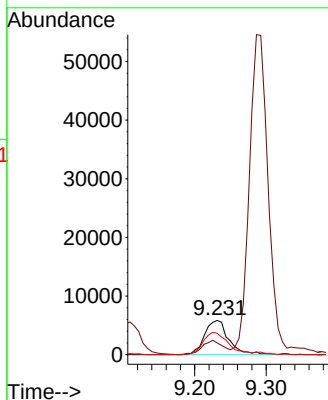
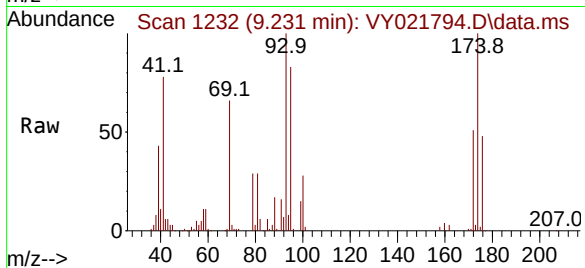
58 68.3 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#50

Toluene-d8

Concen: 51.740 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021794.D

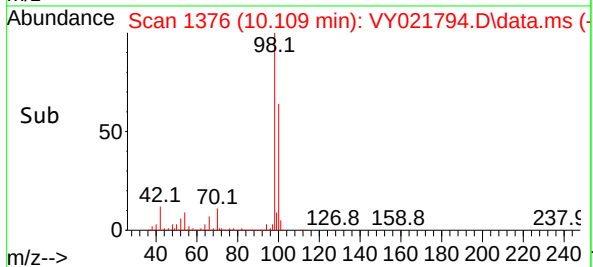
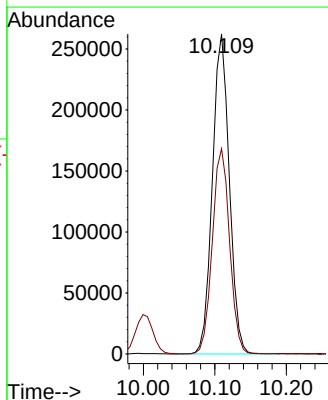
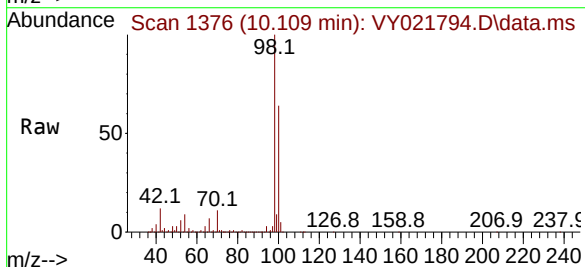
Acq: 07 Apr 2025 09:10

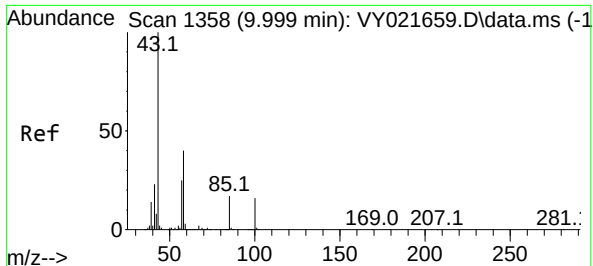
Tgt Ion: 98 Resp: 430269

Ion Ratio Lower Upper

98 100

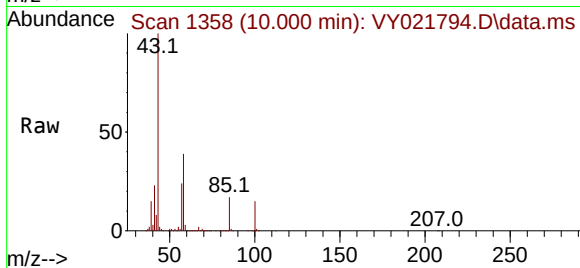
100 65.4 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 232.887 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

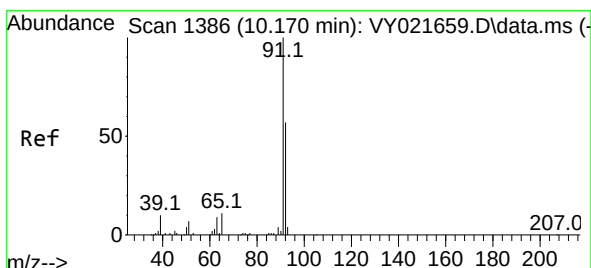
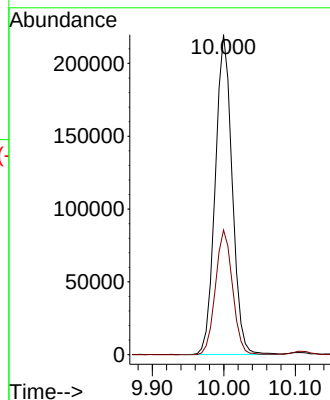
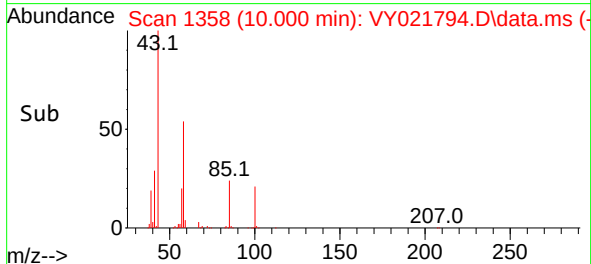
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



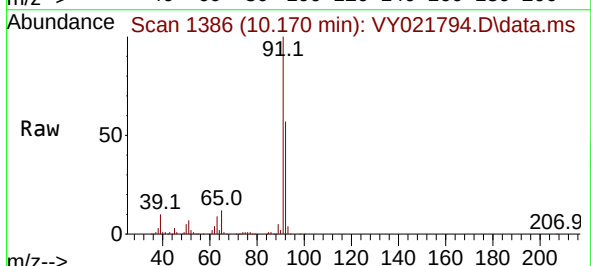
Tgt Ion: 43 Resp: 36089
Ion Ratio Lower Upper
43 100
58 39.2 31.5 47.3

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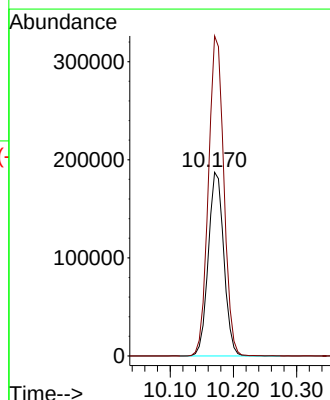
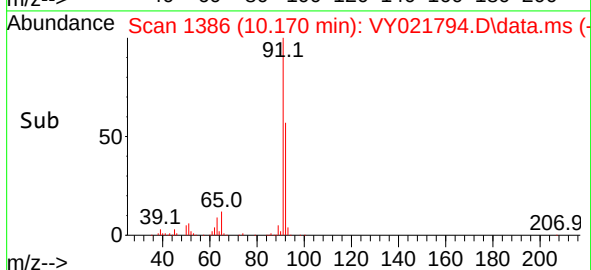
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

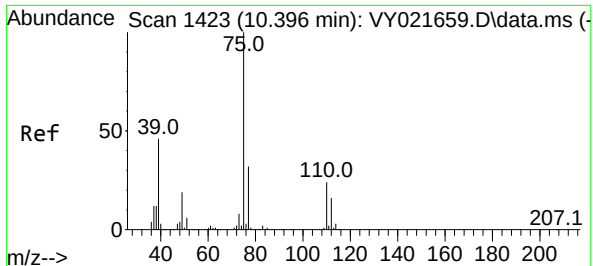


#52
Toluene
Concen: 51.304 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



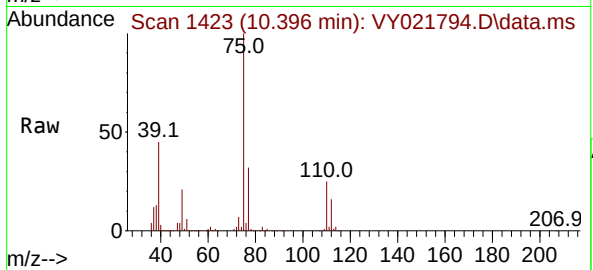
Tgt Ion: 92 Resp: 319169
Ion Ratio Lower Upper
92 100
91 173.5 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 49.804 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

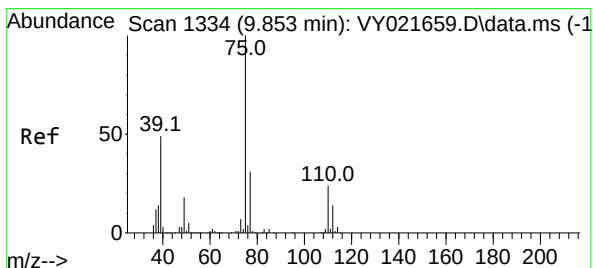
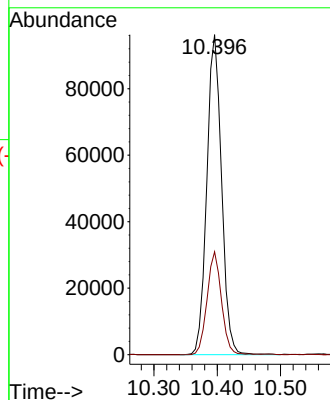
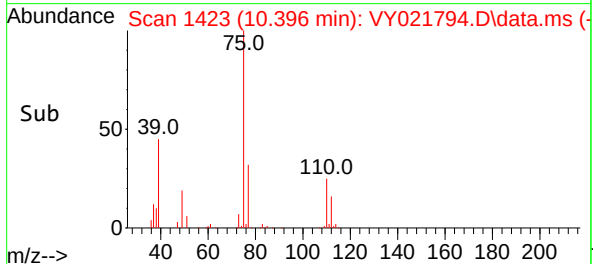
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 155920
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9

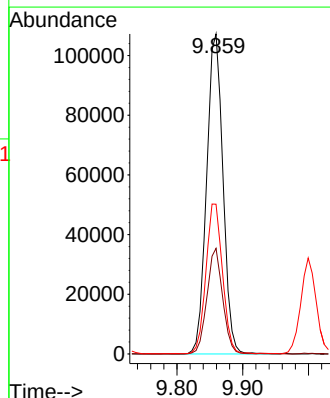
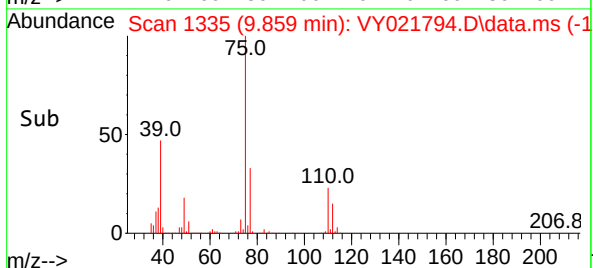
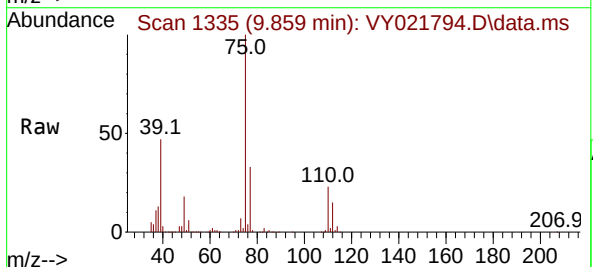
Manual Integrations
APPROVED

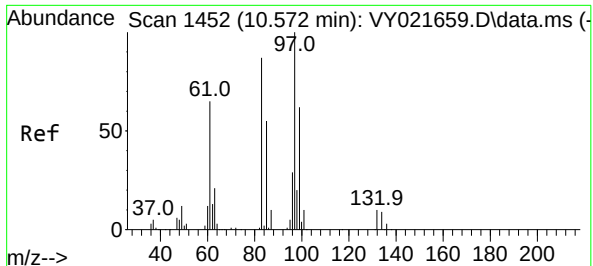
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#54
cis-1,3-Dichloropropene
Concen: 50.219 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 185476
Ion Ratio Lower Upper
75 100
77 33.0 24.9 37.3
39 46.7 39.2 58.8





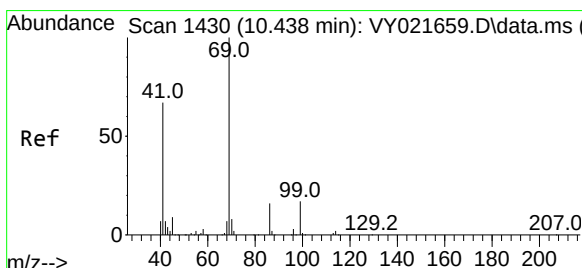
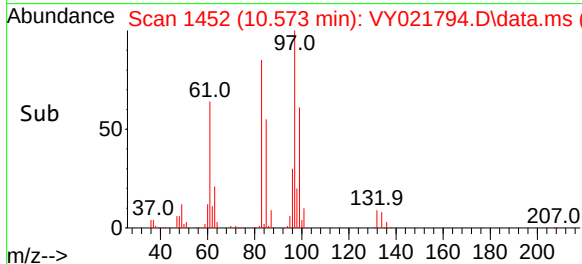
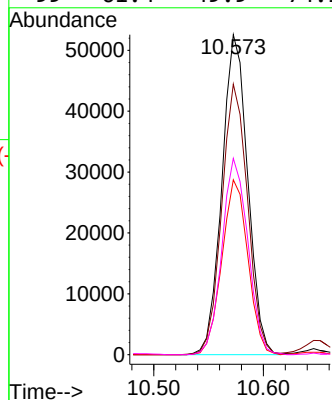
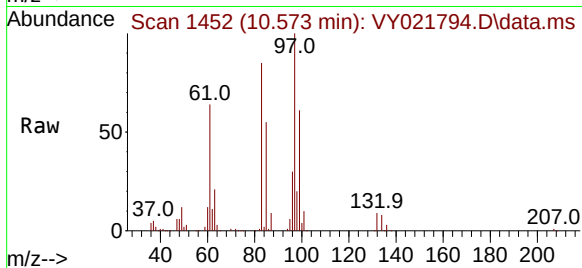
#55
1,1,2-Trichloroethane
Concen: 49.131 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:	97	Resp:	86004
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.5	104.3
85	54.6	43.9	65.9
99	61.4	49.9	74.9

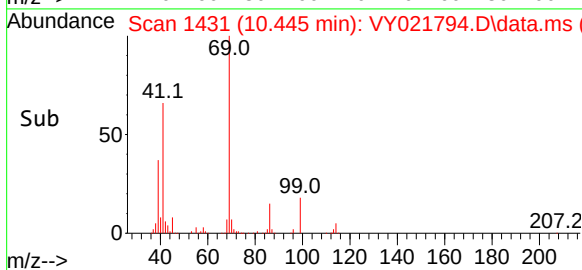
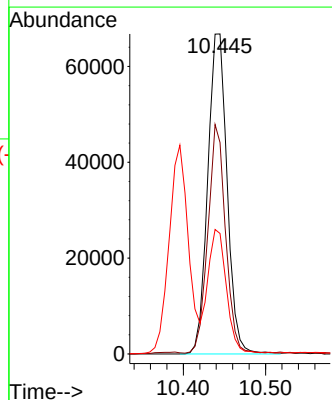
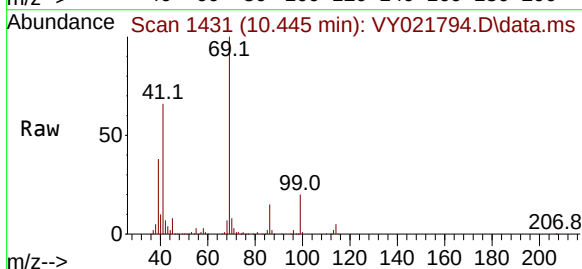
Manual Integrations
APPROVED

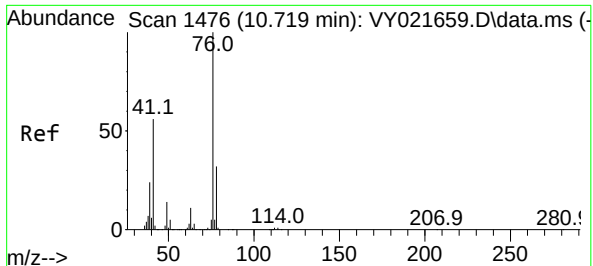
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#56
Ethyl methacrylate
Concen: 48.850 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

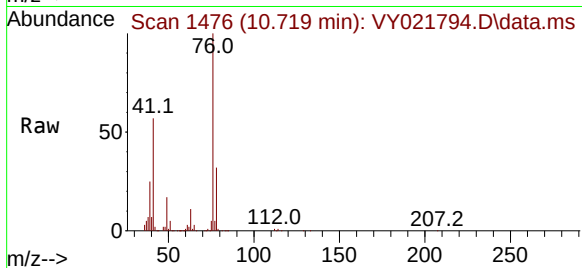
Tgt Ion:	69	Resp:	109189
Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.8	80.6
39	36.8	29.6	44.4





#57
1,3-Dichloropropane
Concen: 49.319 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

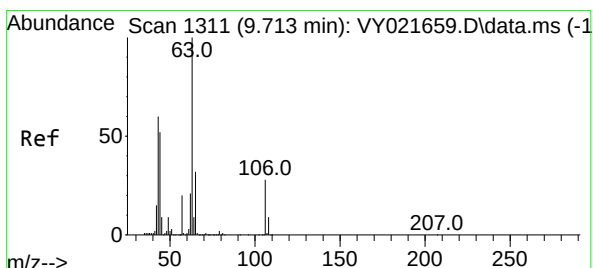
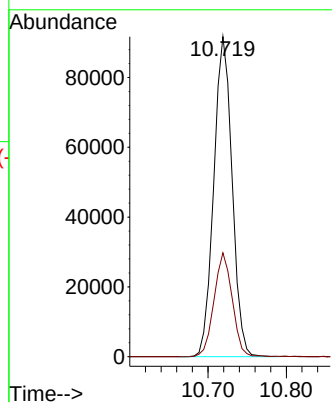
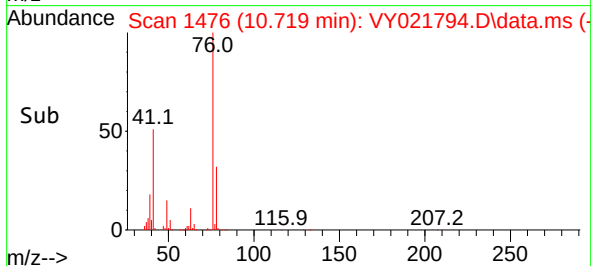
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 149100
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.8

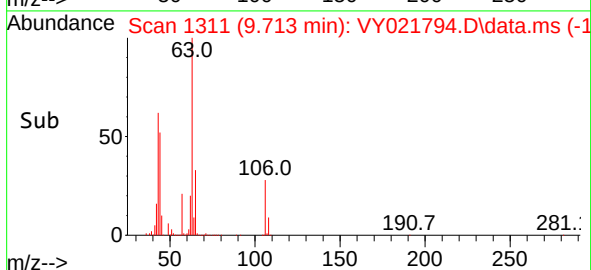
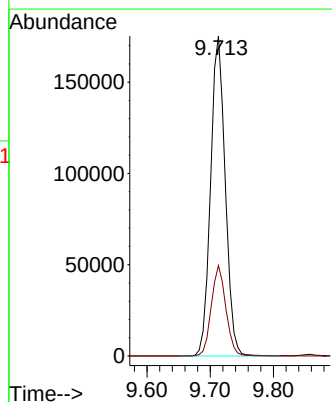
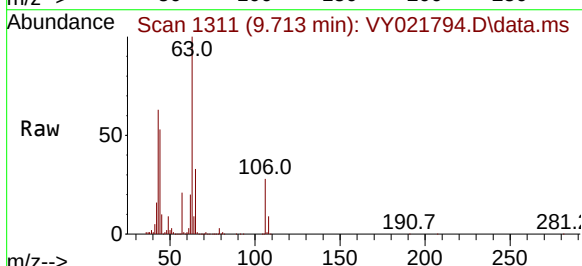
Manual Integrations
APPROVED

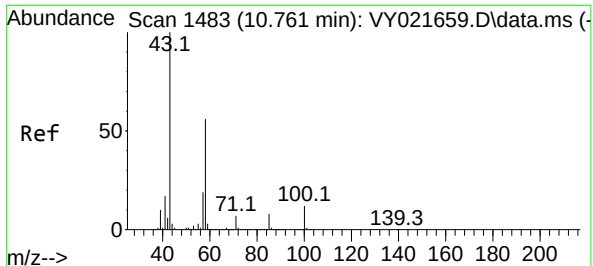
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#58
2-Chloroethyl Vinyl ether
Concen: 258.748 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 282136
Ion Ratio Lower Upper
63 100
106 28.0 22.4 33.6





#59

2-Hexanone

Concen: 243.444 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 251244

Ion Ratio Lower Upper

43 100

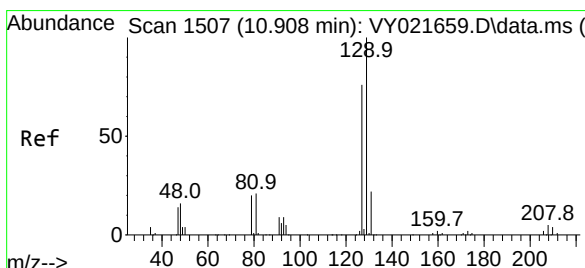
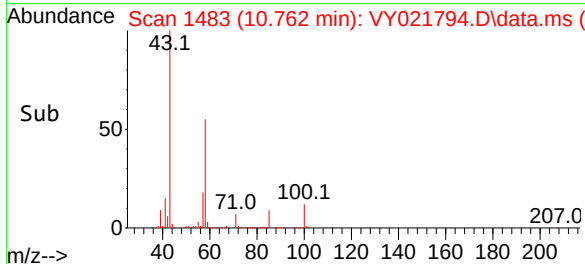
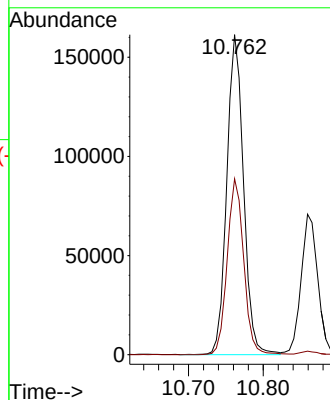
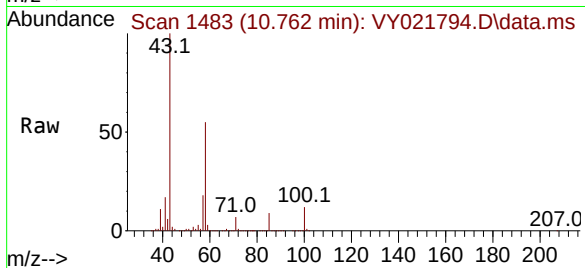
58 54.3 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#60

Dibromochloromethane

Concen: 49.743 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021794.D

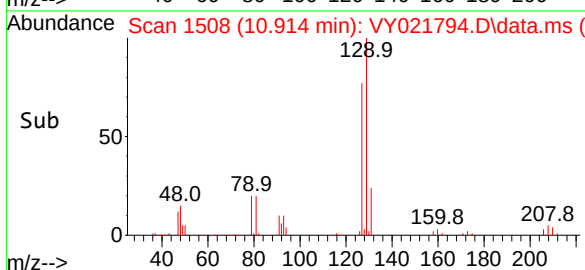
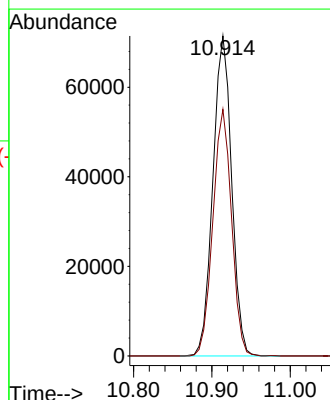
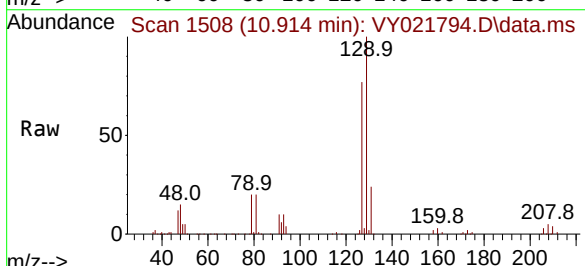
Acq: 07 Apr 2025 09:10

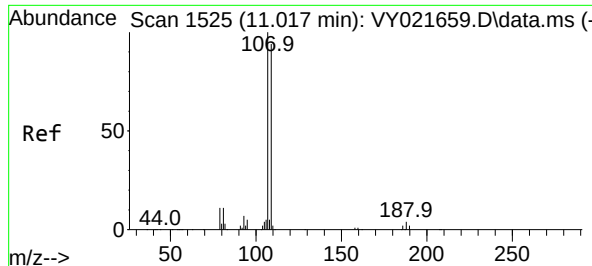
Tgt Ion:129 Resp: 118885

Ion Ratio Lower Upper

129 100

127 76.6 38.6 115.7





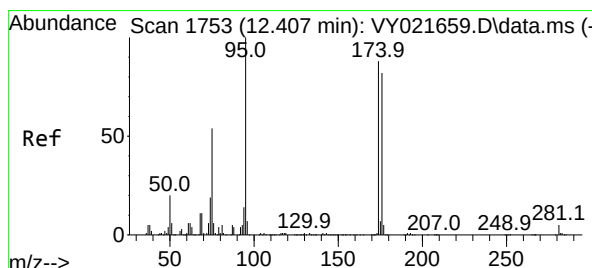
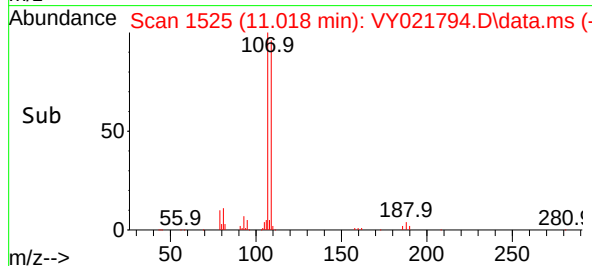
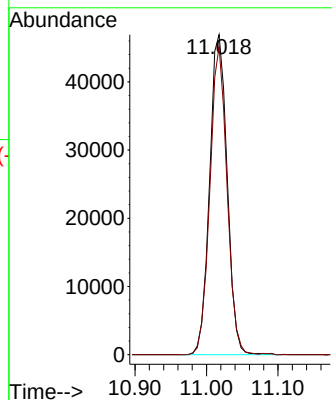
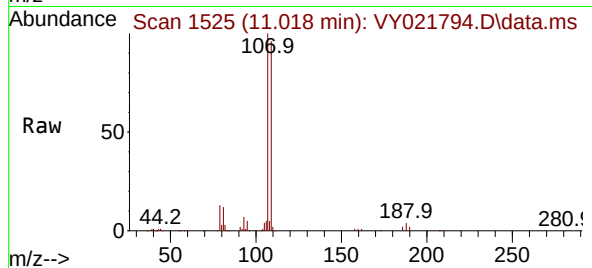
#61
1,2-Dibromoethane
Concen: 48.727 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 80014
Ion Ratio Lower Upper
107 100
109 93.7 74.4 111.6

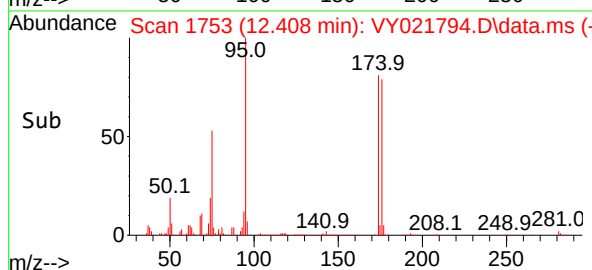
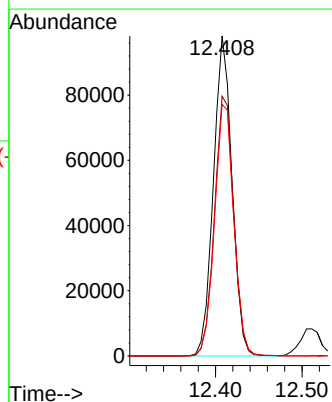
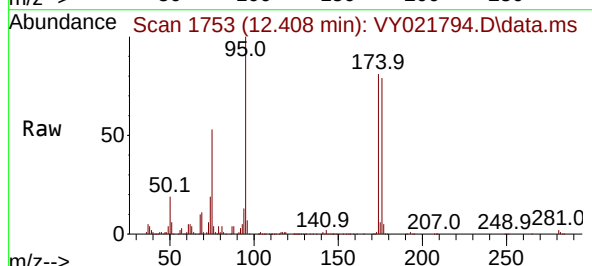
Manual Integrations
APPROVED

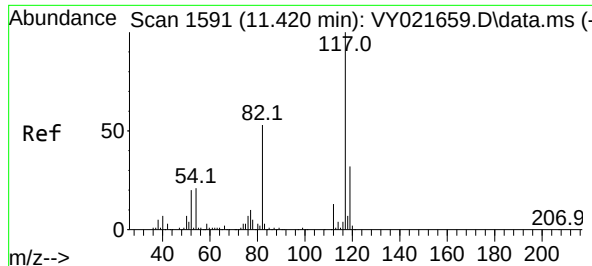
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#62
4-Bromofluorobenzene
Concen: 51.914 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

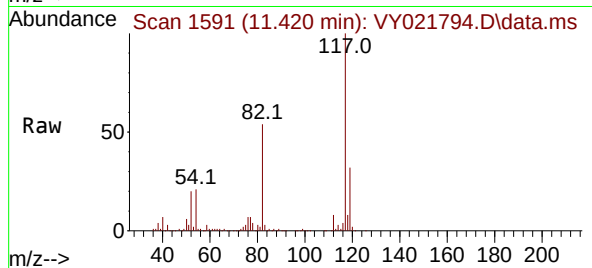
Tgt Ion: 95 Resp: 146026
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.8
176 81.5 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

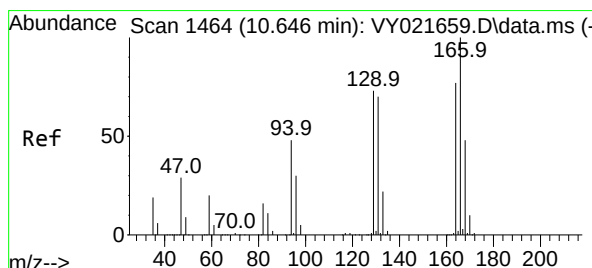
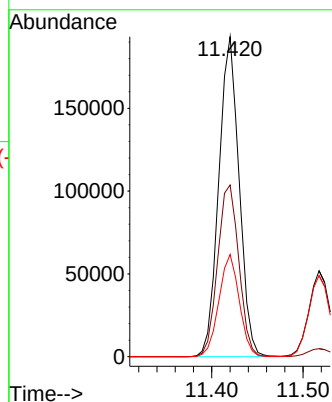
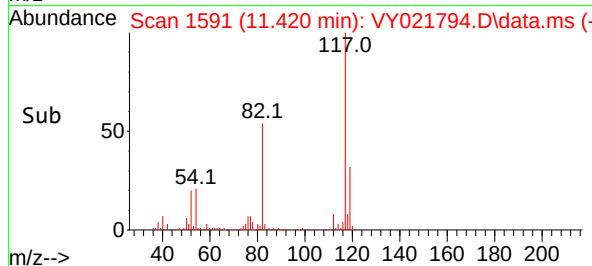
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



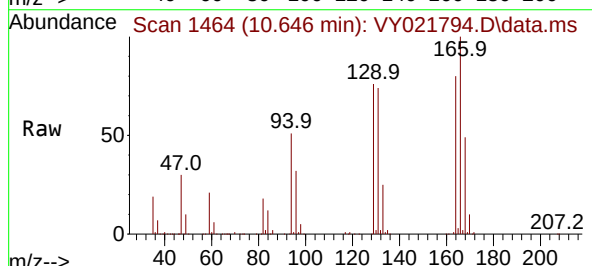
Tgt Ion:117 Resp: 29881
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 31.9 25.7 38.5

Manual Integrations
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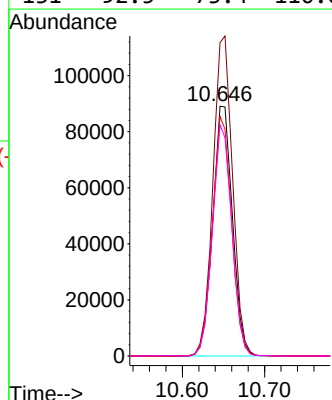
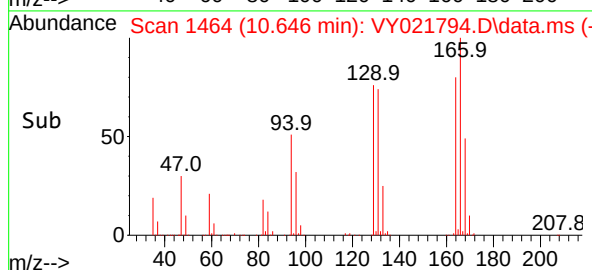
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

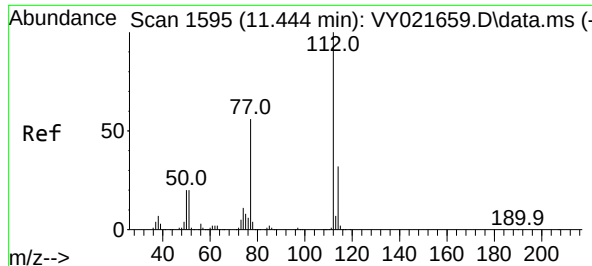


#64
Tetrachloroethene
Concen: 54.654 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



Tgt Ion:164 Resp: 148740
Ion Ratio Lower Upper
164 100
166 125.4 104.6 156.8
129 95.9 76.6 114.8
131 92.5 73.4 110.0





#65

Chlorobenzene

Concen: 49.923 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 34196

Ion Ratio Lower Upper

112 100

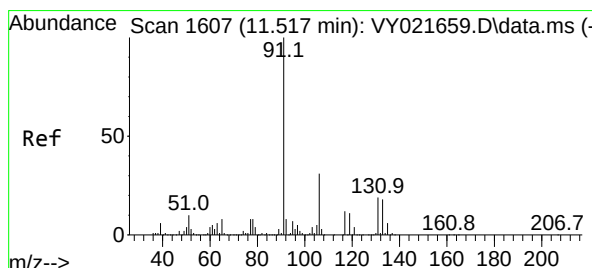
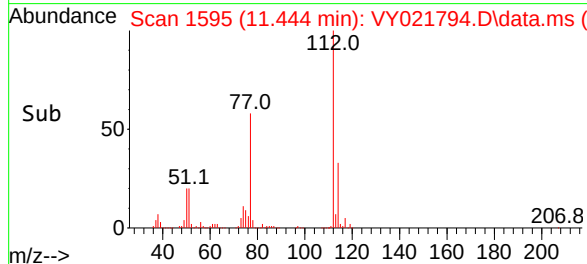
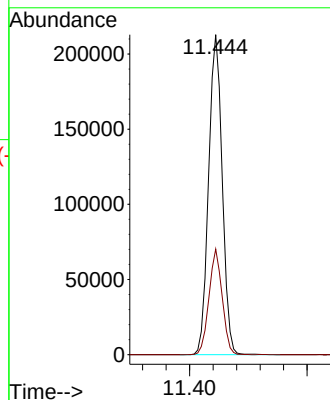
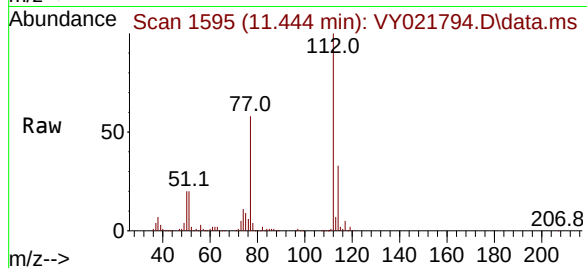
114 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 49.897 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

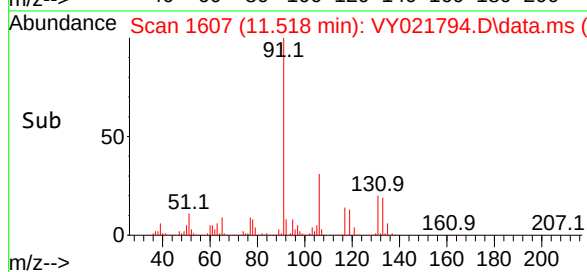
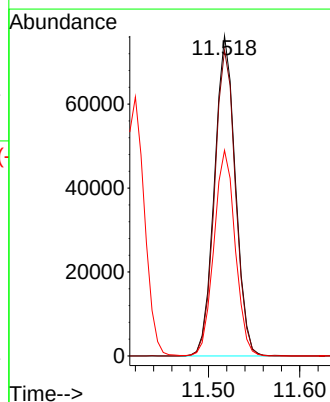
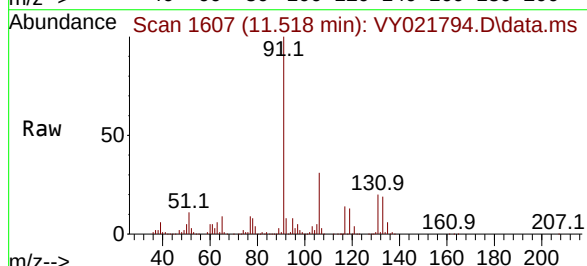
Tgt Ion:131 Resp: 121265

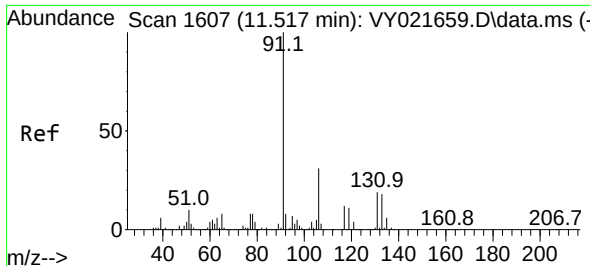
Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.8

119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 51.687 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 60710

Ion Ratio Lower Upper

91 100

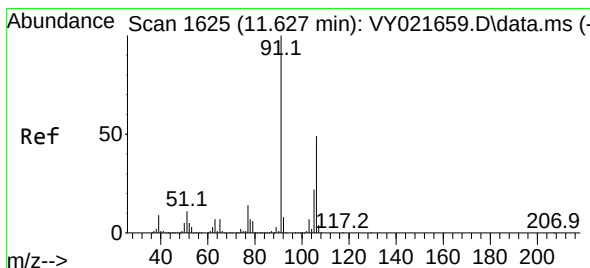
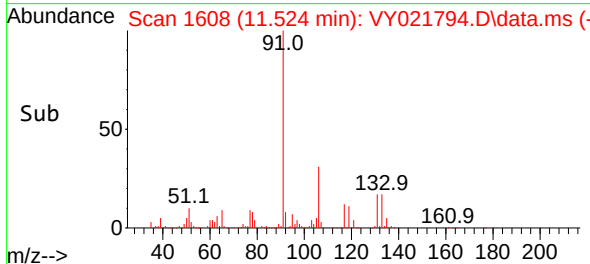
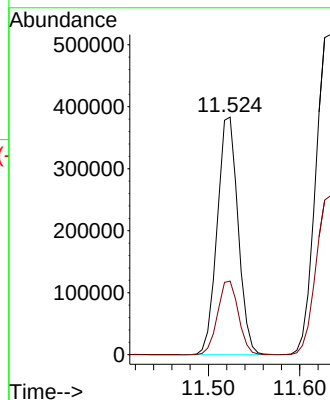
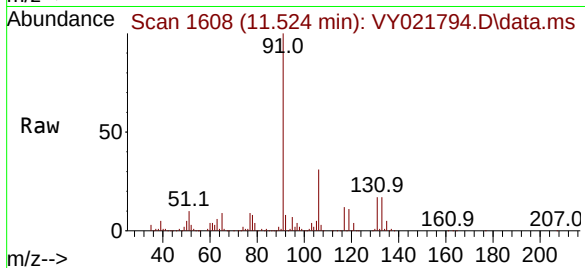
106 31.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#68

m/p-Xylenes

Concen: 103.887 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021794.D

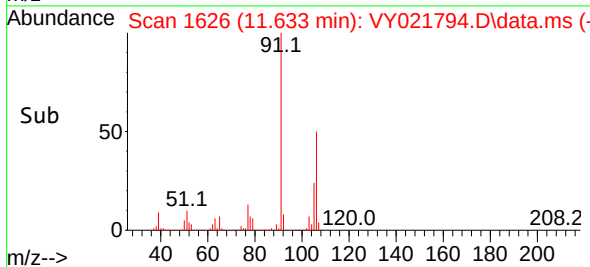
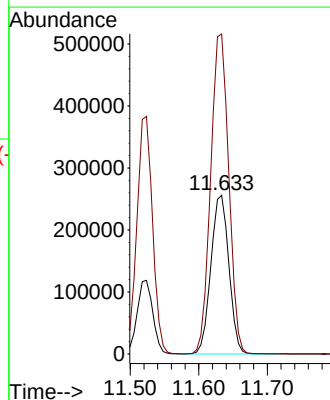
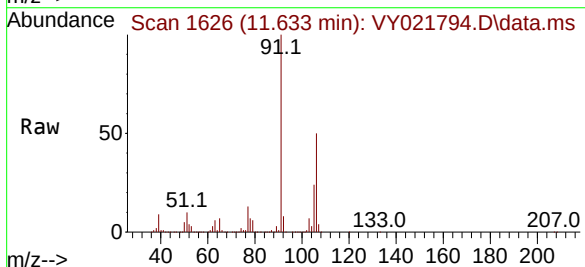
Acq: 07 Apr 2025 09:10

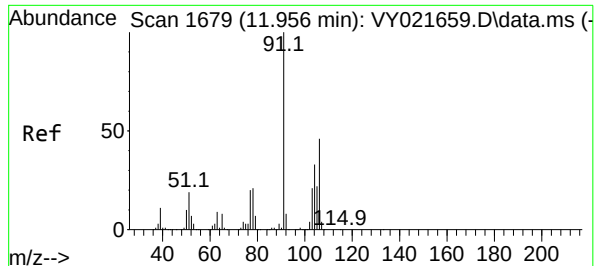
Tgt Ion:106 Resp: 467260

Ion Ratio Lower Upper

106 100

91 202.6 162.4 243.6





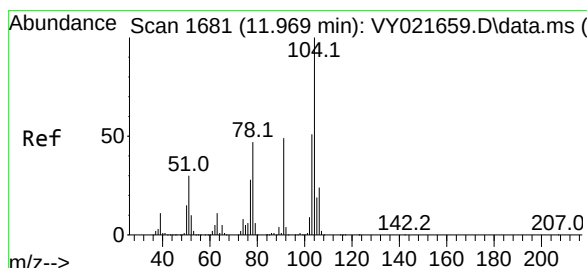
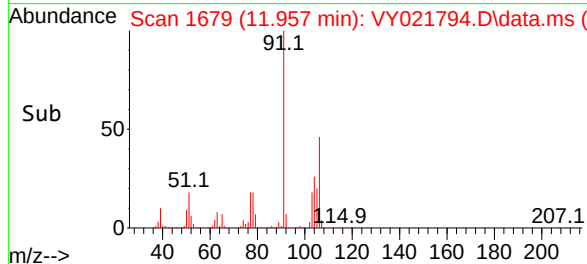
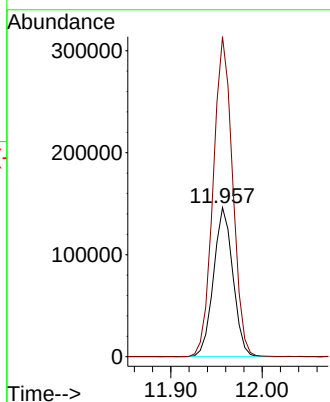
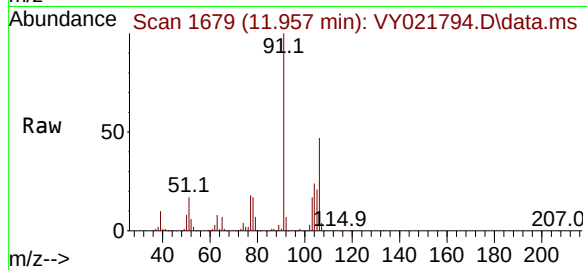
#69
o-Xylene
Concen: 51.935 ug/l
RT: 11.957 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 215620
Ion Ratio Lower Upper
106 100
91 215.8 106.7 319.9

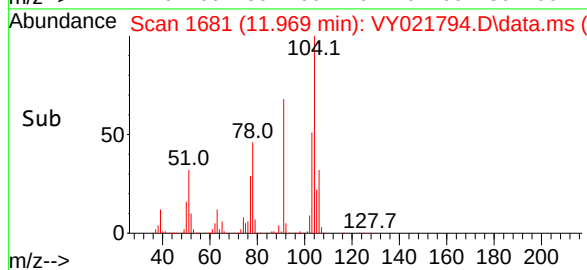
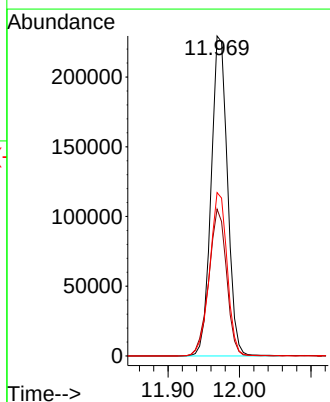
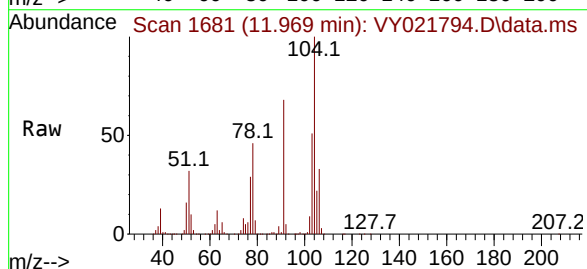
Manual Integrations
APPROVED

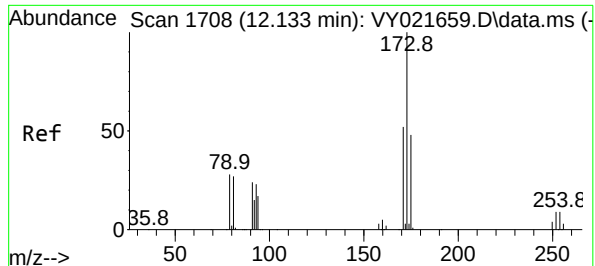
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#70
Styrene
Concen: 52.649 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

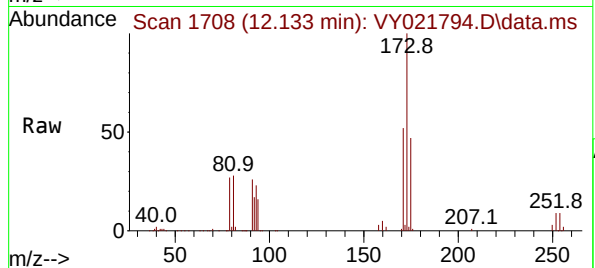
Tgt Ion:104 Resp: 364462
Ion Ratio Lower Upper
104 100
78 49.8 40.8 61.2
103 54.8 44.2 66.2





#71
Bromoform
Concen: 49.483 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

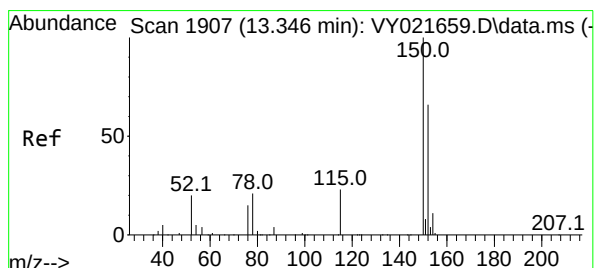
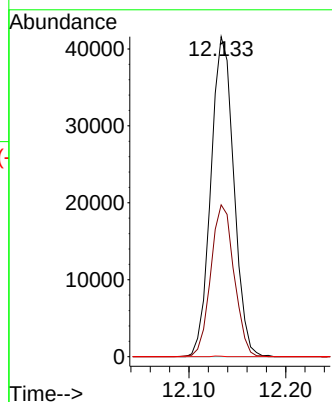
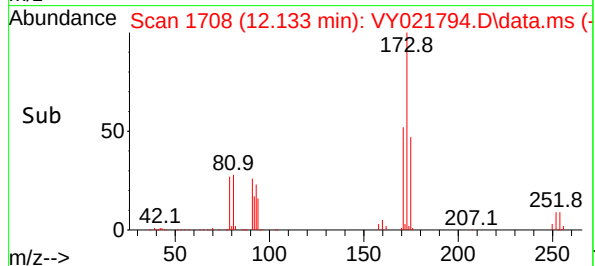
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



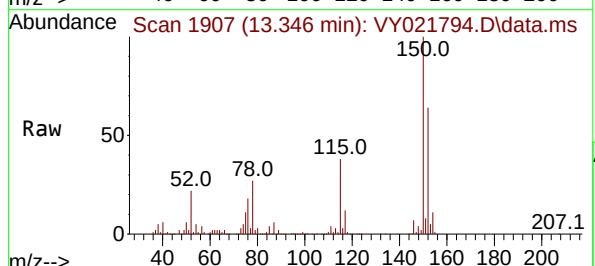
Tgt Ion:173 Resp: 6859
Ion Ratio Lower Upper
173 100
175 48.2 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

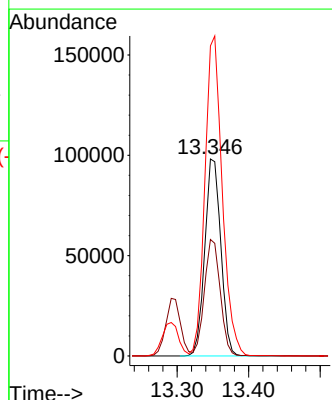
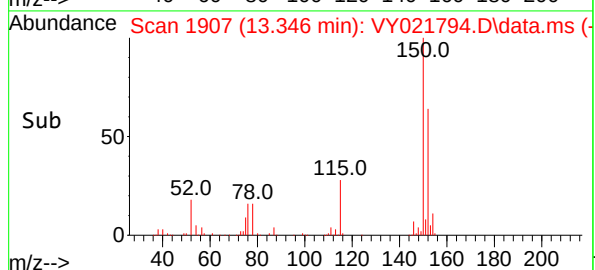
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

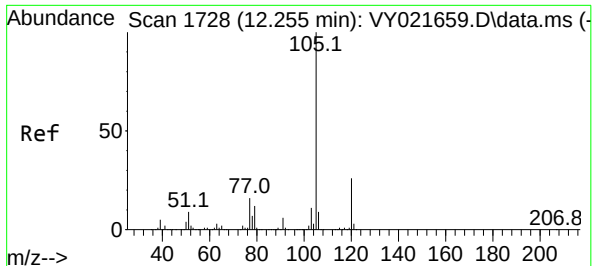


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



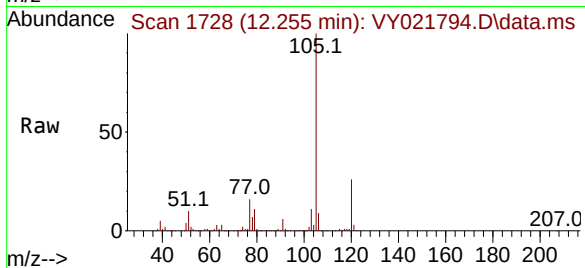
Tgt Ion:152 Resp: 153287
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 175.2 0.0 348.4





#73
Isopropylbenzene
Concen: 50.541 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

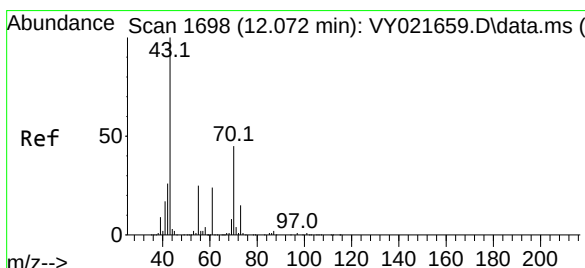
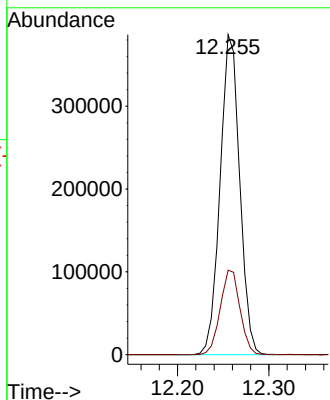
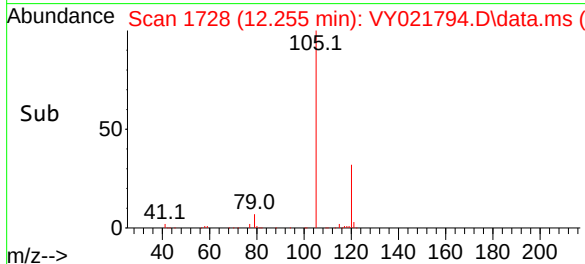
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



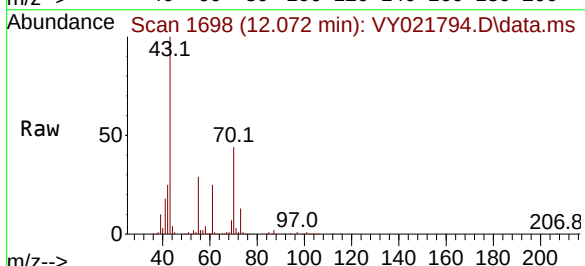
Tgt Ion:105 Resp: 575410
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

Manual Integrations
APPROVED

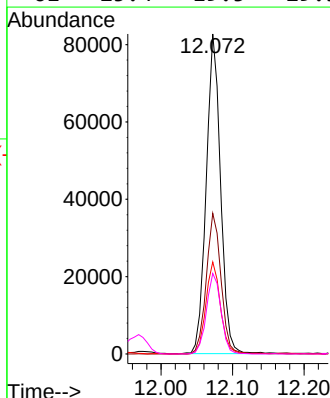
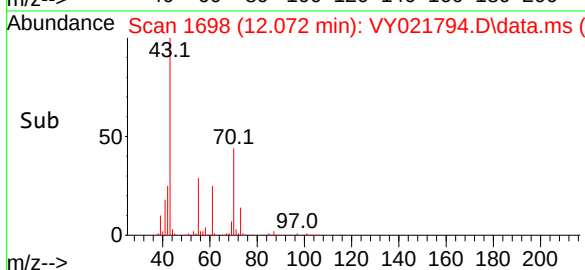
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

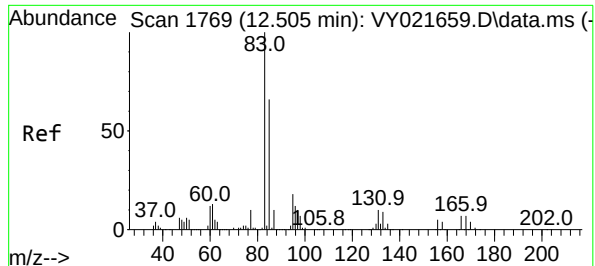


#74
N-ethyl acetate
Concen: 43.148 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



Tgt Ion: 43 Resp: 115291
Ion Ratio Lower Upper
43 100
70 45.3 34.7 52.1
55 29.4 21.2 31.8
61 25.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 41.800 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 8556

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.3

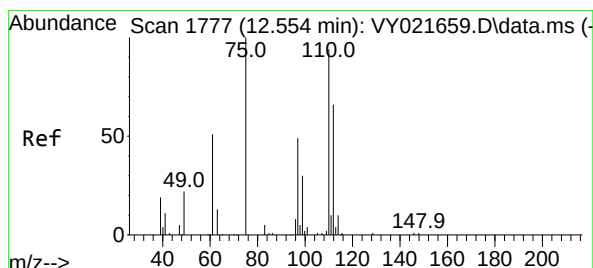
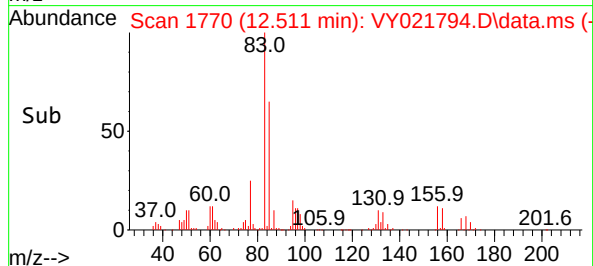
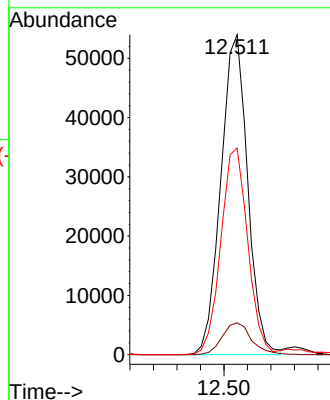
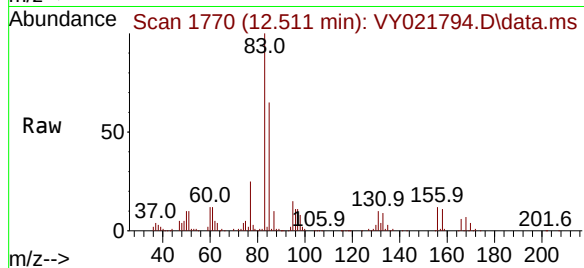
85 65.1 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#76

1,2,3-Trichloropropane

Concen: 49.934 ug/l m

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY021794.D

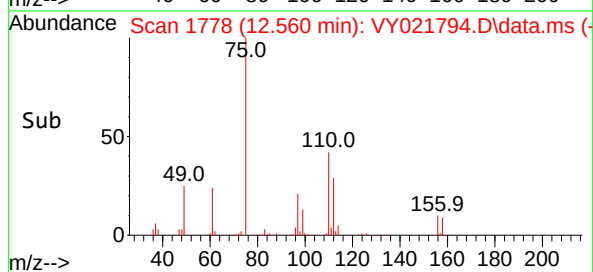
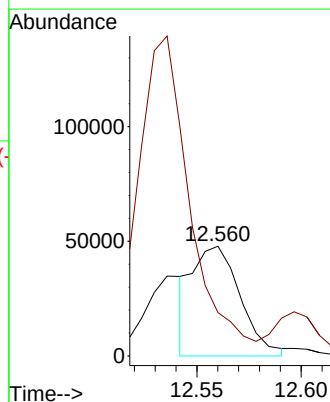
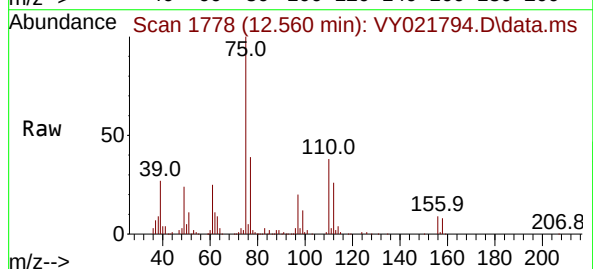
Acq: 07 Apr 2025 09:10

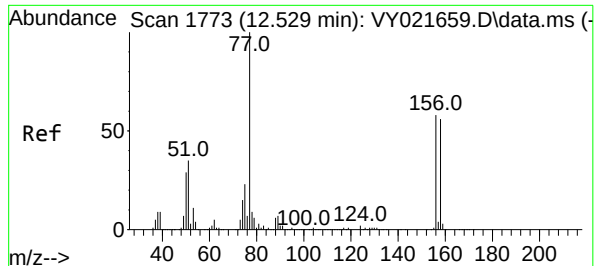
Tgt Ion: 75 Resp: 75873

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.332 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

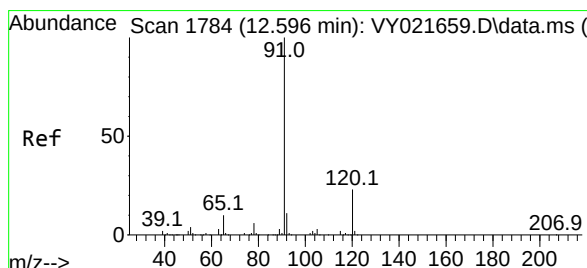
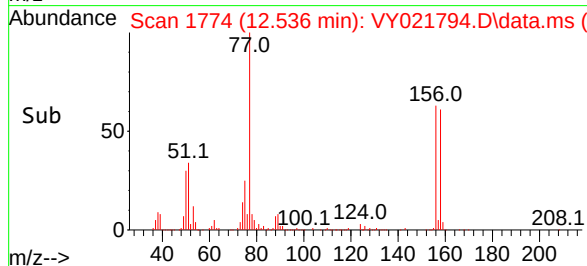
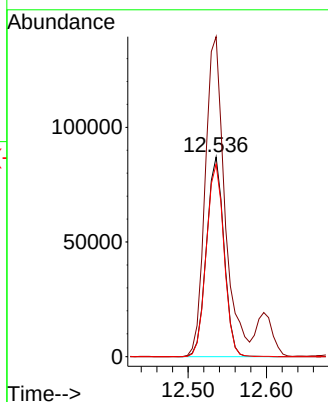
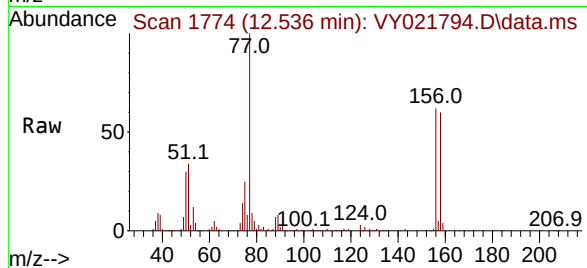
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	134854
Ion Ratio	Lower	Upper	
156	100		
77	179.4	92.8	278.3
158	97.3	48.5	145.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#78

n-propylbenzene

Concen: 51.186 ug/l

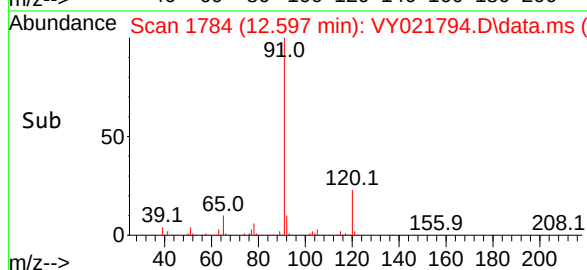
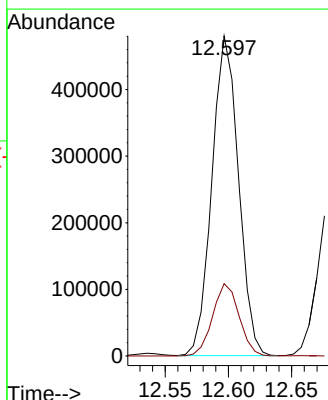
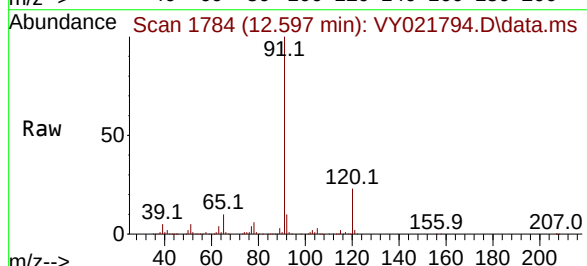
RT: 12.597 min Scan# 1784

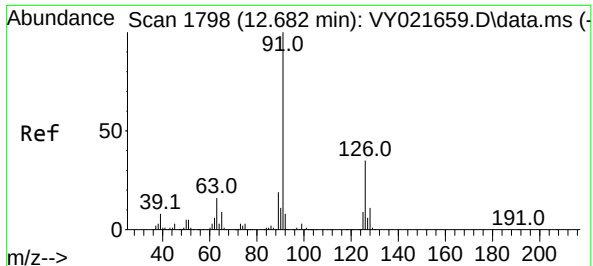
Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion:	91	Resp:	700624
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 49.576 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 39413

Ion Ratio Lower Upper

91 100

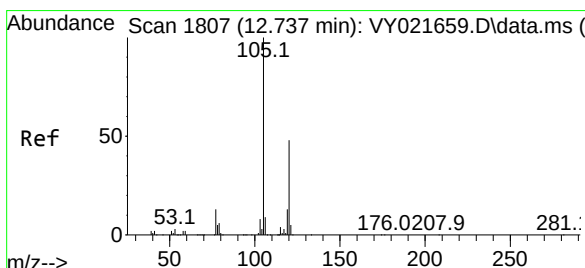
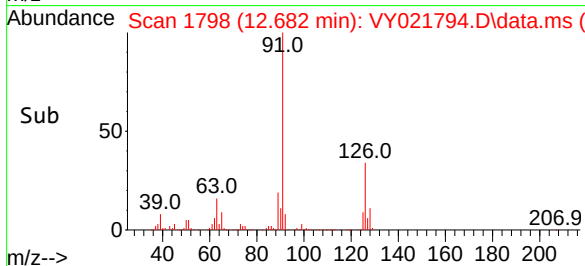
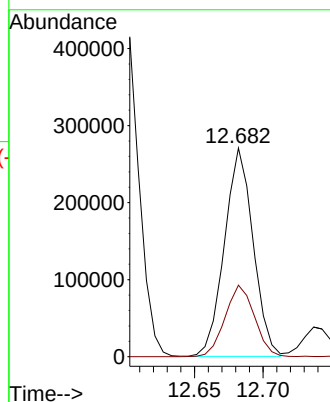
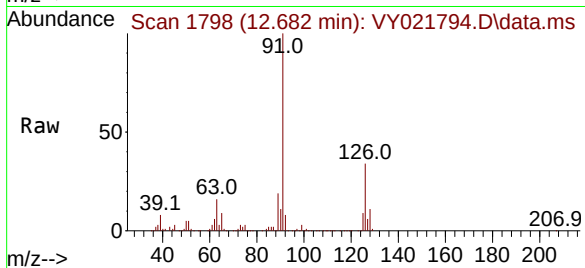
126 35.1 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.524 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021794.D

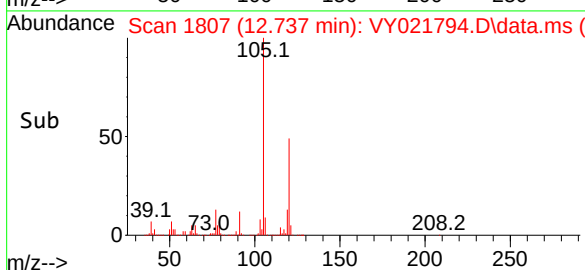
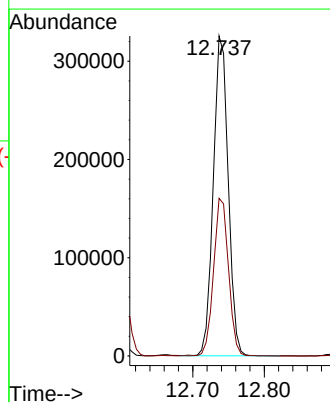
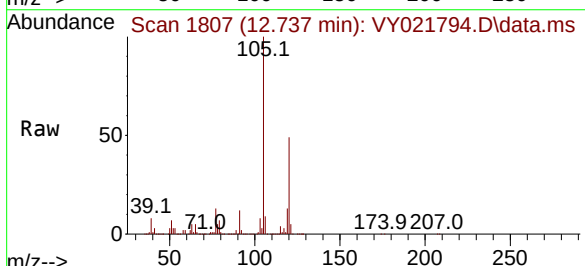
Acq: 07 Apr 2025 09:10

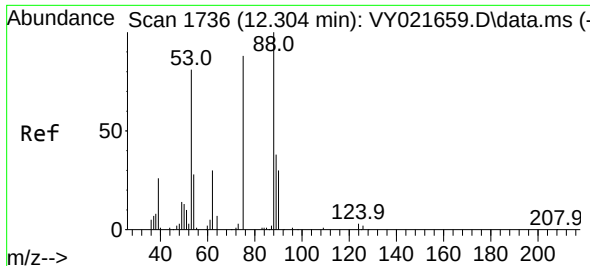
Tgt Ion:105 Resp: 470123

Ion Ratio Lower Upper

105 100

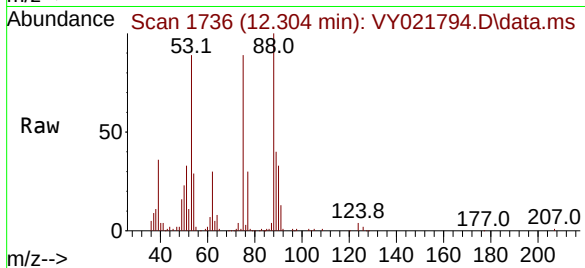
120 49.6 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 46.192 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

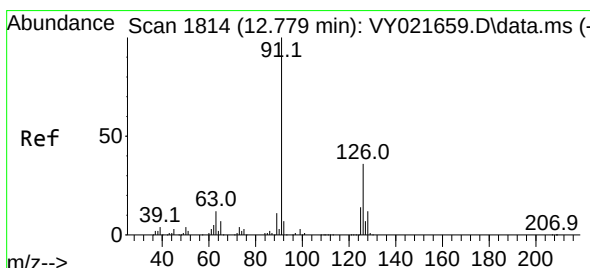
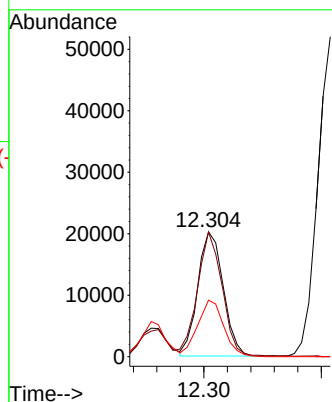
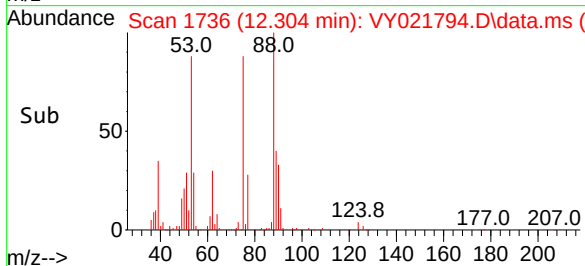
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 3046
Ion Ratio Lower Upper
75 100
53 98.2 76.1 114.1
89 46.6 36.2 54.4

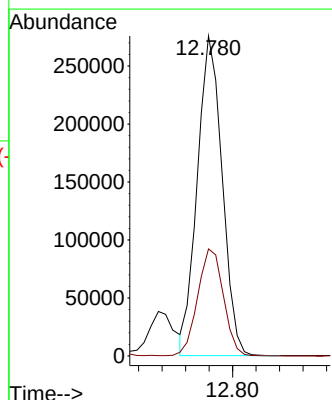
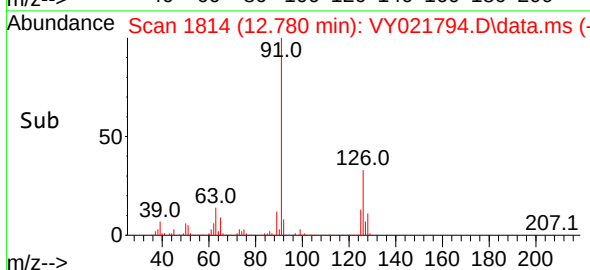
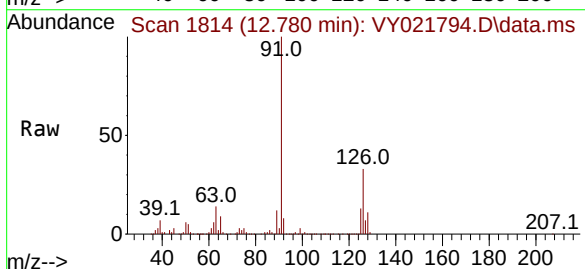
Manual Integrations
APPROVED

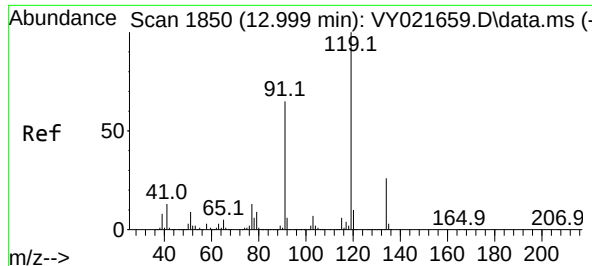
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#82
4-Chlorotoluene
Concen: 48.877 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 405107
Ion Ratio Lower Upper
91 100
126 34.8 17.0 50.9





#83

tert-Butylbenzene

Concen: 49.404 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 409458

Ion Ratio Lower Upper

119 100

91 66.7 32.6 97.7

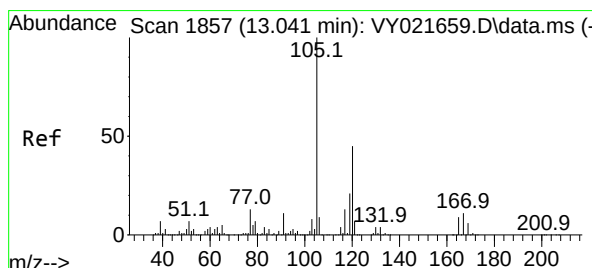
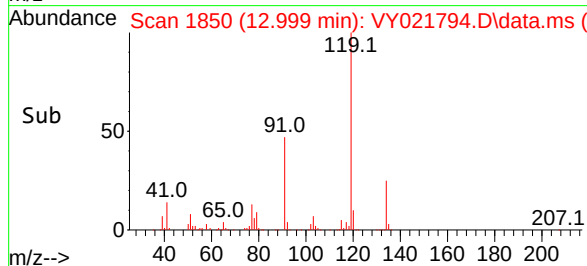
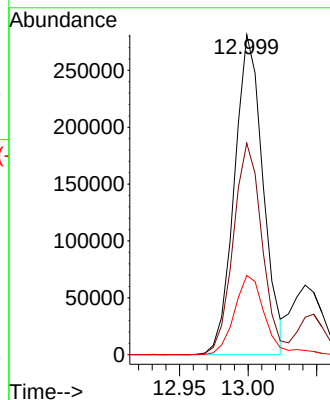
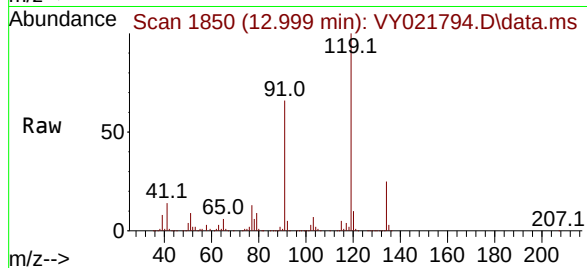
134 26.6 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.475 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY021794.D

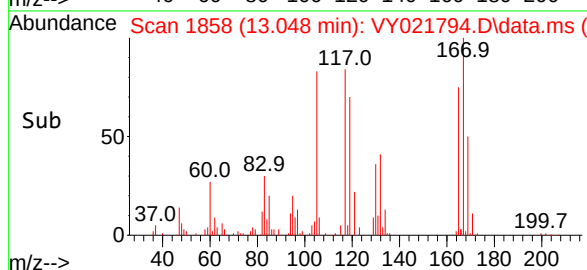
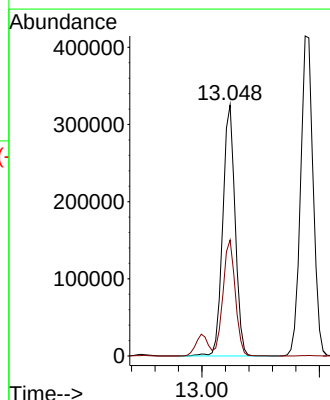
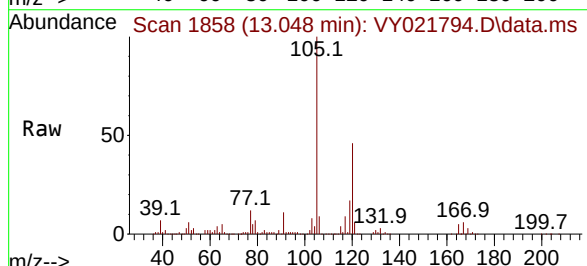
Acq: 07 Apr 2025 09:10

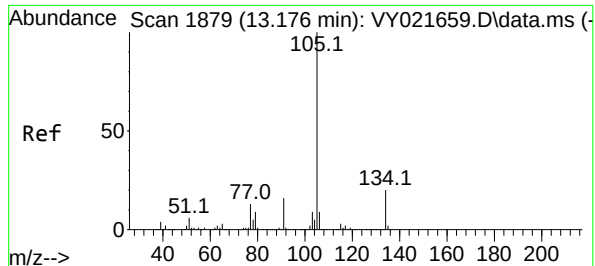
Tgt Ion:105 Resp: 473400

Ion Ratio Lower Upper

105 100

120 46.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 50.544 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 612188

Ion Ratio Lower Upper

105 100

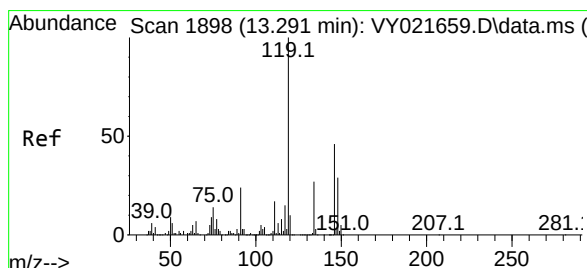
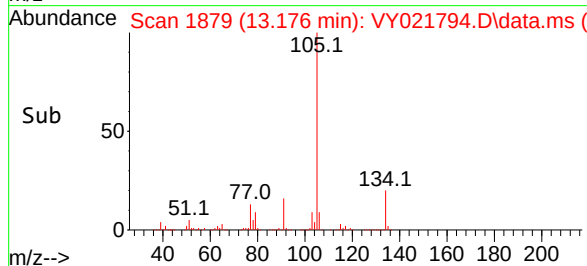
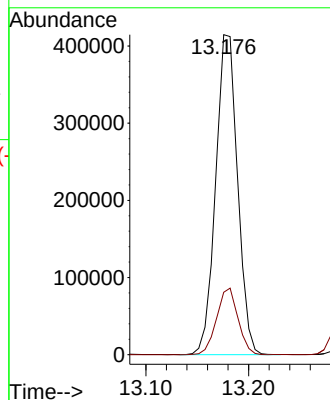
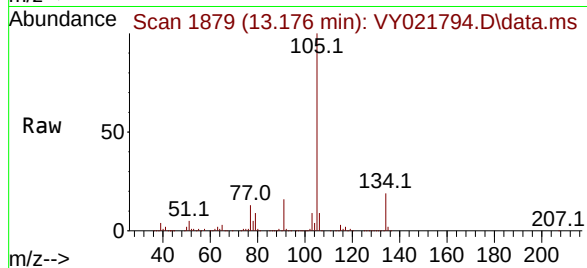
134 20.3 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#86

p-Isopropyltoluene

Concen: 51.605 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

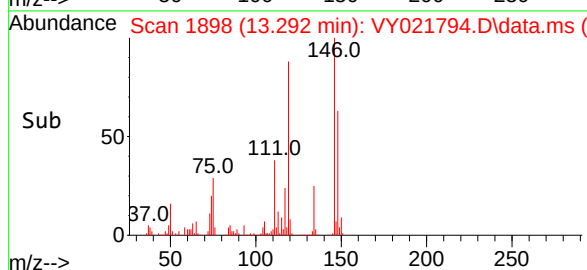
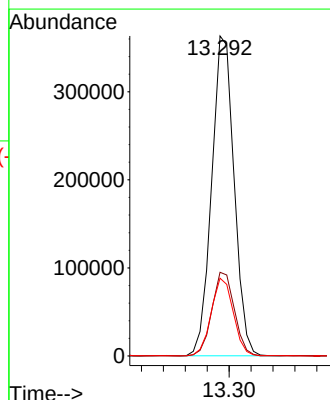
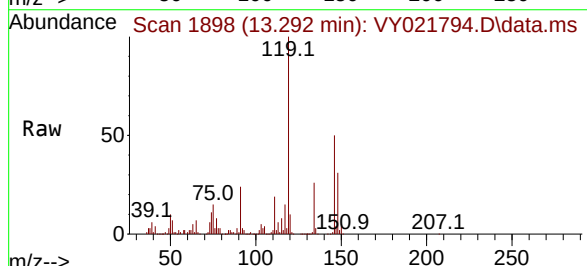
Tgt Ion:119 Resp: 516598

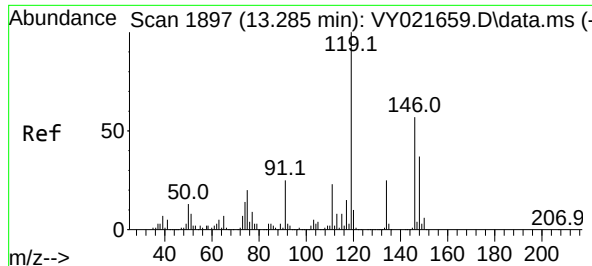
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 49.789 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 26814

Ion Ratio Lower Upper

146 100

111 39.4 20.0 60.0

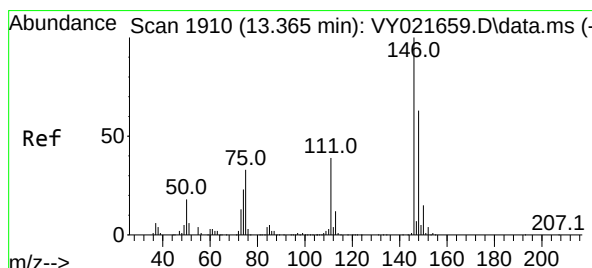
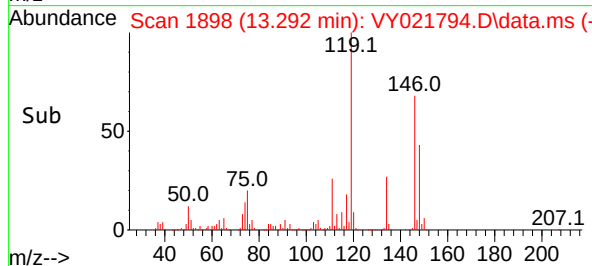
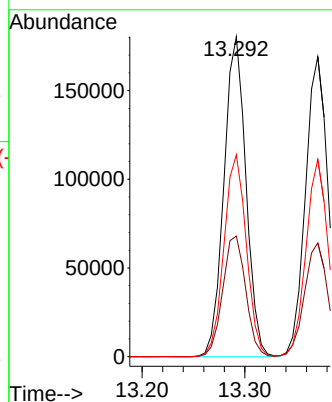
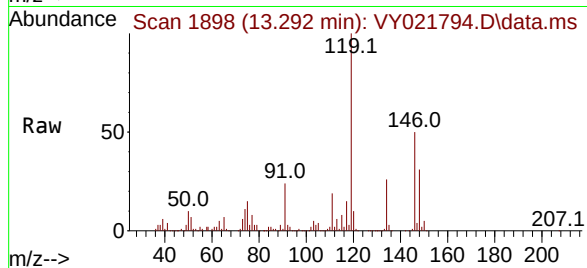
148 64.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#88

1,4-Dichlorobenzene

Concen: 48.633 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

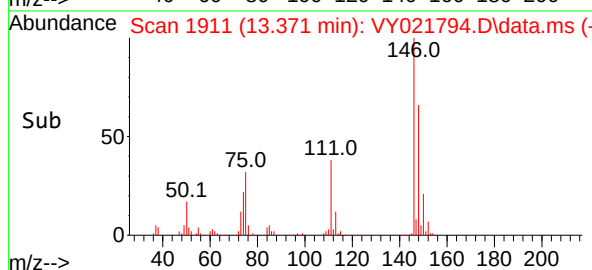
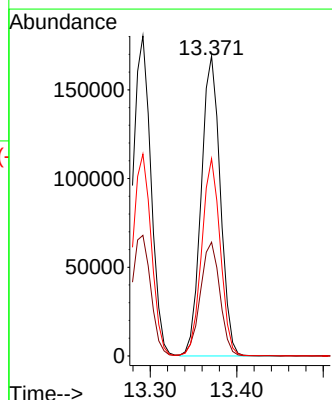
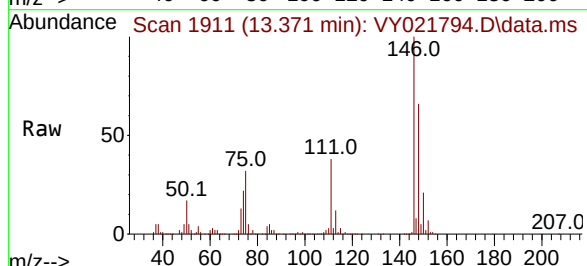
Tgt Ion:146 Resp: 258781

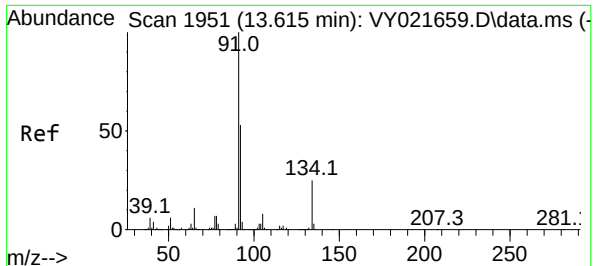
Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.1

148 64.1 31.5 94.5





#89

n-Butylbenzene

Concen: 50.487 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 46740

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.2

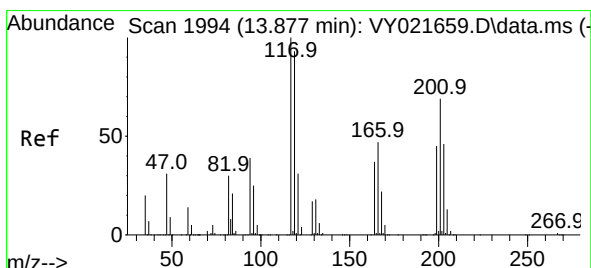
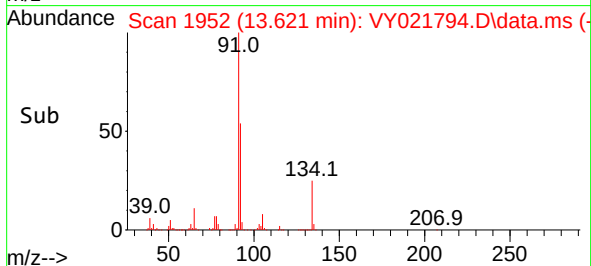
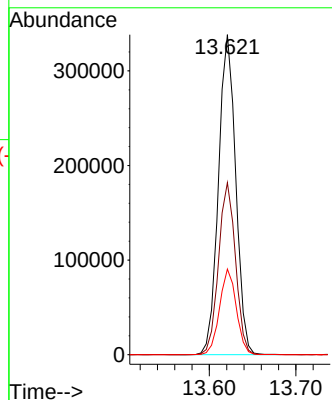
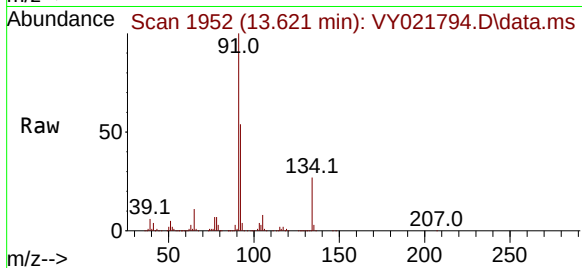
134 26.0 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#90

Hexachloroethane

Concen: 48.399 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021794.D

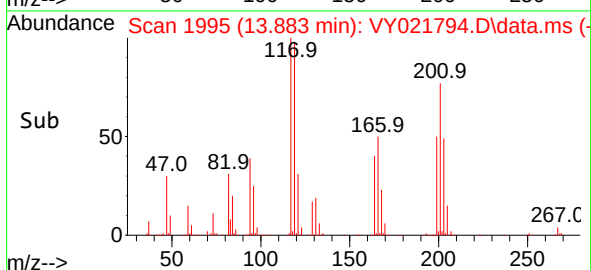
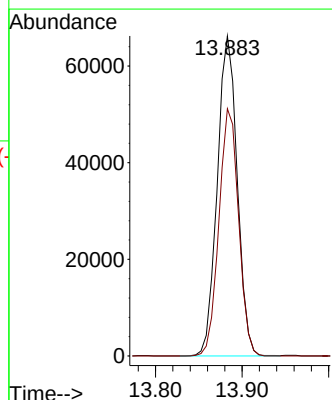
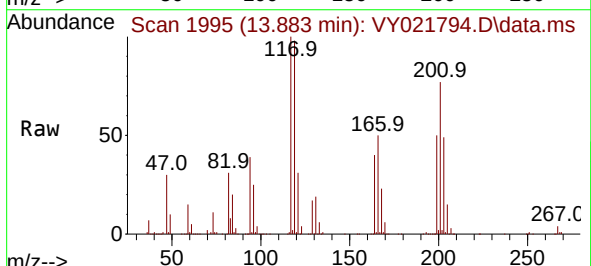
Acq: 07 Apr 2025 09:10

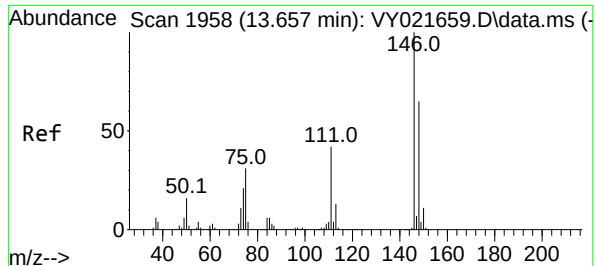
Tgt Ion:117 Resp: 106174

Ion Ratio Lower Upper

117 100

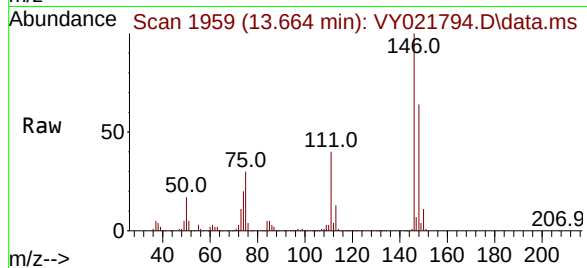
201 75.9 37.4 112.1





#91
1,2-Dichlorobenzene
Concen: 49.236 ug/l
RT: 13.664 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

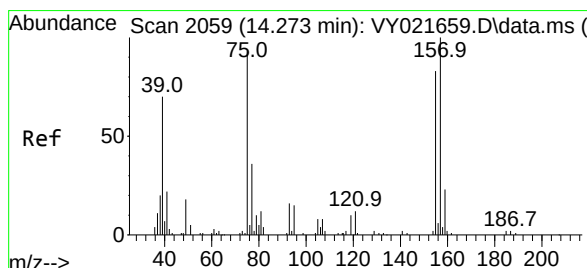
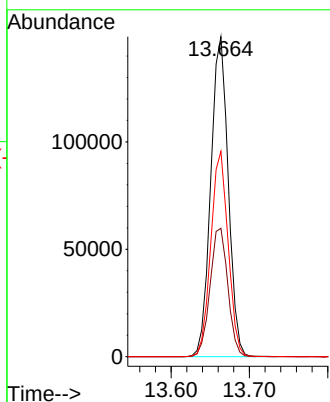
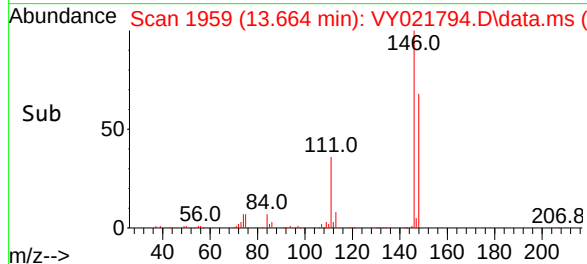
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



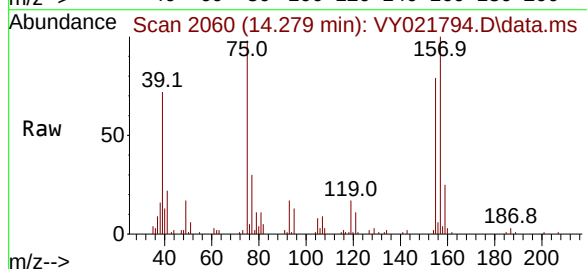
Tgt Ion:146 Resp: 230830
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 63.6 32.3 96.9

Manual Integrations
APPROVED

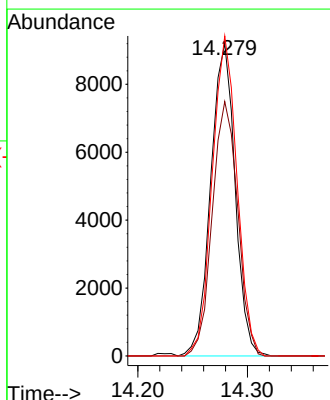
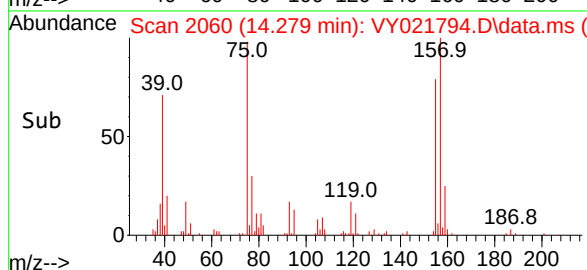
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

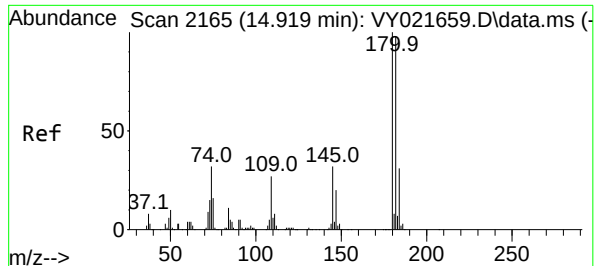


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.715 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



Tgt Ion: 75 Resp: 14186
Ion Ratio Lower Upper
75 100
155 84.9 43.0 128.8
157 104.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 49.286 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 125300

Ion Ratio Lower Upper

180 100

182 93.7 47.5 142.6

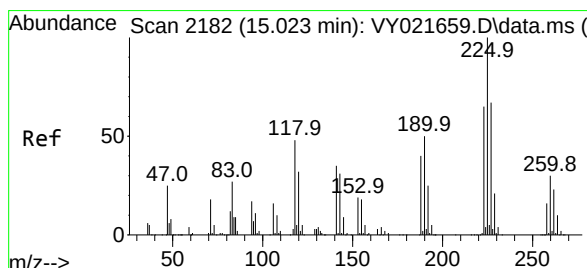
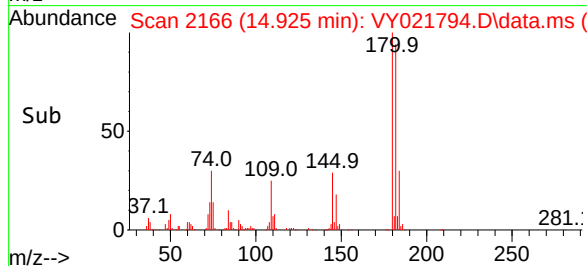
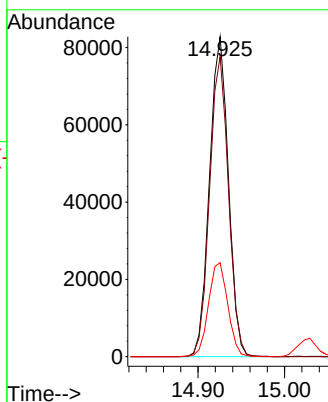
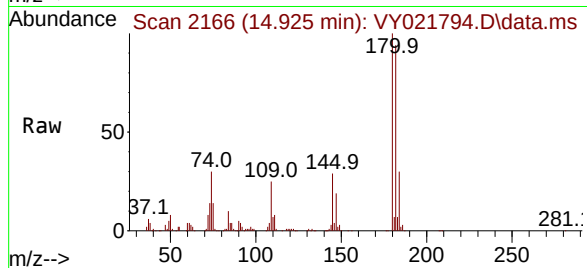
145 30.0 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#94

Hexachlorobutadiene

Concen: 48.096 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

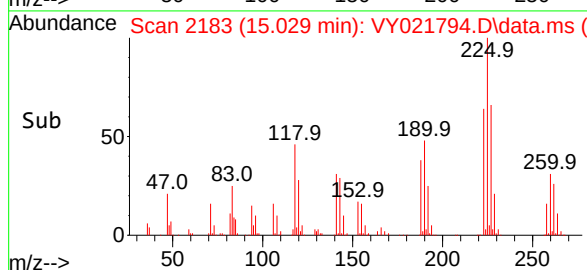
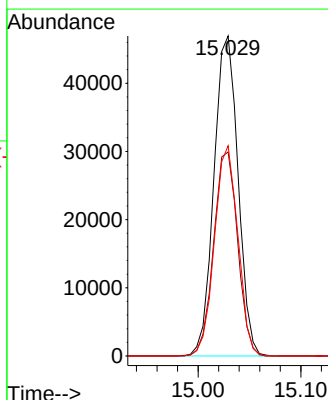
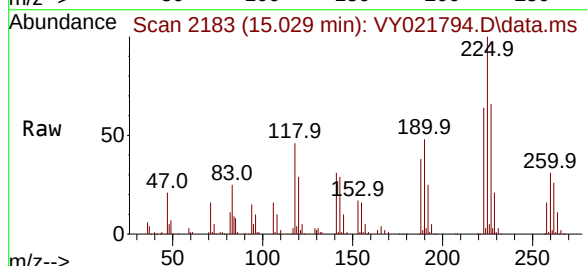
Tgt Ion:225 Resp: 76368

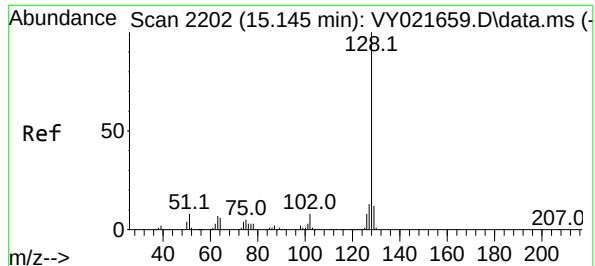
Ion Ratio Lower Upper

225 100

223 63.5 31.9 95.7

227 63.8 32.4 97.0





#95

Naphthalene

Concen: 47.089 ug/l

RT: 15.151 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

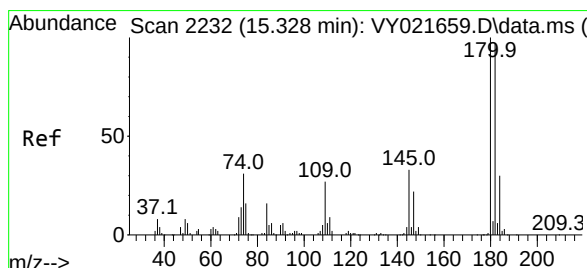
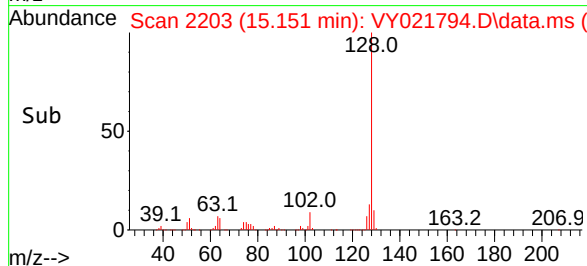
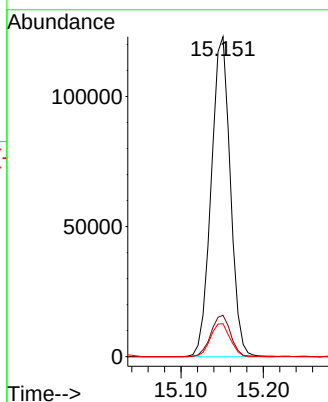
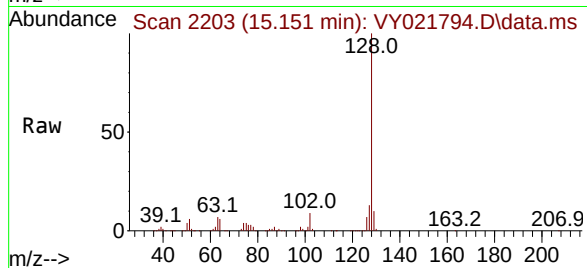
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	19844
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	10.7	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#96

1,2,3-Trichlorobenzene

Concen: 48.577 ug/l

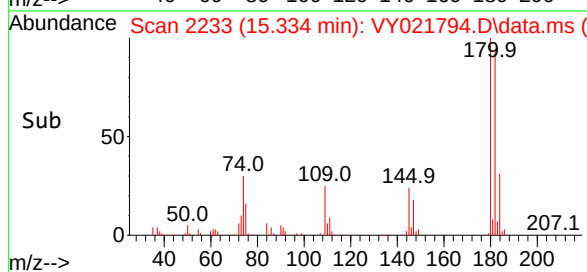
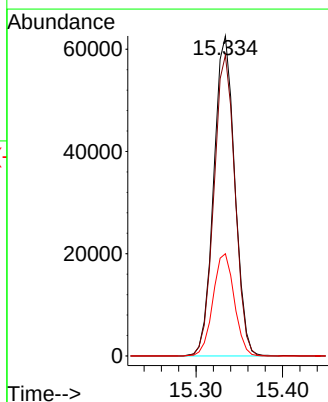
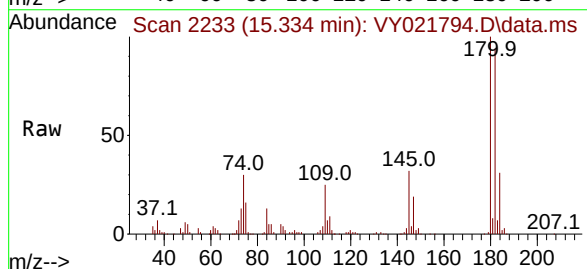
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion:	180	Resp:	105317
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.5
145	32.4	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	94	0.00
2 T	Dichlorodifluoromethane	0.518	0.452	12.7	84	0.00
3 P	Chloromethane	0.729	0.643	11.8	88	0.00
4 C	Vinyl Chloride	0.824	0.748	9.2#	88	0.00
5 T	Bromomethane	0.562	0.461	18.0	85	0.00
6 T	Chloroethane	0.539	0.488	9.5	90	0.00
7 T	Trichlorofluoromethane	1.056	0.976	7.6	91	0.00
8 T	Diethyl Ether	0.287	0.250	12.9	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.516	7.4	91	0.00
10 T	Methyl Iodide	0.611	0.600	1.8	86	0.00
11 T	Tert butyl alcohol	0.035	0.028	20.0	77	0.00
12 CM	1,1-Dichloroethene	0.524	0.492	6.1#	90	0.00
13 T	Acrolein	0.064	0.019	70.3#	29#	0.00
14 T	Allyl chloride	0.836	0.773	7.5	87	0.00
15 T	Acrylonitrile	0.120	0.104	13.3	81	0.00
16 T	Acetone	0.111	0.115	-3.6	101	0.00
17 T	Carbon Disulfide	1.727	1.557	9.8	87	0.00
18 T	Methyl Acetate	0.275	0.273	0.7	97	0.00
19 T	Methyl tert-butyl Ether	1.306	1.179	9.7	84	0.00
20 T	Methylene Chloride	0.626	0.524	16.3	88	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.548	5.0	91	0.00
22 T	Diisopropyl ether	1.754	1.671	4.7	88	0.00
23 T	Vinyl Acetate	1.026	0.906	11.7	80	0.00
24 P	1,1-Dichloroethane	1.049	0.993	5.3	90	0.00
25 T	2-Butanone	0.158	0.145	8.2	86	0.00
26 T	2,2-Dichloropropane	0.933	0.900	3.5	92	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.623	4.0	90	0.00
28 T	Bromochloromethane	0.442	0.412	6.8	91	0.00
29 T	Tetrahydrofuran	0.102	0.088	13.7	79	0.00
30 C	Chloroform	1.091	1.038	4.9#	91	0.00
31 T	Cyclohexane	0.956	0.852	10.9	88	0.00
32 T	1,1,1-Trichloroethane	0.986	0.931	5.6	91	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.510	5.9	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35 S	Dibromofluoromethane	0.324	0.328	-1.2	88	0.00
36 T	1,1-Dichloropropene	0.494	0.499	-1.0	91	0.00
37 T	Ethyl Acetate	0.233	0.206	11.6	80	0.00
38 T	Carbon Tetrachloride	0.566	0.574	-1.4	93	0.00
39 T	Methylcyclohexane	0.590	0.577	2.2	85	0.00
40 TM	Benzene	1.479	1.489	-0.7	91	0.00
41 T	Methacrylonitrile	0.124	0.122	1.6	81	-0.01
42 TM	1,2-Dichloroethane	0.417	0.403	3.4	87	0.00
43 T	Isopropyl Acetate	0.442	0.397	10.2	80	0.00
44 TM	Trichloroethene	0.377	0.391	-3.7	95	0.00
45 C	1,2-Dichloropropane	0.350	0.349	0.3#	90	0.00
46 T	Dibromomethane	0.202	0.194	4.0	89	0.00
47 T	Bromodichloromethane	0.523	0.517	1.1	90	0.00
48 T	Methyl methacrylate	0.203	0.192	5.4	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	83	0.00
50 S	Toluene-d8	1.234	1.277	-3.5	89	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.214	7.0	81	0.00
52 CM	Toluene	0.923	0.947	-2.6#	91	0.00
53 T	t-1,3-Dichloropropene	0.465	0.463	0.4	87	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.550	-0.4	89	0.00
55 T	1,1,2-Trichloroethane	0.260	0.255	1.9	89	0.00
56 T	Ethyl methacrylate	0.332	0.324	2.4	81	0.00
57 T	1,3-Dichloropropane	0.449	0.442	1.6	88	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.167	-3.1	85	0.00
59 T	2-Hexanone	0.153	0.149	2.6	83	0.00
60 T	Dibromochloromethane	0.355	0.353	0.6	88	0.00
61 T	1,2-Dibromoethane	0.244	0.237	2.9	85	0.00
62 S	4-Bromofluorobenzene	0.417	0.433	-3.8	90	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64 T	Tetrachloroethene	0.455	0.498	-9.5	101	0.00
65 PM	Chlorobenzene	1.146	1.144	0.2	90	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.406	0.2	89	0.00
67 C	Ethyl Benzene	1.965	2.032	-3.4#	90	0.00
68 T	m/p-Xylenes	0.753	0.782	-3.9	90	0.00
69 T	o-Xylene	0.695	0.722	-3.9	89	0.00
70 T	Styrene	1.158	1.220	-5.4	90	0.00
71 P	Bromoform	0.232	0.230	0.9	88	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.714	3.754	-1.1	90	0.00
74 T	N-amyl acetate	0.872	0.752	13.8	75	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.558	16.5	78	0.00
76 T	1,2,3-Trichloropropane	0.496	0.495	0.2	91	0.00
77 T	Bromobenzene	0.892	0.880	1.3	90	0.00
78 T	n-propylbenzene	4.465	4.571	-2.4	90	0.00
79 T	2-Chlorotoluene	2.593	2.571	0.8	89	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.067	-1.1	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.199	7.4	82	0.00
82 T	4-Chlorotoluene	2.704	2.643	2.3	87	0.00
83 T	tert-Butylbenzene	2.703	2.671	1.2	87	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.088	-2.9	90	0.00
85 T	sec-Butylbenzene	3.951	3.994	-1.1	89	0.00
86 T	p-Isopropyltoluene	3.265	3.370	-3.2	90	0.00
87 T	1,3-Dichlorobenzene	1.757	1.749	0.5	91	0.00
88 T	1,4-Dichlorobenzene	1.736	1.688	2.8	89	0.00
89 T	n-Butylbenzene	3.020	3.049	-1.0	88	0.00
90 T	Hexachloroethane	0.716	0.693	3.2	89	0.00
91 T	1,2-Dichlorobenzene	1.529	1.506	1.5	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	83	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.817	1.4	85	0.00
94 T	Hexachlorobutadiene	0.518	0.498	3.9	87	0.00
95 T	Naphthalene	1.375	1.295	5.8	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.687	2.8	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	94	0.00
2 T	Dichlorodifluoromethane	50.000	43.574	12.9	84	0.00
3 P	Chloromethane	50.000	44.137	11.7	88	0.00
4 C	Vinyl Chloride	50.000	45.392	9.2#	88	0.00
5 T	Bromomethane	50.000	41.042	17.9	85	0.00
6 T	Chloroethane	50.000	45.220	9.6	90	0.00
7 T	Trichlorofluoromethane	50.000	46.226	7.5	91	0.00
8 T	Diethyl Ether	50.000	43.508	13.0	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.358	7.3	91	0.00
10 T	Methyl Iodide	50.000	49.135	1.7	86	0.00
11 T	Tert butyl alcohol	250.000	196.563	21.4	77	0.00
12 CM	1,1-Dichloroethene	50.000	46.887	6.2#	90	0.00
13 T	Acrolein	250.000	75.813	69.7#	29	0.00
14 T	Allyl chloride	50.000	46.193	7.6	87	0.00
15 T	Acrylonitrile	250.000	215.889	13.6	81	0.00
16 T	Acetone	250.000	259.165	-3.7	101	0.00
17 T	Carbon Disulfide	50.000	45.073	9.9	87	0.00
18 T	Methyl Acetate	50.000	49.589	0.8	97	0.00
19 T	Methyl tert-butyl Ether	50.000	45.133	9.7	84	0.00
20 T	Methylene Chloride	50.000	48.120	3.8	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.466	5.1	91	0.00
22 T	Diisopropyl ether	50.000	47.619	4.8	88	0.00
23 T	Vinyl Acetate	250.000	220.822	11.7	80	0.00
24 P	1,1-Dichloroethane	50.000	47.347	5.3	90	0.00
25 T	2-Butanone	250.000	229.196	8.3	86	0.00
26 T	2,2-Dichloropropane	50.000	48.250	3.5	92	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.992	4.0	90	0.00
28 T	Bromochloromethane	50.000	46.536	6.9	91	0.00
29 T	Tetrahydrofuran	250.000	215.053	14.0	79	0.00
30 C	Chloroform	50.000	47.595	4.8#	91	0.00
31 T	Cyclohexane	50.000	44.546	10.9	88	0.00
32 T	1,1,1-Trichloroethane	50.000	47.227	5.5	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.075	5.8	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35 S	Dibromofluoromethane	50.000	50.509	-1.0	88	0.00
36 T	1,1-Dichloropropene	50.000	50.545	-1.1	91	0.00
37 T	Ethyl Acetate	50.000	44.251	11.5	80	0.00
38 T	Carbon Tetrachloride	50.000	50.753	-1.5	93	0.00
39 T	Methylcyclohexane	50.000	48.886	2.2	85	0.00
40 TM	Benzene	50.000	50.325	-0.7	91	0.00
41 T	Methacrylonitrile	50.000	49.076	1.8	81	-0.01
42 TM	1,2-Dichloroethane	50.000	48.260	3.5	87	0.00
43 T	Isopropyl Acetate	50.000	44.885	10.2	80	0.00
44 TM	Trichloroethene	50.000	51.817	-3.6	95	0.00
45 C	1,2-Dichloropropane	50.000	49.831	0.3#	90	0.00
46 T	Dibromomethane	50.000	48.034	3.9	89	0.00
47 T	Bromodichloromethane	50.000	49.419	1.2	90	0.00
48 T	Methyl methacrylate	50.000	47.453	5.1	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	936.467	6.4	83	0.00
50 S	Toluene-d8	50.000	51.740	-3.5	89	0.00
51 T	4-Methyl-2-Pentanone	250.000	232.887	6.8	81	0.00
52 CM	Toluene	50.000	51.304	-2.6#	91	0.00
53 T	t-1,3-Dichloropropene	50.000	49.804	0.4	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.219	-0.4	89	0.00
55 T	1,1,2-Trichloroethane	50.000	49.131	1.7	89	0.00
56 T	Ethyl methacrylate	50.000	48.850	2.3	81	0.00
57 T	1,3-Dichloropropane	50.000	49.319	1.4	88	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	258.748	-3.5	85	0.00
59 T	2-Hexanone	250.000	243.444	2.6	83	0.00
60 T	Dibromochloromethane	50.000	49.743	0.5	88	0.00
61 T	1,2-Dibromoethane	50.000	48.727	2.5	85	0.00
62 S	4-Bromofluorobenzene	50.000	51.914	-3.8	90	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64 T	Tetrachloroethene	50.000	54.654	-9.3	101	0.00
65 PM	Chlorobenzene	50.000	49.923	0.2	90	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.897	0.2	89	0.00
67 C	Ethyl Benzene	50.000	51.687	-3.4#	90	0.00
68 T	m/p-Xylenes	100.000	103.887	-3.9	90	0.00
69 T	o-Xylene	50.000	51.935	-3.9	89	0.00
70 T	Styrene	50.000	52.649	-5.3	90	0.00
71 P	Bromoform	50.000	49.483	1.0	88	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	50.541	-1.1	90	0.00
74 T	N-amyl acetate	50.000	43.148	13.7	75	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	41.800	16.4	78	0.00
76 T	1,2,3-Trichloropropane	50.000	49.934	0.1	91	0.00
77 T	Bromobenzene	50.000	49.332	1.3	90	0.00
78 T	n-propylbenzene	50.000	51.186	-2.4	90	0.00
79 T	2-Chlorotoluene	50.000	49.576	0.8	89	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.524	-1.0	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.192	7.6	82	0.00
82 T	4-Chlorotoluene	50.000	48.877	2.2	87	0.00
83 T	tert-Butylbenzene	50.000	49.404	1.2	87	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.475	-3.0	90	0.00
85 T	sec-Butylbenzene	50.000	50.544	-1.1	89	0.00
86 T	p-Isopropyltoluene	50.000	51.605	-3.2	90	0.00
87 T	1,3-Dichlorobenzene	50.000	49.789	0.4	91	0.00
88 T	1,4-Dichlorobenzene	50.000	48.633	2.7	89	0.00
89 T	n-Butylbenzene	50.000	50.487	-1.0	88	0.00
90 T	Hexachloroethane	50.000	48.399	3.2	89	0.00
91 T	1,2-Dichlorobenzene	50.000	49.236	1.5	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.715	10.6	83	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.286	1.4	85	0.00
94 T	Hexachlorobutadiene	50.000	48.096	3.8	87	0.00
95 T	Naphthalene	50.000	47.089	5.8	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.577	2.8	84	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: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 17:29

Lab File ID: VY021804.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.486		-6.18	50
Chloromethane	0.729	0.668	0.1	-8.37	50
Vinyl Chloride	0.824	0.769		-6.68	50
Bromomethane	0.562	0.488		-13.17	50
Chloroethane	0.539	0.505		-6.31	50
Tetrahydrofuran	0.102	0.105		2.94	50
Trichlorofluoromethane	1.056	1.001		-5.21	50
1,1,2-Trichlorotrifluoroethane	0.557	0.547		-1.79	50
1,1-Dichloroethene	0.524	0.518		-1.14	50
Acrylonitrile	0.120	0.121		0.83	50
Acetone	0.111	0.093		-16.22	50
Carbon Disulfide	1.727	1.613		-6.6	50
Methyl tert-butyl Ether	1.306	1.345		2.99	50
Methylene Chloride	0.626	0.578		-7.67	50
trans-1,2-Dichloroethene	0.577	0.571		-1.04	50
1,1-Dichloroethane	1.049	1.045	0.1	-0.38	50
2-Butanone	0.158	0.154		-2.53	50
Carbon Tetrachloride	0.566	0.589		4.06	50
2,2-Dichloropropane	0.933	0.906		-2.89	50
cis-1,2-Dichloroethene	0.649	0.656		1.08	50
Chloroform	1.091	1.097		0.55	50
1,1,1-Trichloroethane	0.986	0.986		0	50
1,1-Dichloropropene	0.494	0.512		3.64	50
Benzene	1.479	1.535		3.79	50
1,2-Dichloroethane	0.417	0.440		5.52	50
Trichloroethene	0.377	0.451		19.63	50
1,2-Dichloropropane	0.350	0.369		5.43	50
Dibromomethane	0.202	0.213		5.45	50
Bromodichloromethane	0.523	0.546		4.4	50
4-Methyl-2-Pentanone	0.230	0.257		11.74	50
Toluene	0.923	0.988		7.04	50
t-1,3-Dichloropropene	0.465	0.485		4.3	50
cis-1,3-Dichloropropene	0.548	0.574		4.74	50
1,1,2-Trichloroethane	0.260	0.280		7.69	50
1,3-Dichloropropane	0.449	0.487		8.46	50
2-Hexanone	0.153	0.171		11.77	50
Dibromochloromethane	0.355	0.377		6.2	50
1,2-Dibromoethane	0.244	0.266		9.02	50

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: CHEMTECH Contract: NOBI03
 Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730
 Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 17:29
 Lab File ID: VY021804.D Init. Calib. Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.605		32.97	50
Chlorobenzene	1.146	1.183	0.3	3.23	50
1,1,1,2-Tetrachloroethane	0.407	0.417		2.46	50
Ethyl Benzene	1.965	2.093		6.51	50
m/p-Xylenes	0.753	0.801		6.38	50
o-Xylene	0.695	0.750		7.91	50
Styrene	1.158	1.276		10.19	50
Bromoform	0.232	0.246	0.1	6.03	50
Isopropylbenzene	3.714	3.703		-0.3	50
1,1,2,2-Tetrachloroethane	0.668	0.410	0.3	-38.62	50
1,2,3-Trichloropropane	0.496	0.497		0.2	50
Bromobenzene	0.892	0.883		-1.01	50
n-propylbenzene	4.465	4.487		0.49	50
2-Chlorotoluene	2.593	2.553		-1.54	50
1,3,5-Trimethylbenzene	3.035	3.061		0.86	50
4-Chlorotoluene	2.704	2.654		-1.85	50
tert-Butylbenzene	2.703	2.689		-0.52	50
1,2,4-Trimethylbenzene	3.000	3.087		2.9	50
sec-Butylbenzene	3.951	3.983		0.81	50
p-Isopropyltoluene	3.265	3.368		3.15	50
1,3-Dichlorobenzene	1.757	1.733		-1.42	50
1,4-Dichlorobenzene	1.736	1.716		-1.15	50
n-Butylbenzene	3.020	3.106		2.85	50
1,2-Dichlorobenzene	1.529	1.532		0.2	50
1,2-Dibromo-3-Chloropropane	0.103	0.105		1.94	50
1,2,4-Trichlorobenzene	0.829	0.905		9.17	50
Hexachlorobutadiene	0.518	0.536		3.47	50
1,2,3-Trichlorobenzene	0.707	0.788		11.46	50
1,2-Dichloroethane-d4	0.542	0.545		0.55	50
Dibromofluoromethane	0.324	0.290		-10.49	50
Toluene-d8	1.234	1.291		4.62	50
4-Bromofluorobenzene	0.417	0.453		8.63	50
trans-1,4-Dichloro-2-butene	0.215	0.200		-6.98	50

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021804.D
 Acq On : 07 Apr 2025 17:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168360	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	122404	50.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.640%	
35) Dibromofluoromethane	7.634	113	98899	44.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.320%	
50) Toluene-d8	10.109	98	440661	52.311	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.408	95	154801	54.329	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.660%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	109111	46.885	ug/l	98
3) Chloromethane	2.068	50	149962	45.826	ug/l	98
4) Vinyl Chloride	2.202	62	172733	46.675	ug/l	97
5) Bromomethane	2.592	94	109683	43.454	ug/l	97
6) Chloroethane	2.733	64	113301	46.787	ug/l	100
7) Trichlorofluoromethane	3.056	101	224789	47.416	ug/l	98
8) Diethyl Ether	3.452	74	62320	48.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122782	49.106	ug/l	99
10) Methyl Iodide	4.001	142	148881	54.276	ug/l	99
11) Tert butyl alcohol	4.866	59	38412	243.094	ug/l	100
12) 1,1-Dichloroethene	3.787	96	116318	49.389	ug/l	99
13) Acrolein	3.659	56	22716	78.732	ug/l	97
14) Allyl chloride	4.385	41	184227	49.061	ug/l	98
15) Acrylonitrile	5.061	53	136191	253.002	ug/l	99
16) Acetone	3.873	43	104517	209.922	ug/l	99
17) Carbon Disulfide	4.104	76	362183	46.691	ug/l	97
18) Methyl Acetate	4.385	43	76494	61.991	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	301905	51.489	ug/l	98
20) Methylene Chloride	4.616	84	129704	53.510	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	128306	49.480	ug/l	99
22) Diisopropyl ether	6.019	45	406412	51.594	ug/l	98
23) Vinyl Acetate	5.958	43	1005856	218.278	ug/l	100
24) 1,1-Dichloroethane	5.915	63	234722	49.834	ug/l	99
25) 2-Butanone	6.890	43	172460	242.513	ug/l	99
26) 2,2-Dichloropropane	6.884	77	203337	48.532	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	147307	50.515	ug/l	98
28) Bromochloromethane	7.244	49	98094	49.382	ug/l	98
29) Tetrahydrofuran	7.262	42	118440	258.784	ug/l	100
30) Chloroform	7.421	83	246310	50.278	ug/l	96
31) Cyclohexane	7.701	56	204030	47.519	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221309	49.982	ug/l	99
36) 1,1-Dichloropropene	7.835	75	174776	51.820	ug/l	99
37) Ethyl Acetate	6.982	43	80524	50.589	ug/l	99
38) Carbon Tetrachloride	7.817	117	201147	52.071	ug/l	100
39) Methylcyclohexane	9.110	83	213550	53.002	ug/l	98
40) Benzene	8.079	78	524100	51.889	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021804.D
 Acq On : 07 Apr 2025 17:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	41173	48.707	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	150119	52.720	ug/l	100
43) Isopropyl Acetate	8.195	43	158937	52.690	ug/l	98
44) Trichloroethene	8.866	130	153934	59.815	ug/l	98
45) 1,2-Dichloropropane	9.140	63	126060	52.726	ug/l	98
46) Dibromomethane	9.231	93	72759	52.805	ug/l	98
47) Bromodichloromethane	9.427	83	186427	52.215	ug/l	99
48) Methyl methacrylate	9.219	41	75589	54.600	ug/l	99
49) 1,4-Dioxane	9.231	88	16797	1137.947	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	437927	278.979	ug/l	99
52) Toluene	10.170	92	337143	53.500	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	165396	52.154	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	195840	52.346	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	95662	53.949	ug/l	98
56) Ethyl methacrylate	10.439	69	131852	58.234	ug/l	98
57) 1,3-Dichloropropane	10.719	76	166086	54.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	325502	294.697	ug/l	100
59) 2-Hexanone	10.762	43	291456	278.791	ug/l	99
60) Dibromochloromethane	10.914	129	128616	53.126	ug/l	100
61) 1,2-Dibromoethane	11.012	107	90766	54.567	ug/l	99
64) Tetrachloroethene	10.646	164	188331	66.382	ug/l	98
65) Chlorobenzene	11.444	112	368544	51.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	130042	51.329	ug/l	99
67) Ethyl Benzene	11.518	91	651824	53.233	ug/l	99
68) m/p-Xylenes	11.627	106	498739	106.367	ug/l	100
69) o-Xylene	11.957	106	233580	53.967	ug/l	98
70) Styrene	11.969	104	397557	55.090	ug/l	100
71) Bromoform	12.133	173	76677	53.058	ug/l #	100
73) Isopropylbenzene	12.255	105	623474	49.859	ug/l	100
74) N-amyl acetate	12.072	43	147196	50.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	69040	30.709	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	83668m	50.134	ug/l	
77) Bromobenzene	12.530	156	148624	49.502	ug/l	98
78) n-propylbenzene	12.597	91	755384	50.246	ug/l	99
79) 2-Chlorotoluene	12.682	91	429871	49.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	515287	50.419	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	33694	46.520	ug/l	99
82) 4-Chlorotoluene	12.780	91	446850	49.086	ug/l	100
83) tert-Butylbenzene	12.999	119	452797	49.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	519749	51.455	ug/l	99
85) sec-Butylbenzene	13.176	105	670543	50.405	ug/l	99
86) p-Isopropyltoluene	13.292	119	567055	51.574	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	291683	49.310	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	288989	49.448	ug/l	99
89) n-Butylbenzene	13.621	91	522872	51.422	ug/l	100
90) Hexachloroethane	13.877	117	117807	48.894	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	257864	50.078	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17640	50.624	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	152417	54.582	ug/l	99
94) Hexachlorobutadiene	15.023	225	90260	51.756	ug/l	99
95) Naphthalene	15.145	128	278323	60.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	132748	55.748	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

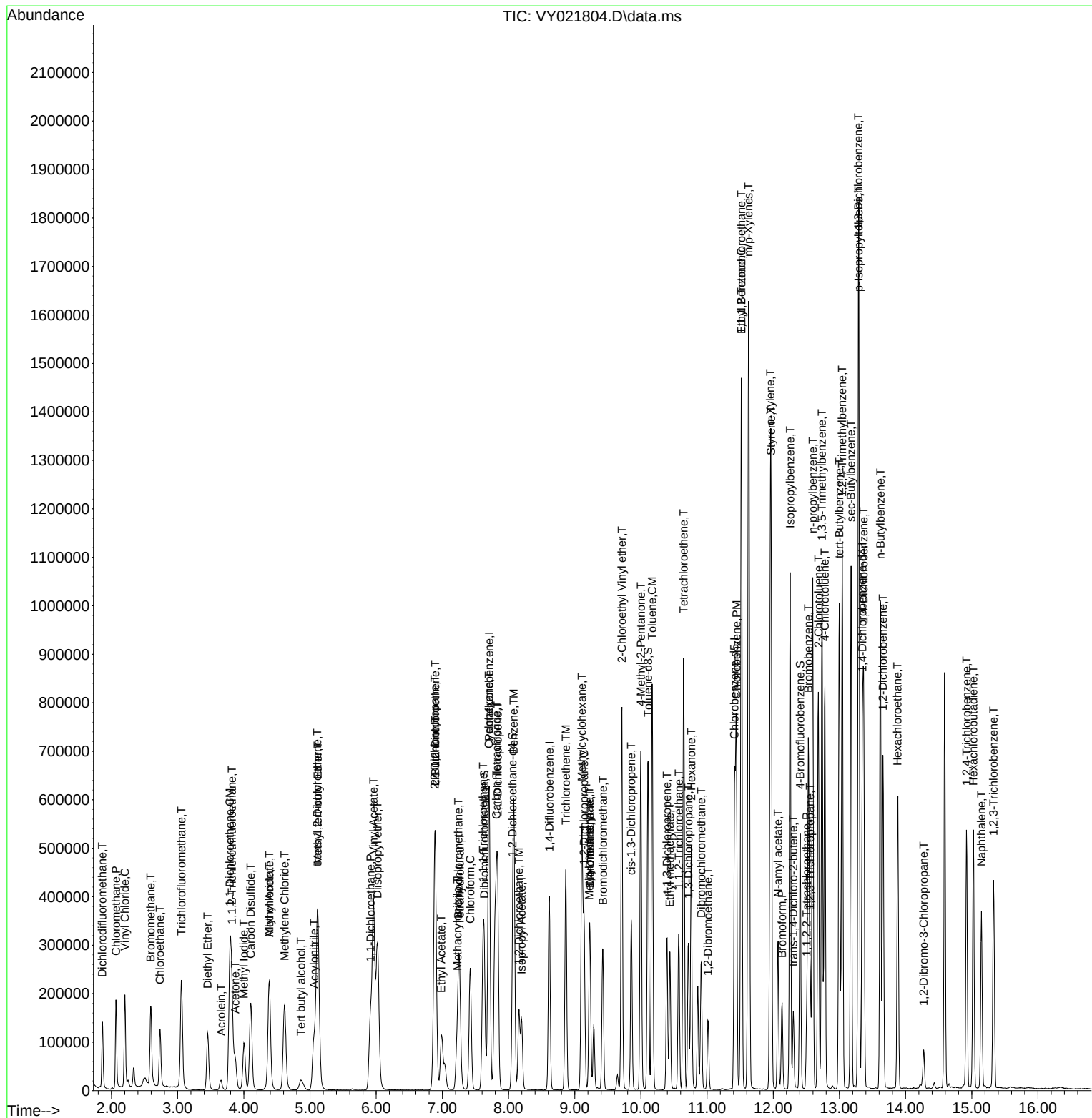
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Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

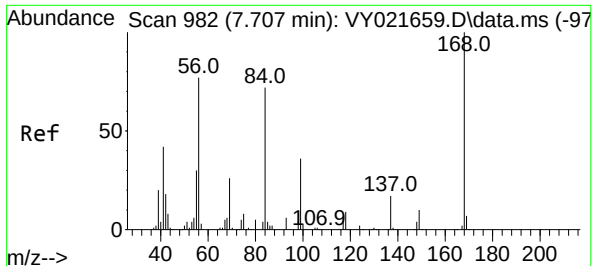
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MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

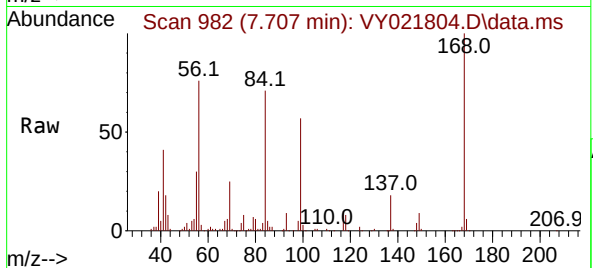
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

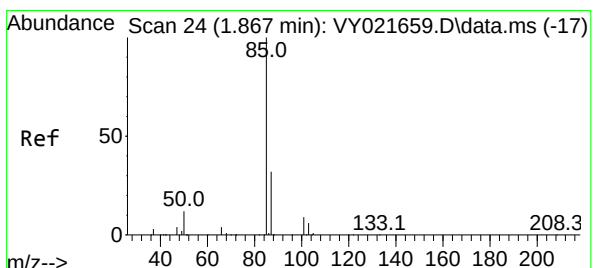
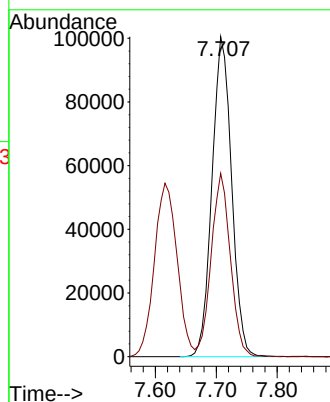
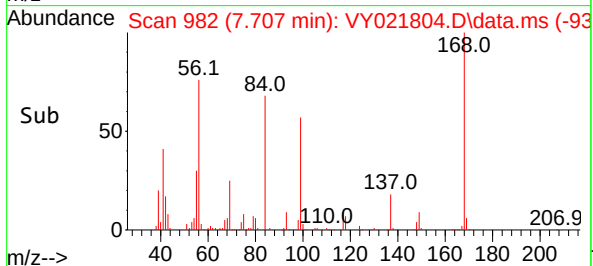
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 168 Resp: 22453
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1

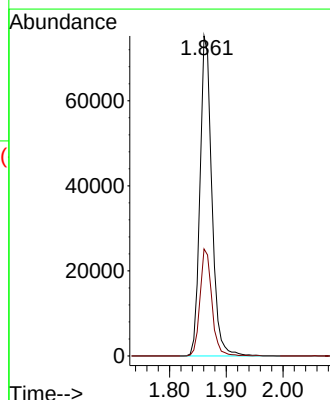
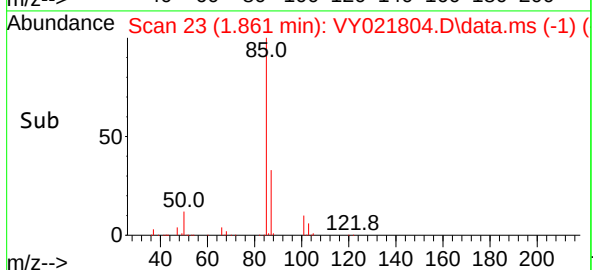
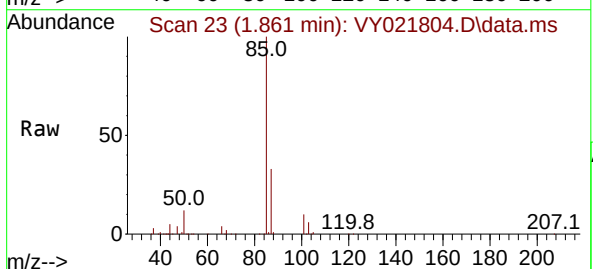
Manual Integrations
APPROVED

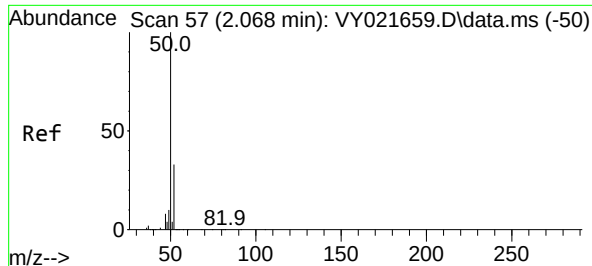
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#2
Dichlorodifluoromethane
Concen: 46.885 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

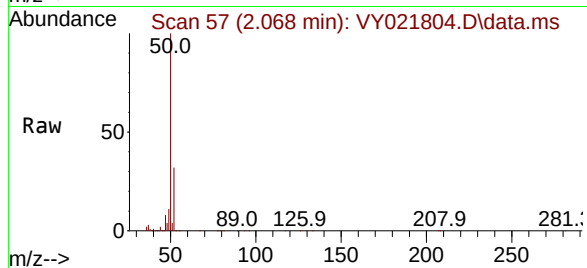
Tgt Ion: 85 Resp: 109111
Ion Ratio Lower Upper
85 100
87 33.5 16.2 48.6





#3
Chloromethane
Concen: 45.826 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

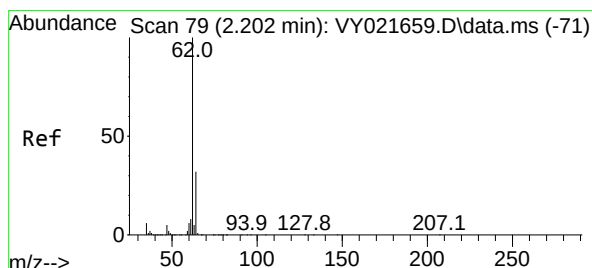
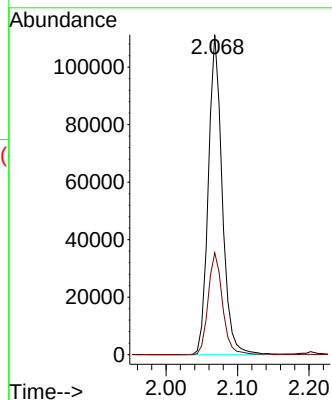
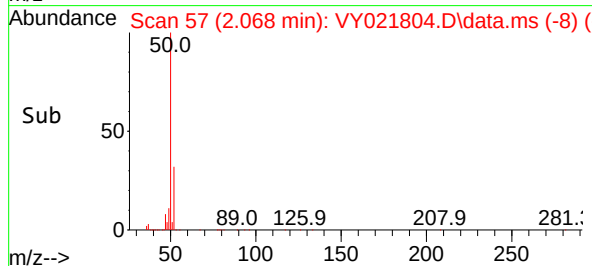
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



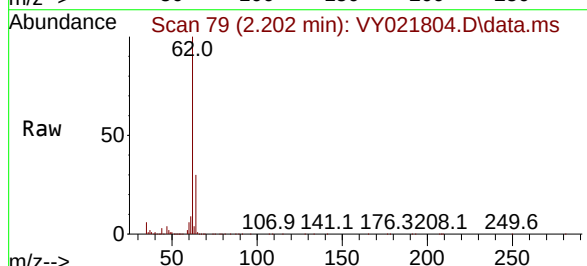
Tgt Ion: 50 Resp: 149962
Ion Ratio Lower Upper
50 100
52 31.9 26.3 39.5

Manual Integrations
APPROVED

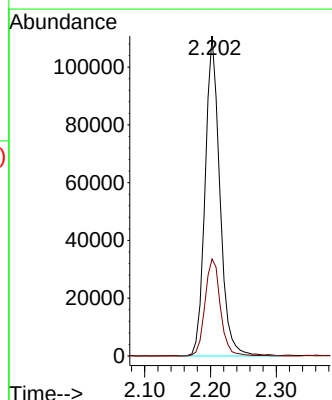
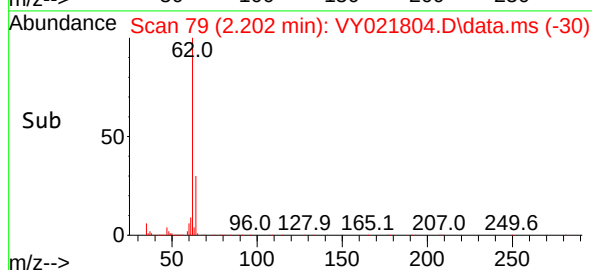
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

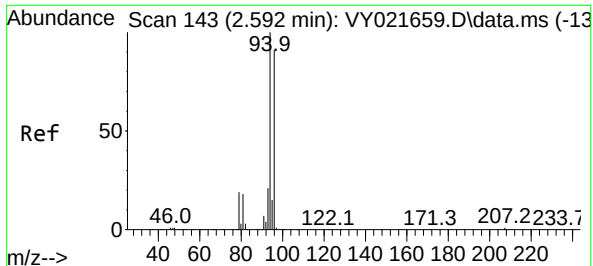


#4
Vinyl Chloride
Concen: 46.675 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29



Tgt Ion: 62 Resp: 172733
Ion Ratio Lower Upper
62 100
64 30.3 25.5 38.3





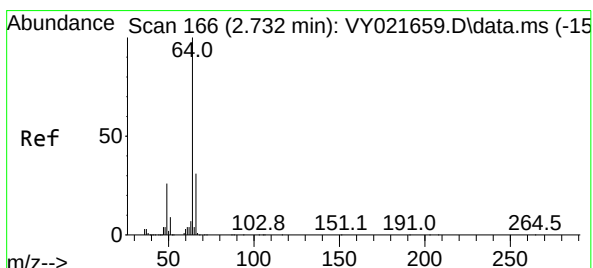
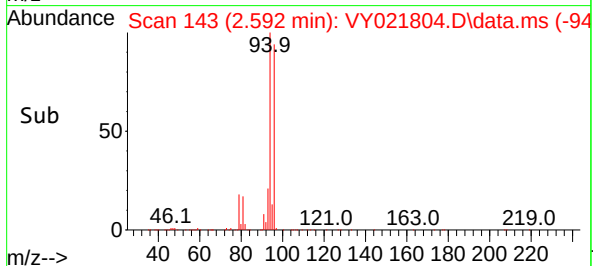
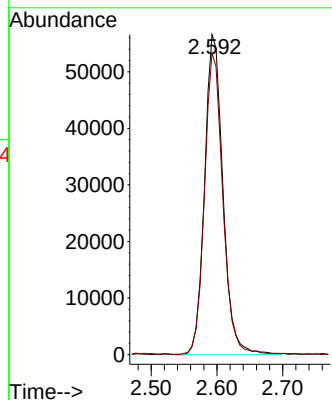
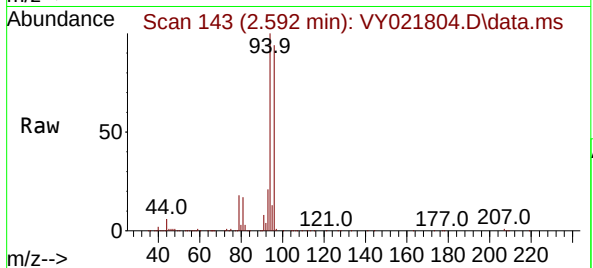
#5
Bromomethane
Concen: 43.454 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 10968
Ion Ratio Lower Upper
94 100
96 94.1 72.8 109.2

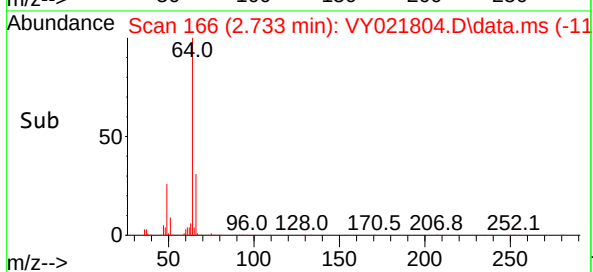
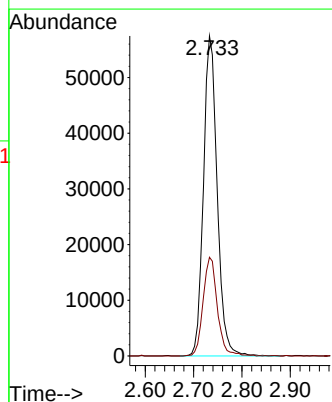
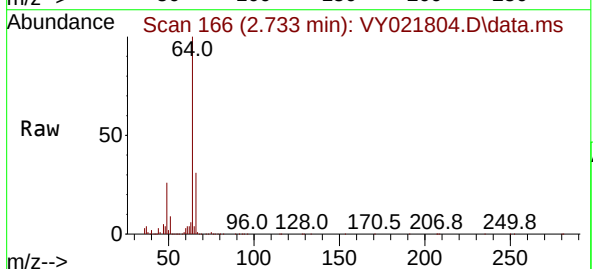
Manual Integrations
APPROVED

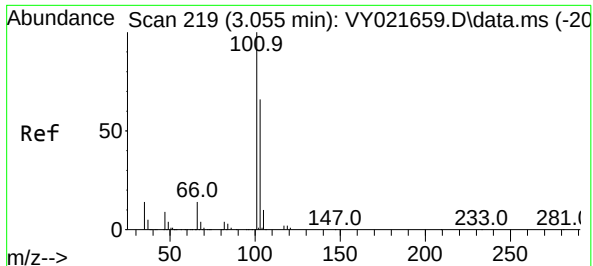
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#6
Chloroethane
Concen: 46.787 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

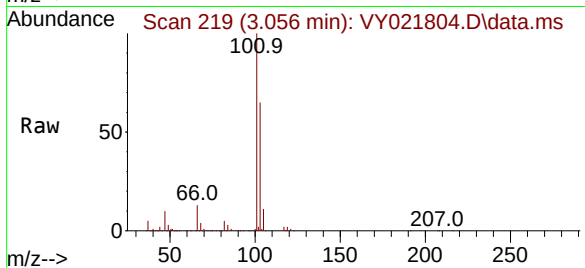
Tgt Ion: 64 Resp: 113301
Ion Ratio Lower Upper
64 100
66 30.9 24.9 37.3





#7
Trichlorofluoromethane
Concen: 47.416 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

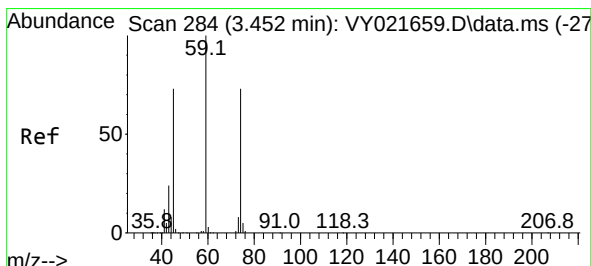
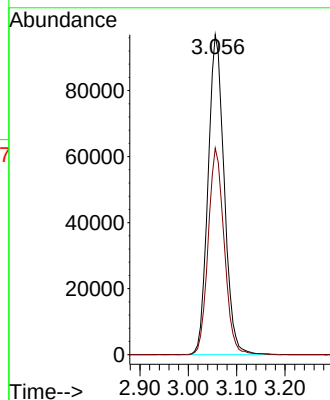
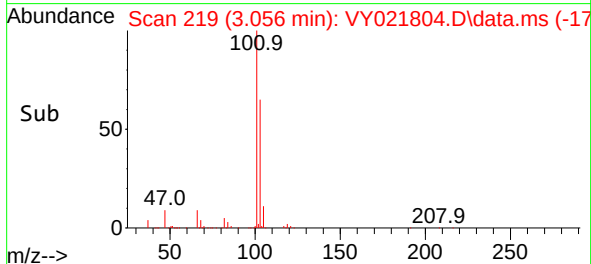
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 224789
Ion Ratio Lower Upper
101 100
103 64.5 53.1 79.7

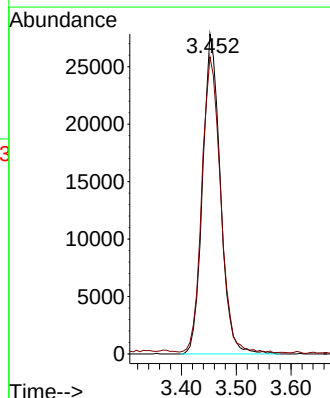
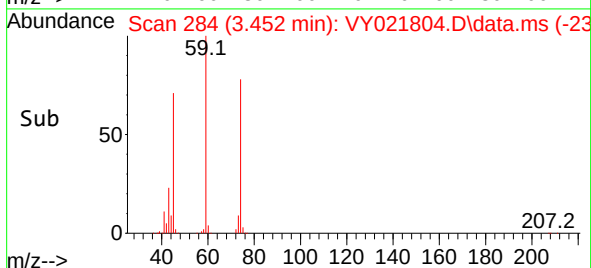
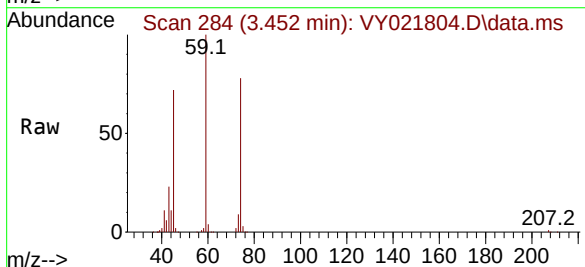
Manual Integrations
APPROVED

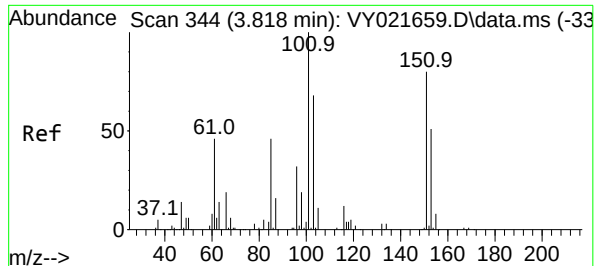
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#8
Diethyl Ether
Concen: 48.339 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 74 Resp: 62320
Ion Ratio Lower Upper
74 100
45 97.7 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.106 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:101 Resp: 12278

Ion Ratio Lower Upper

101 100

85 46.1 36.3 54.5

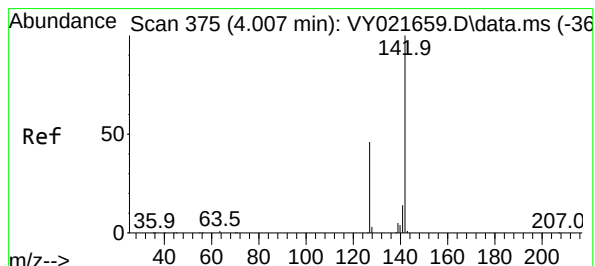
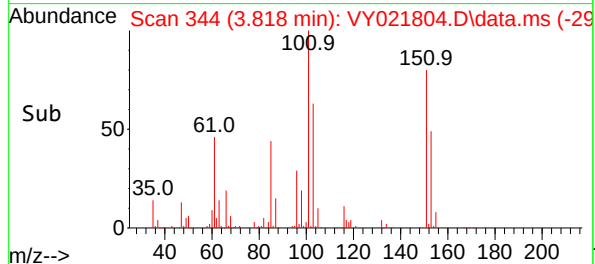
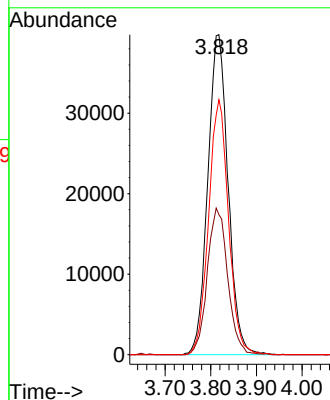
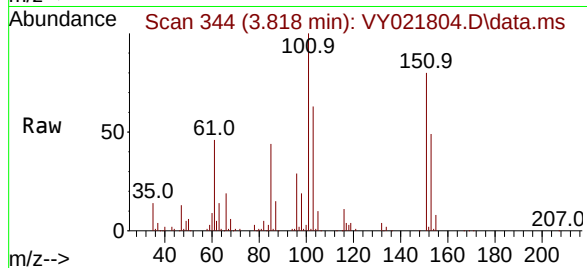
151 78.1 61.3 91.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#10

Methyl Iodide

Concen: 54.276 ug/l

RT: 4.001 min Scan# 374

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

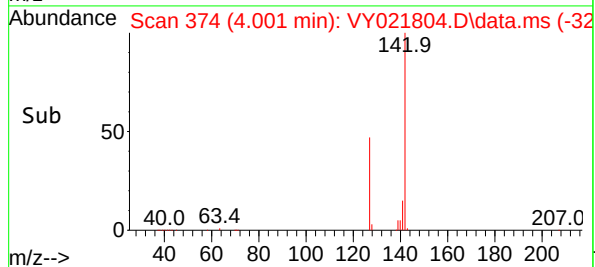
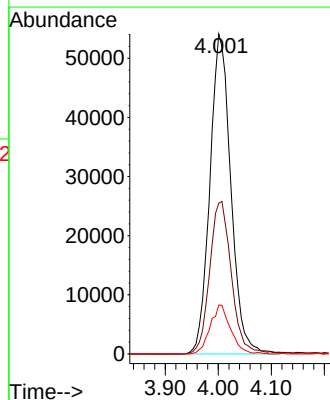
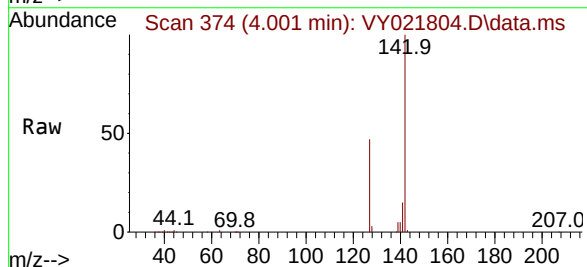
Tgt Ion:142 Resp: 148881

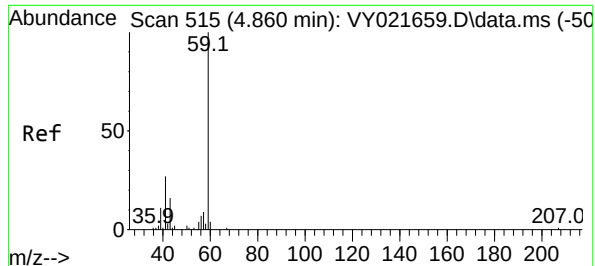
Ion Ratio Lower Upper

142 100

127 49.5 38.7 58.1

141 14.8 11.5 17.3





#11

Tert butyl alcohol

Concen: 243.094 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 3841

Ion Ratio Lower Upper

59 100

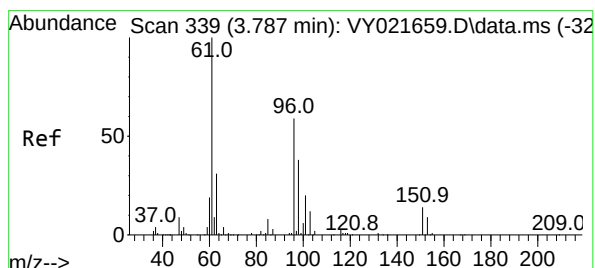
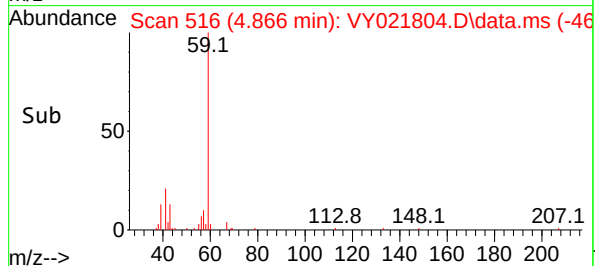
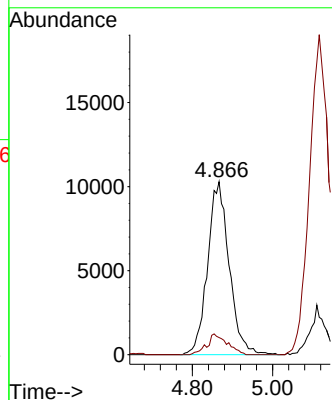
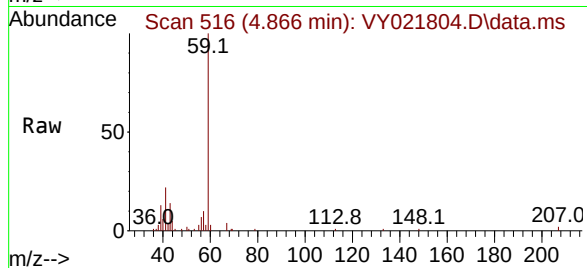
57 11.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#12

1,1-Dichloroethene

Concen: 49.389 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

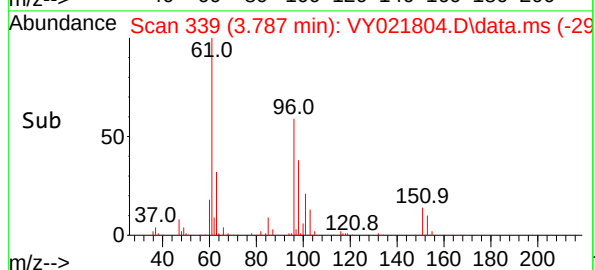
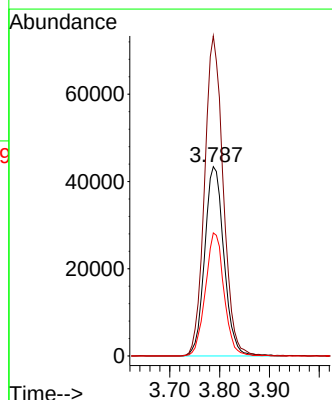
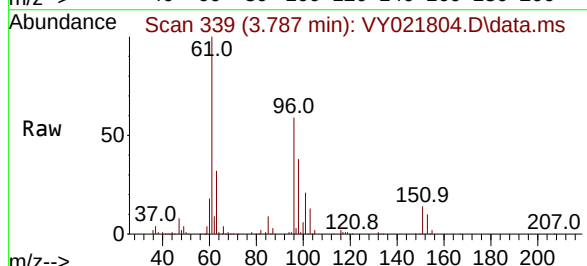
Tgt Ion: 96 Resp: 116318

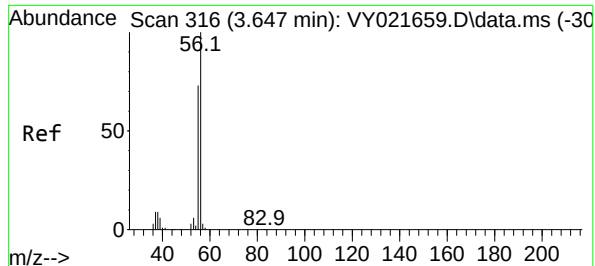
Ion Ratio Lower Upper

96 100

61 169.1 136.6 204.8

98 65.0 52.3 78.5





#13

Acrolein

Concen: 78.732 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 22710

Ion Ratio Lower Upper

56 100

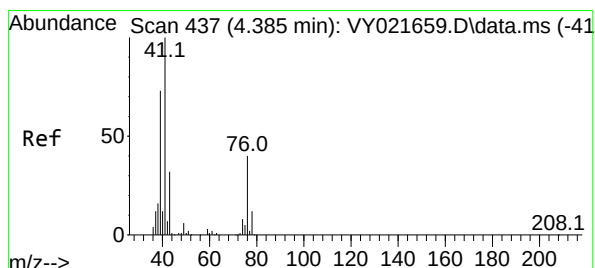
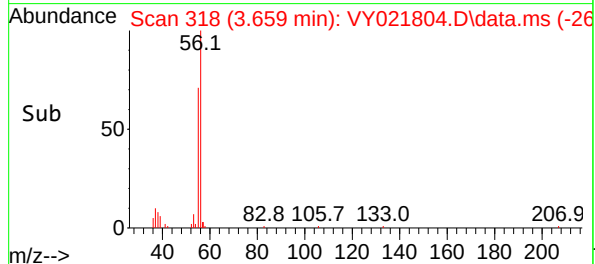
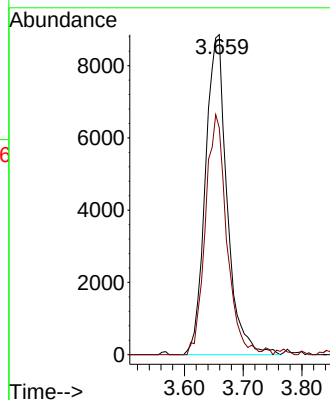
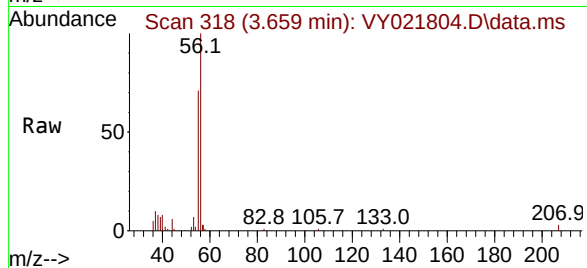
55 73.5 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#14

Allyl chloride

Concen: 49.061 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

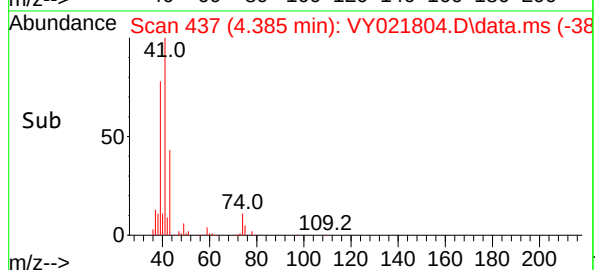
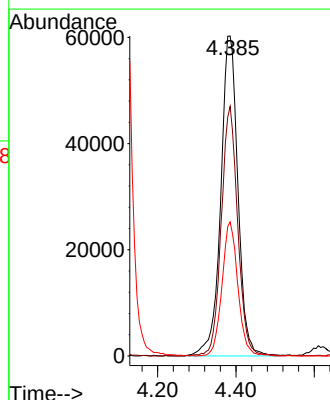
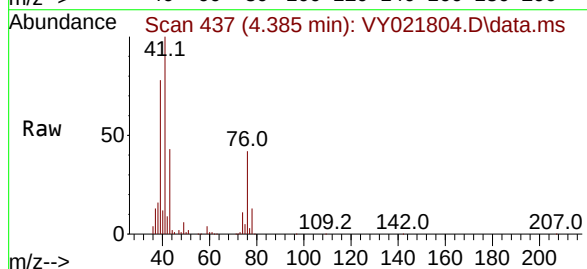
Tgt Ion: 41 Resp: 184227

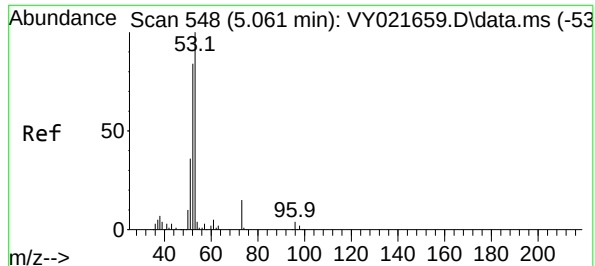
Ion Ratio Lower Upper

41 100

39 74.7 58.6 88.0

76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 253.002 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 13619

Ion Ratio Lower Upper

53 100

52 82.7 64.9 97.3

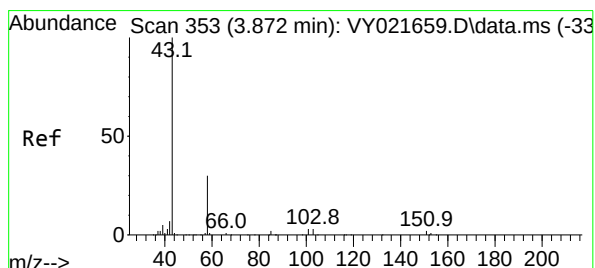
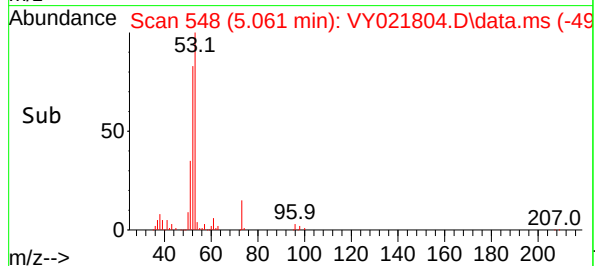
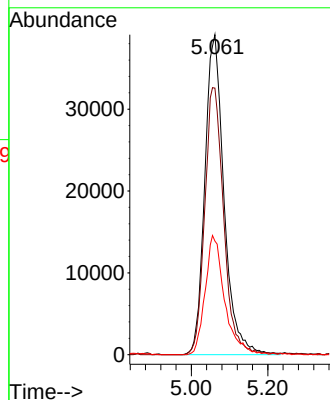
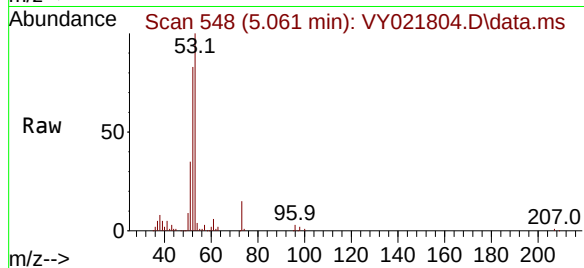
51 37.8 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#16

Acetone

Concen: 209.922 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY021804.D

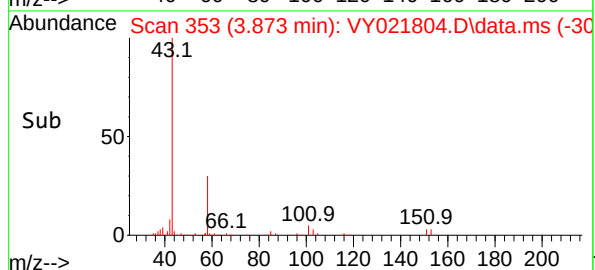
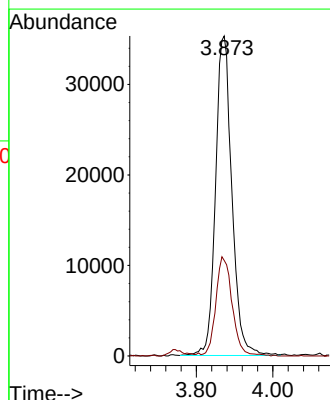
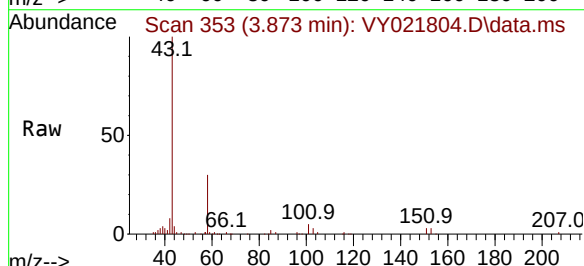
Acq: 07 Apr 2025 17:29

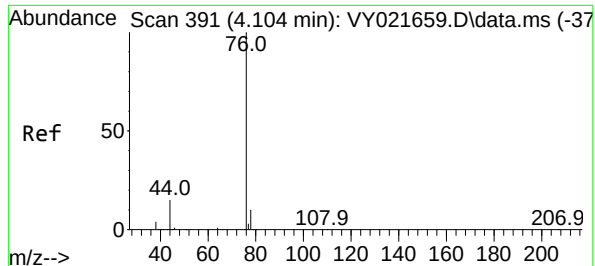
Tgt Ion: 43 Resp: 104517

Ion Ratio Lower Upper

43 100

58 29.9 24.2 36.4





#17

Carbon Disulfide

Concen: 46.691 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 36218

Ion Ratio Lower Upper

76 100

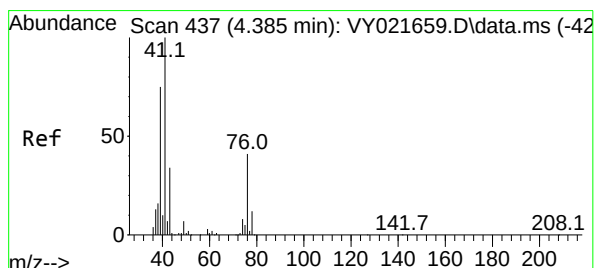
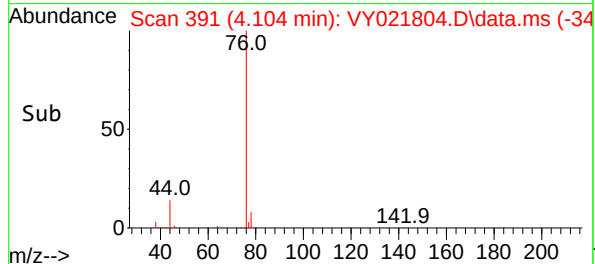
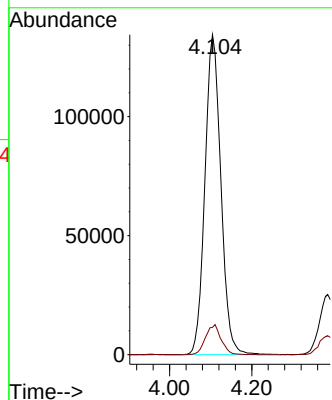
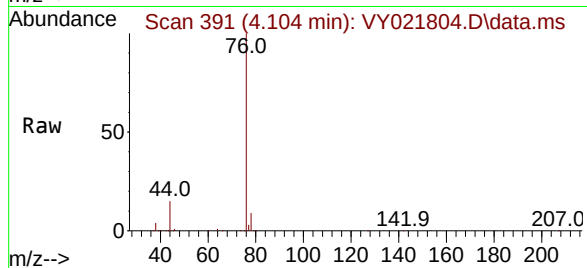
78 8.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#18

Methyl Acetate

Concen: 61.991 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021804.D

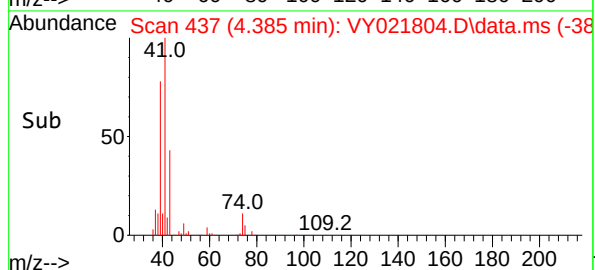
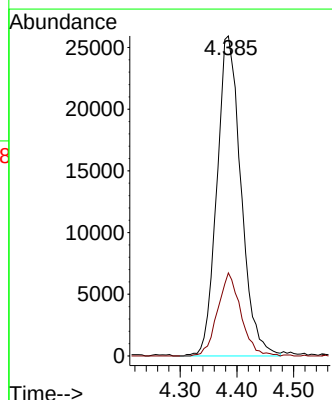
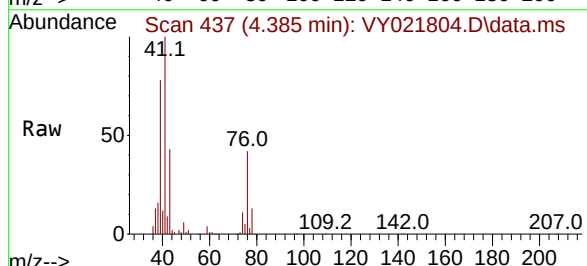
Acq: 07 Apr 2025 17:29

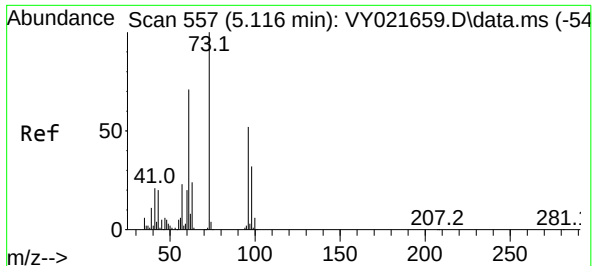
Tgt Ion: 43 Resp: 76494

Ion Ratio Lower Upper

43 100

74 25.1 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 51.489 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 30190

Ion Ratio Lower Upper

73 100

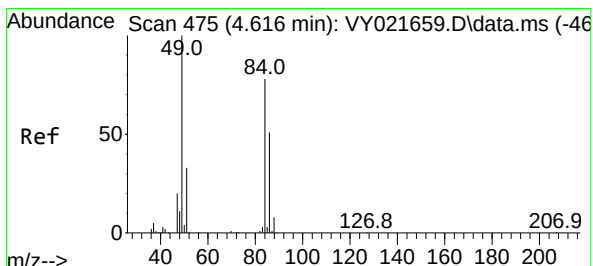
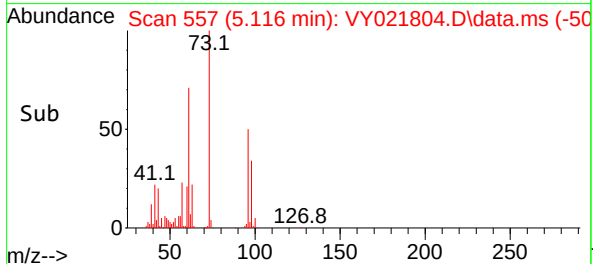
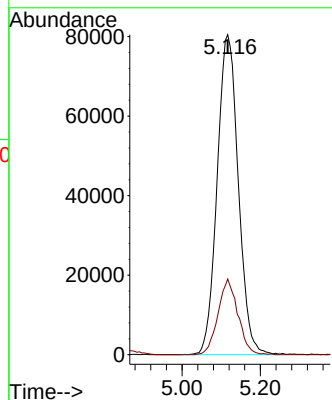
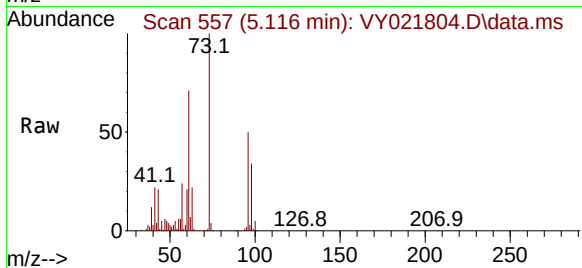
57 23.7 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#20

Methylene Chloride

Concen: 53.510 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion: 84 Resp: 129704

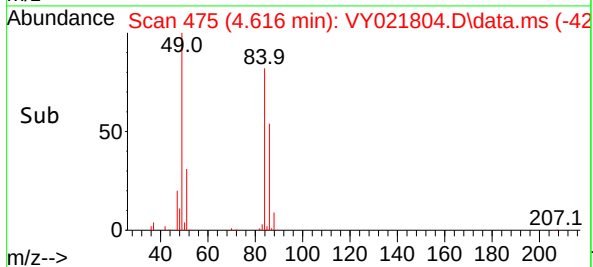
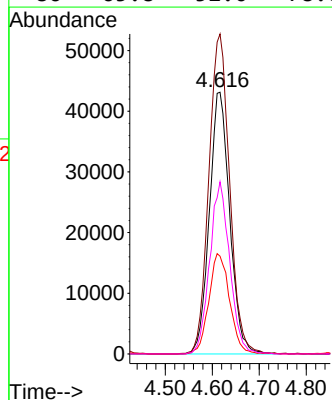
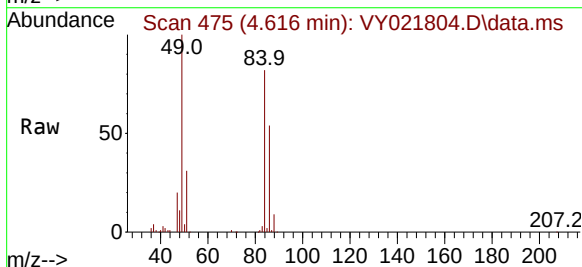
Ion Ratio Lower Upper

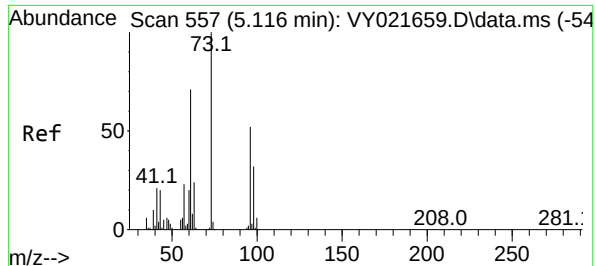
84 100

49 122.1 102.8 154.2

51 37.4 33.5 50.3

86 65.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 49.480 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 128300

Ion Ratio Lower Upper

96 100

61 137.3 109.4 164.0

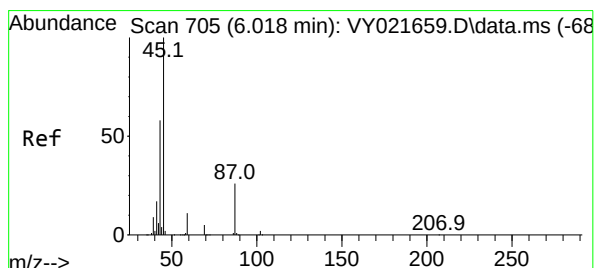
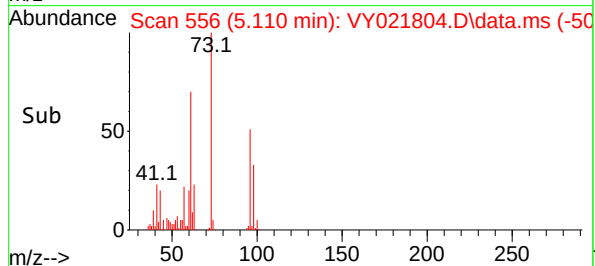
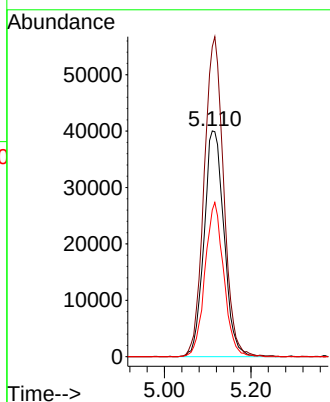
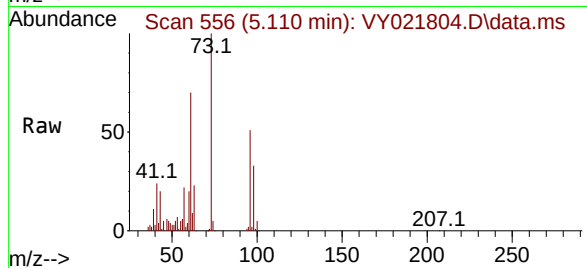
98 64.9 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#22

Diisopropyl ether

Concen: 51.594 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion: 45 Resp: 406412

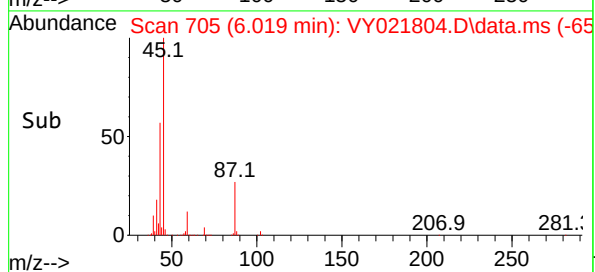
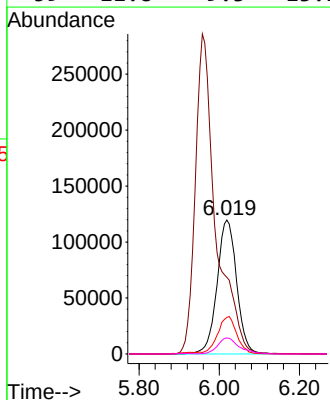
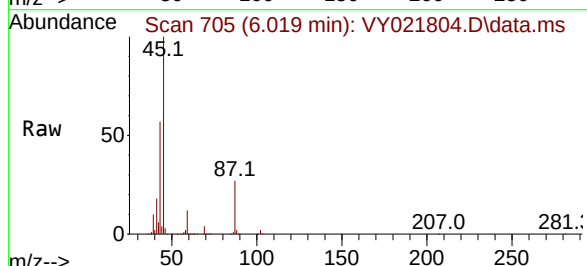
Ion Ratio Lower Upper

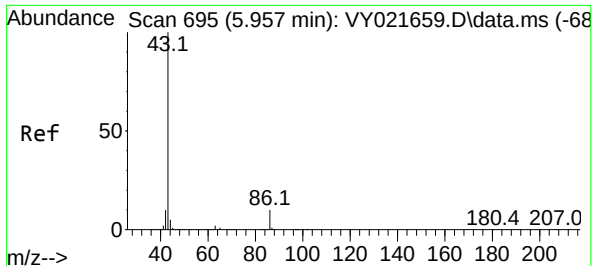
45 100

43 56.9 46.6 69.8

87 27.2 20.7 31.1

59 11.8 9.3 13.9





#23

Vinyl Acetate

Concen: 218.278 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 100585

Ion Ratio Lower Upper

43 100

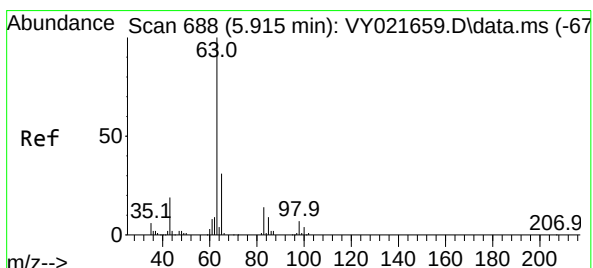
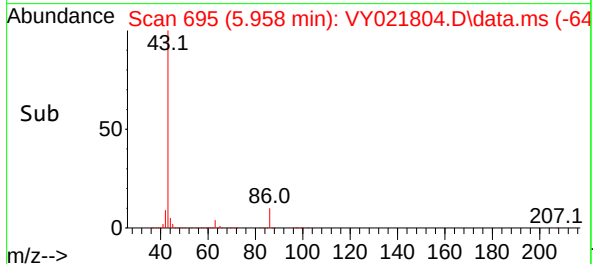
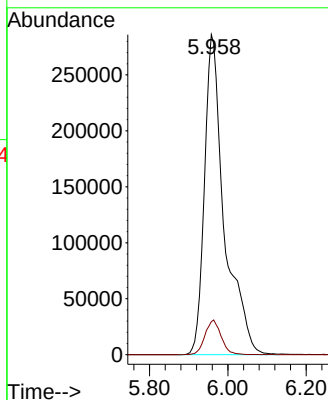
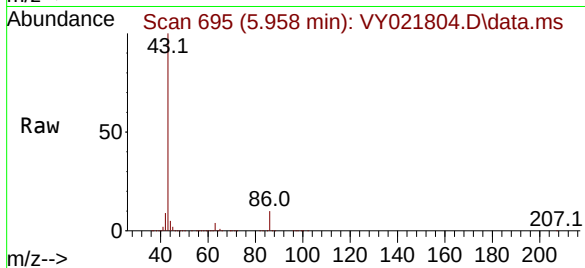
86 10.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#24

1,1-Dichloroethane

Concen: 49.834 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

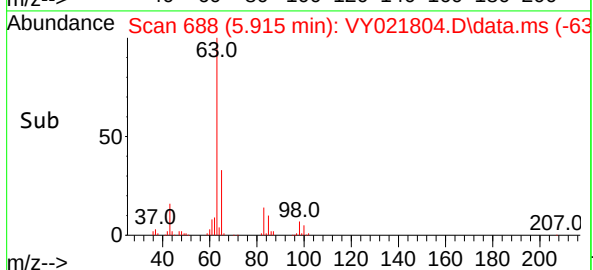
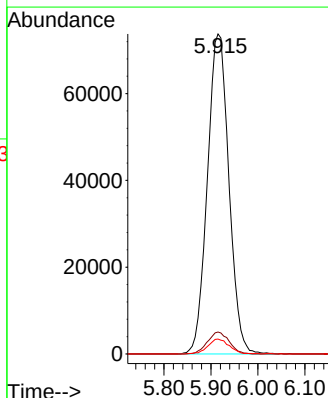
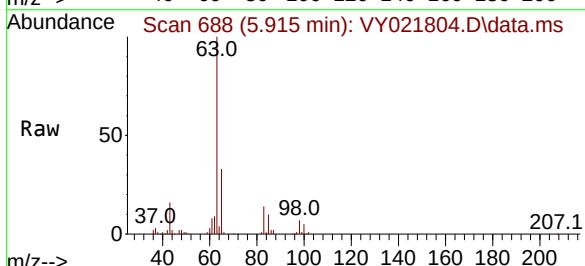
Tgt Ion: 63 Resp: 234722

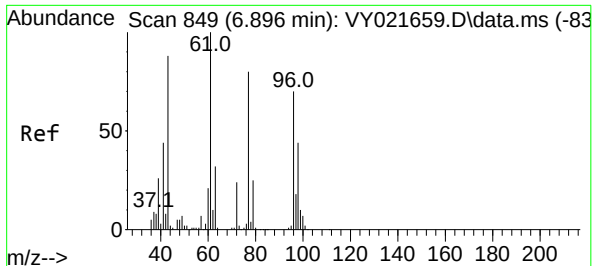
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 242.513 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050EC

Tgt Ion: 43 Resp: 172460

Ion Ratio Lower Upper

43 100

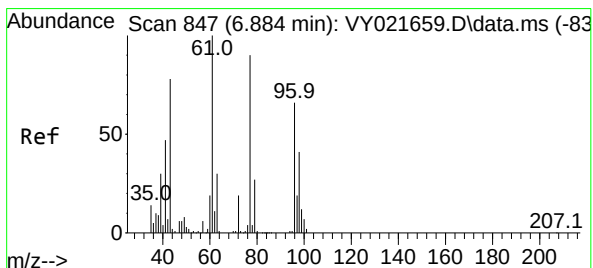
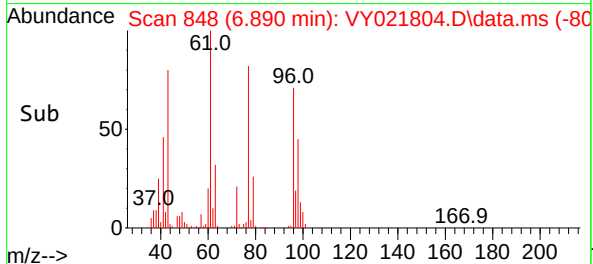
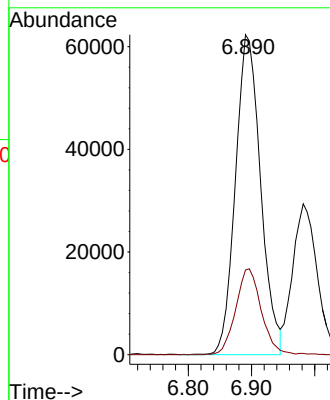
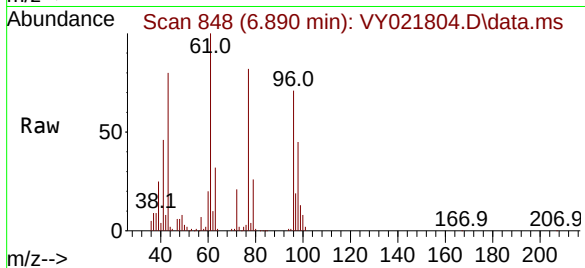
72 26.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#26

2,2-Dichloropropane

Concen: 48.532 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021804.D

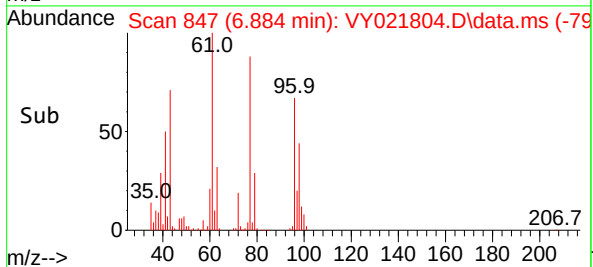
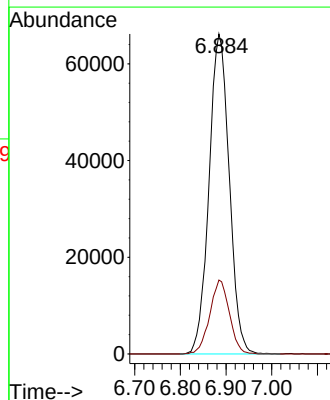
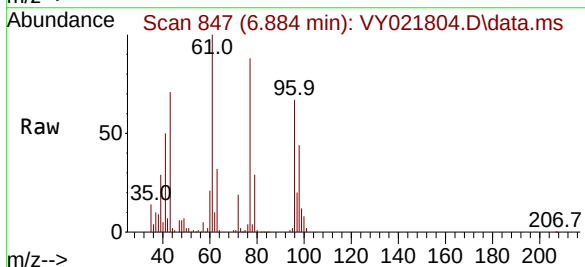
Acq: 07 Apr 2025 17:29

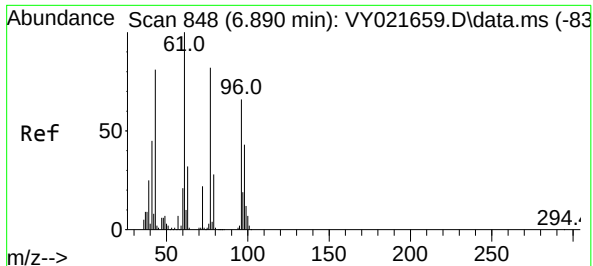
Tgt Ion: 77 Resp: 203337

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.515 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 14730

Ion Ratio Lower Upper

96 100

61 145.1 0.0 296.4

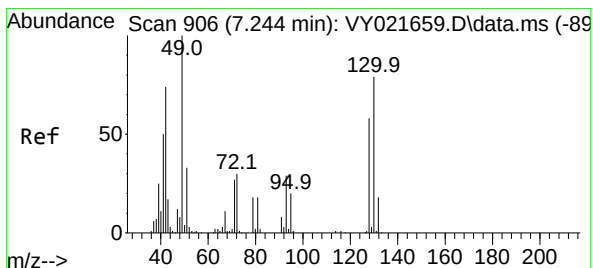
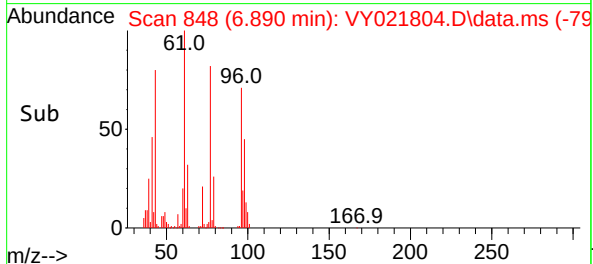
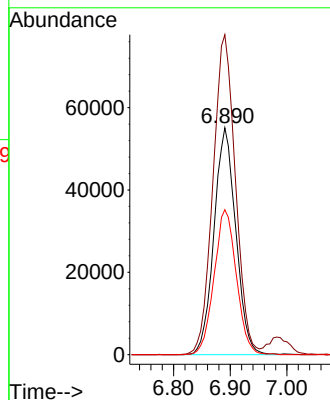
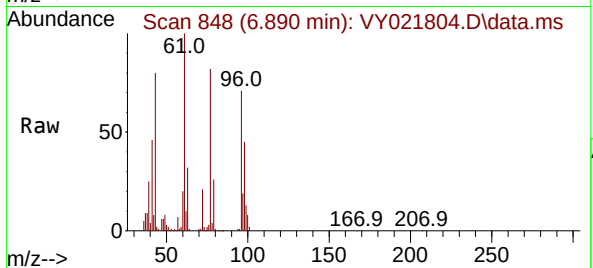
98 65.4 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#28

Bromochloromethane

Concen: 49.382 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

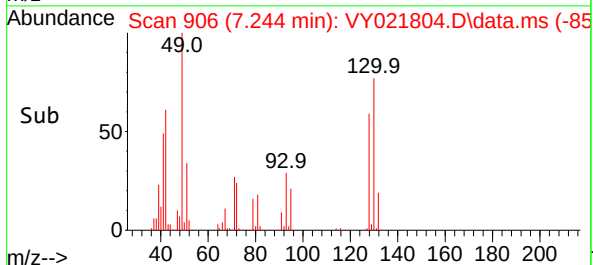
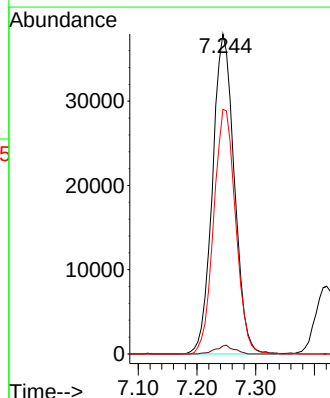
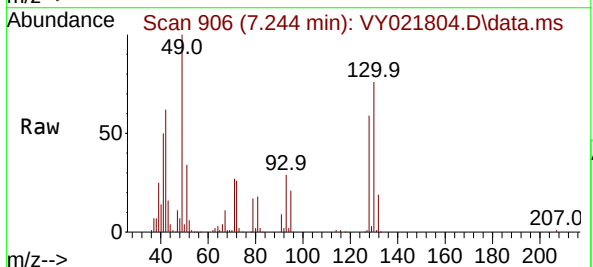
Tgt Ion: 49 Resp: 98094

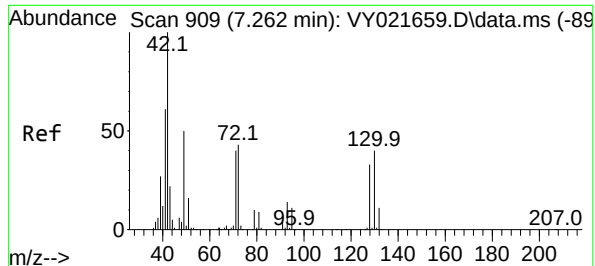
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.6 60.1 90.1





#29

Tetrahydrofuran

Concen: 258.784 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 118440

Ion Ratio Lower Upper

42 100

72 43.6 34.6 52.0

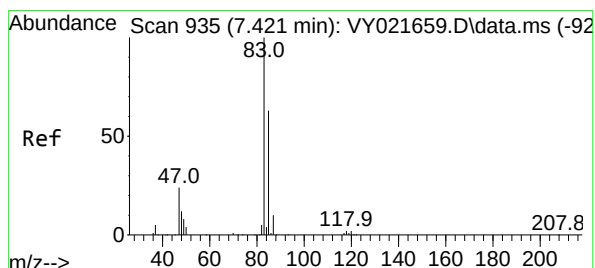
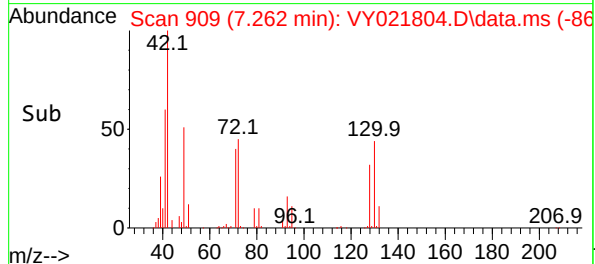
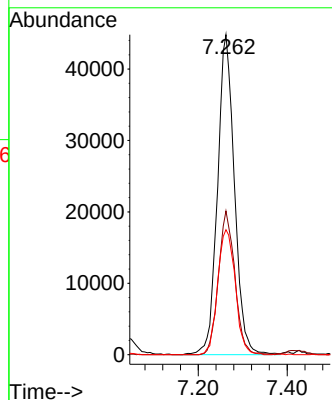
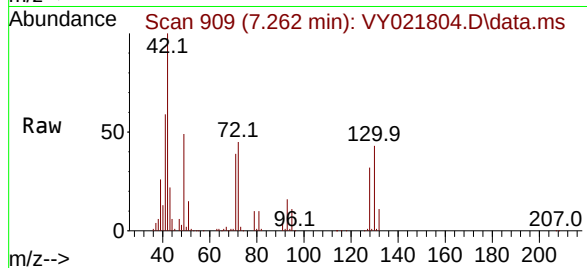
71 40.6 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#30

Chloroform

Concen: 50.278 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021804.D

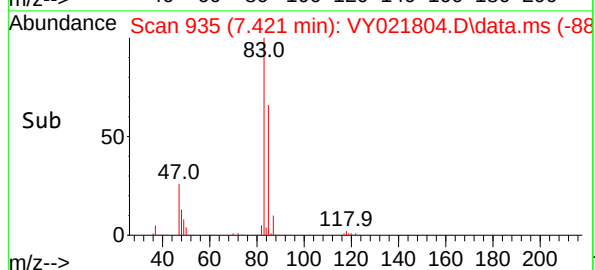
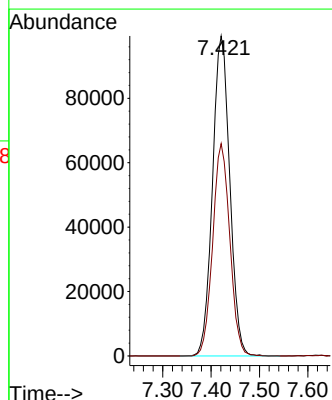
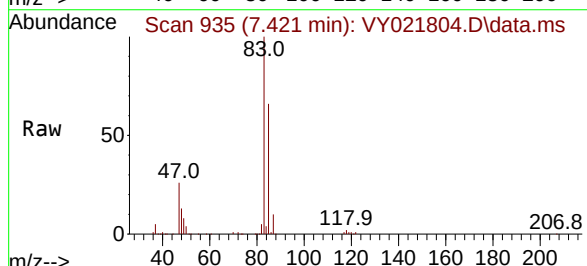
Acq: 07 Apr 2025 17:29

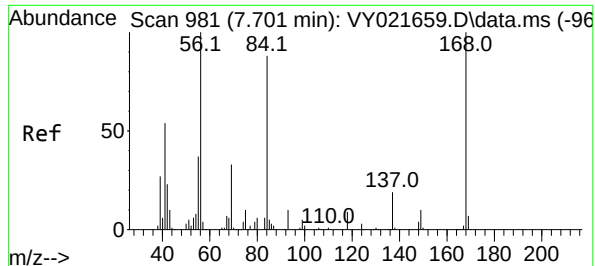
Tgt Ion: 83 Resp: 246310

Ion Ratio Lower Upper

83 100

85 66.4 50.6 75.8





#31

Cyclohexane

Concen: 47.519 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 204030

Ion Ratio Lower Upper

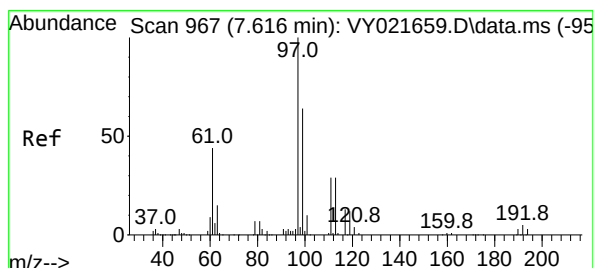
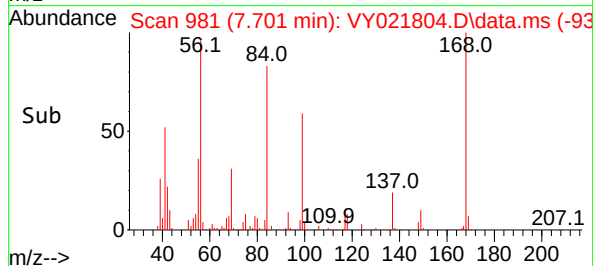
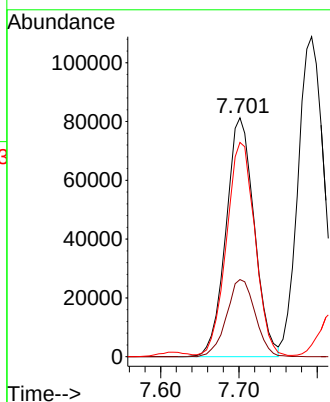
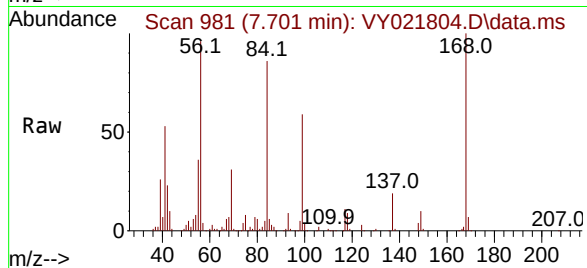
56 100

69 32.3 26.6 40.0

84 87.9 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#32

1,1,1-Trichloroethane

Concen: 49.982 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

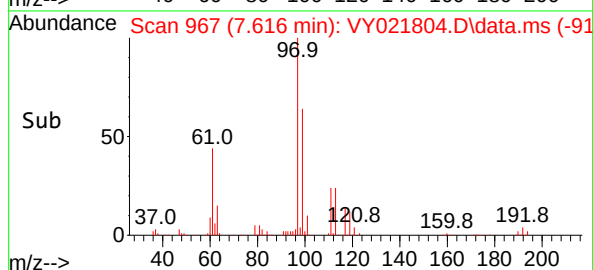
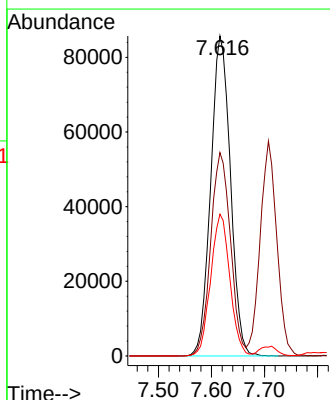
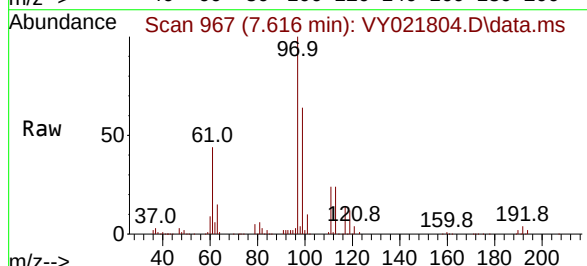
Tgt Ion: 97 Resp: 221309

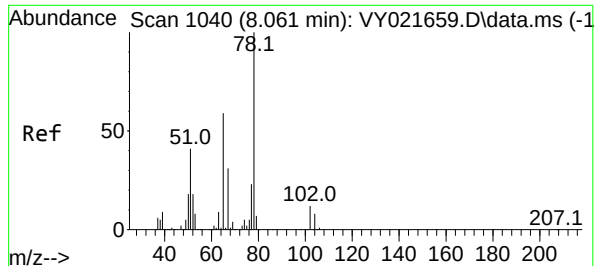
Ion Ratio Lower Upper

97 100

99 63.9 50.7 76.1

61 43.2 35.2 52.8





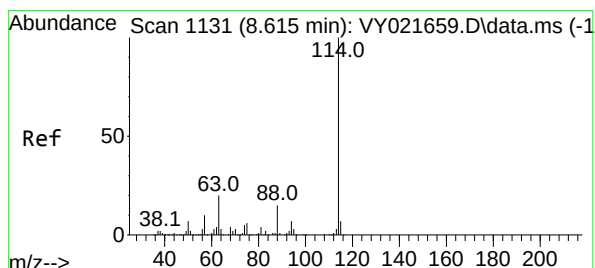
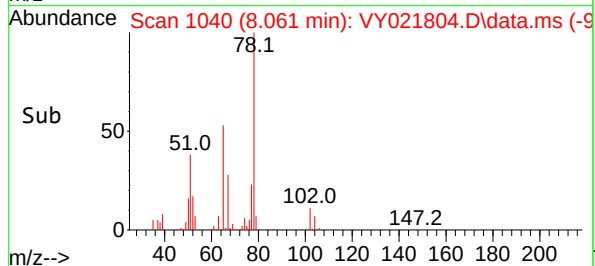
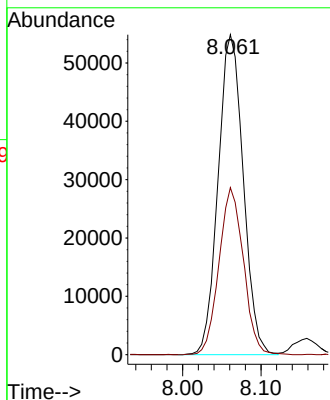
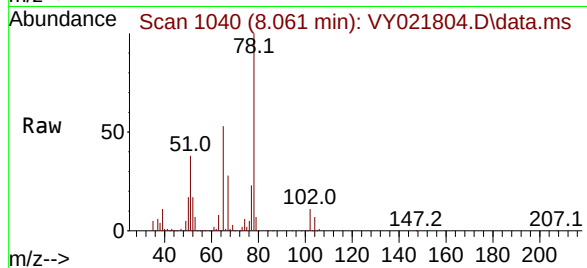
#33
1,2-Dichloroethane-d4
Concen: 50.315 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 122404
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.6

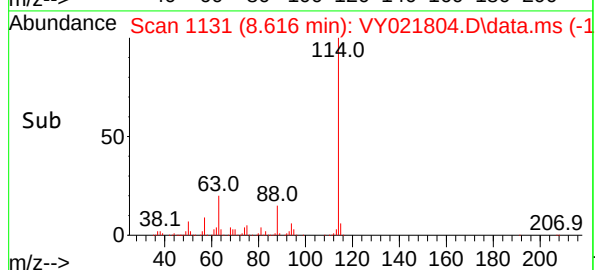
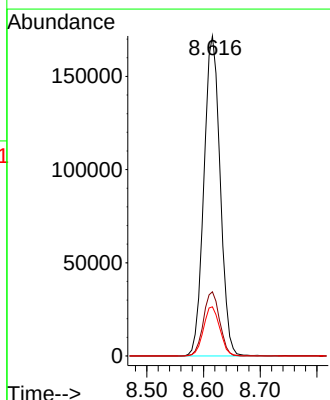
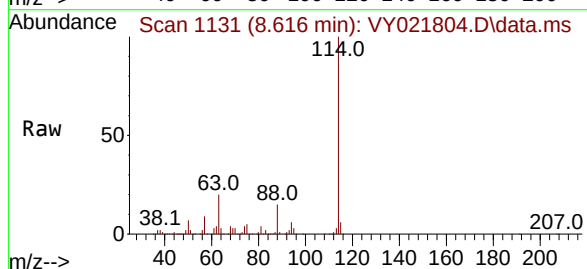
Manual Integrations
APPROVED

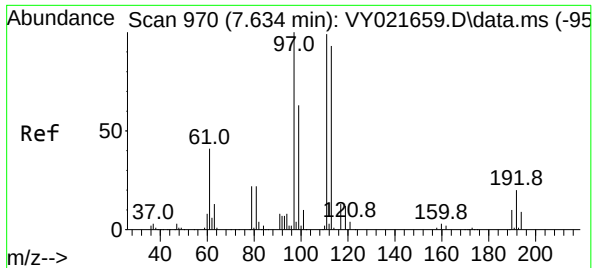
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:114 Resp: 341352
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 44.664 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 9889

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

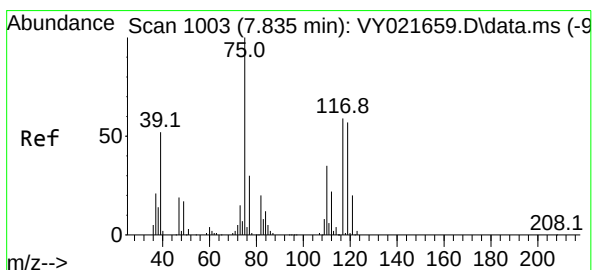
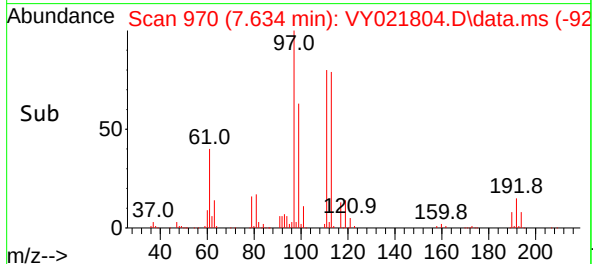
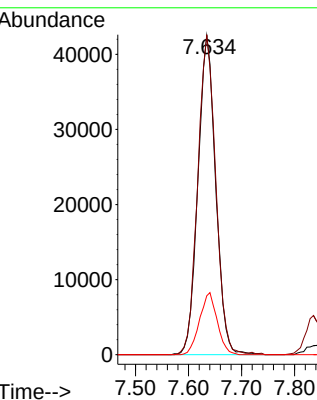
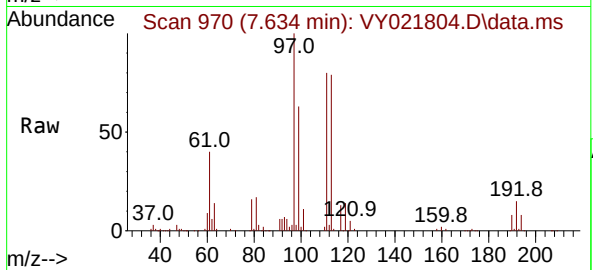
192 19.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#36

1,1-Dichloropropene

Concen: 51.820 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

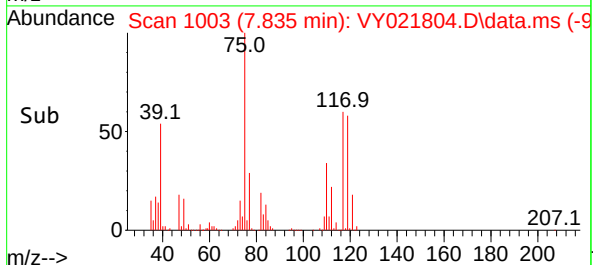
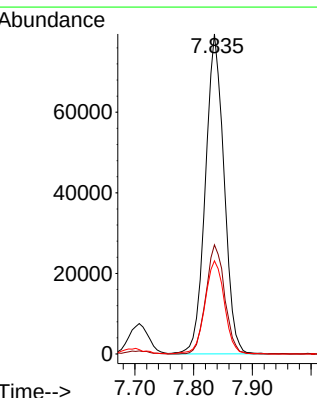
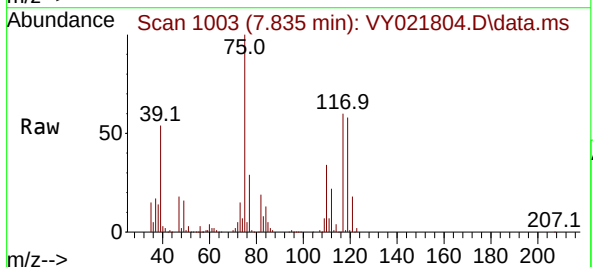
Tgt Ion: 75 Resp: 174776

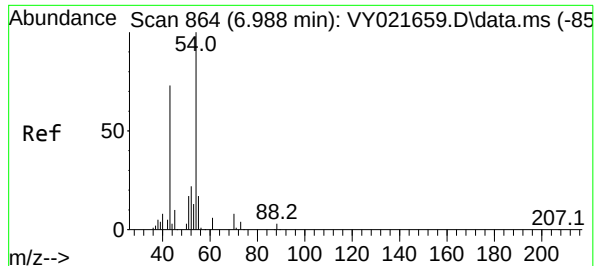
Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

77 30.5 24.8 37.2





#37

Ethyl Acetate

Concen: 50.589 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

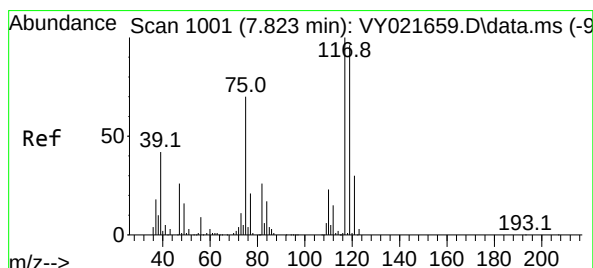
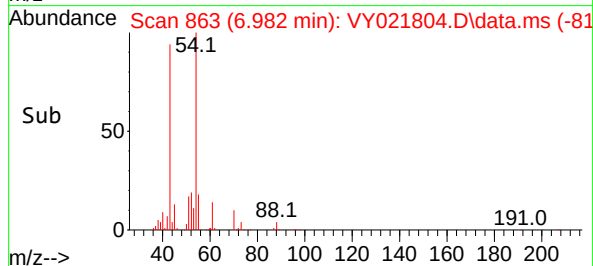
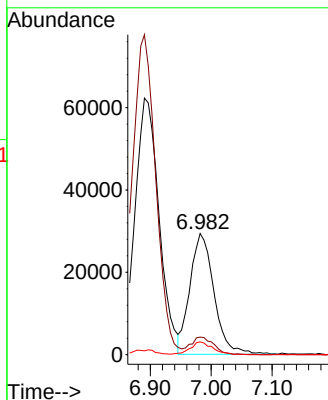
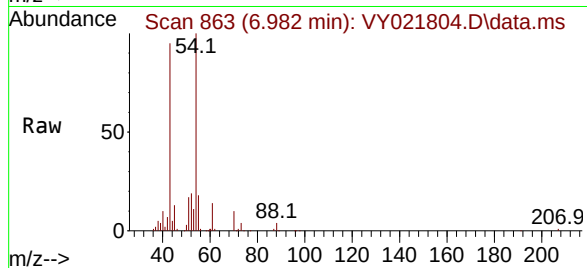
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	80524
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.0	16.6
70	9.9	8.1	12.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#38

Carbon Tetrachloride

Concen: 52.071 ug/l

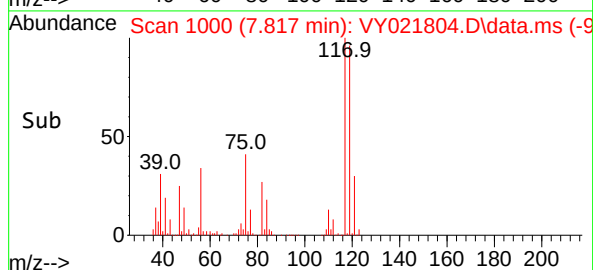
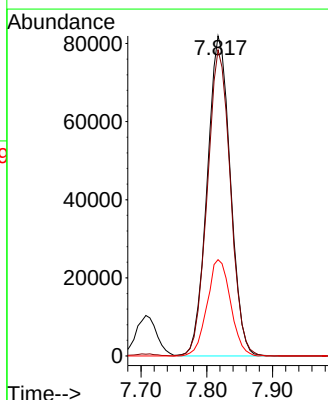
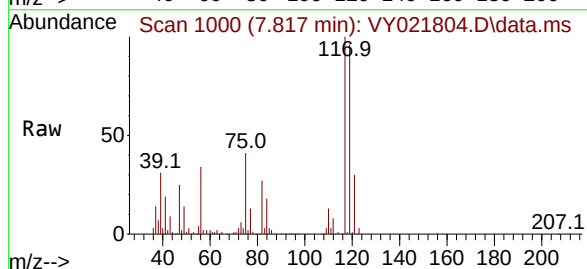
RT: 7.817 min Scan# 1000

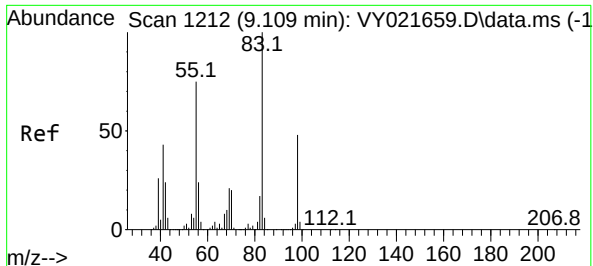
Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:	117	Resp:	201147
Ion Ratio	Lower	Upper	
117	100		
119	95.6	76.2	114.4
121	30.1	24.2	36.4





#39

Methylcyclohexane

Concen: 53.002 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

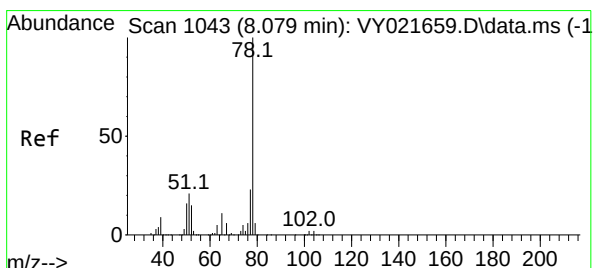
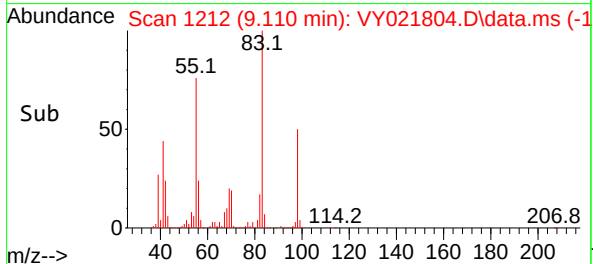
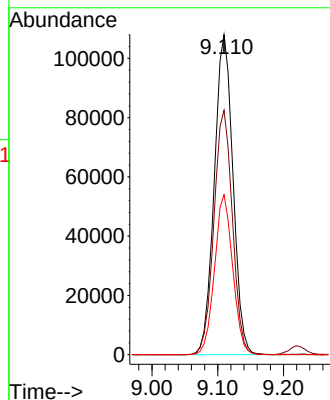
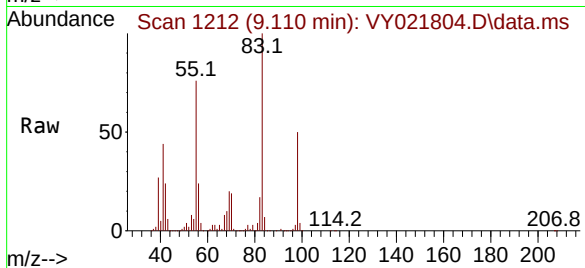
VSTDCCC050EC

Tgt Ion:	83	Resp:	213550
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	50.0	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#40

Benzene

Concen: 51.889 ug/l

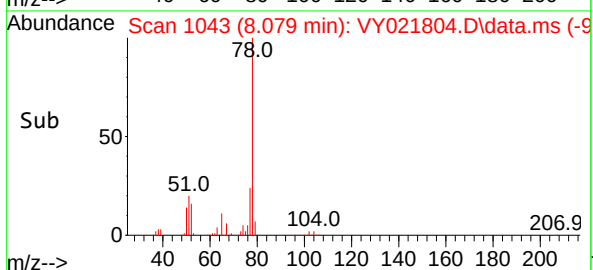
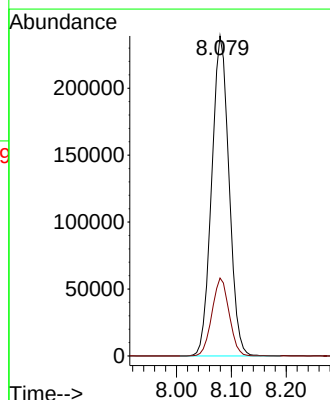
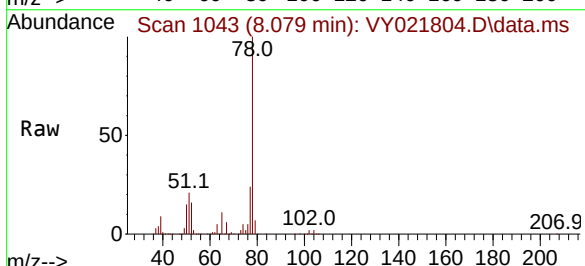
RT: 8.079 min Scan# 1043

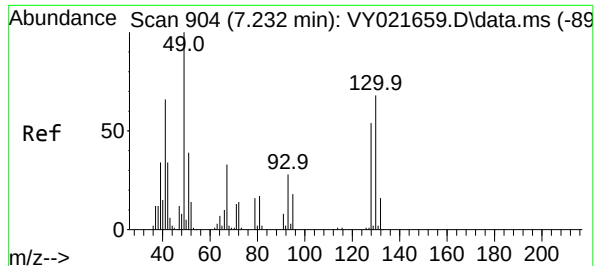
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:	78	Resp:	524100
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2





#41

Methacrylonitrile

Concen: 48.707 ug/l

RT: 7.226 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 4117

Ion Ratio Lower Upper

41 100

39 63.5 0.0 0.0

67 82.3 0.0 0.0

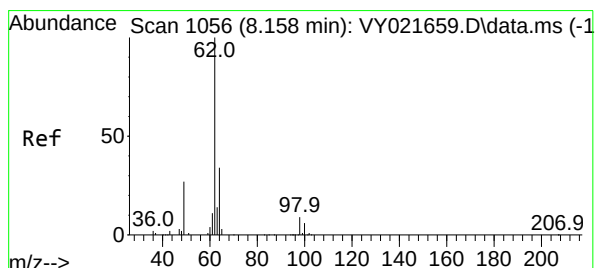
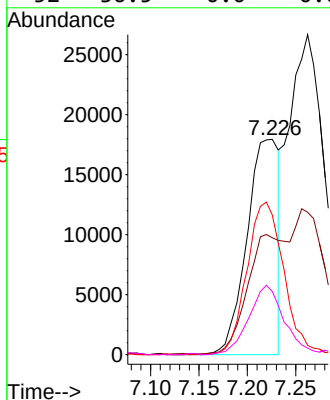
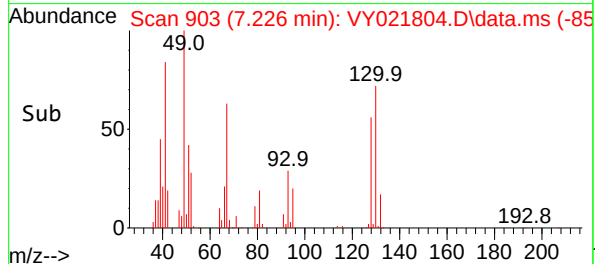
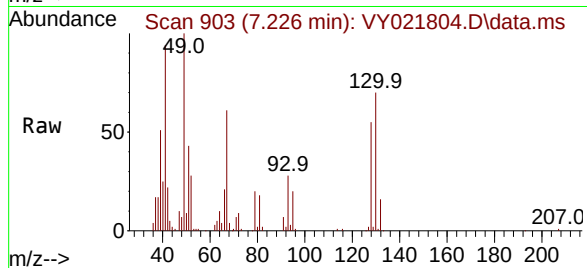
52 36.5 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#42

1,2-Dichloroethane

Concen: 52.720 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021804.D

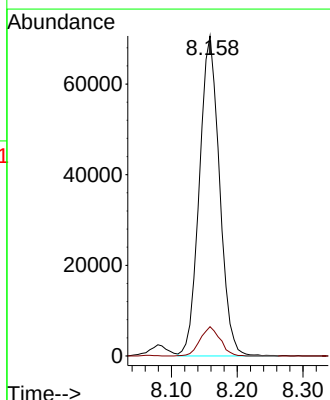
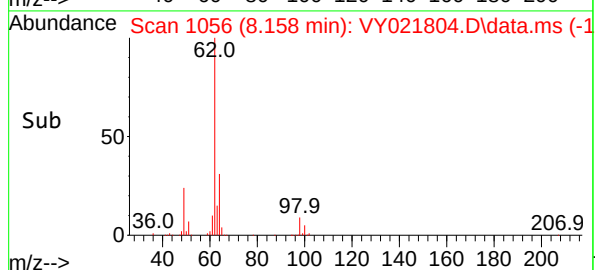
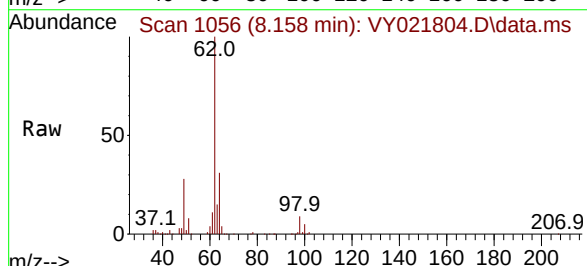
Acq: 07 Apr 2025 17:29

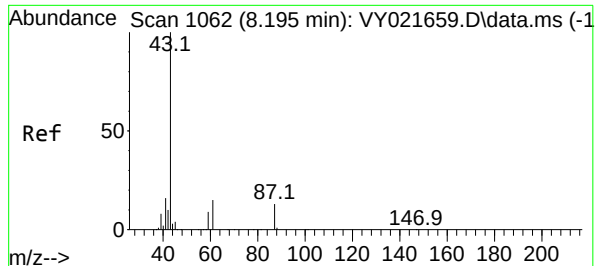
Tgt Ion: 62 Resp: 150119

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 52.690 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

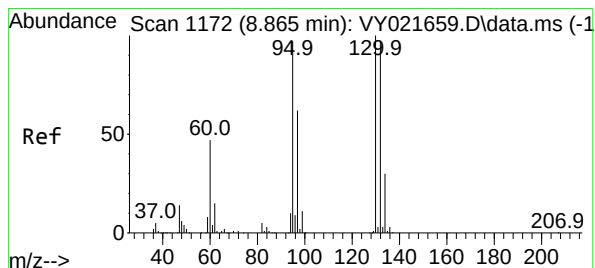
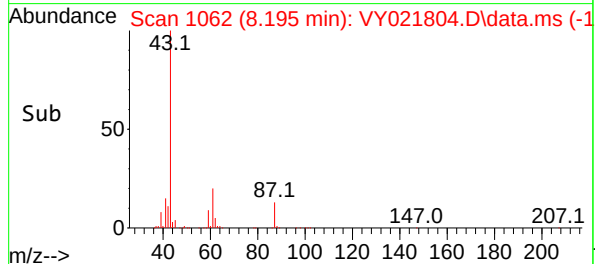
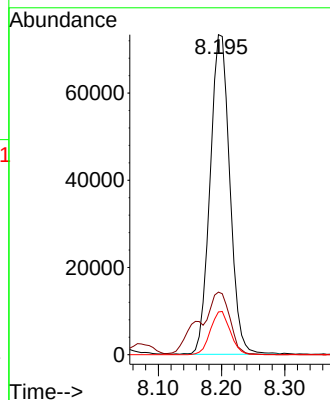
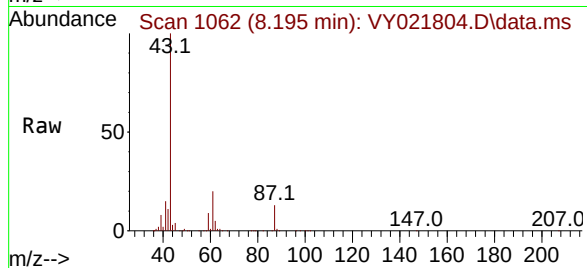
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	15893
Ion Ratio	Lower	Upper	
43	100		
61	20.7	15.9	23.9
87	13.6	10.4	15.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#44

Trichloroethene

Concen: 59.815 ug/l

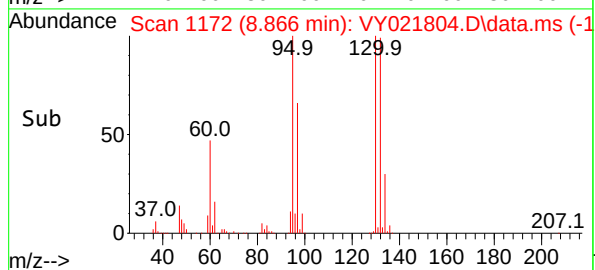
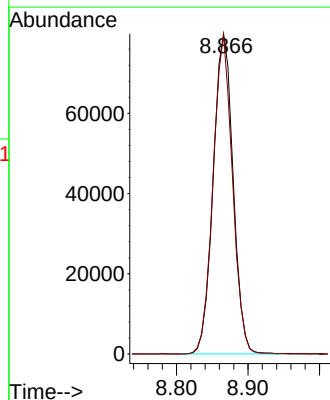
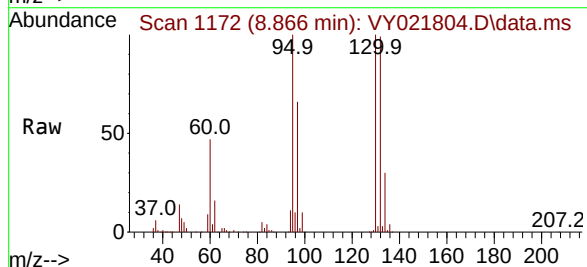
RT: 8.866 min Scan# 1172

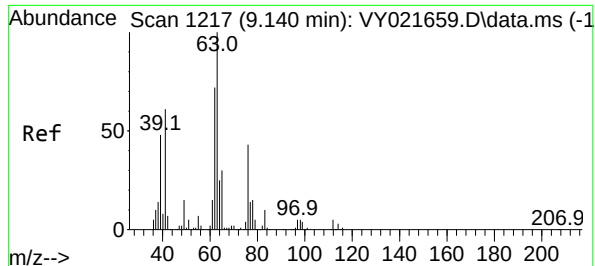
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:	130	Resp:	153934
Ion Ratio	Lower	Upper	
130	100		
95	99.7	0.0	194.8





#45

1,2-Dichloropropane

Concen: 52.726 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050EC

Tgt Ion: 63 Resp: 126060

Ion Ratio Lower Upper

63 100

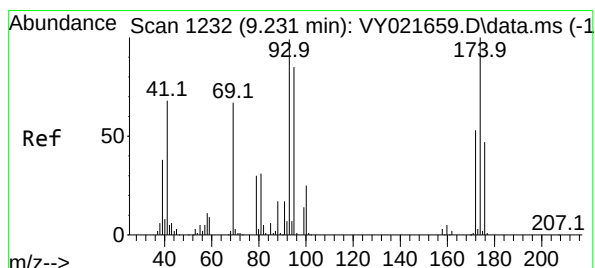
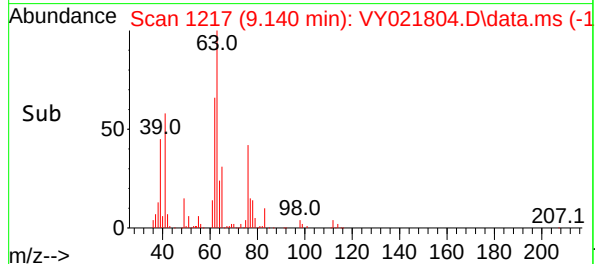
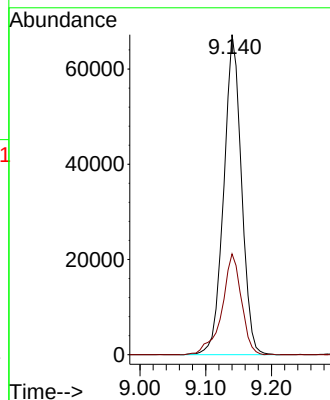
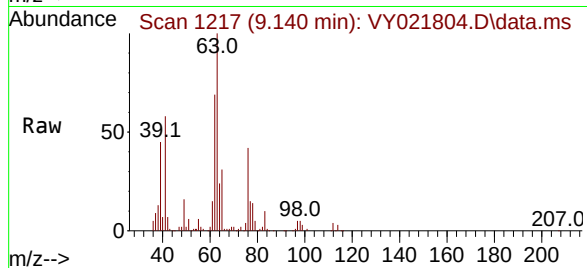
65 31.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#46

Dibromomethane

Concen: 52.805 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

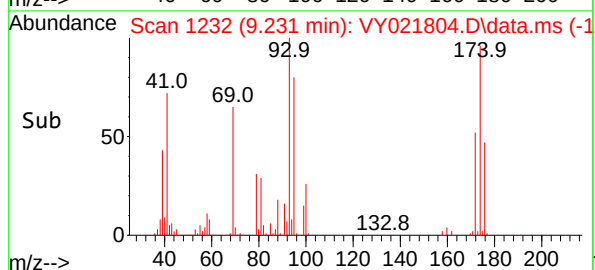
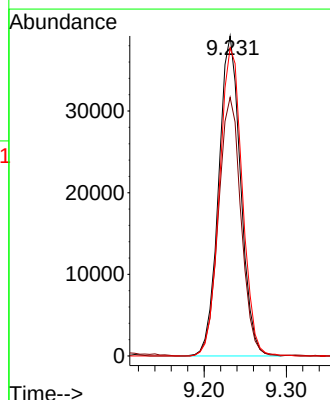
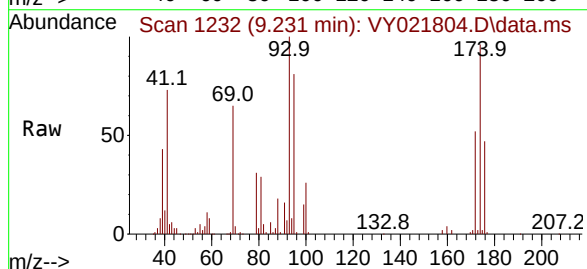
Tgt Ion: 93 Resp: 72759

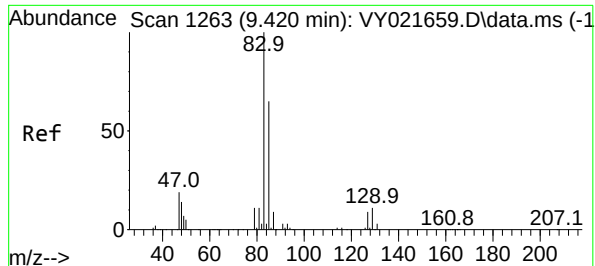
Ion Ratio Lower Upper

93 100

95 83.1 68.1 102.1

174 100.0 80.9 121.3





#47

Bromodichloromethane

Concen: 52.215 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

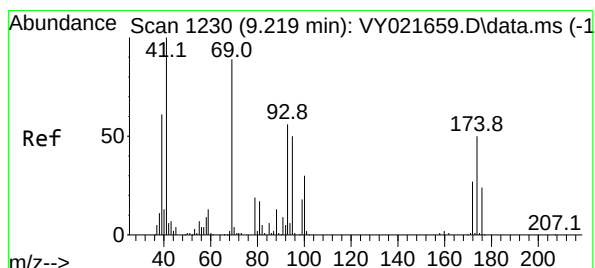
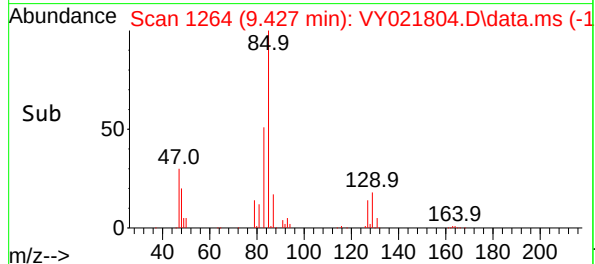
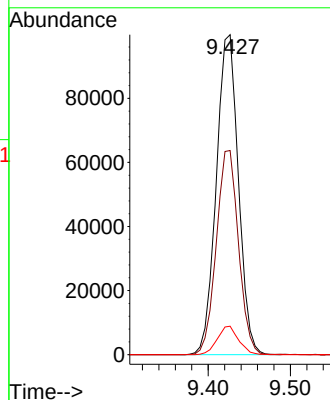
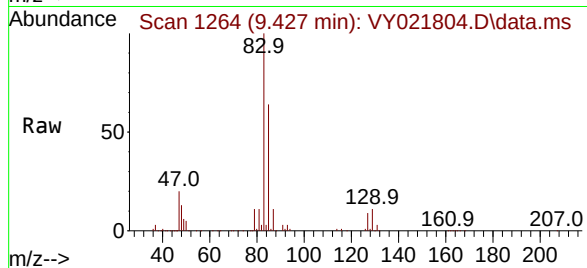
VSTDCCC050EC

Tgt Ion:	83	Resp:	18642
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.9	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#48

Methyl methacrylate

Concen: 54.600 ug/l

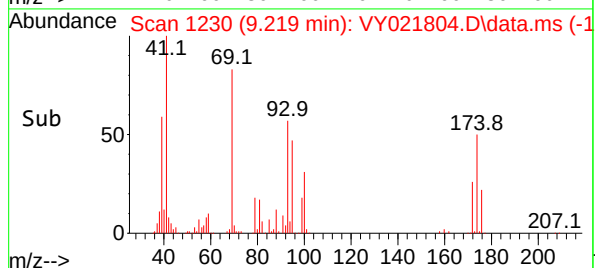
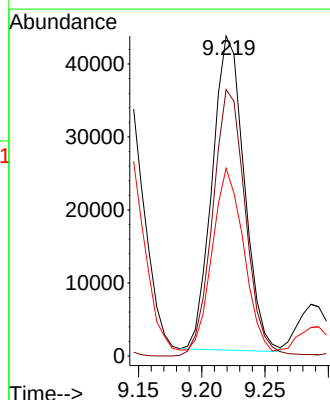
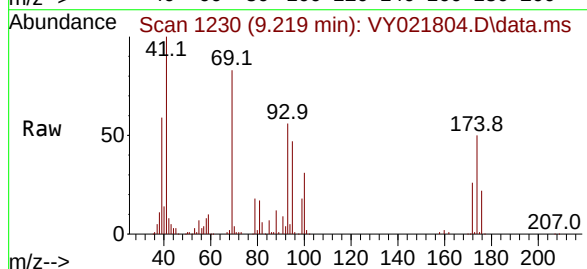
RT: 9.219 min Scan# 1230

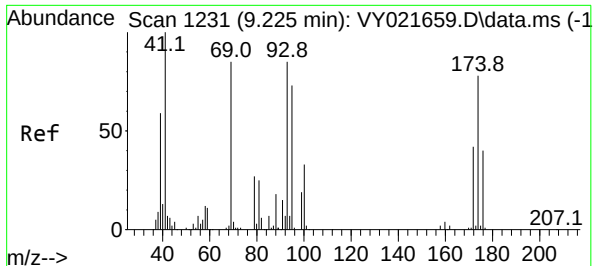
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:	41	Resp:	75589
Ion	Ratio	Lower	Upper
41	100		
69	87.0	69.8	104.8
39	56.9	47.2	70.8





#49

1,4-Dioxane

Concen: 1137.947 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

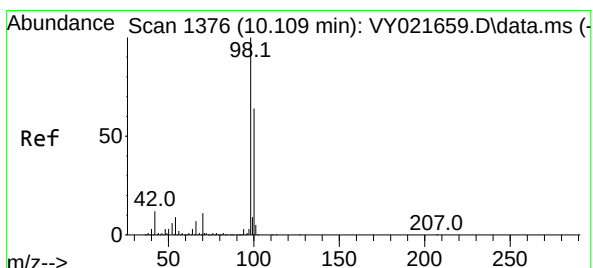
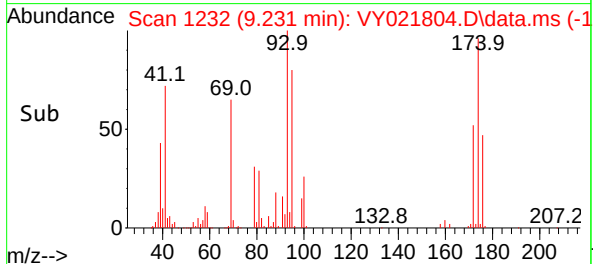
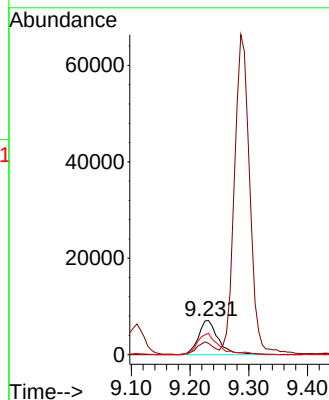
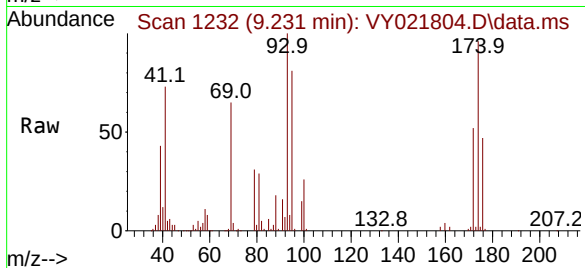
VSTDCCC050EC

Tgt Ion:	88	Resp:	1679
Ion Ratio	Lower	Upper	
88	100		
43	32.2	28.8	43.2
58	62.9	59.4	89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025



#50

Toluene-d8

Concen: 52.311 ug/l

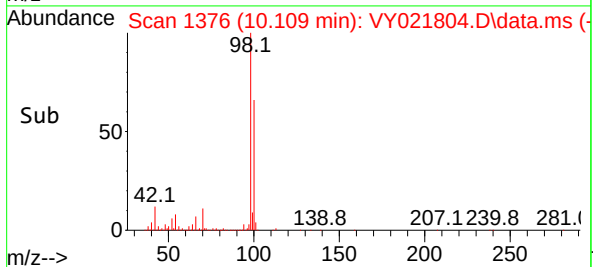
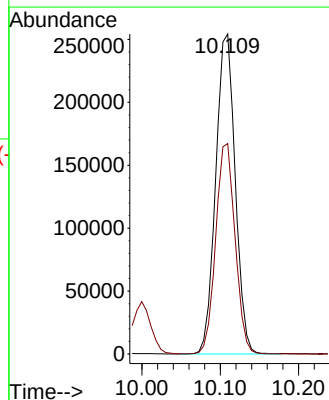
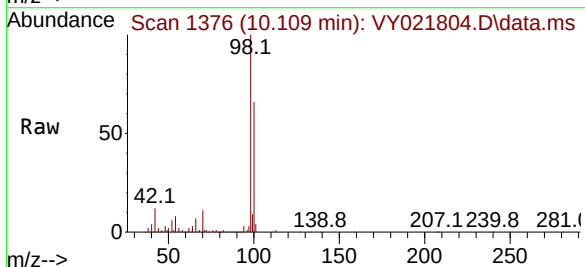
RT: 10.109 min Scan# 1376

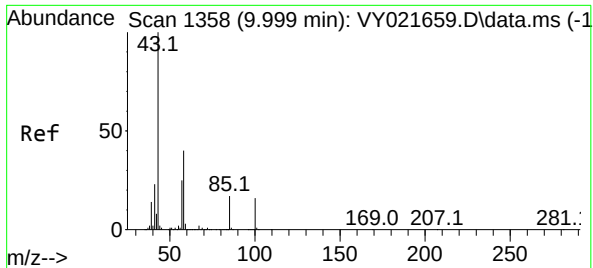
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

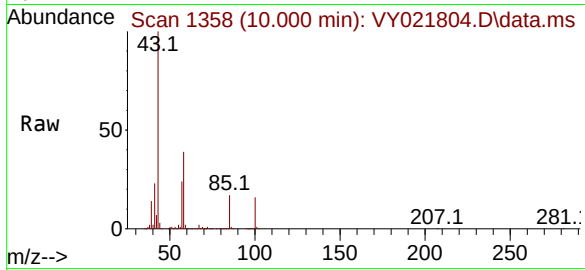
Tgt Ion:	98	Resp:	440661
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 278.979 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

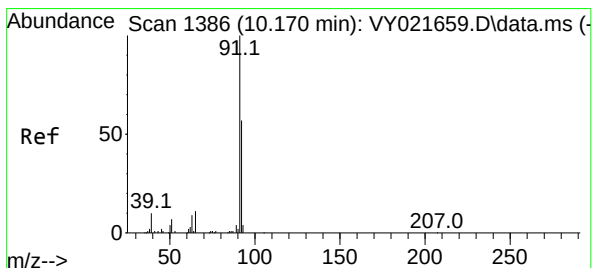
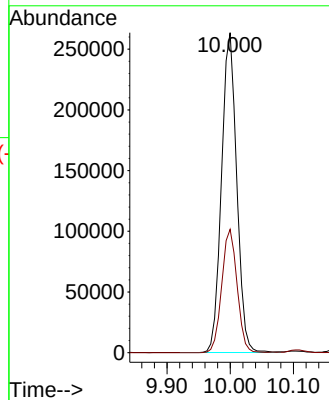
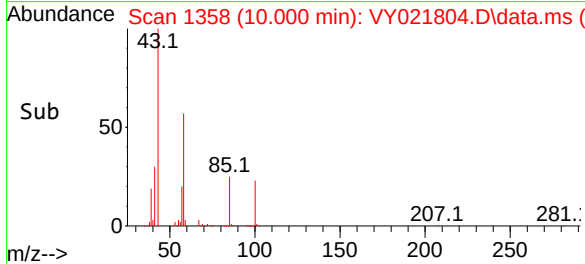
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 43792
Ion Ratio Lower Upper
43 100
58 38.9 31.5 47.3

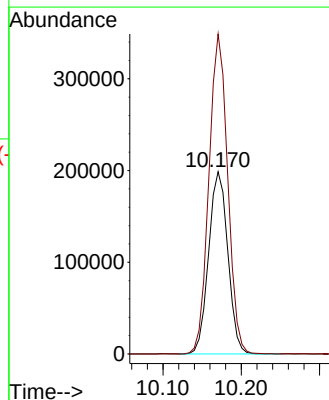
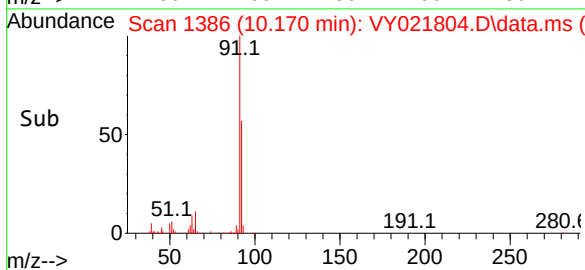
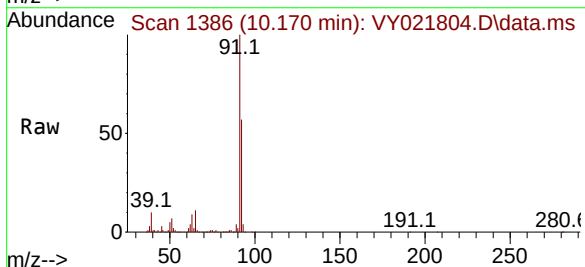
Manual Integrations
APPROVED

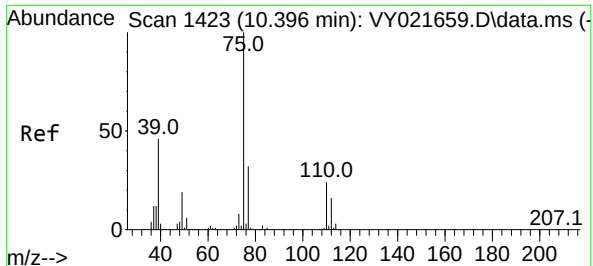
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#52
Toluene
Concen: 53.500 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

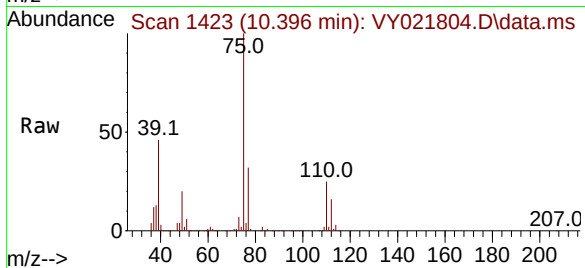
Tgt Ion: 92 Resp: 337143
Ion Ratio Lower Upper
92 100
91 172.3 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 52.154 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

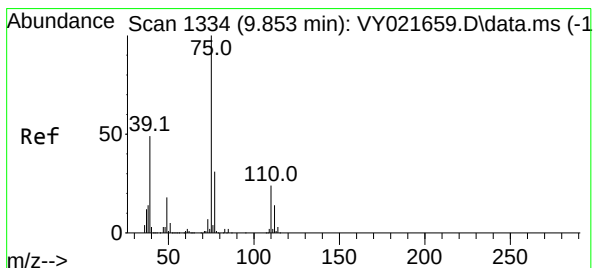
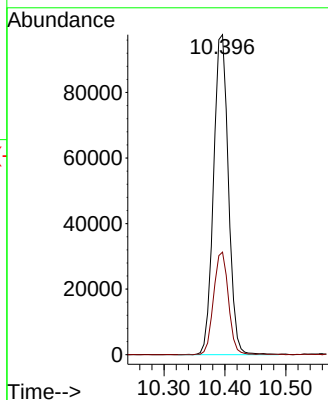
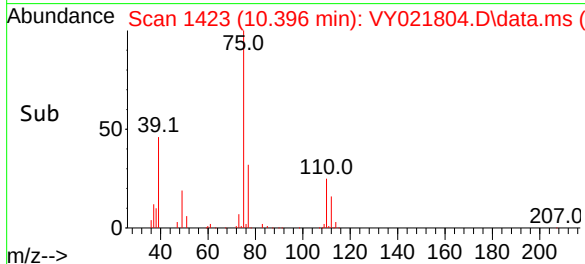
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 165390
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9

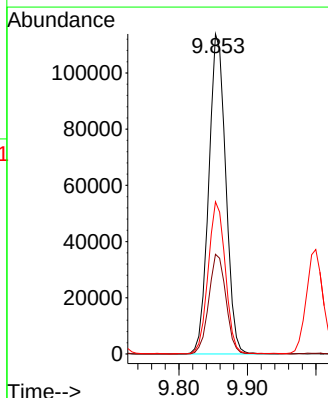
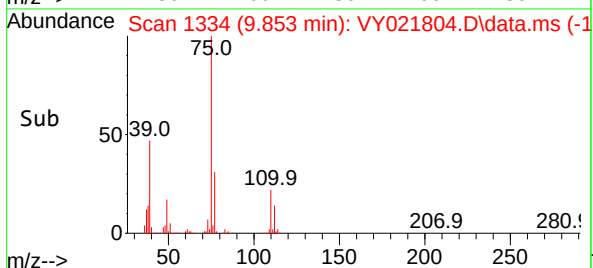
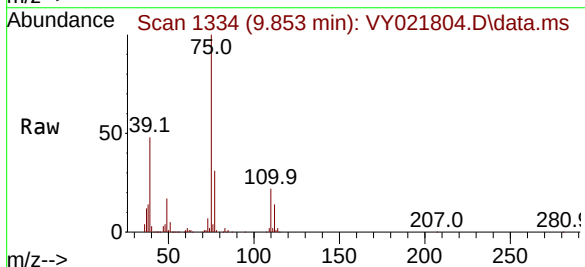
Manual Integrations
APPROVED

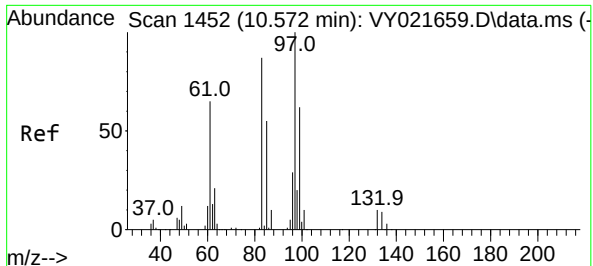
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#54
cis-1,3-Dichloropropene
Concen: 52.346 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

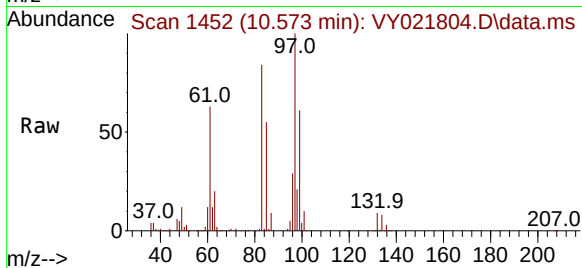
Tgt Ion: 75 Resp: 195840
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 47.5 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 53.949 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

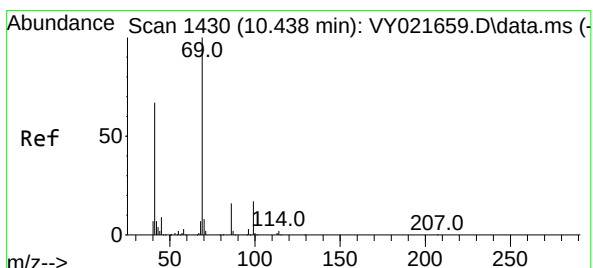
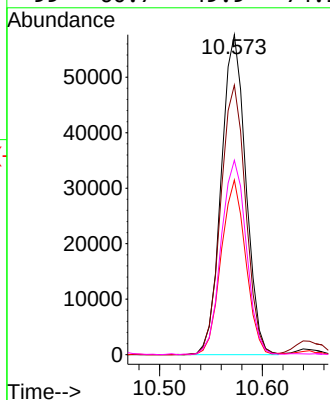
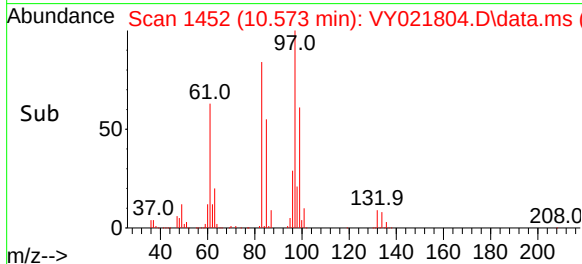
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:	97	Resp:	9566
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.5	104.3
85	54.6	43.9	65.9
99	60.7	49.9	74.9

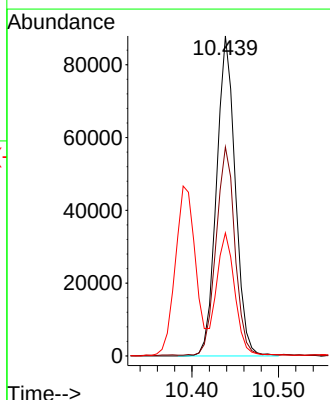
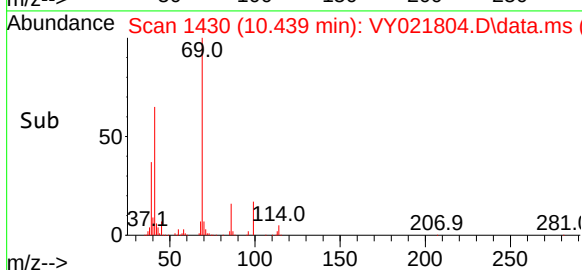
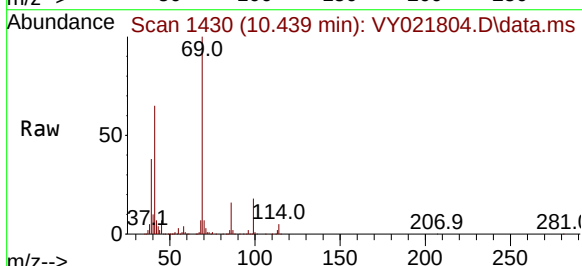
Manual Integrations
APPROVED

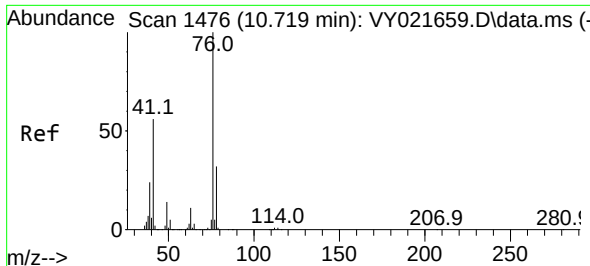
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#56
Ethyl methacrylate
Concen: 58.234 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

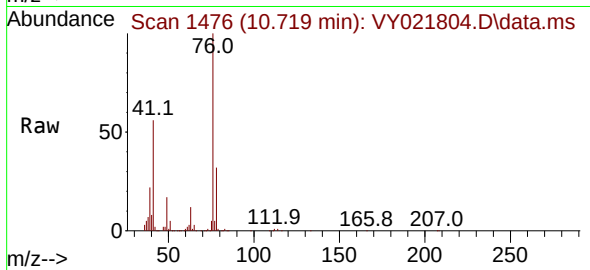
Tgt Ion:	69	Resp:	131852
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.8	80.6
39	38.4	29.6	44.4





#57
1,3-Dichloropropane
Concen: 54.234 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

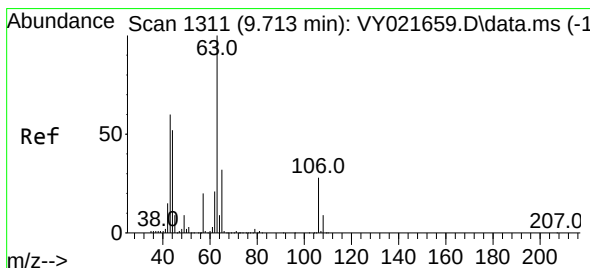
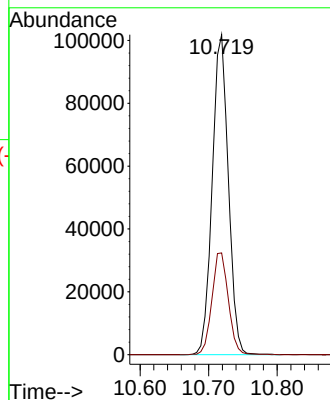
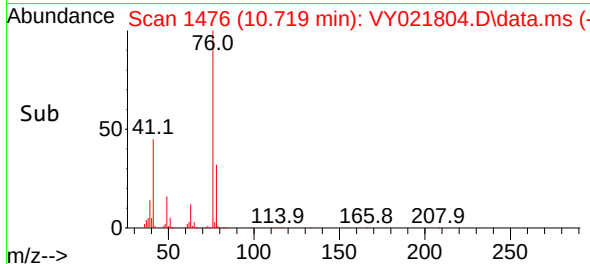
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 166080
Ion Ratio Lower Upper
76 100
78 32.5 25.8 38.8

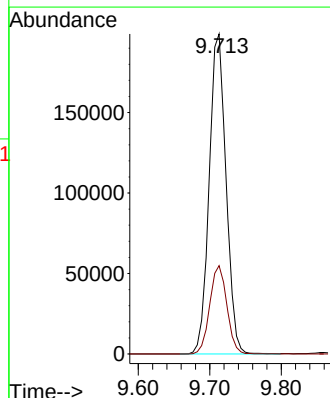
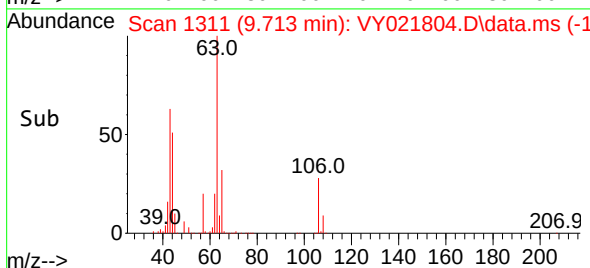
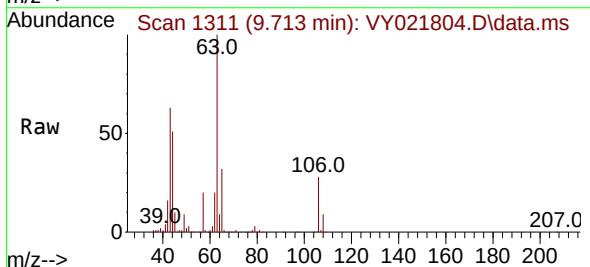
Manual Integrations
APPROVED

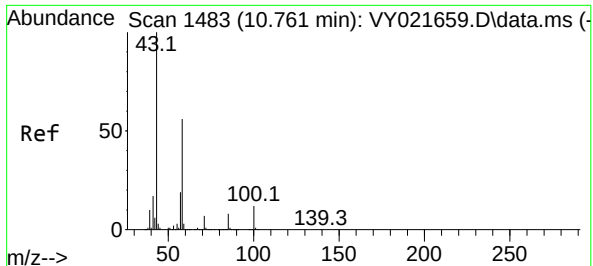
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#58
2-Chloroethyl Vinyl ether
Concen: 294.697 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

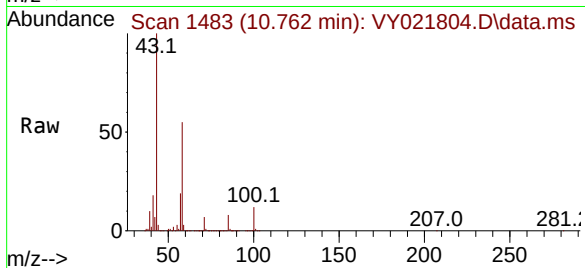
Tgt Ion: 63 Resp: 325502
Ion Ratio Lower Upper
63 100
106 27.9 22.4 33.6





#59
2-Hexanone
Concen: 278.791 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

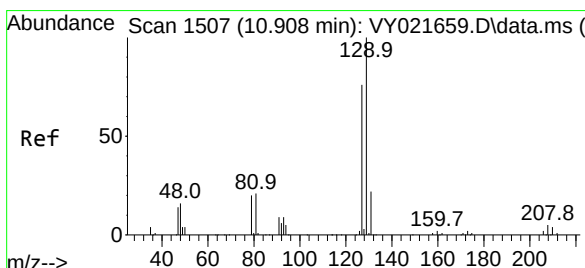
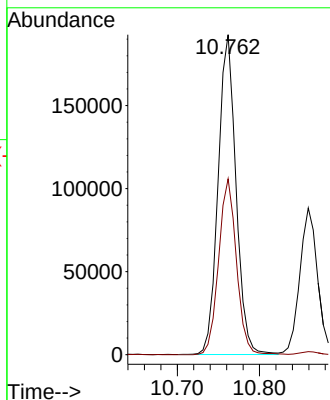
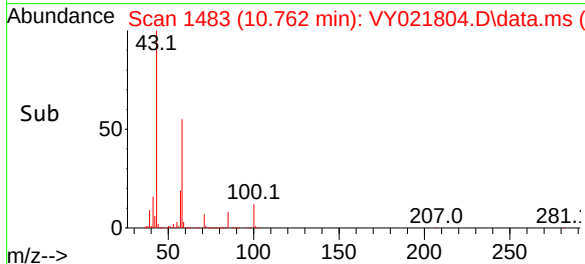
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



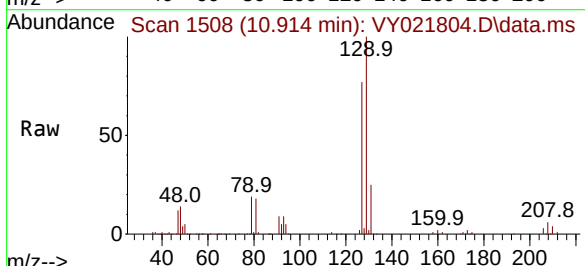
Tgt Ion: 43 Resp: 291450
Ion Ratio Lower Upper
43 100
58 54.8 27.2 81.5

Manual Integrations
APPROVED

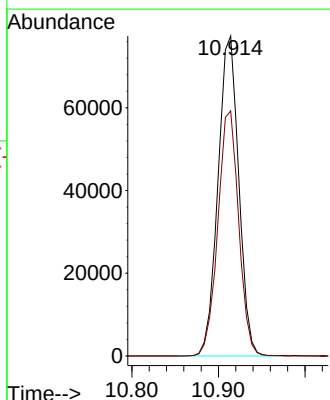
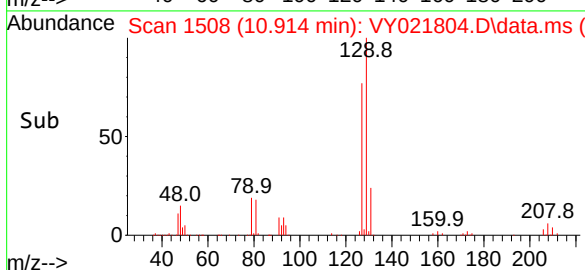
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

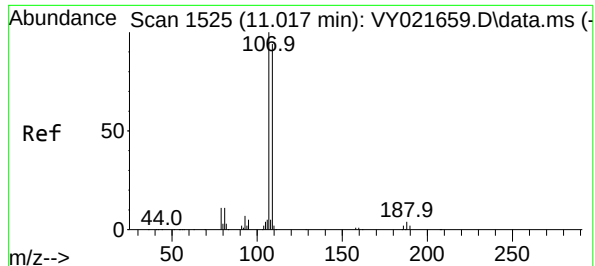


#60
Dibromochloromethane
Concen: 53.126 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29



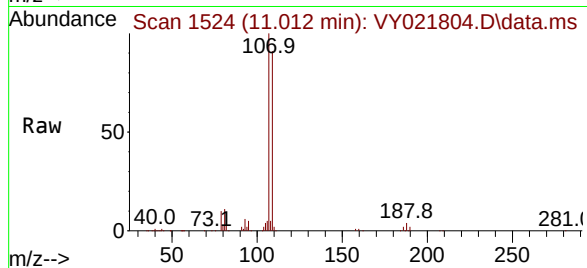
Tgt Ion:129 Resp: 128616
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61
1,2-Dibromoethane
Concen: 54.567 ug/l
RT: 11.012 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

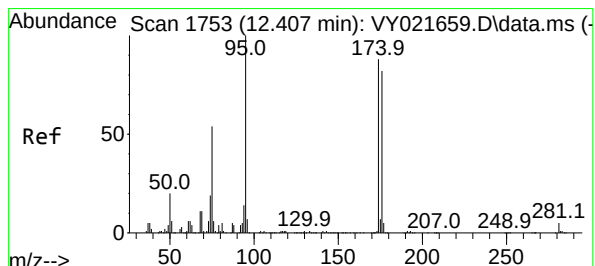
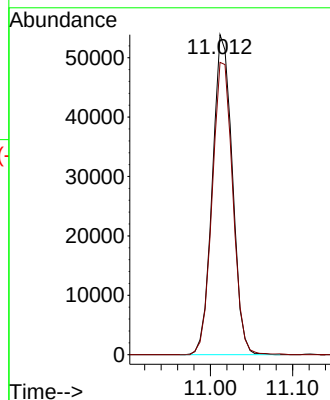
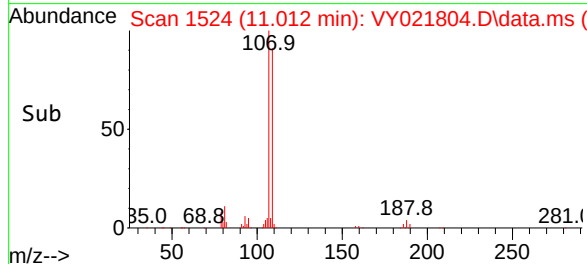
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 107 Resp: 90760
Ion Ratio Lower Upper
107 100
109 94.2 74.4 111.6

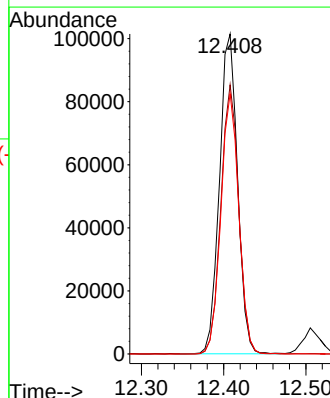
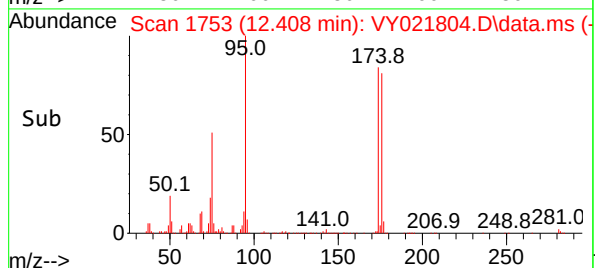
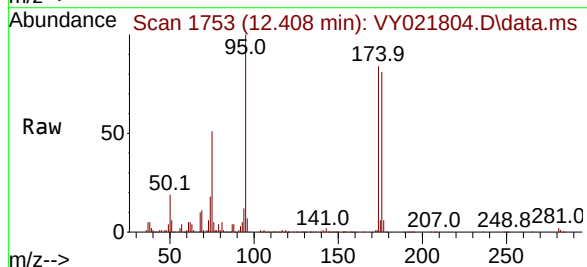
Manual Integrations
APPROVED

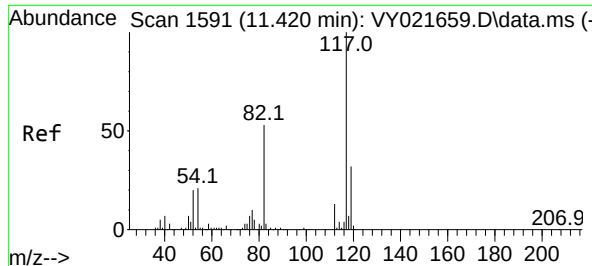
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#62
4-Bromofluorobenzene
Concen: 54.329 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 95 Resp: 154801
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 31150

Ion Ratio Lower Upper

117 100

82 57.2 42.8 64.2

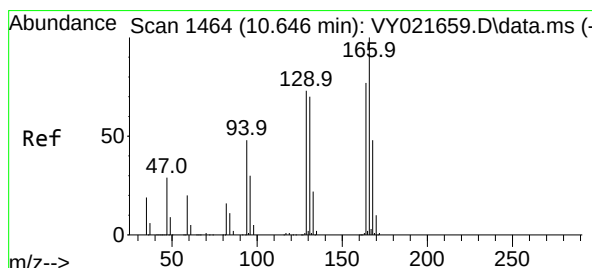
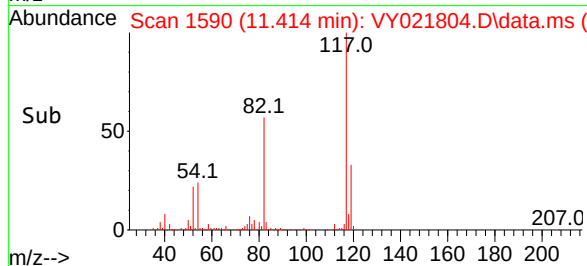
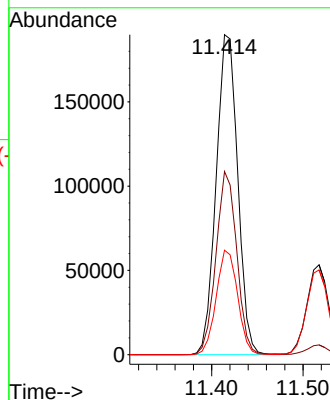
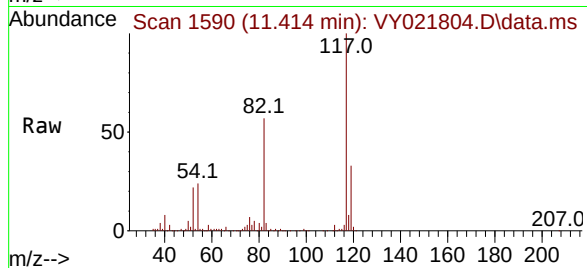
119 32.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#64

Tetrachloroethene

Concen: 66.382 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:164 Resp: 188331

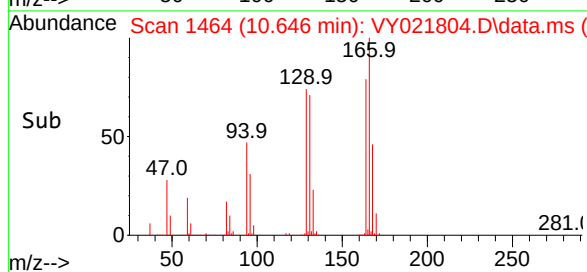
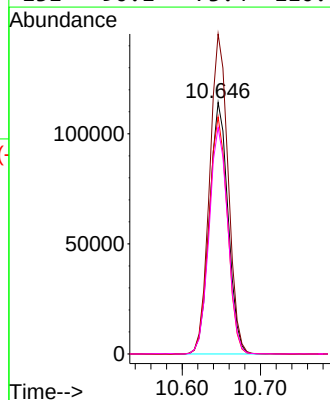
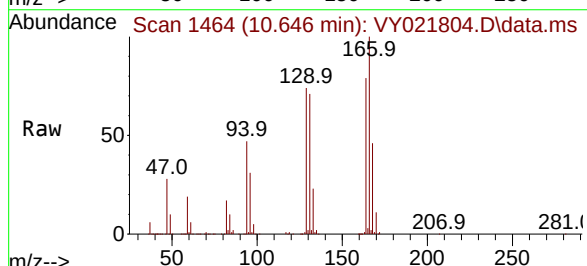
Ion Ratio Lower Upper

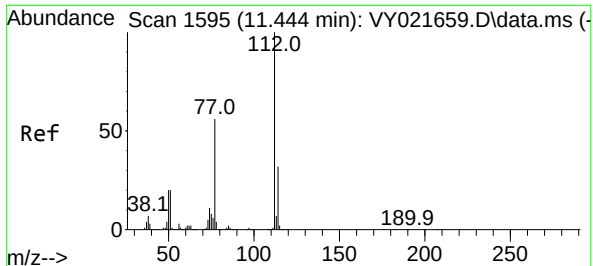
164 100

166 127.2 104.6 156.8

129 94.3 76.6 114.8

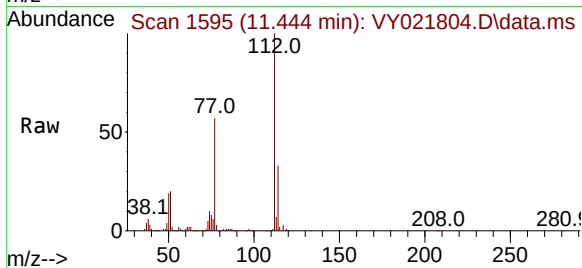
131 90.1 73.4 110.0





#65
Chlorobenzene
Concen: 51.612 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

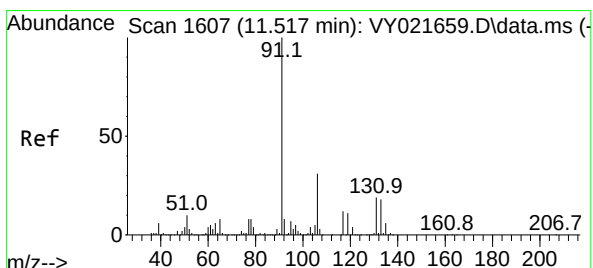
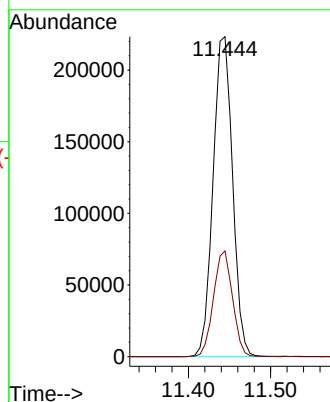
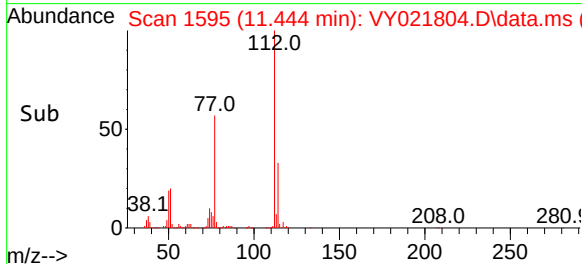
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



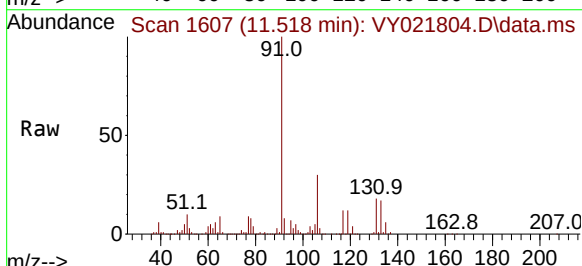
Tgt Ion:112 Resp: 368544
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9

Manual Integrations
APPROVED

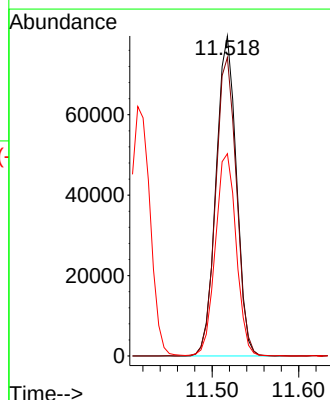
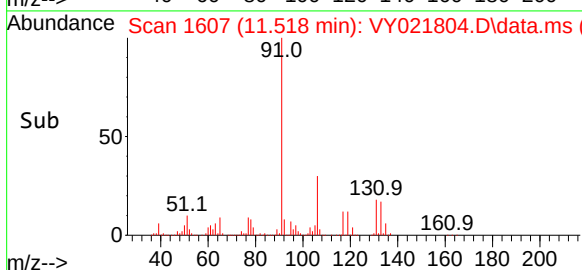
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

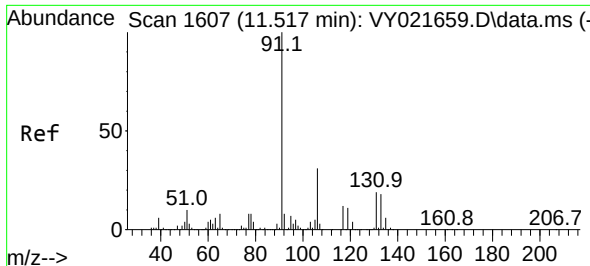


#66
1,1,1,2-Tetrachloroethane
Concen: 51.329 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29



Tgt Ion:131 Resp: 130042
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 64.7 31.6 95.0





#67

Ethyl Benzene

Concen: 53.233 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 651824

Ion Ratio Lower Upper

91 100

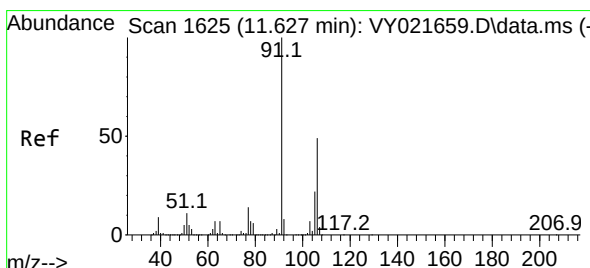
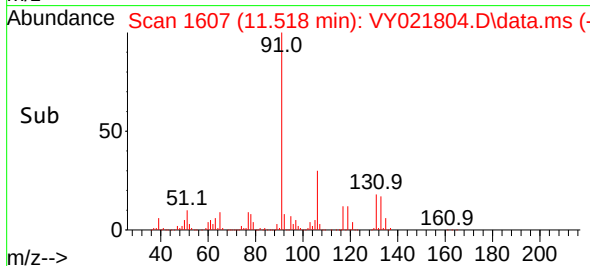
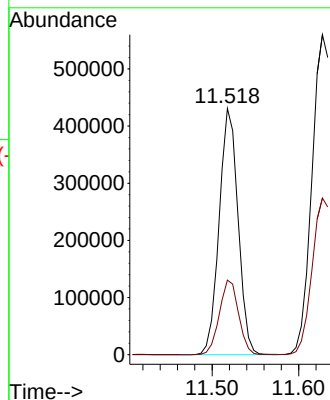
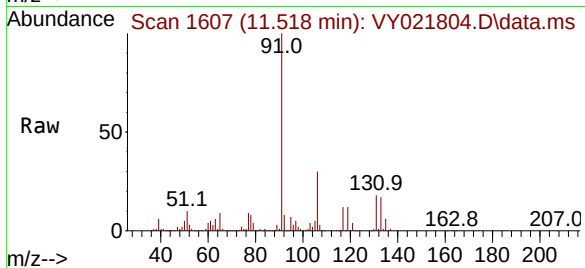
106 30.3 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#68

m/p-Xylenes

Concen: 106.367 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021804.D

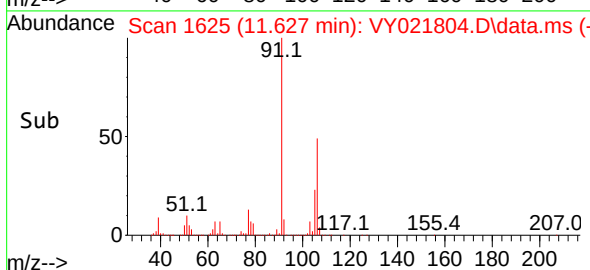
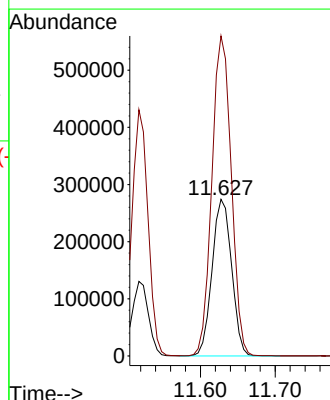
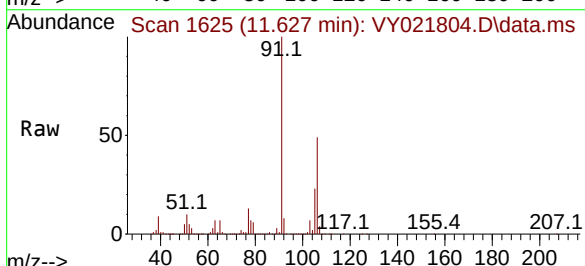
Acq: 07 Apr 2025 17:29

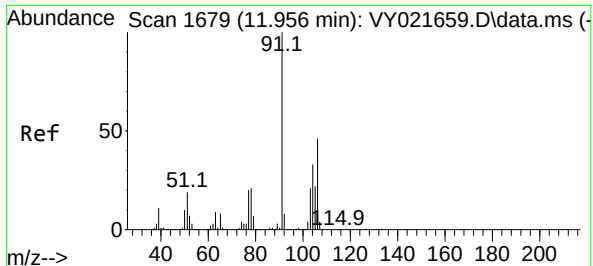
Tgt Ion:106 Resp: 498739

Ion Ratio Lower Upper

106 100

91 203.0 162.4 243.6





#69

o-Xylene

Concen: 53.967 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 233580

Ion Ratio Lower Upper

106 100

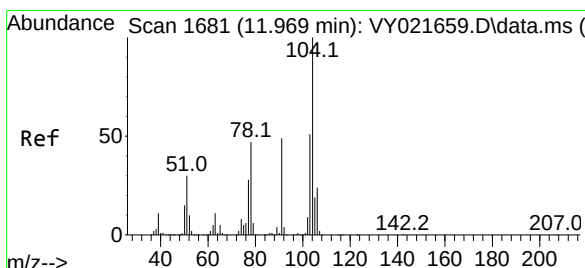
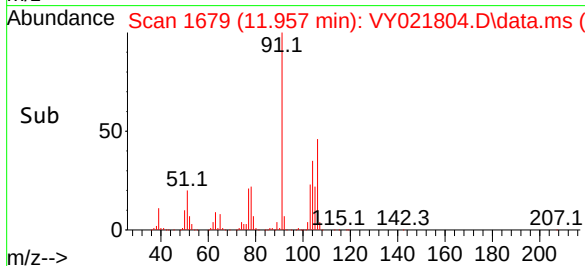
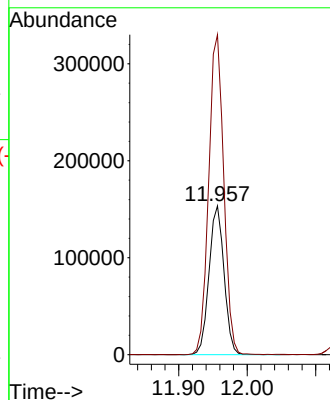
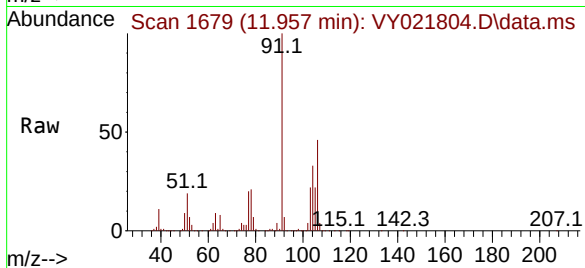
91 215.8 106.7 319.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#70

Styrene

Concen: 55.090 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

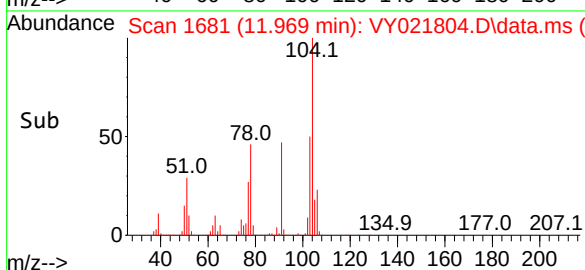
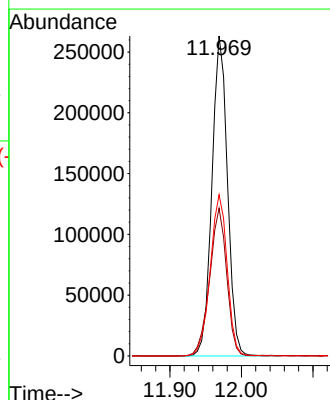
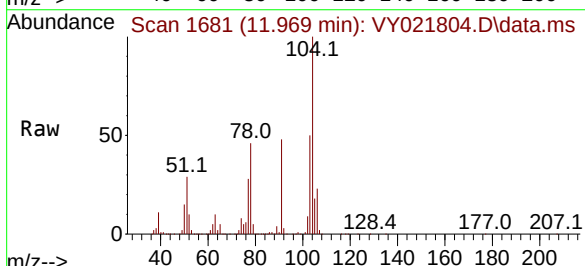
Tgt Ion:104 Resp: 397557

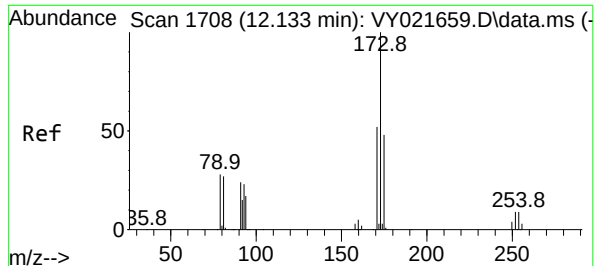
Ion Ratio Lower Upper

104 100

78 50.6 40.8 61.2

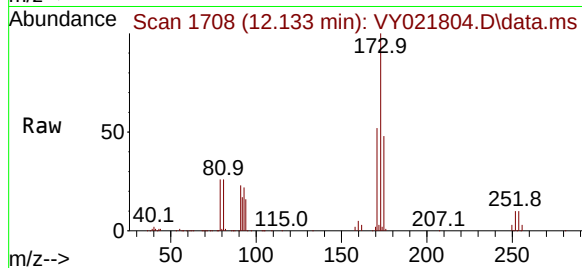
103 55.0 44.2 66.2





#71
Bromoform
Concen: 53.058 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

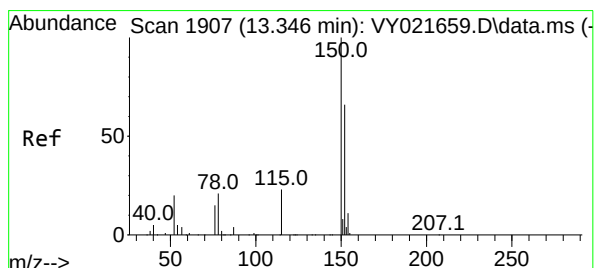
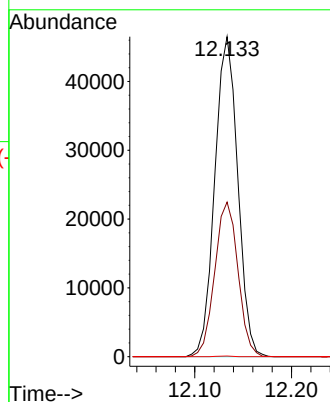
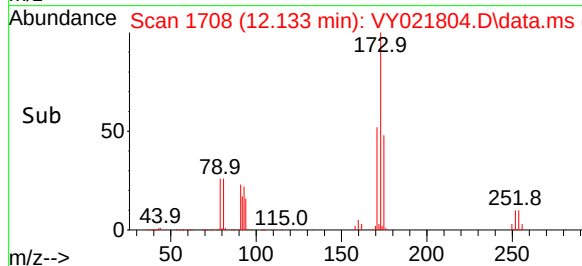
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



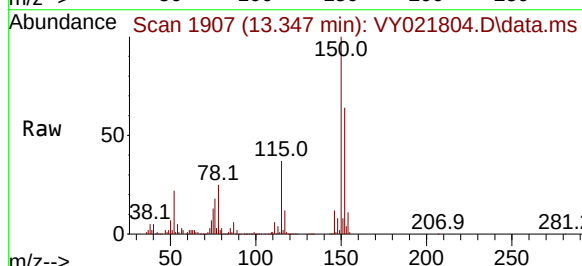
Tgt Ion:173 Resp: 7667
Ion Ratio Lower Upper
173 100
175 48.9 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

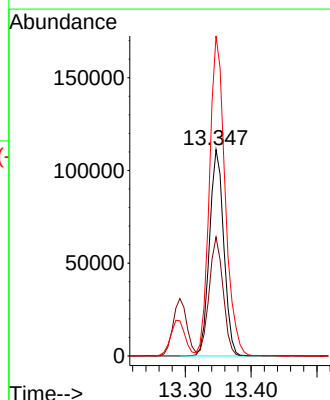
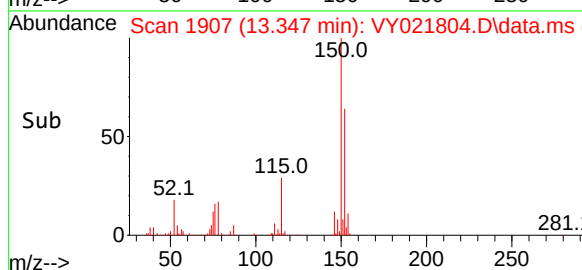
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

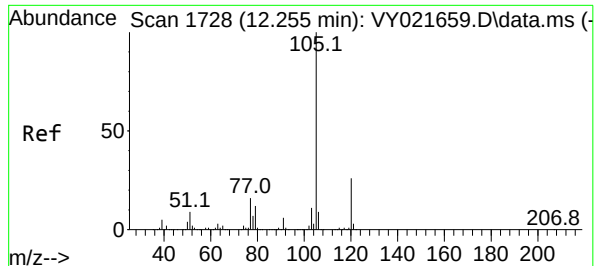


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29



Tgt Ion:152 Resp: 168360
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 169.4 0.0 348.4





#73

Isopropylbenzene

Concen: 49.859 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 623474

Ion Ratio Lower Upper

105 100

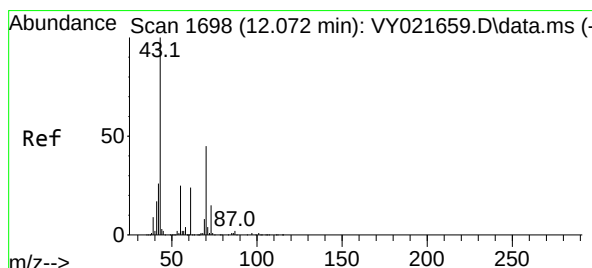
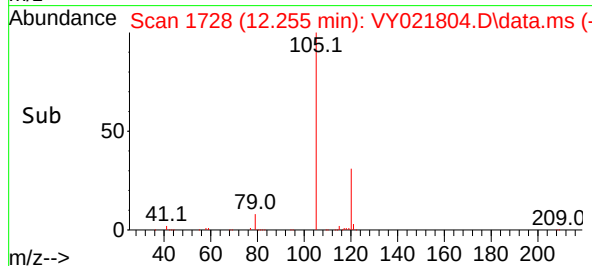
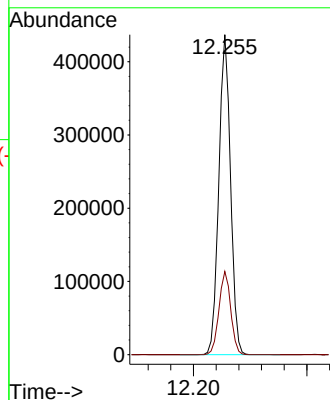
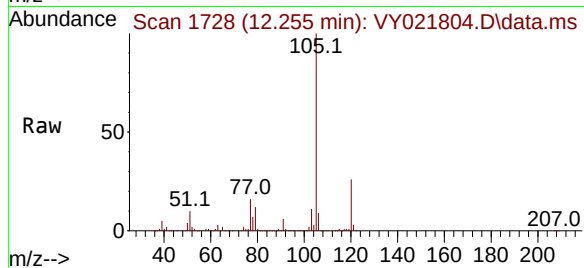
120 26.2 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#74

N-ethyl acetate

Concen: 50.156 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 147196

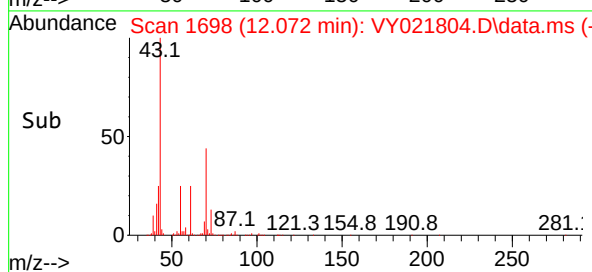
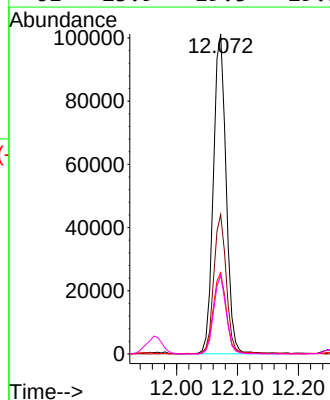
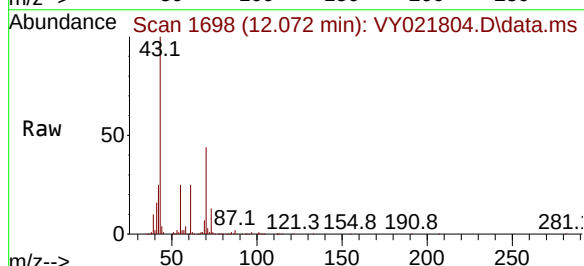
Ion Ratio Lower Upper

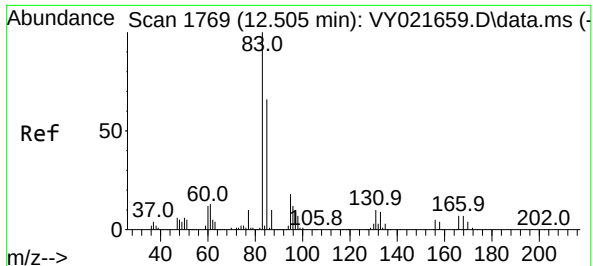
43 100

70 42.8 34.7 52.1

55 26.0 21.2 31.8

61 23.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 30.709 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

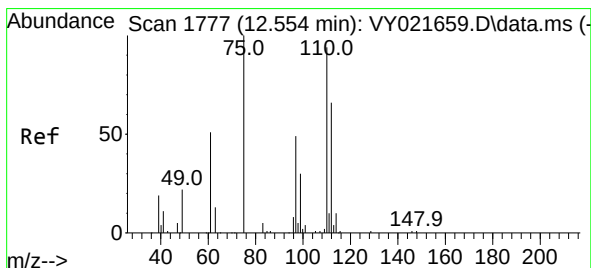
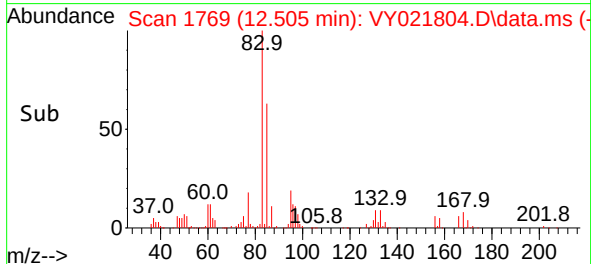
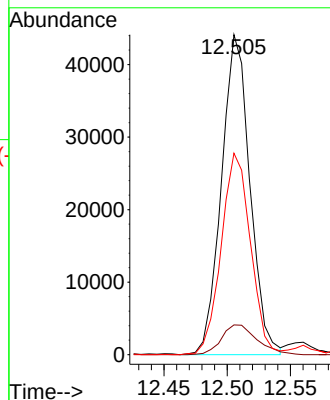
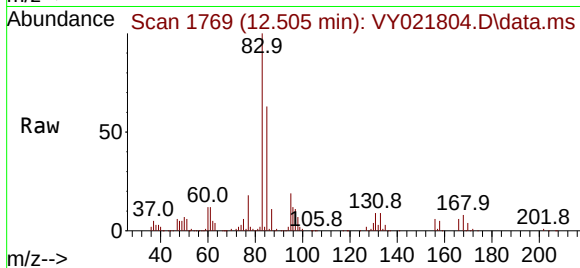
VSTDC050EC

Tgt Ion:	83	Resp:	69040
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.3
85	64.7	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025



#76

1,2,3-Trichloropropane

Concen: 50.134 ug/l m

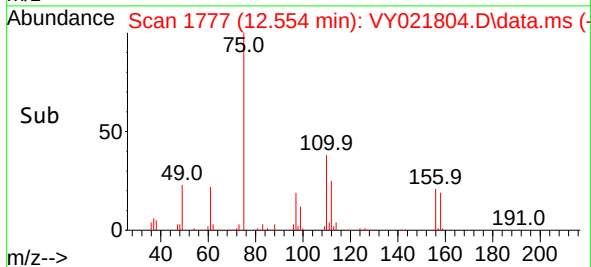
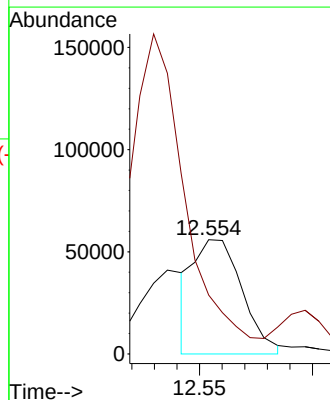
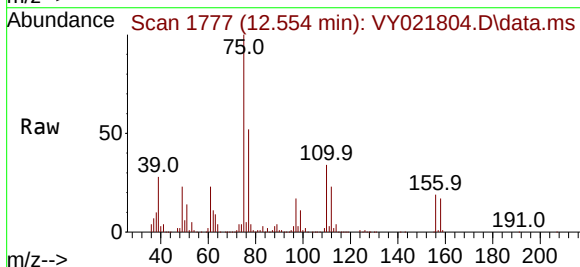
RT: 12.554 min Scan# 1777

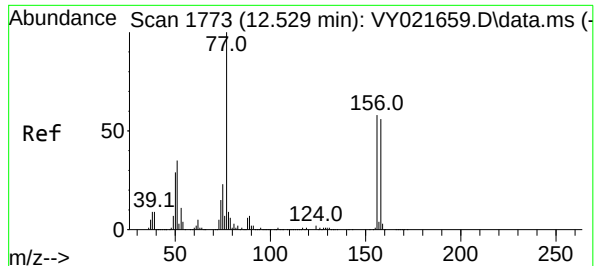
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:	75	Resp:	83668
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.502 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

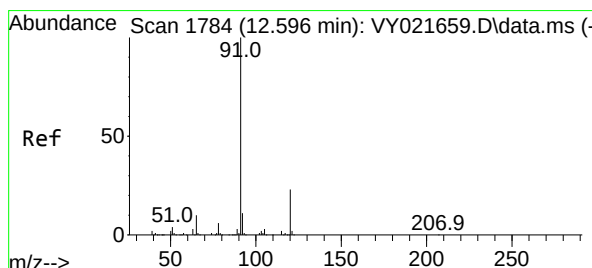
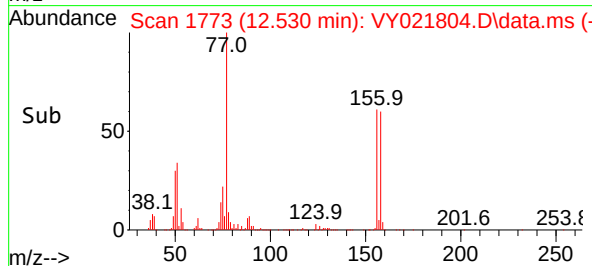
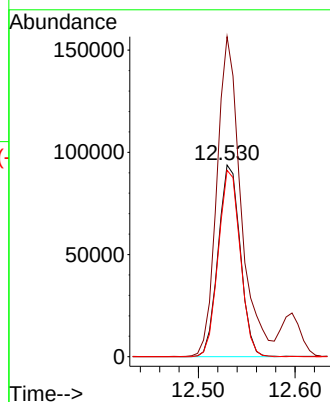
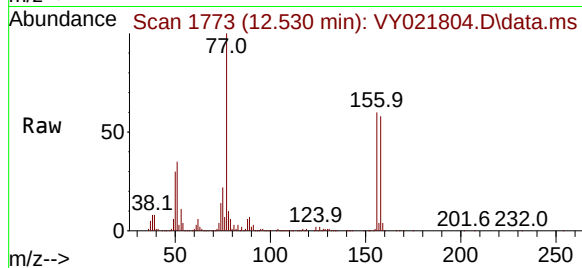
VSTDCCC050EC

Tgt Ion:	156	Resp:	148624
Ion Ratio	Lower	Upper	
156	100		
77	181.9	92.8	278.3
158	96.8	48.5	145.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#78

n-propylbenzene

Concen: 50.246 ug/l

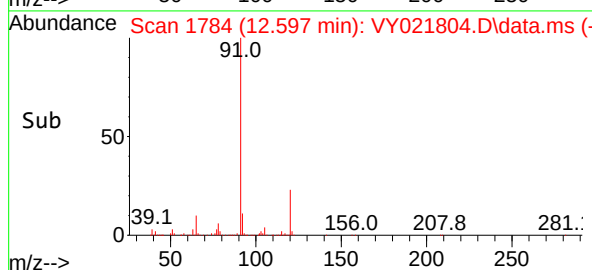
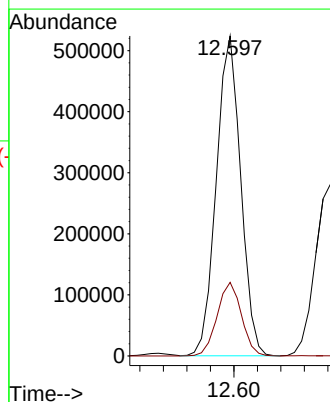
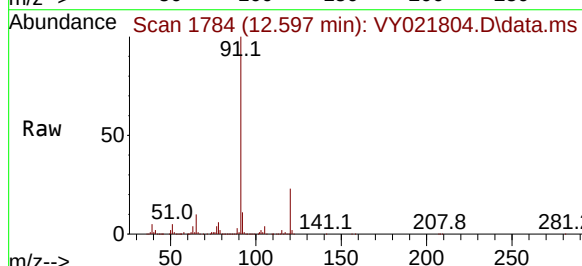
RT: 12.597 min Scan# 1784

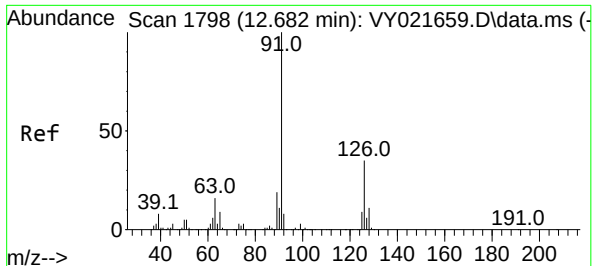
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:	91	Resp:	755384
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 49.230 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 42987

Ion Ratio Lower Upper

91 100

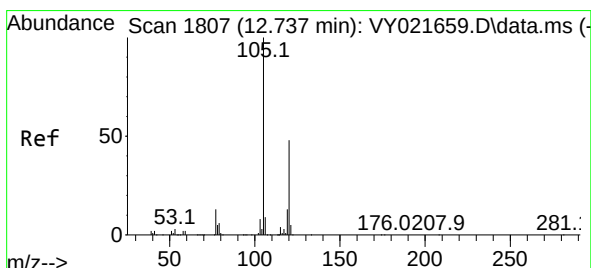
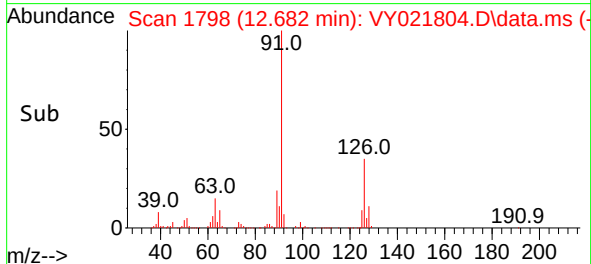
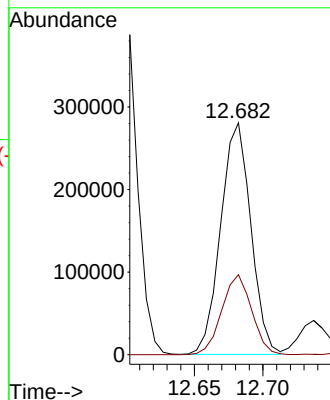
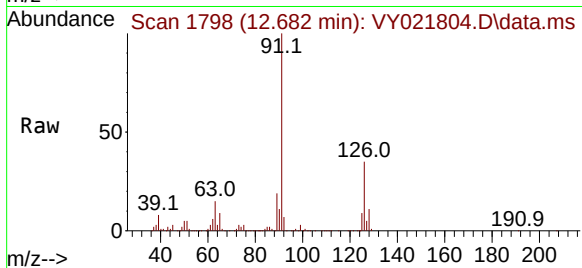
126 34.1 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.419 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021804.D

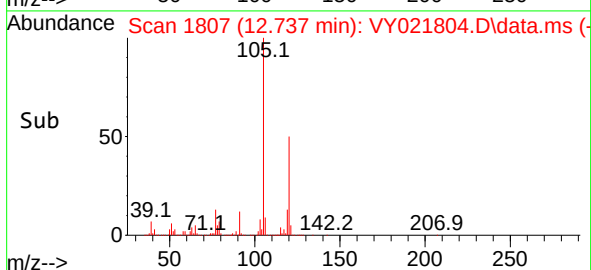
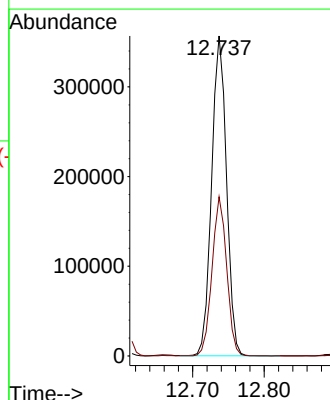
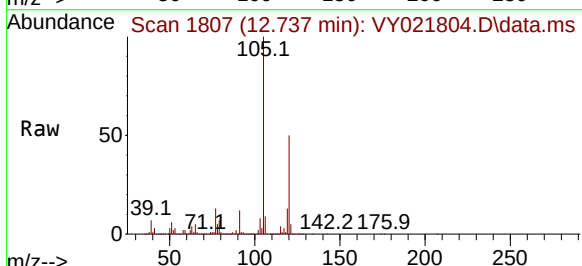
Acq: 07 Apr 2025 17:29

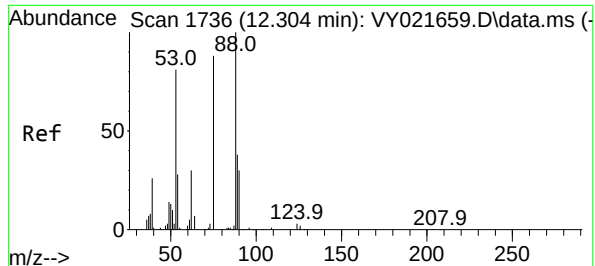
Tgt Ion:105 Resp: 515287

Ion Ratio Lower Upper

105 100

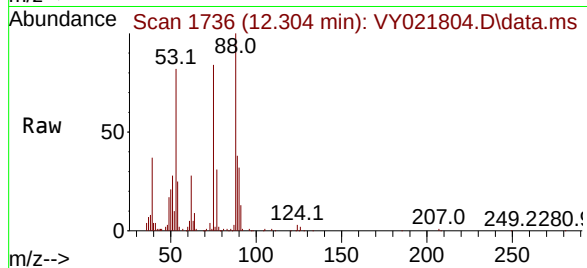
120 49.1 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 46.520 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

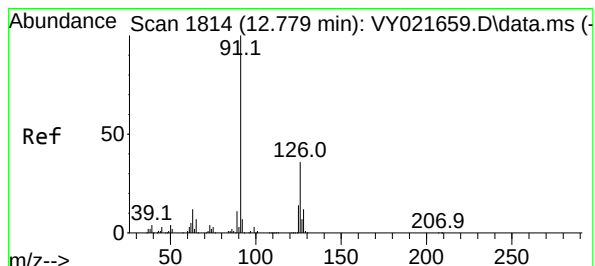
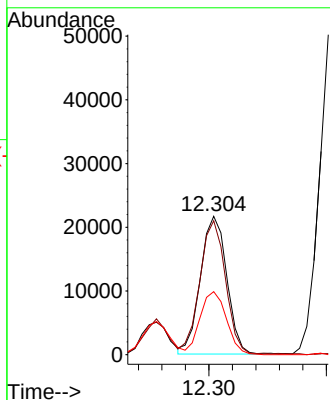
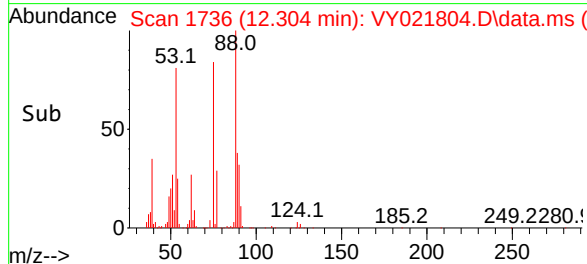
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 33694
Ion Ratio Lower Upper
75 100
53 96.7 76.1 114.1
89 45.7 36.2 54.4

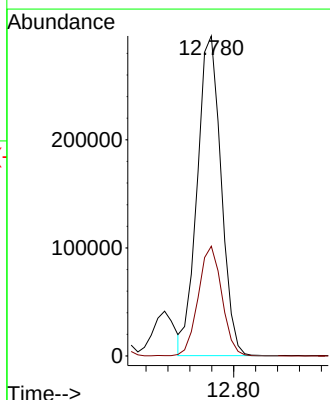
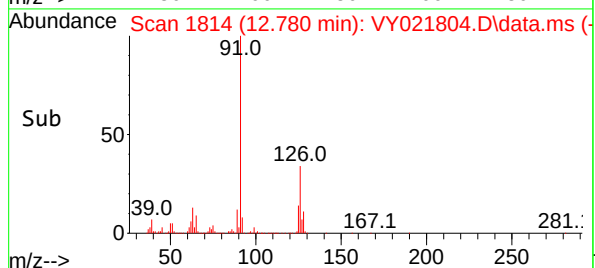
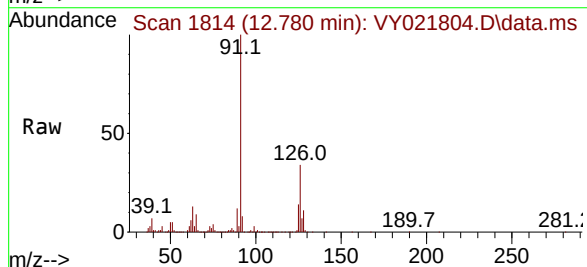
Manual Integrations
APPROVED

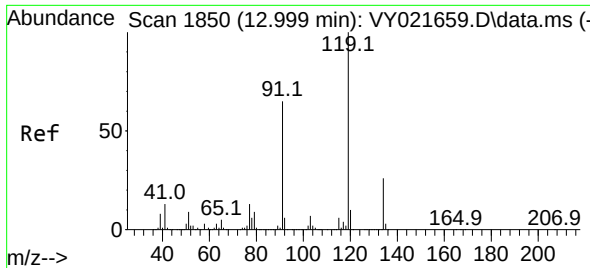
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#82
4-Chlorotoluene
Concen: 49.086 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

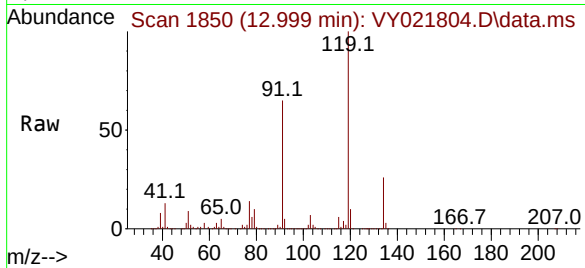
Tgt Ion: 91 Resp: 446850
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#83
tert-Butylbenzene
Concen: 49.742 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

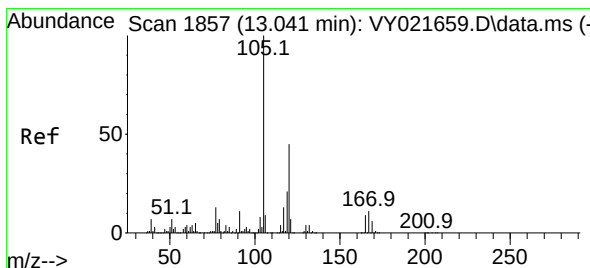
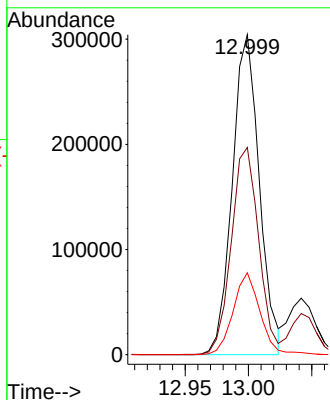
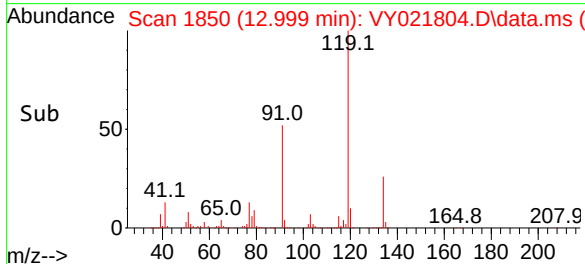
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



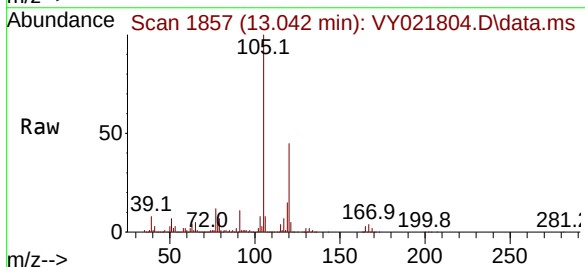
Tgt Ion:119 Resp: 45279
Ion Ratio Lower Upper
119 100
91 65.6 32.6 97.7
134 25.6 13.2 39.6

Manual Integrations
APPROVED

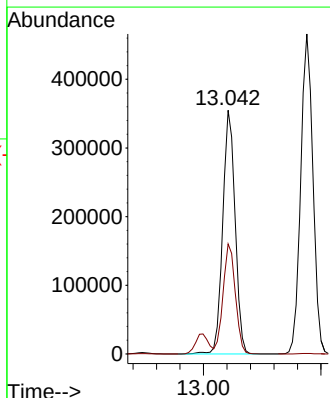
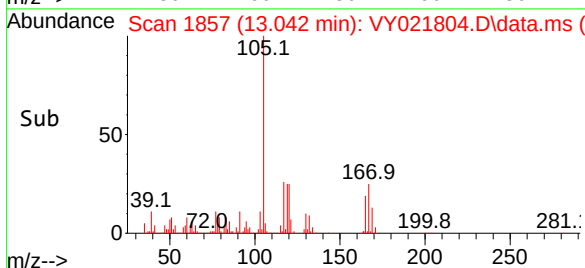
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

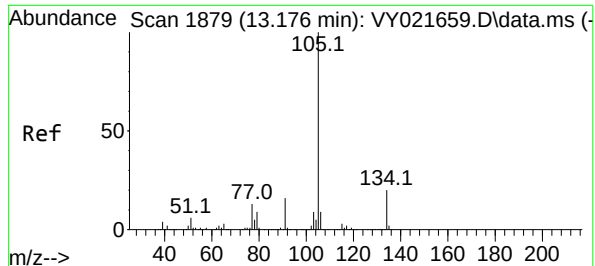


#84
1,2,4-Trimethylbenzene
Concen: 51.455 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29



Tgt Ion:105 Resp: 519749
Ion Ratio Lower Upper
105 100
120 44.7 22.7 68.1





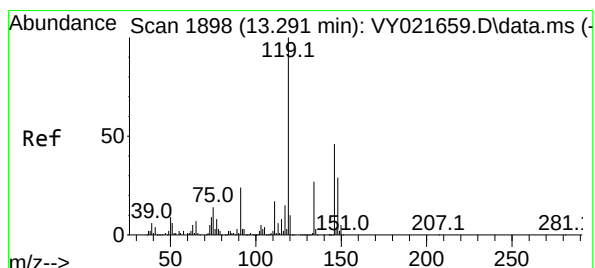
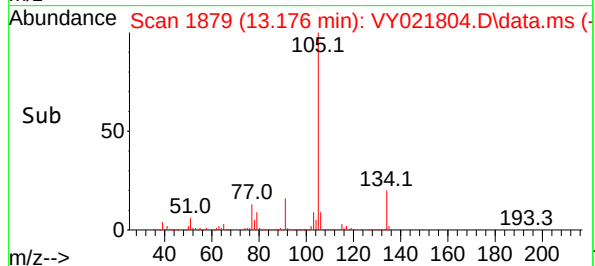
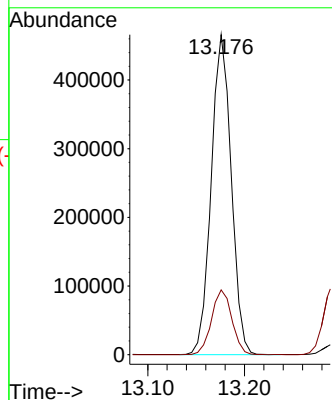
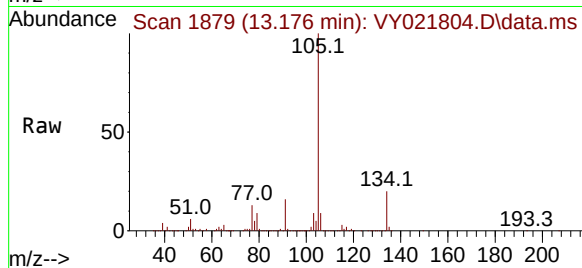
#85
sec-Butylbenzene
Concen: 50.405 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 67054
Ion Ratio Lower Upper
105 100
134 20.6 10.1 30.1

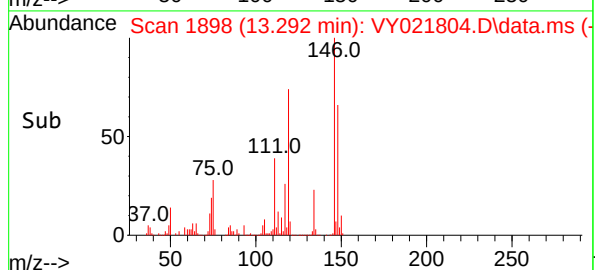
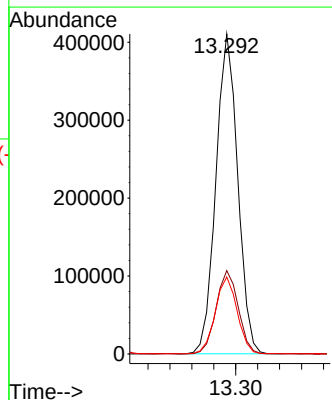
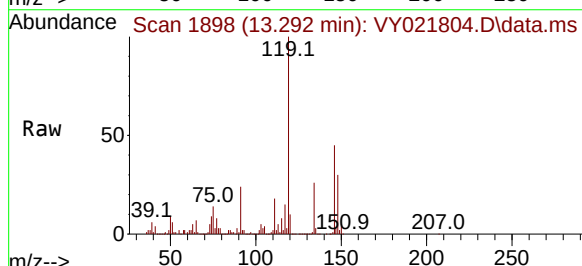
Manual Integrations
APPROVED

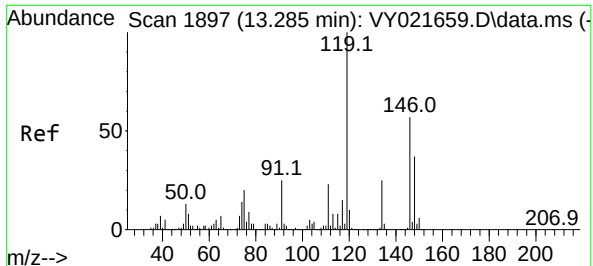
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#86
p-Isopropyltoluene
Concen: 51.574 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:119 Resp: 567055
Ion Ratio Lower Upper
119 100
134 26.4 13.2 39.5
91 24.1 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 49.310 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 29168

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

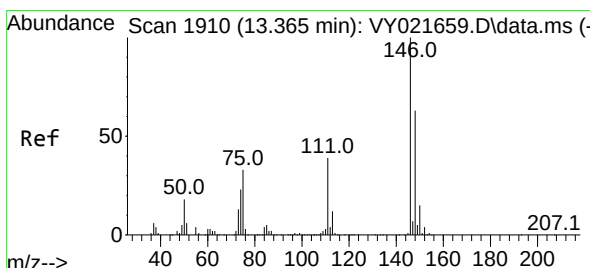
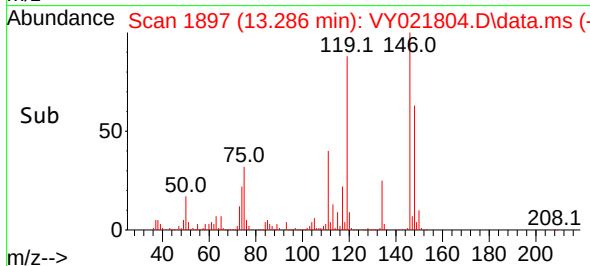
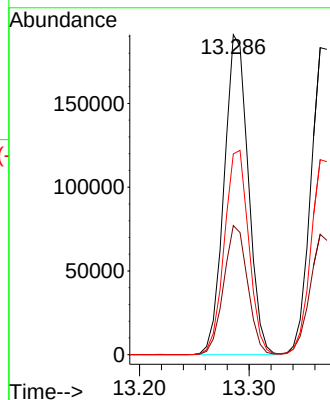
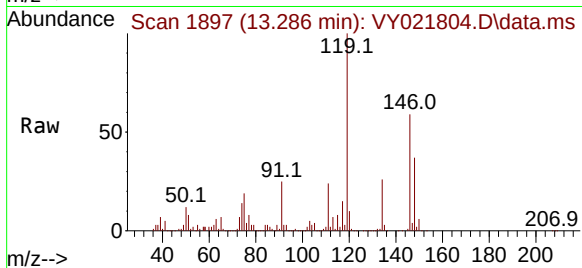
148 64.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#88

1,4-Dichlorobenzene

Concen: 49.448 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

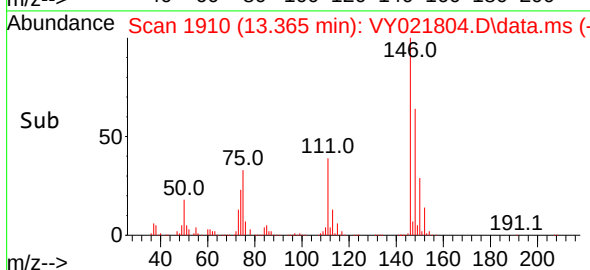
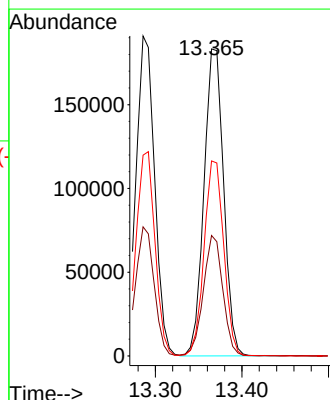
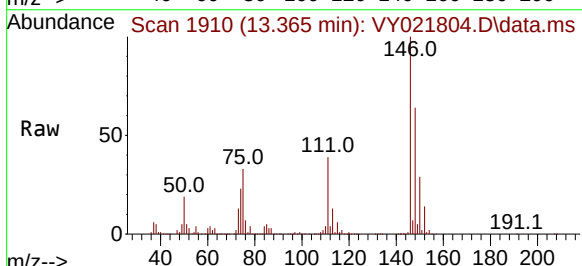
Tgt Ion:146 Resp: 288989

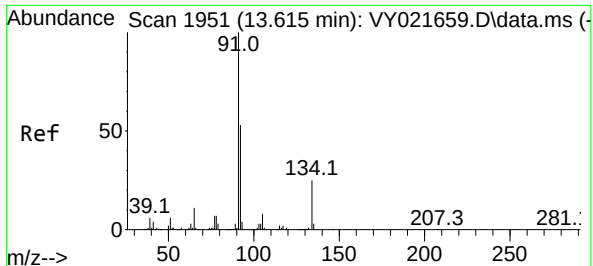
Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.1

148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 51.422 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

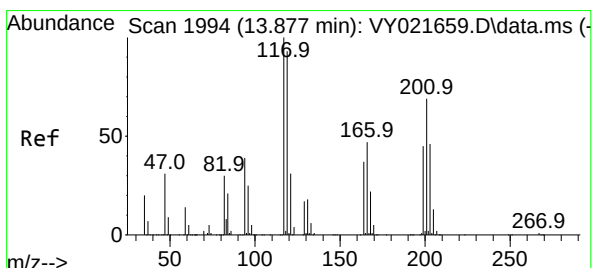
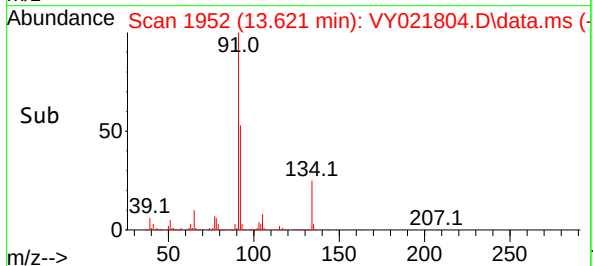
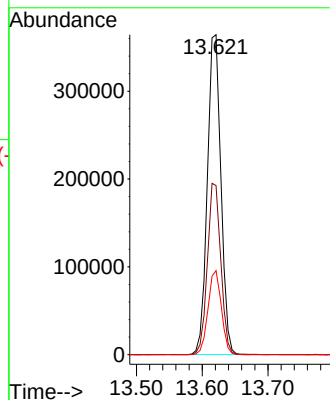
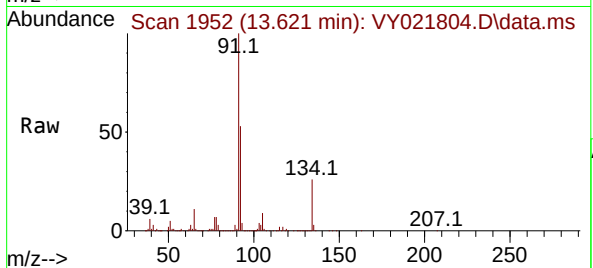
VSTDCCC050EC

Tgt Ion:	91	Resp:	52287
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.8	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#90

Hexachloroethane

Concen: 48.894 ug/l

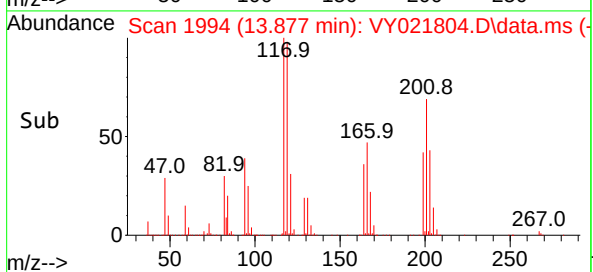
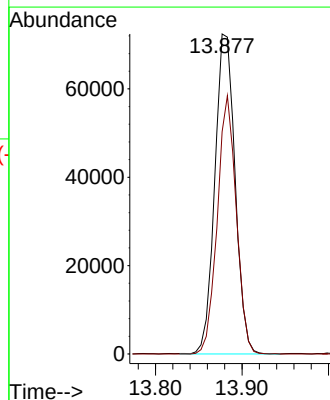
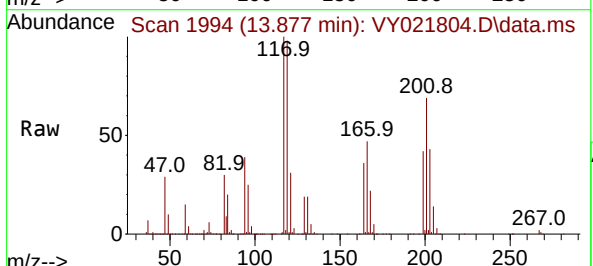
RT: 13.877 min Scan# 1994

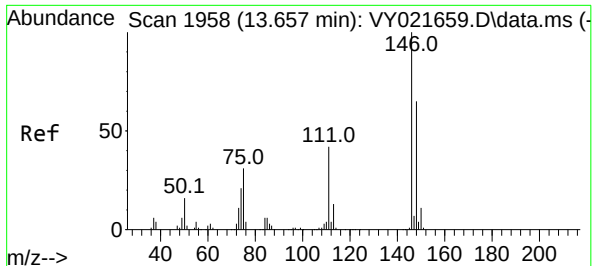
Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

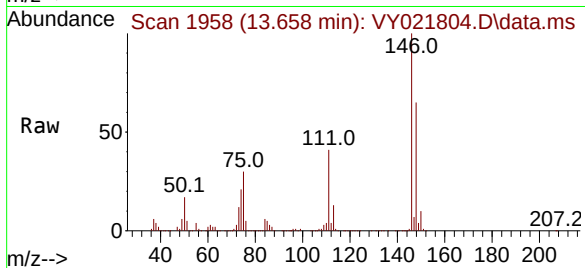
Tgt Ion:	117	Resp:	117807
Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.4	112.1





#91
1,2-Dichlorobenzene
Concen: 50.078 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

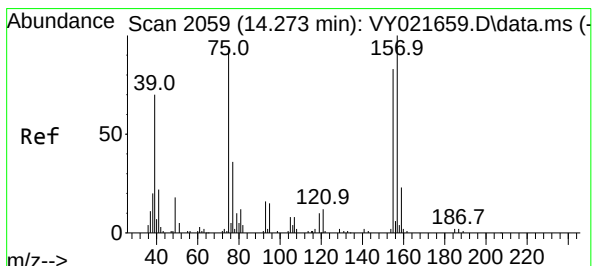
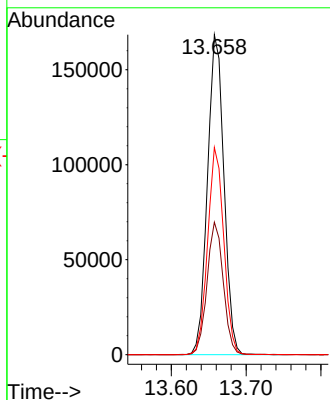
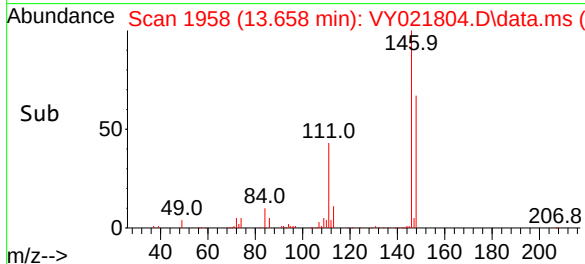
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:146 Resp: 257864
Ion Ratio Lower Upper
146 100
111 41.1 20.7 62.1
148 63.5 32.3 96.9

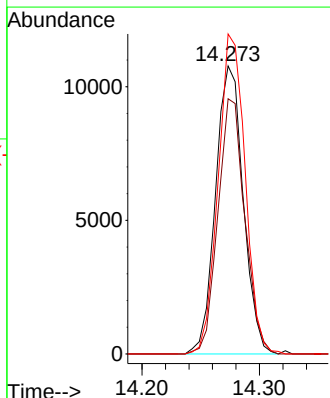
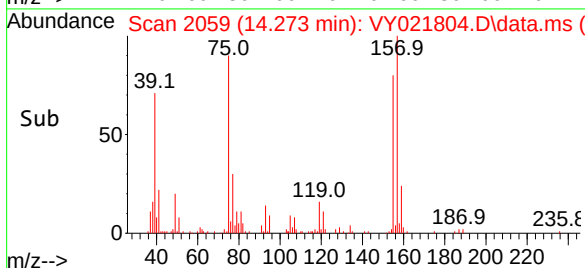
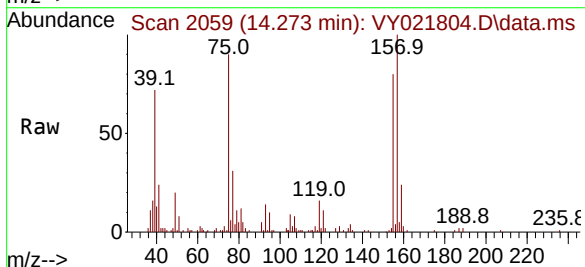
Manual Integrations
APPROVED

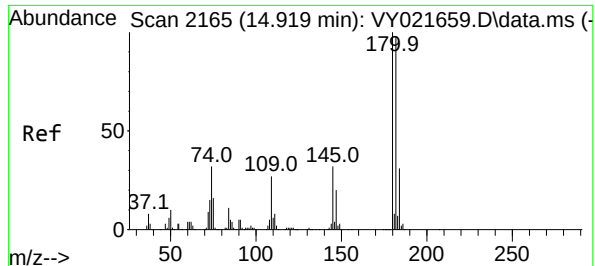
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.624 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 17640
Ion Ratio Lower Upper
75 100
155 86.1 43.0 128.8
157 108.2 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 54.582 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021804.D

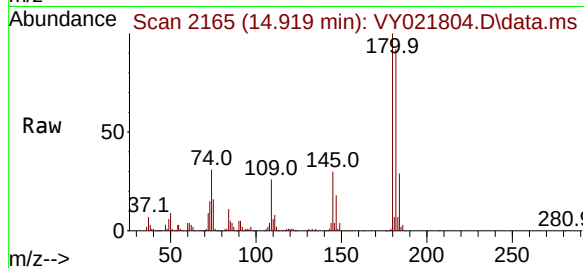
Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



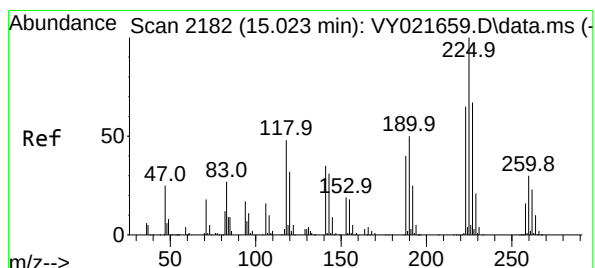
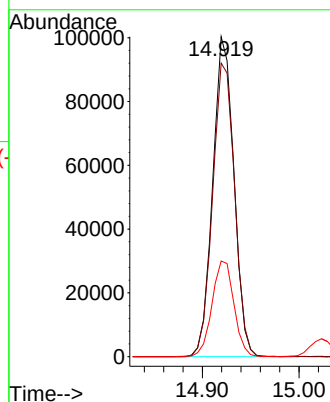
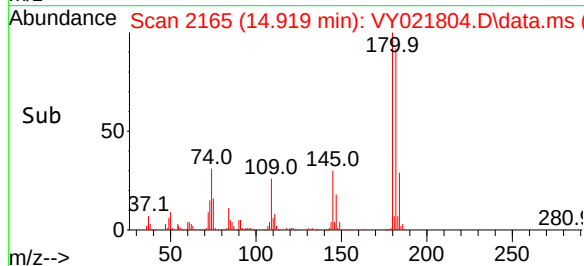
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	31.0	14.9	44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#94

Hexachlorobutadiene

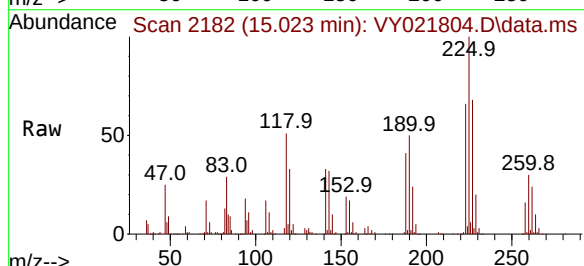
Concen: 51.756 ug/l

RT: 15.023 min Scan# 2182

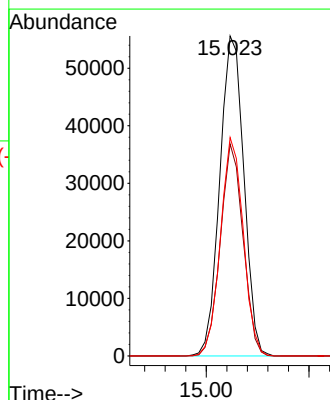
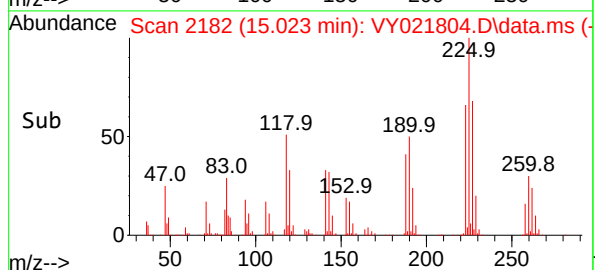
Delta R.T. 0.000 min

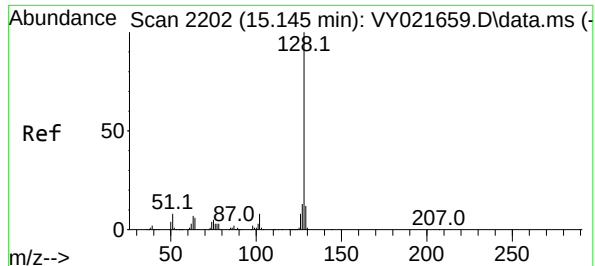
Lab File: VY021804.D

Acq: 07 Apr 2025 17:29



Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	64.7	32.4	97.0





#95

Naphthalene

Concen: 60.132 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

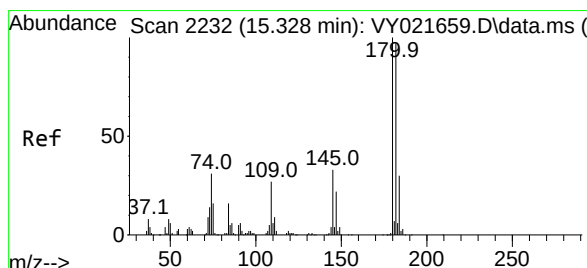
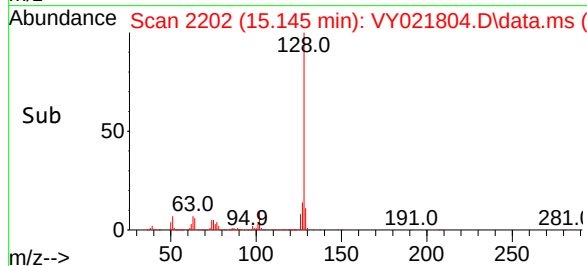
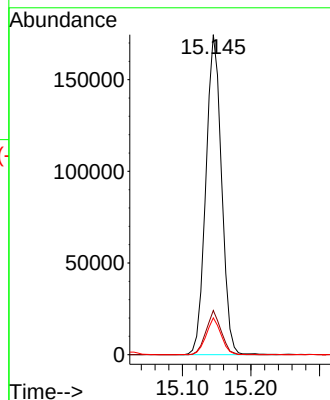
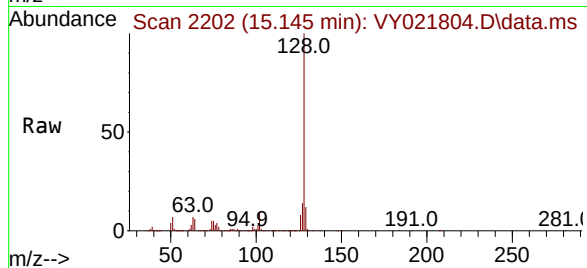
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#96

1,2,3-Trichlorobenzene

Concen: 55.748 ug/l

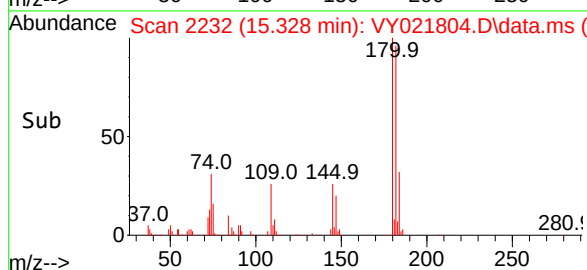
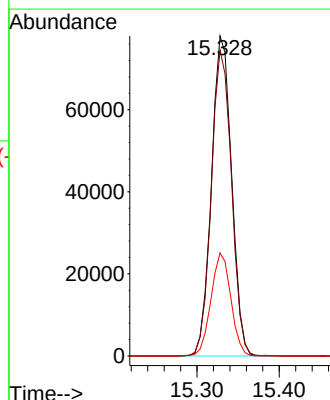
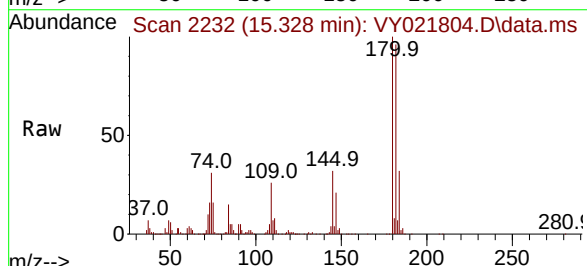
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	31.7	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	94	0.00
2 T	Dichlorodifluoromethane	0.518	0.486	6.2	90	0.00
3 P	Chloromethane	0.729	0.668	8.4	91	0.00
4 C	Vinyl Chloride	0.824	0.769	6.7#	91	0.00
5 T	Bromomethane	0.562	0.488	13.2	90	0.00
6 T	Chloroethane	0.539	0.505	6.3	93	0.00
7 T	Trichlorofluoromethane	1.056	1.001	5.2	93	0.00
8 T	Diethyl Ether	0.287	0.278	3.1	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.547	1.8	96	0.00
10 T	Methyl Iodide	0.611	0.663	-8.5	95	0.00
11 T	Tert butyl alcohol	0.035	0.034	2.9	95	0.00
12 CM	1,1-Dichloroethene	0.524	0.518	1.1#	95	0.00
13 T	Acrolein	0.064	0.020	68.8#	30#	0.01
14 T	Allyl chloride	0.836	0.820	1.9	92	0.00
15 T	Acrylonitrile	0.120	0.121	-0.8	94	0.00
16 T	Acetone	0.111	0.093	16.2	82	0.00
17 T	Carbon Disulfide	1.727	1.613	6.6	90	0.00
18 T	Methyl Acetate	0.275	0.341	-24.0	121	0.00
19 T	Methyl tert-butyl Ether	1.306	1.345	-3.0	96	0.00
20 T	Methylene Chloride	0.626	0.578	7.7	97	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.571	1.0	95	0.00
22 T	Diisopropyl ether	1.754	1.810	-3.2	95	0.00
23 T	Vinyl Acetate	1.026	0.896	12.7	79	0.00
24 P	1,1-Dichloroethane	1.049	1.045	0.4	95	0.00
25 T	2-Butanone	0.158	0.154	2.5	91	0.00
26 T	2,2-Dichloropropane	0.933	0.906	2.9	93	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.656	-1.1	95	0.00
28 T	Bromochloromethane	0.442	0.437	1.1	97	0.00
29 T	Tetrahydrofuran	0.102	0.105	-2.9	94	0.00
30 C	Chloroform	1.091	1.097	-0.5#	96	0.00
31 T	Cyclohexane	0.956	0.909	4.9	93	0.00
32 T	1,1,1-Trichloroethane	0.986	0.986	0.0	96	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.545	-0.6	94	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35 S	Dibromofluoromethane	0.324	0.290	10.5	79	0.00
36 T	1,1-Dichloropropene	0.494	0.512	-3.6	94	0.00
37 T	Ethyl Acetate	0.233	0.236	-1.3	92	0.00
38 T	Carbon Tetrachloride	0.566	0.589	-4.1	96	0.00
39 T	Methylcyclohexane	0.590	0.626	-6.1	93	0.00
40 TM	Benzene	1.479	1.535	-3.8	95	0.00
41 T	Methacrylonitrile	0.124	0.121	2.4	81	0.00
42 TM	1,2-Dichloroethane	0.417	0.440	-5.5	97	0.00
43 T	Isopropyl Acetate	0.442	0.466	-5.4	95	0.00
44 TM	Trichloroethene	0.377	0.451	-19.6	111	0.00
45 C	1,2-Dichloropropane	0.350	0.369	-5.4#	97	0.00
46 T	Dibromomethane	0.202	0.213	-5.4	99	0.00
47 T	Bromodichloromethane	0.523	0.546	-4.4	96	0.00
48 T	Methyl methacrylate	0.203	0.221	-8.9	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	102	0.00
50 S	Toluene-d8	1.234	1.291	-4.6	91	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.257	-11.7	98	0.00
52 CM	Toluene	0.923	0.988	-7.0#	96	0.00
53 T	t-1,3-Dichloropropene	0.465	0.485	-4.3	92	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.574	-4.7	94	0.00
55 T	1,1,2-Trichloroethane	0.260	0.280	-7.7	99	0.00
56 T	Ethyl methacrylate	0.332	0.386	-16.3	97	0.00
57 T	1,3-Dichloropropane	0.449	0.487	-8.5	98	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.191	-17.9	98	0.00
59 T	2-Hexanone	0.153	0.171	-11.8	96	0.00
60 T	Dibromochloromethane	0.355	0.377	-6.2	95	0.00
61 T	1,2-Dibromoethane	0.244	0.266	-9.0	97	0.00
62 S	4-Bromofluorobenzene	0.417	0.453	-8.6	95	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64 T	Tetrachloroethene	0.455	0.605	-33.0#	127	0.00
65 PM	Chlorobenzene	1.146	1.183	-3.2	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.417	-2.5	96	0.00
67 C	Ethyl Benzene	1.965	2.093	-6.5#	96	0.00
68 T	m/p-Xylenes	0.753	0.801	-6.4	96	0.00
69 T	o-Xylene	0.695	0.750	-7.9	96	0.00
70 T	Styrene	1.158	1.276	-10.2	98	0.00
71 P	Bromoform	0.232	0.246	-6.0	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.714	3.703	0.3	97	0.00
74 T	N-amyl acetate	0.872	0.874	-0.2	96	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.410	38.6#	63	0.00
76 T	1,2,3-Trichloropropane	0.496	0.497	-0.2	100	0.00
77 T	Bromobenzene	0.892	0.883	1.0	100	0.00
78 T	n-propylbenzene	4.465	4.487	-0.5	97	0.00
79 T	2-Chlorotoluene	2.593	2.553	1.5	97	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.061	-0.9	98	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.200	7.0	90	0.00
82 T	4-Chlorotoluene	2.704	2.654	1.8	97	0.00
83 T	tert-Butylbenzene	2.703	2.689	0.5	97	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.087	-2.9	99	0.00
85 T	sec-Butylbenzene	3.951	3.983	-0.8	98	0.00
86 T	p-Isopropyltoluene	3.265	3.368	-3.2	98	0.00
87 T	1,3-Dichlorobenzene	1.757	1.732	1.4	99	0.00
88 T	1,4-Dichlorobenzene	1.736	1.716	1.2	99	0.00
89 T	n-Butylbenzene	3.020	3.106	-2.8	98	0.00
90 T	Hexachloroethane	0.716	0.700	2.2	99	0.00
91 T	1,2-Dichlorobenzene	1.529	1.532	-0.2	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.105	-1.9	103	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.905	-9.2	103	0.00
94 T	Hexachlorobutadiene	0.518	0.536	-3.5	102	0.00
95 T	Naphthalene	1.375	1.653	-20.2	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.788	-11.5	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	94	0.00
2 T	Dichlorodifluoromethane	50.000	46.885	6.2	90	0.00
3 P	Chloromethane	50.000	45.826	8.3	91	0.00
4 C	Vinyl Chloride	50.000	46.675	6.7#	91	0.00
5 T	Bromomethane	50.000	43.454	13.1	90	0.00
6 T	Chloroethane	50.000	46.787	6.4	93	0.00
7 T	Trichlorofluoromethane	50.000	47.416	5.2	93	0.00
8 T	Diethyl Ether	50.000	48.339	3.3	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.106	1.8	96	0.00
10 T	Methyl Iodide	50.000	54.276	-8.6	95	0.00
11 T	Tert butyl alcohol	250.000	243.094	2.8	95	0.00
12 CM	1,1-Dichloroethene	50.000	49.389	1.2#	95	0.00
13 T	Acrolein	250.000	78.732	68.5#	30	0.01
14 T	Allyl chloride	50.000	49.061	1.9	92	0.00
15 T	Acrylonitrile	250.000	253.002	-1.2	94	0.00
16 T	Acetone	250.000	209.922	16.0	82	0.00
17 T	Carbon Disulfide	50.000	46.691	6.6	90	0.00
18 T	Methyl Acetate	50.000	61.991	-24.0	121	0.00
19 T	Methyl tert-butyl Ether	50.000	51.489	-3.0	96	0.00
20 T	Methylene Chloride	50.000	53.510	-7.0	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.480	1.0	95	0.00
22 T	Diisopropyl ether	50.000	51.594	-3.2	95	0.00
23 T	Vinyl Acetate	250.000	218.278	12.7	79	0.00
24 P	1,1-Dichloroethane	50.000	49.834	0.3	95	0.00
25 T	2-Butanone	250.000	242.513	3.0	91	0.00
26 T	2,2-Dichloropropane	50.000	48.532	2.9	93	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.515	-1.0	95	0.00
28 T	Bromochloromethane	50.000	49.382	1.2	97	0.00
29 T	Tetrahydrofuran	250.000	258.784	-3.5	94	0.00
30 C	Chloroform	50.000	50.278	-0.6#	96	0.00
31 T	Cyclohexane	50.000	47.519	5.0	93	0.00
32 T	1,1,1-Trichloroethane	50.000	49.982	0.0	96	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.315	-0.6	94	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35 S	Dibromofluoromethane	50.000	44.664	10.7	79	0.00
36 T	1,1-Dichloropropene	50.000	51.820	-3.6	94	0.00
37 T	Ethyl Acetate	50.000	50.589	-1.2	92	0.00
38 T	Carbon Tetrachloride	50.000	52.071	-4.1	96	0.00
39 T	Methylcyclohexane	50.000	53.002	-6.0	93	0.00
40 TM	Benzene	50.000	51.889	-3.8	95	0.00
41 T	Methacrylonitrile	50.000	48.707	2.6	81	0.00
42 TM	1,2-Dichloroethane	50.000	52.720	-5.4	97	0.00
43 T	Isopropyl Acetate	50.000	52.690	-5.4	95	0.00
44 TM	Trichloroethene	50.000	59.815	-19.6	111	0.00
45 C	1,2-Dichloropropane	50.000	52.726	-5.5#	97	0.00
46 T	Dibromomethane	50.000	52.805	-5.6	99	0.00
47 T	Bromodichloromethane	50.000	52.215	-4.4	96	0.00
48 T	Methyl methacrylate	50.000	54.600	-9.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1137.947	-13.8	102	0.00
50 S	Toluene-d8	50.000	52.311	-4.6	91	0.00
51 T	4-Methyl-2-Pentanone	250.000	278.979	-11.6	98	0.00
52 CM	Toluene	50.000	53.500	-7.0#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	52.154	-4.3	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.346	-4.7	94	0.00
55 T	1,1,2-Trichloroethane	50.000	53.949	-7.9	99	0.00
56 T	Ethyl methacrylate	50.000	58.234	-16.5	97	0.00
57 T	1,3-Dichloropropane	50.000	54.234	-8.5	98	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	294.697	-17.9	98	0.00
59 T	2-Hexanone	250.000	278.791	-11.5	96	0.00
60 T	Dibromochloromethane	50.000	53.126	-6.3	95	0.00
61 T	1,2-Dibromoethane	50.000	54.567	-9.1	97	0.00
62 S	4-Bromofluorobenzene	50.000	54.329	-8.7	95	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64 T	Tetrachloroethene	50.000	66.382	-32.8#	127	0.00
65 PM	Chlorobenzene	50.000	51.612	-3.2	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.329	-2.7	96	0.00
67 C	Ethyl Benzene	50.000	53.233	-6.5#	96	0.00
68 T	m/p-Xylenes	100.000	106.367	-6.4	96	0.00
69 T	o-Xylene	50.000	53.967	-7.9	96	0.00
70 T	Styrene	50.000	55.090	-10.2	98	0.00
71 P	Bromoform	50.000	53.058	-6.1	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	49.859	0.3	97	0.00
74 T	N-amyl acetate	50.000	50.156	-0.3	96	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	30.709	38.6#	63	0.00
76 T	1,2,3-Trichloropropane	50.000	50.134	-0.3	100	0.00
77 T	Bromobenzene	50.000	49.502	1.0	100	0.00
78 T	n-propylbenzene	50.000	50.246	-0.5	97	0.00
79 T	2-Chlorotoluene	50.000	49.230	1.5	97	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.419	-0.8	98	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.520	7.0	90	0.00
82 T	4-Chlorotoluene	50.000	49.086	1.8	97	0.00
83 T	tert-Butylbenzene	50.000	49.742	0.5	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.455	-2.9	99	0.00
85 T	sec-Butylbenzene	50.000	50.405	-0.8	98	0.00
86 T	p-Isopropyltoluene	50.000	51.574	-3.1	98	0.00
87 T	1,3-Dichlorobenzene	50.000	49.310	1.4	99	0.00
88 T	1,4-Dichlorobenzene	50.000	49.448	1.1	99	0.00
89 T	n-Butylbenzene	50.000	51.422	-2.8	98	0.00
90 T	Hexachloroethane	50.000	48.894	2.2	99	0.00
91 T	1,2-Dichlorobenzene	50.000	50.078	-0.2	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.624	-1.2	103	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.582	-9.2	103	0.00
94 T	Hexachlorobutadiene	50.000	51.756	-3.5	102	0.00
95 T	Naphthalene	50.000	60.132	-20.3	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	55.748	-11.5	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

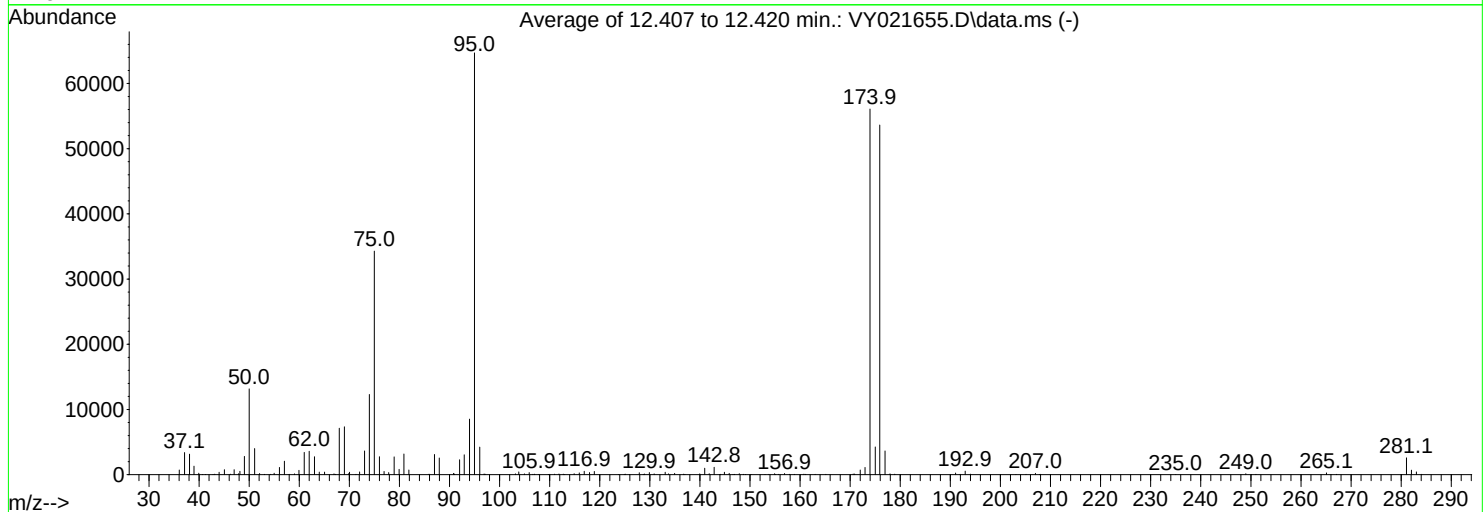
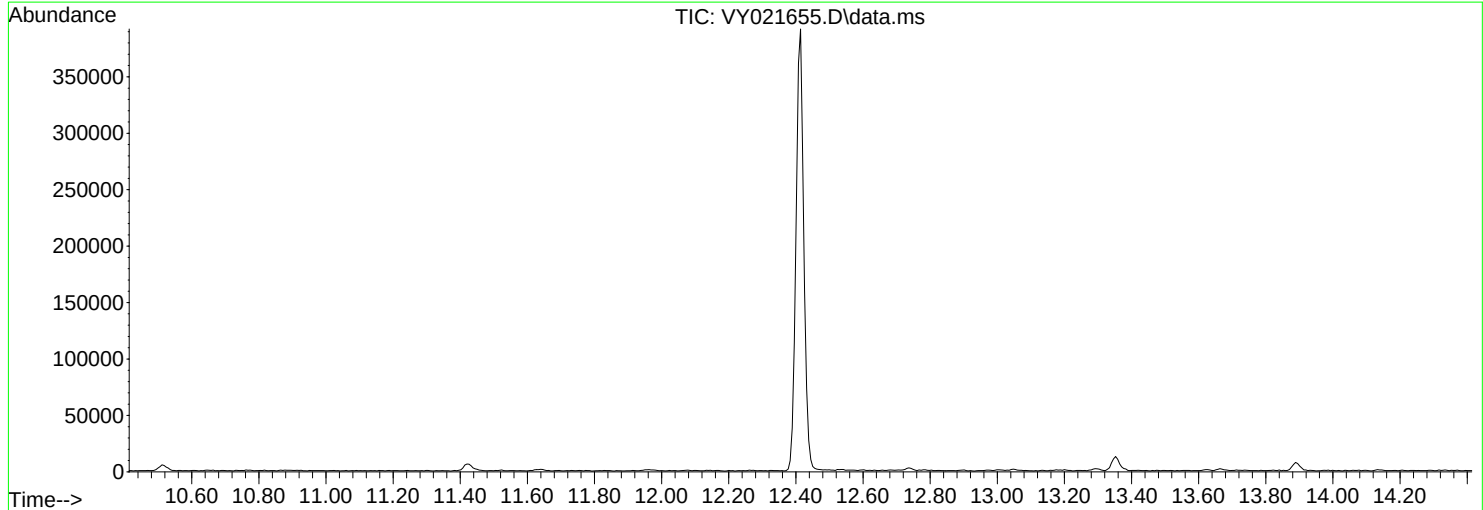
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- 19

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021655.D
Acq On : 27 Mar 2025 09:23
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\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

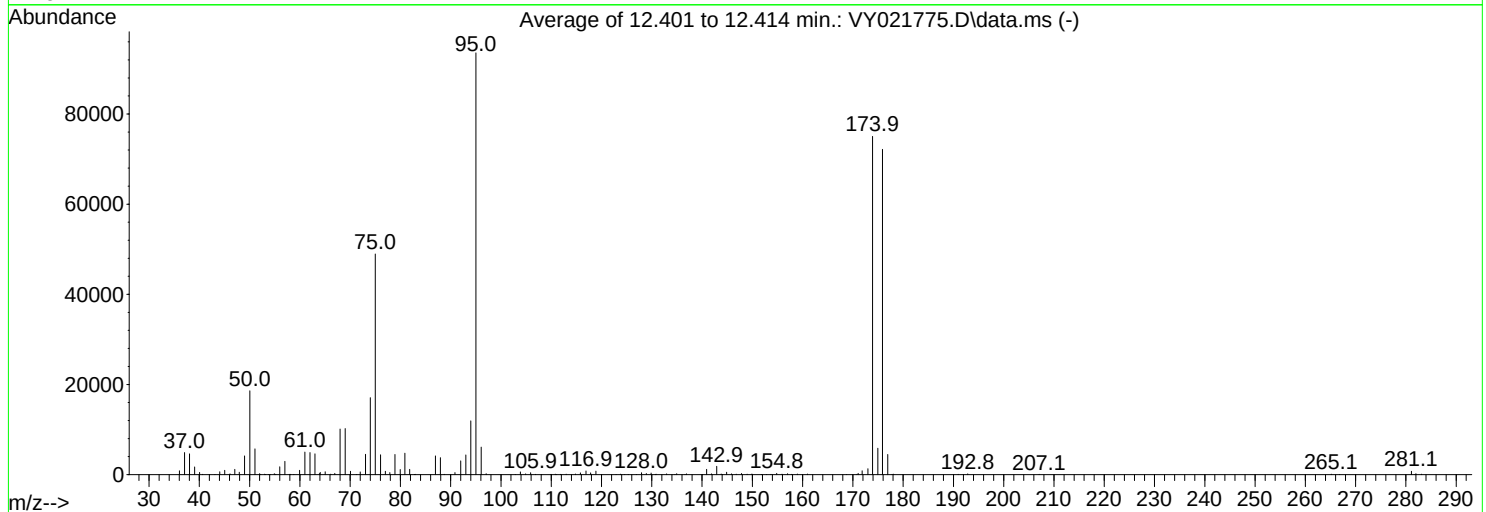
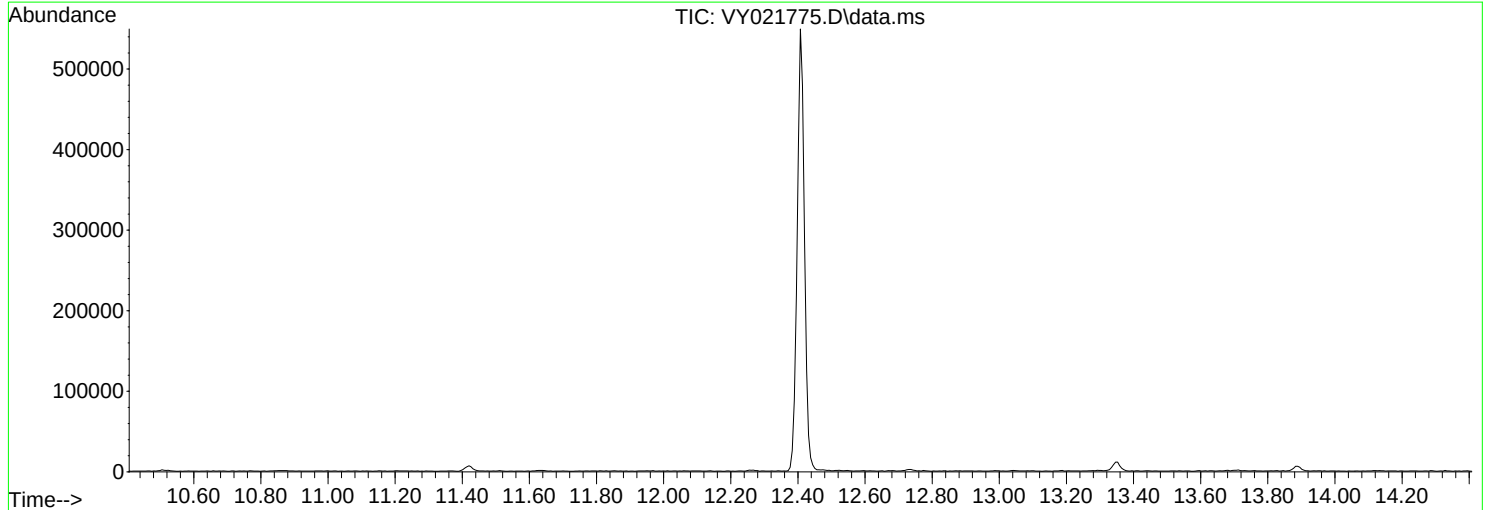
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Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
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75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021775.D
Acq On : 04 Apr 2025 08:52
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\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

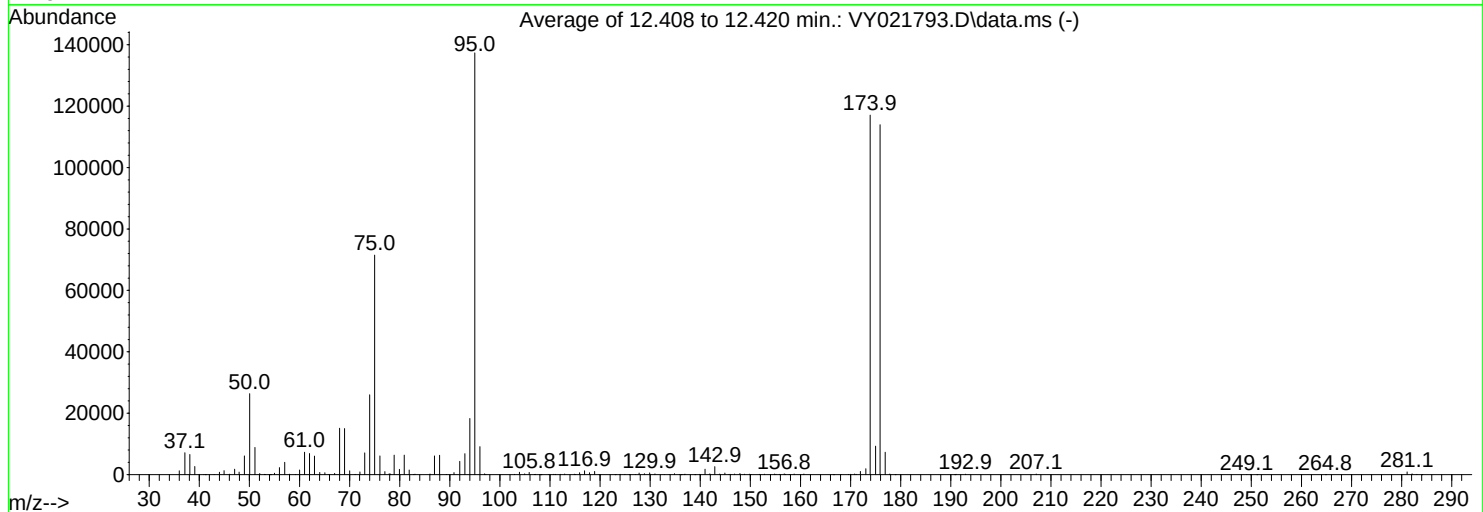
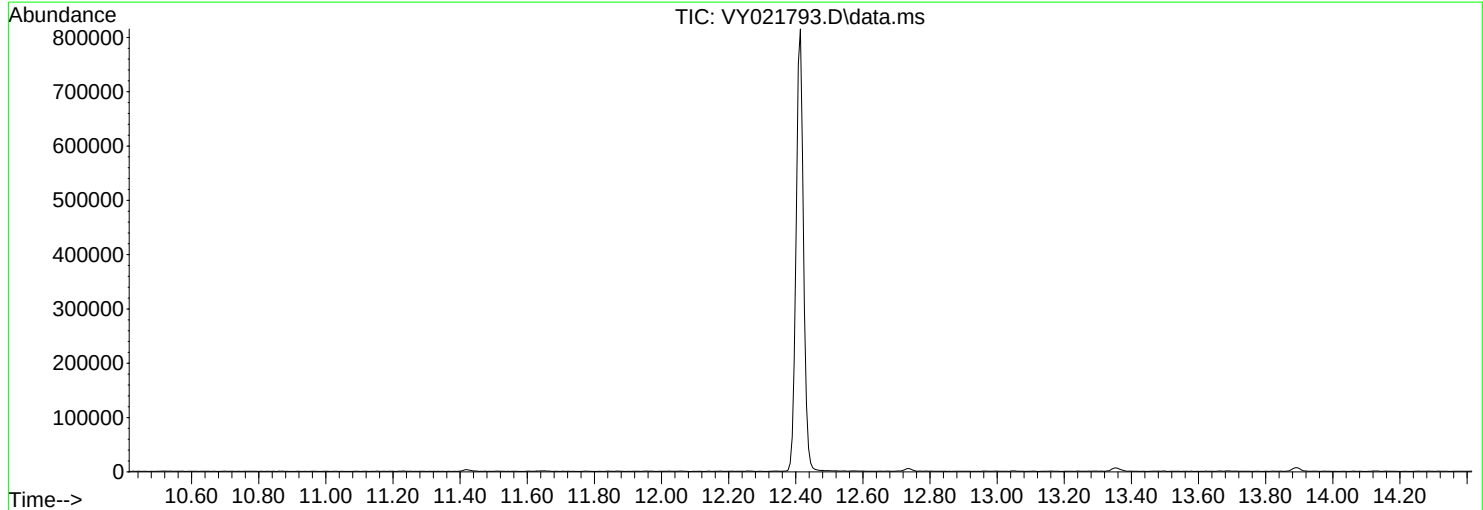
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.9	18613	PASS
75	95	30	60	52.3	48936	PASS
95	95	100	100	100.0	93568	PASS
96	95	5	9	6.5	6100	PASS
173	174	0.00	2	1.8	1333	PASS
174	95	50	100	80.2	75040	PASS
175	174	5	9	7.8	5856	PASS
176	174	95	101	96.2	72171	PASS
177	176	5	9	6.2	4456	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021793.D
Acq On : 07 Apr 2025 08:38
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\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.2	26355	PASS
75	95	30	60	52.1	71517	PASS
95	95	100	100	100.0	137363	PASS
96	95	5	9	6.7	9139	PASS
173	174	0.00	2	1.7	1957	PASS
174	95	50	100	85.2	117088	PASS
175	174	5	9	7.9	9285	PASS
176	174	95	101	97.3	113936	PASS
177	176	5	9	6.4	7306	PASS

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0404SBL01		SDG No.:	Q1730
Lab Sample ID:	VY0404SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021777.D	1		04/04/25 09:57	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0404SBL01		SDG No.:	Q1730
Lab Sample ID:	VY0404SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021777.D	1		04/04/25 09:57	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0404SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021777.D	1		04/04/25 09:57	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	293000	7.713				
540-36-3	1,4-Difluorobenzene	558000	8.616				
3114-55-4	Chlorobenzene-d5	508000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.347				

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\VY040425\
Data File : VY021777.D
Acq On : 04 Apr 2025 09:57
Operator : SY/MD
Sample : VY0404SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Quant Time: Apr 04 23:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	292871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	508122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	199436	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166091	52.342	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.680%
35) Dibromofluoromethane	7.634	113	182822	50.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.040%
50) Toluene-d8	10.109	98	678710	49.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.408	95	210519	45.212	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.420%

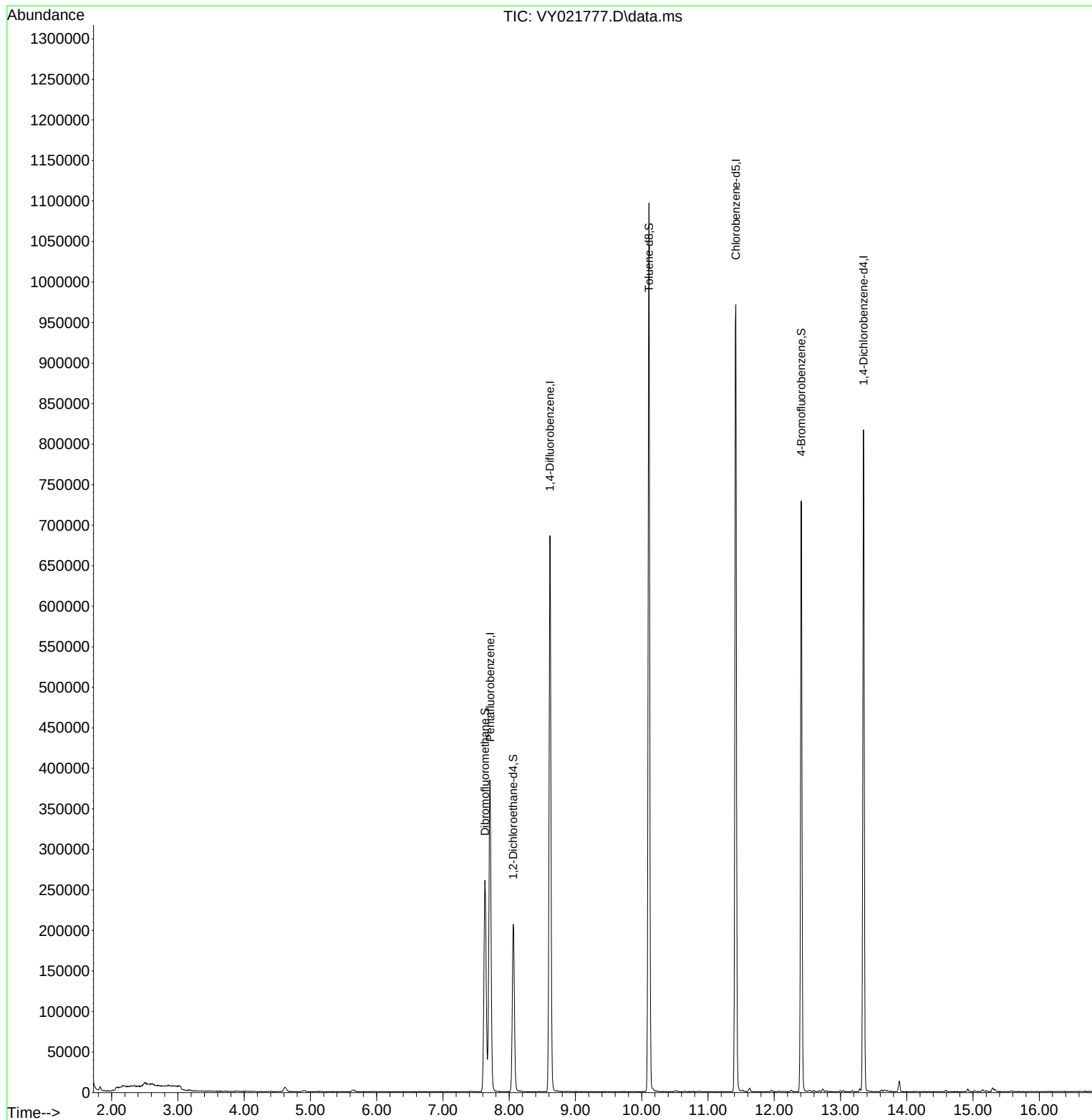
Target Compounds	Qvalue
------------------	--------

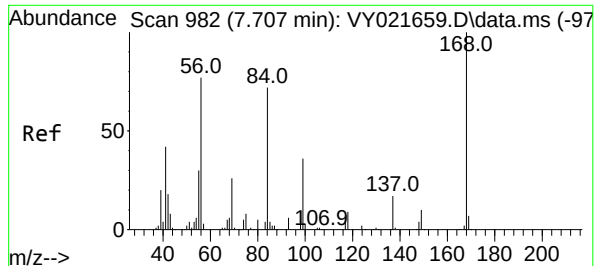
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021777.D
Acq On : 04 Apr 2025 09:57
Operator : SY/MD
Sample : VY0404SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Quant Time: Apr 04 23:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

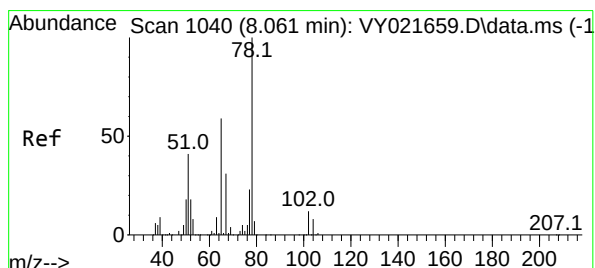
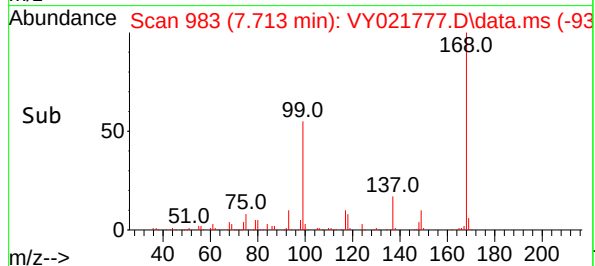
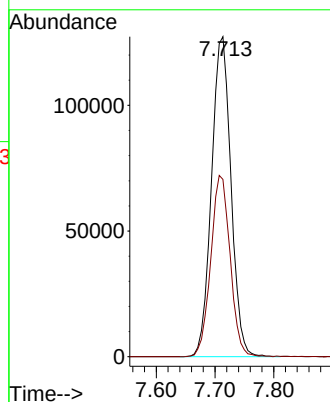
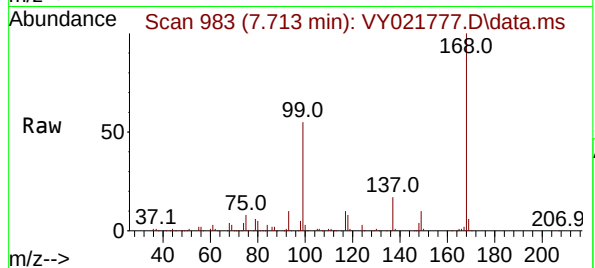




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

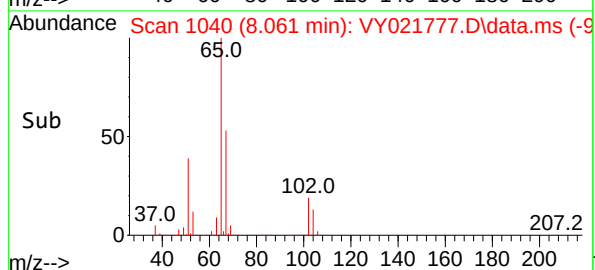
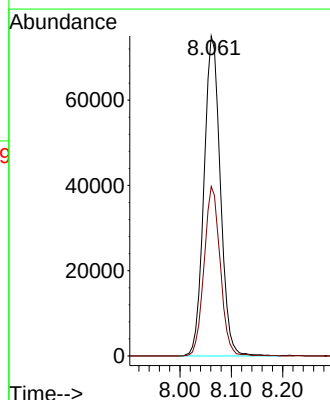
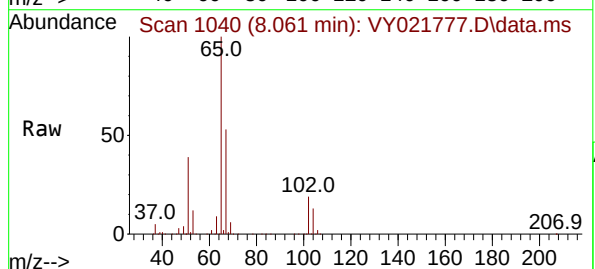
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

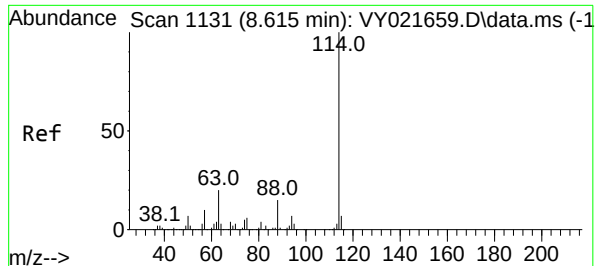
Tgt Ion:168 Resp: 292871
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.342 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Tgt Ion: 65 Resp: 166091
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021777.D

Acq: 04 Apr 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBL01

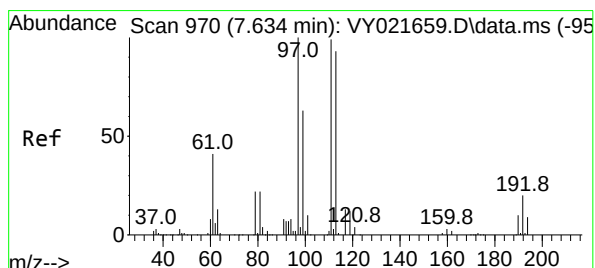
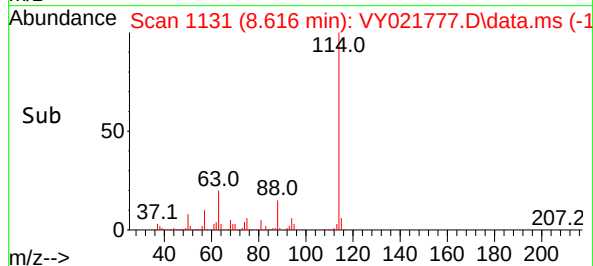
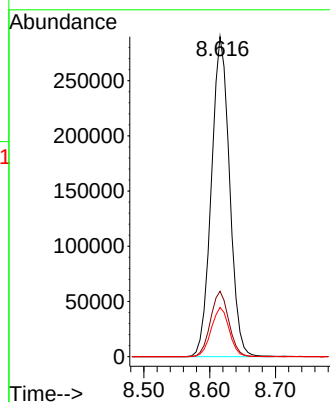
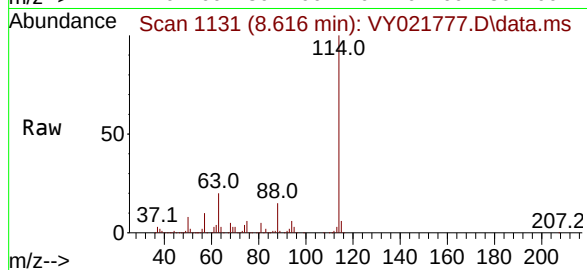
Tgt Ion:114 Resp: 557825

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.524 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021777.D

Acq: 04 Apr 2025 09:57

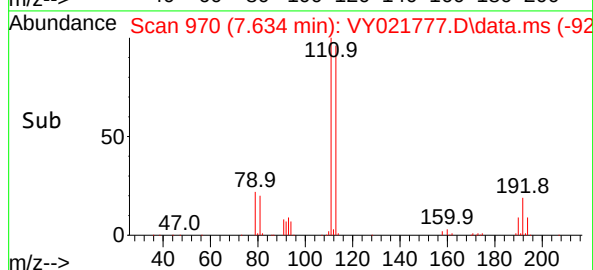
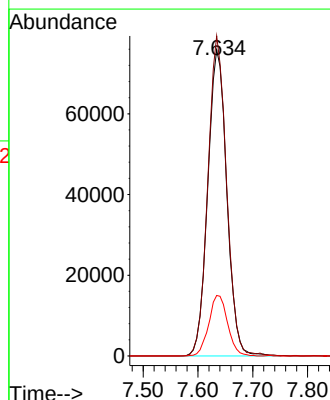
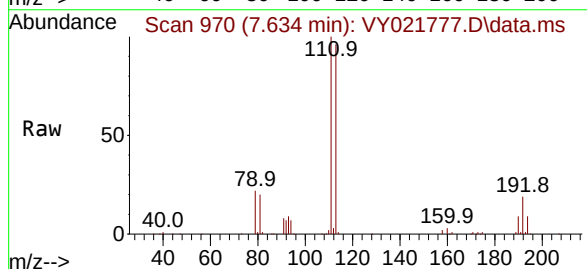
Tgt Ion:113 Resp: 182822

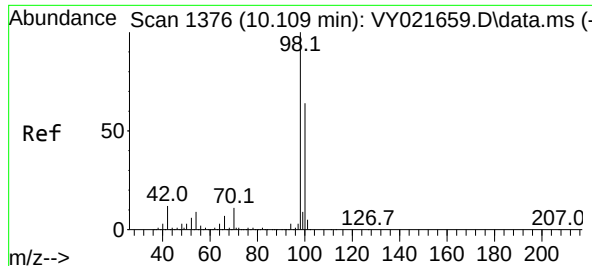
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.6 16.2 24.4





#50

Toluene-d8

Concen: 49.304 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021777.D

Acq: 04 Apr 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

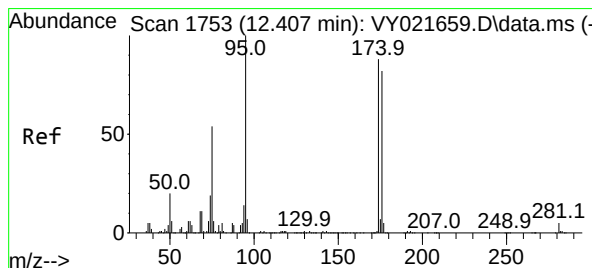
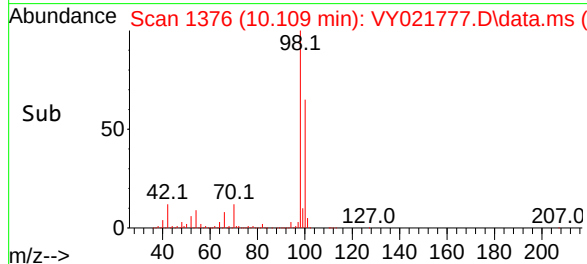
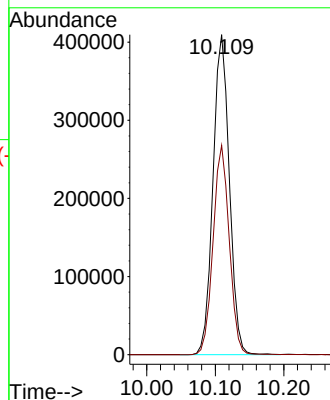
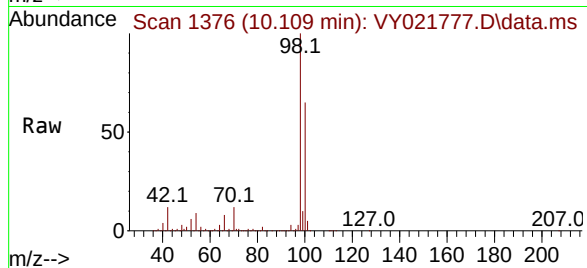
VY0404SBL01

Tgt Ion: 98 Resp: 678710

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.212 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021777.D

Acq: 04 Apr 2025 09:57

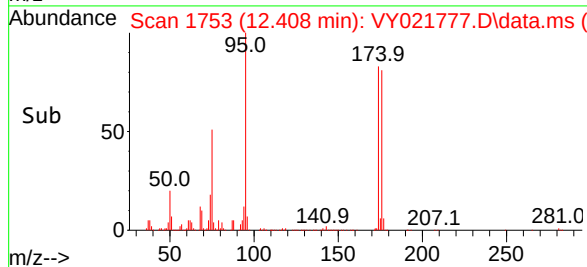
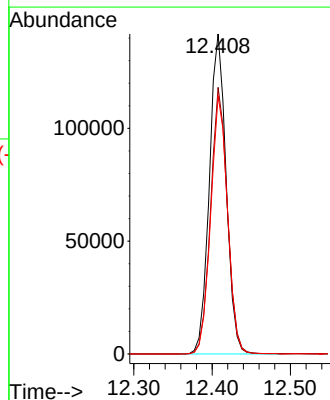
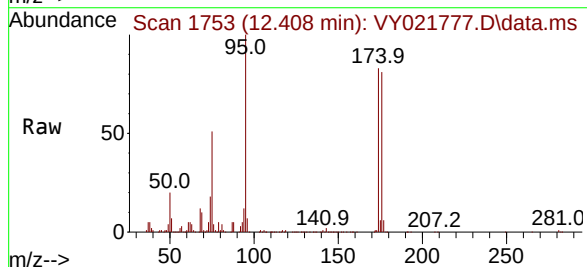
Tgt Ion: 95 Resp: 210519

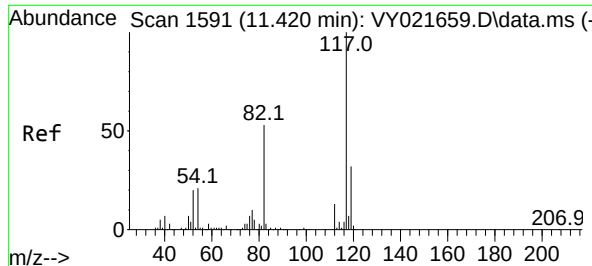
Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.8

176 81.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021777.D

Acq: 04 Apr 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBL01

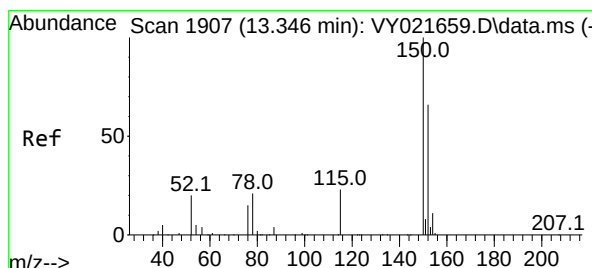
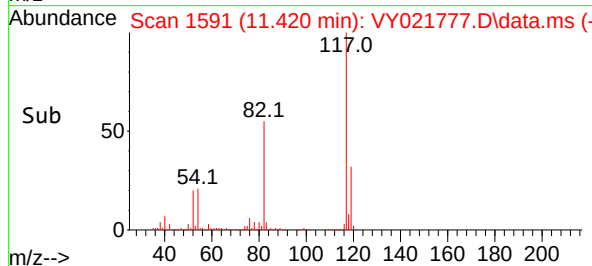
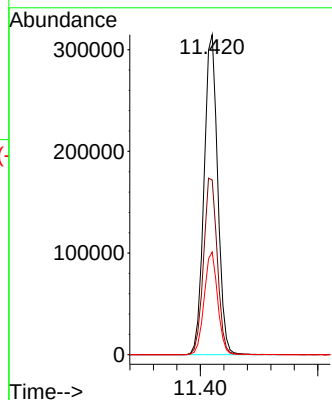
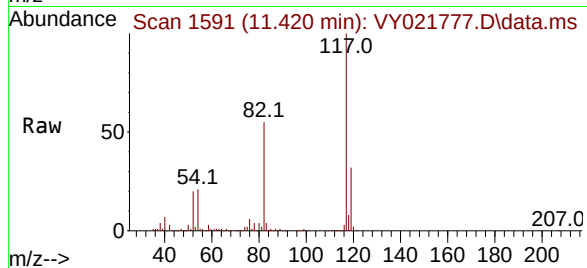
Tgt Ion:117 Resp: 508122

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021777.D

Acq: 04 Apr 2025 09:57

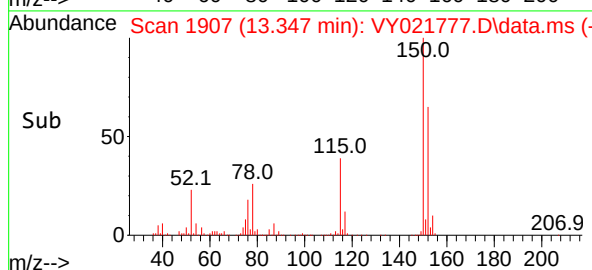
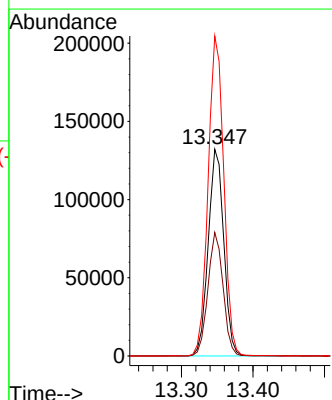
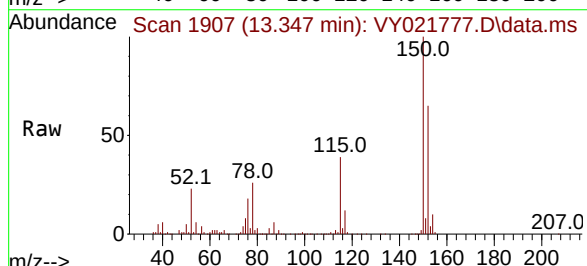
Tgt Ion:152 Resp: 199436

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 155.9 0.0 348.4



Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0407SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021795.D	1		04/07/25 13:35	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0407SBL01		SDG No.:	Q1730
Lab Sample ID:	VY0407SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021795.D	1		04/07/25 13:35	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0407SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021795.D	1		04/07/25 13:35	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.6		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	47.6		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	188000	7.713				
540-36-3	1,4-Difluorobenzene	313000	8.616				
3114-55-4	Chlorobenzene-d5	266000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.352				

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\VY040725\
Data File : VY021795.D
Acq On : 07 Apr 2025 13:35
Operator : SY/MD
Sample : VY0407SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Quant Time: Apr 08 03:31:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	188077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	265951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117542	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105208	51.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.260%
35) Dibromofluoromethane	7.640	113	102182	50.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.540%
50) Toluene-d8	10.109	98	367788	47.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.408	95	109514	41.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.740%

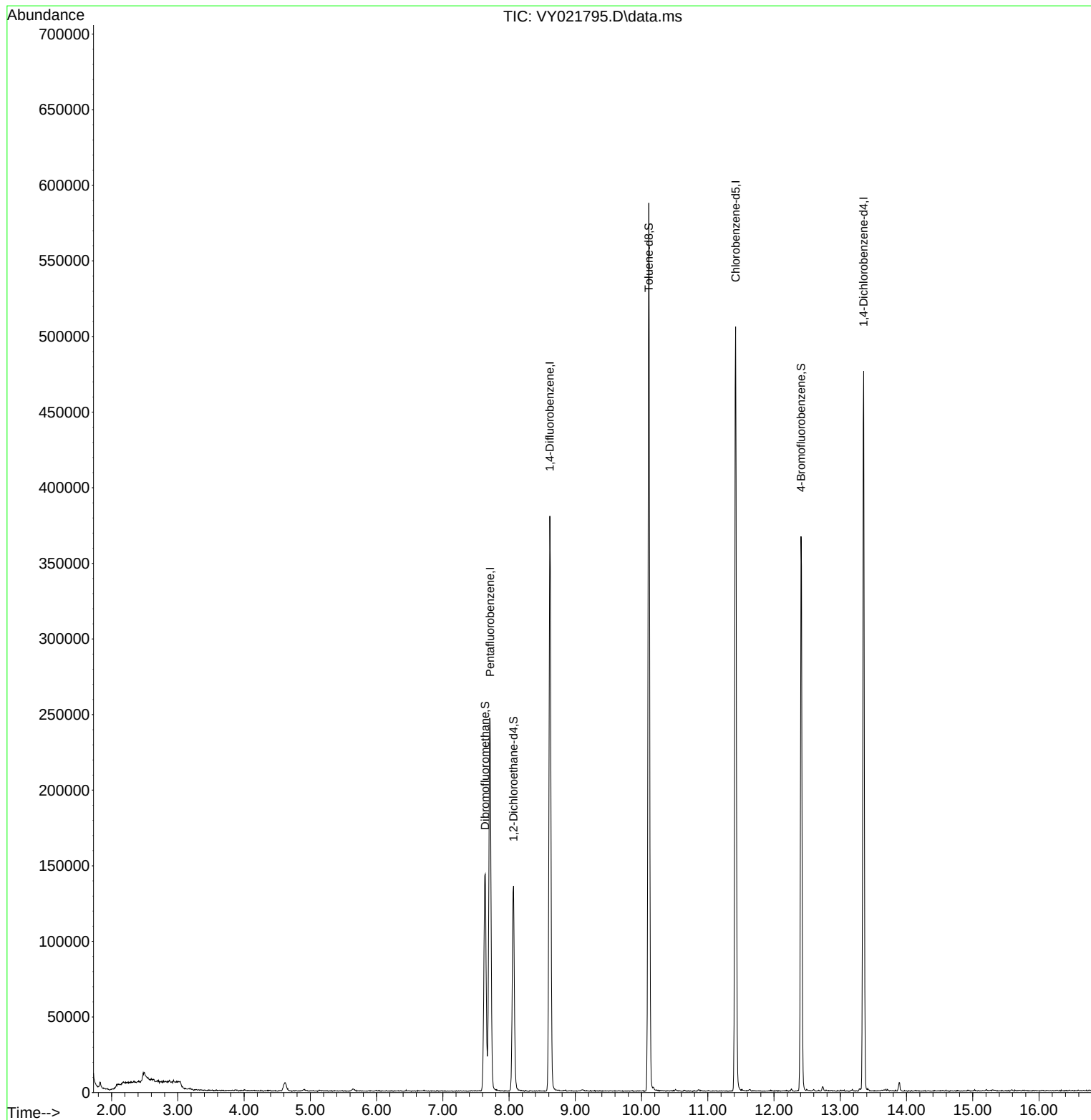
Target Compounds	Qvalue
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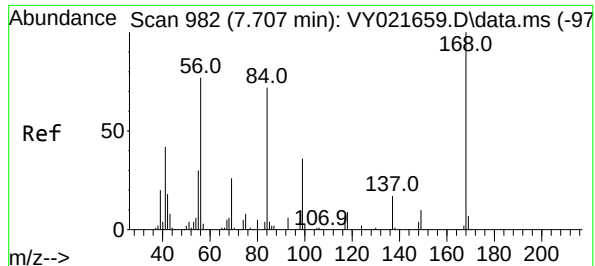
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021795.D
Acq On : 07 Apr 2025 13:35
Operator : SY/MD
Sample : VY0407SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Quant Time: Apr 08 03:31:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

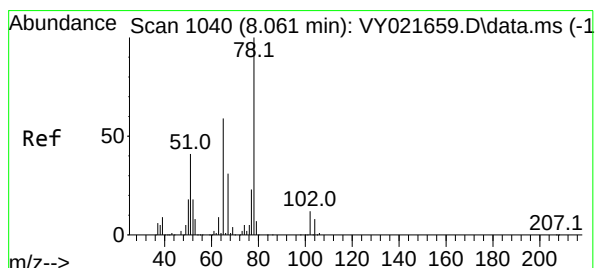
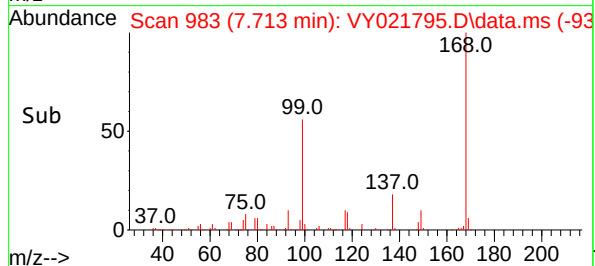
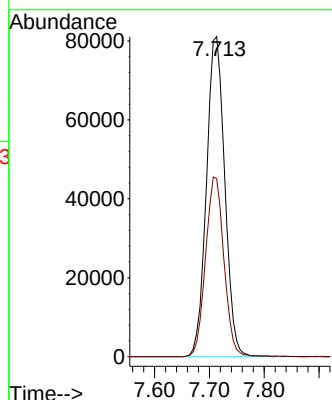
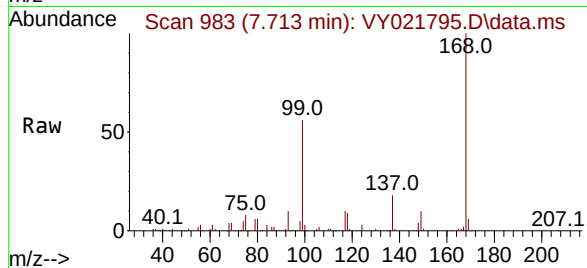




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

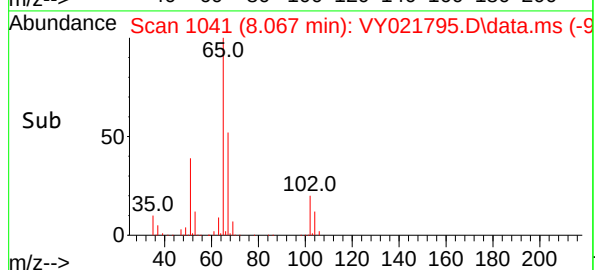
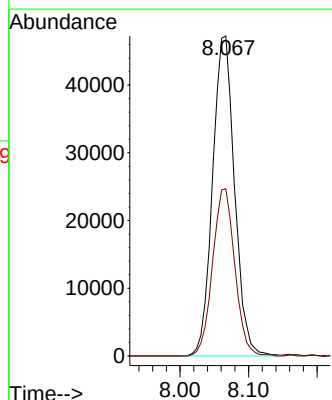
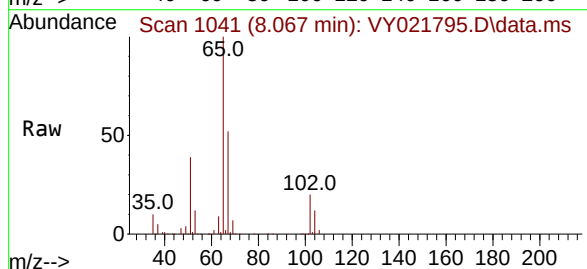
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

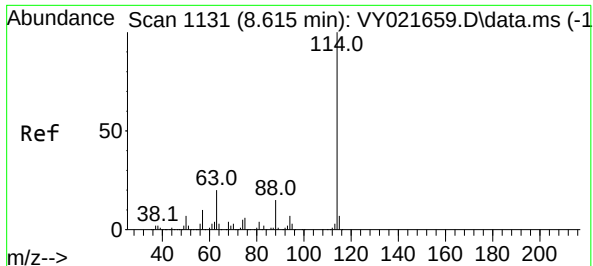
Tgt Ion:168 Resp: 188077
Ion Ratio Lower Upper
168 100
99 55.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 51.629 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion: 65 Resp: 105208
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBL01

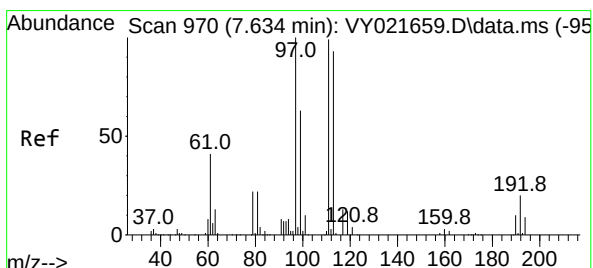
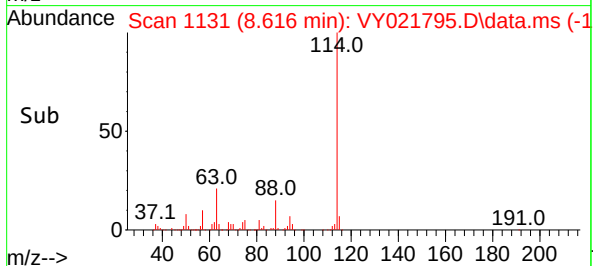
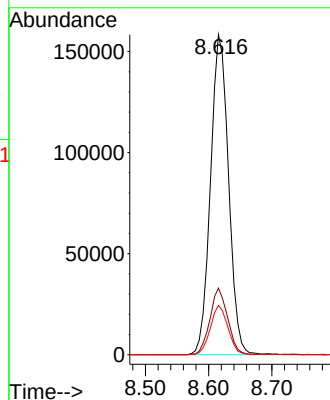
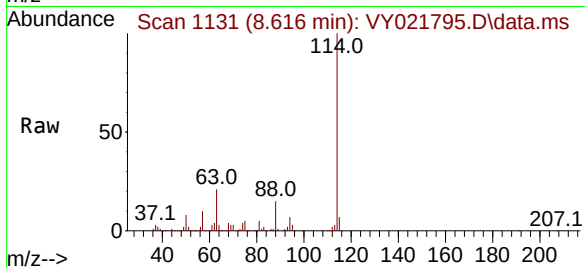
Tgt Ion:114 Resp: 313333

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.273 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

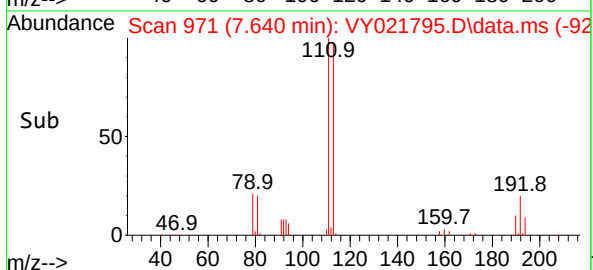
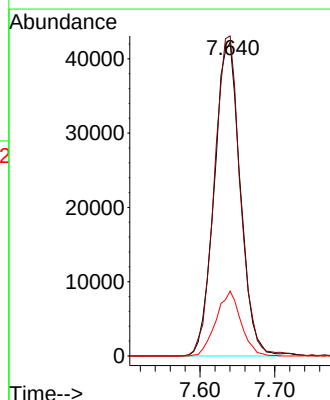
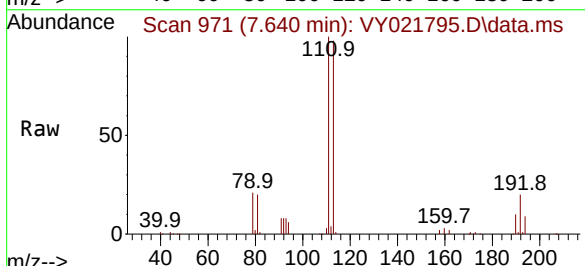
Tgt Ion:113 Resp: 102182

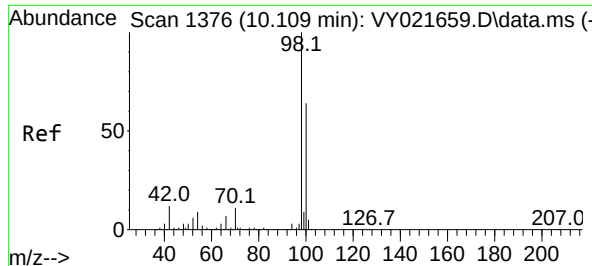
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 19.8 16.2 24.4





#50

Toluene-d8

Concen: 47.565 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

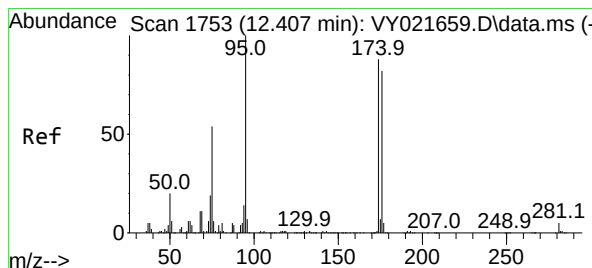
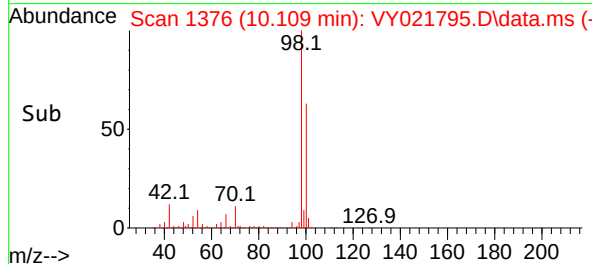
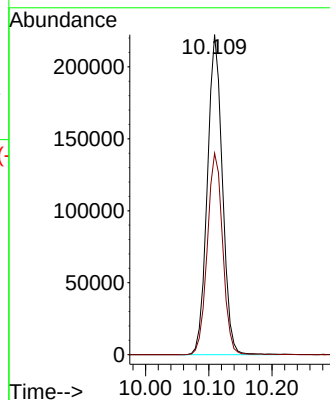
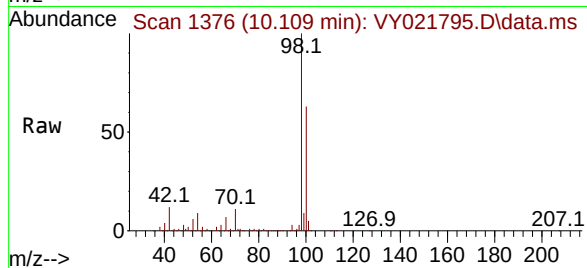
VY0407SBL01

Tgt Ion: 98 Resp: 367788

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 41.872 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

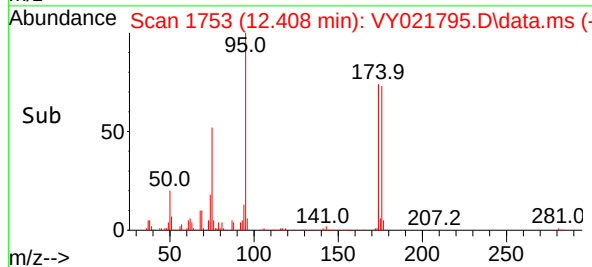
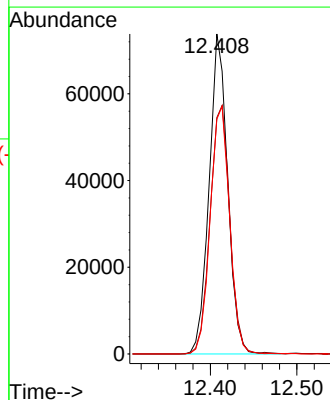
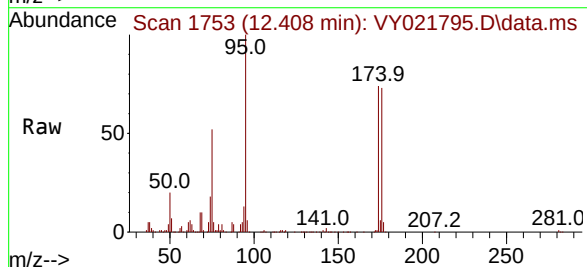
Tgt Ion: 95 Resp: 109514

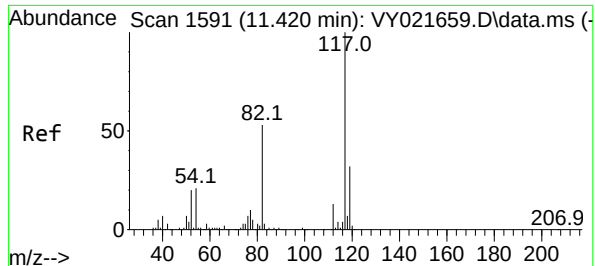
Ion Ratio Lower Upper

95 100

174 82.7 0.0 170.8

176 81.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBL01

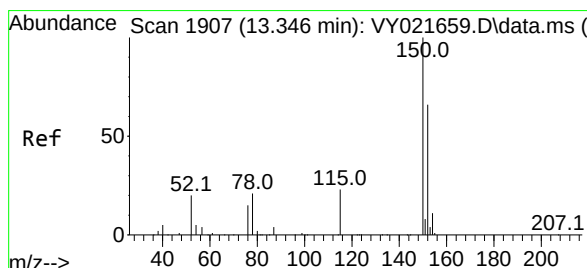
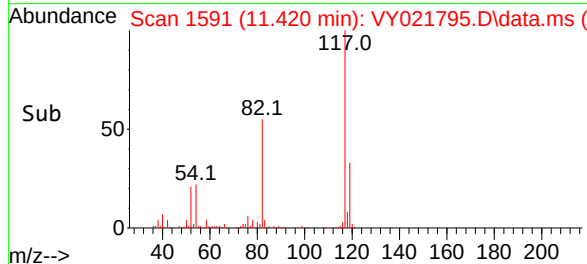
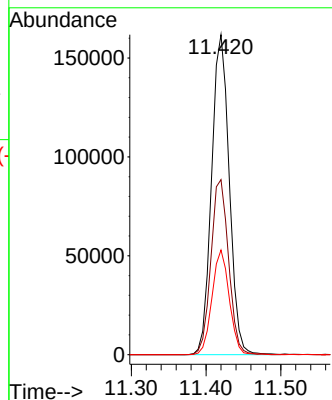
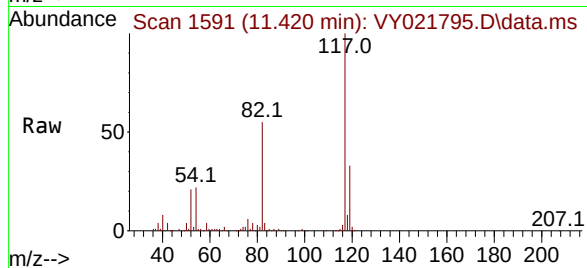
Tgt Ion:117 Resp: 265951

Ion Ratio Lower Upper

117 100

82 54.7 42.8 64.2

119 32.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021795.D

Acq: 07 Apr 2025 13:35

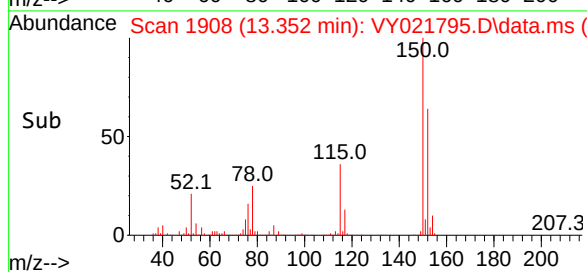
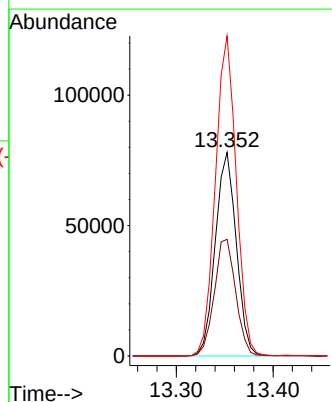
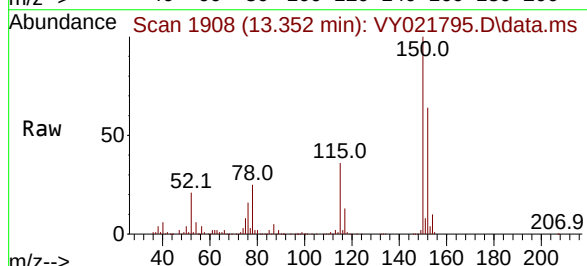
Tgt Ion:152 Resp: 117542

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 156.1 0.0 348.4



Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0404SBS01		SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021778.D	1		04/04/25 10:26	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.086		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.089		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.086		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.087		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.019		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.089		0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0404SBS01		SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021778.D	1		04/04/25 10:26	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.019		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.019		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.086		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.019		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.019		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.039		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.059		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.017		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.018		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.019		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.019		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.019		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.019		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.019		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.019		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0404SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021778.D	1		04/04/25 10:26	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.019		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.016		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.8		85 - 116		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	212000	7.707				
540-36-3	1,4-Difluorobenzene	334000	8.616				
3114-55-4	Chlorobenzene-d5	293000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.346				

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\VY040425\
 Data File : VY021778.D
 Acq On : 04 Apr 2025 10:26
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	212143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120482	52.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.634	113	115347	53.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	442990	53.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.408	95	147041	52.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	41144	18.712	ug/l	99
3) Chloromethane	2.068	50	58954	19.068	ug/l	99
4) Vinyl Chloride	2.202	62	65062	18.607	ug/l	97
5) Bromomethane	2.592	94	47976	20.117	ug/l	95
6) Chloroethane	2.732	64	43877	19.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	89235	19.922	ug/l	100
8) Diethyl Ether	3.458	74	22185	18.213	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	48570	20.560	ug/l	98
10) Methyl Iodide	4.000	142	44798	17.285	ug/l	99
11) Tert butyl alcohol	4.866	59	12244	82.013	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42906	19.282	ug/l	92
13) Acrolein	3.647	56	16463	60.392	ug/l	99
14) Allyl chloride	4.378	41	67265	18.959	ug/l	100
15) Acrylonitrile	5.055	53	45360	89.186	ug/l	99
16) Acetone	3.872	43	40290	85.648	ug/l	96
17) Carbon Disulfide	4.104	76	137006	18.693	ug/l	98
18) Methyl Acetate	4.391	43	20676	17.734	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	100727	18.182	ug/l	99
20) Methylene Chloride	4.616	84	49303	19.022	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	46460	18.963	ug/l	97
22) Diisopropyl ether	6.018	45	146797	19.724	ug/l	99
23) Vinyl Acetate	5.957	43	398090	91.434	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88158	19.810	ug/l	99
25) 2-Butanone	6.896	43	58346	86.838	ug/l	100
26) 2,2-Dichloropropane	6.884	77	79277	20.027	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53845	19.543	ug/l	98
28) Bromochloromethane	7.244	49	36923	19.673	ug/l	99
29) Tetrahydrofuran	7.262	42	37289	86.232	ug/l	99
30) Chloroform	7.421	83	91381	19.742	ug/l	98
31) Cyclohexane	7.701	56	79706	19.648	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	82677	19.763	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66538	20.193	ug/l	100
37) Ethyl Acetate	6.982	43	27198	17.489	ug/l	98
38) Carbon Tetrachloride	7.817	117	76509	20.272	ug/l	97
39) Methylcyclohexane	9.109	83	76412	19.412	ug/l	96
40) Benzene	8.079	78	195115	19.772	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021778.D
 Acq On : 04 Apr 2025 10:26
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	17734m	21.473	ug/l	
42) 1,2-Dichloroethane	8.158	62	54315	19.524	ug/l	99
43) Isopropyl Acetate	8.195	43	52154	17.697	ug/l	100
44) Trichloroethene	8.865	130	51288	20.398	ug/l	100
45) 1,2-Dichloropropane	9.140	63	46551	19.929	ug/l	93
46) Dibromomethane	9.231	93	25248	18.755	ug/l	99
47) Bromodichloromethane	9.420	83	68808	19.726	ug/l	97
48) Methyl methacrylate	9.219	41	23114	17.089	ug/l	96
49) 1,4-Dioxane	9.231	88	4846	336.031	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	135987	88.669	ug/l	99
52) Toluene	10.170	92	123058	19.987	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	59016	19.048	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	70388	19.257	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33954	19.599	ug/l	98
56) Ethyl methacrylate	10.438	69	40236	18.189	ug/l	98
57) 1,3-Dichloropropane	10.719	76	56667	18.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	102441	94.929	ug/l	99
59) 2-Hexanone	10.761	43	87999	86.157	ug/l	99
60) Dibromochloromethane	10.908	129	45764	19.348	ug/l	98
61) 1,2-Dibromoethane	11.011	107	31019	19.087	ug/l	98
64) Tetrachloroethene	10.646	164	57226	21.437	ug/l	100
65) Chlorobenzene	11.444	112	132663	19.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	48189	20.215	ug/l	99
67) Ethyl Benzene	11.517	91	225955	19.612	ug/l	100
68) m/p-Xylenes	11.627	106	172512	39.102	ug/l	100
69) o-Xylene	11.956	106	80655	19.805	ug/l	98
70) Styrene	11.969	104	133338	19.637	ug/l	99
71) Bromoform	12.133	173	25637	18.854	ug/l #	100
73) Isopropylbenzene	12.255	105	212669	18.738	ug/l	99
74) N-amyl acetate	12.072	43	42780	16.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	34853	17.080	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	27600m	18.221	ug/l	
77) Bromobenzene	12.529	156	51842	19.024	ug/l	97
78) n-propylbenzene	12.597	91	266033	19.496	ug/l	100
79) 2-Chlorotoluene	12.682	91	151959	19.174	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	175739	18.945	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10734	16.328	ug/l	94
82) 4-Chlorotoluene	12.779	91	157038	19.006	ug/l	99
83) tert-Butylbenzene	12.999	119	153946	18.633	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	175765	19.171	ug/l	100
85) sec-Butylbenzene	13.176	105	233999	19.380	ug/l	100
86) p-Isopropyltoluene	13.292	119	193222	19.362	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	101973	18.993	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	100243	18.898	ug/l	97
89) n-Butylbenzene	13.621	91	176297	19.102	ug/l	98
90) Hexachloroethane	13.877	117	42163	19.280	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	89291	19.105	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5533	17.494	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	45347	17.892	ug/l	98
94) Hexachlorobutadiene	15.023	225	30393	19.201	ug/l	98
95) Naphthalene	15.145	128	66390	15.803	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38305	17.723	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

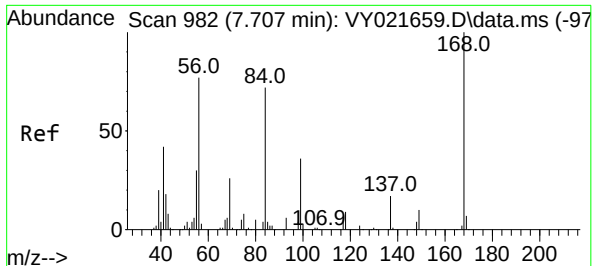
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025





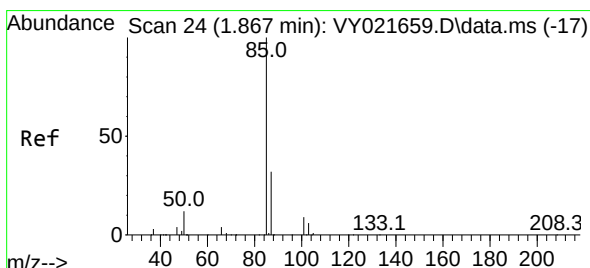
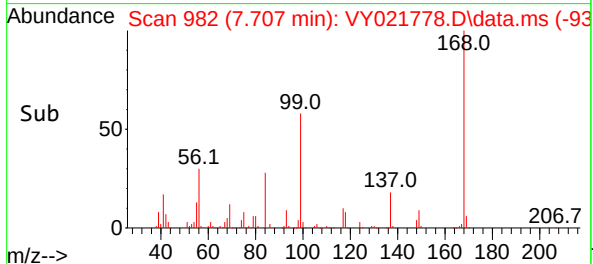
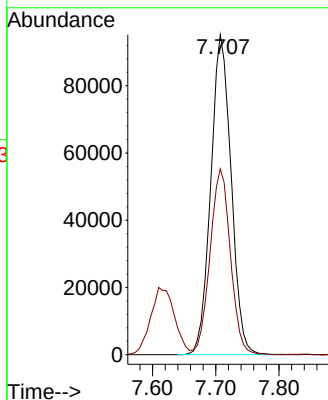
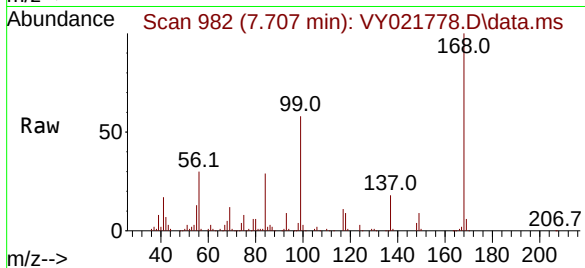
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:168 Resp: 21214
Ion Ratio Lower Upper
168 100
99 58.0 46.7 70.1

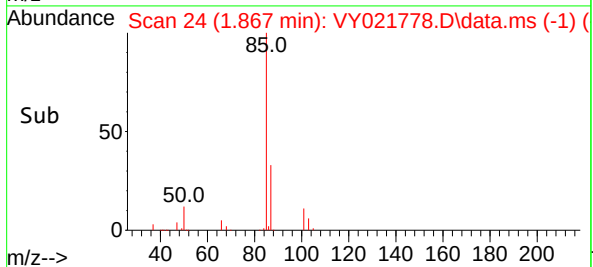
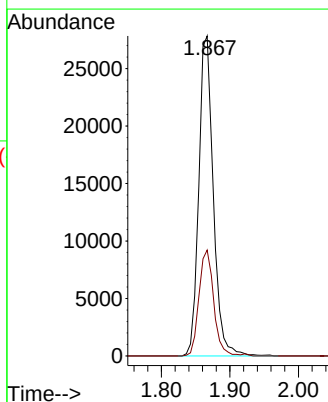
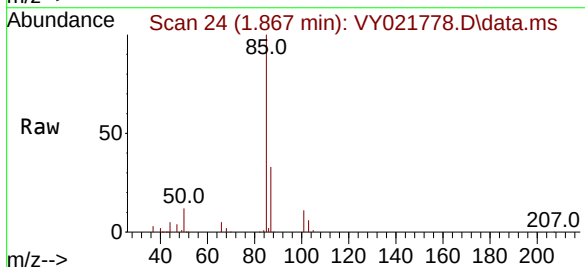
Manual Integrations
APPROVED

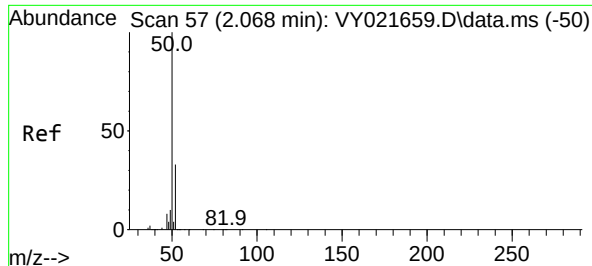
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#2
Dichlorodifluoromethane
Concen: 18.712 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

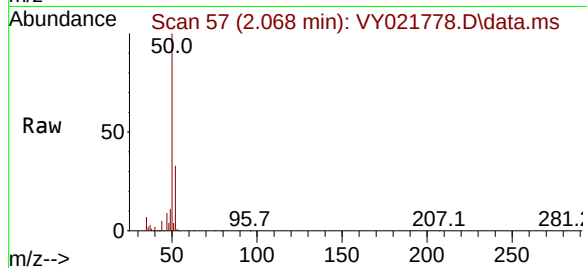
Tgt Ion: 85 Resp: 41144
Ion Ratio Lower Upper
85 100
87 33.1 16.2 48.6





#3
Chloromethane
Concen: 19.068 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

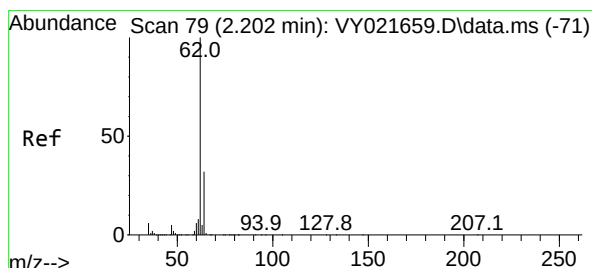
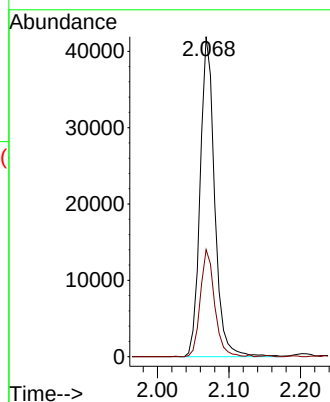
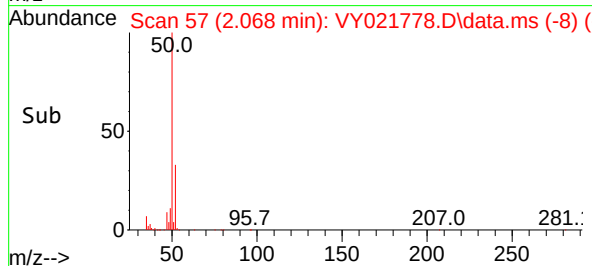
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



Tgt Ion: 50 Resp: 58954
Ion Ratio Lower Upper
50 100
52 33.4 26.3 39.5

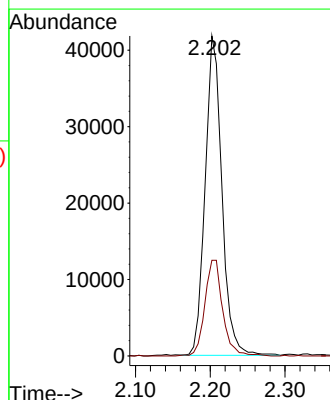
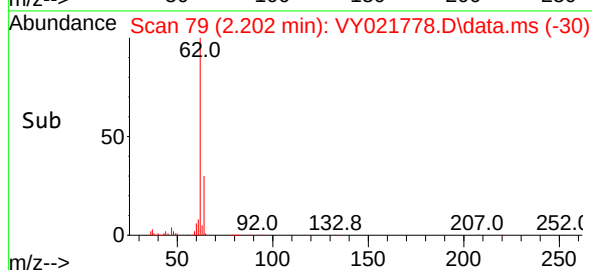
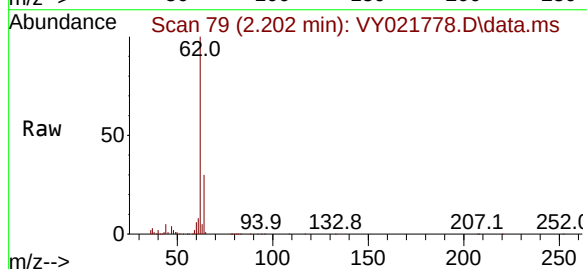
Manual Integrations
APPROVED

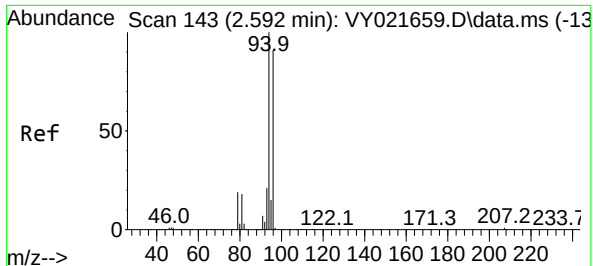
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#4
Vinyl Chloride
Concen: 18.607 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

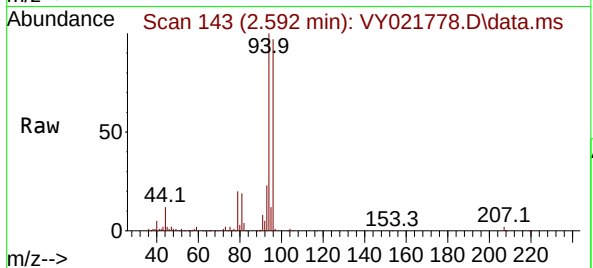
Tgt Ion: 62 Resp: 65062
Ion Ratio Lower Upper
62 100
64 30.0 25.5 38.3





#5
Bromomethane
Concen: 20.117 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

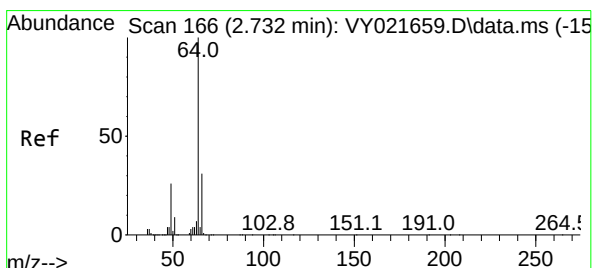
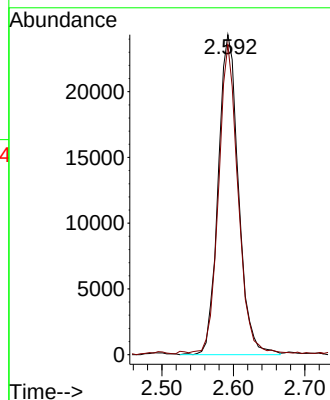
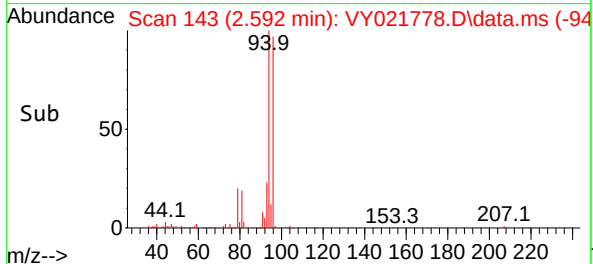
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



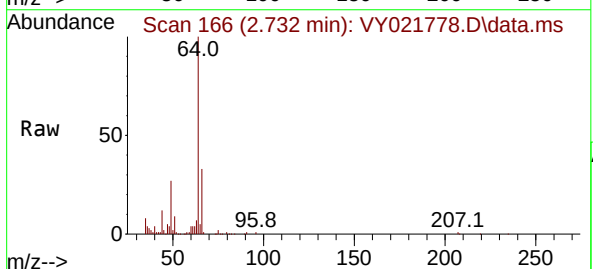
Tgt Ion: 94 Resp: 47970
Ion Ratio Lower Upper
94 100
96 96.1 72.8 109.2

Manual Integrations
APPROVED

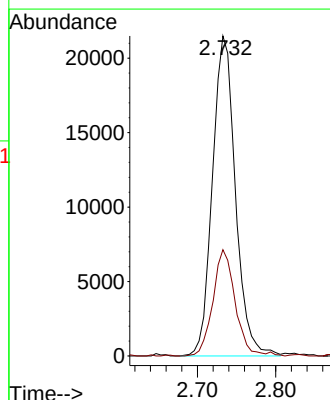
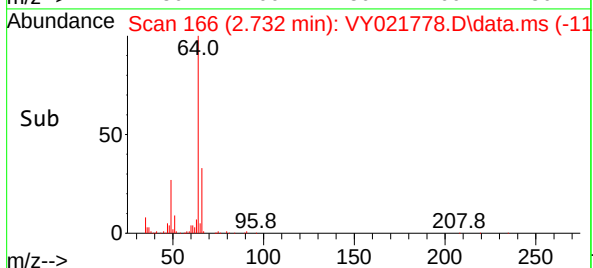
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

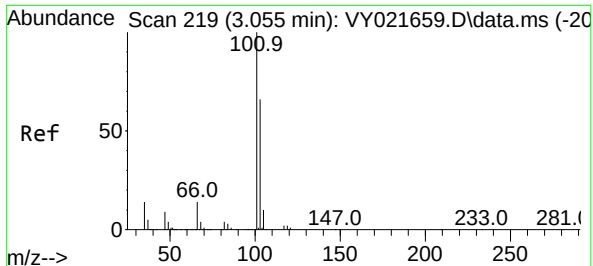


#6
Chloroethane
Concen: 19.177 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



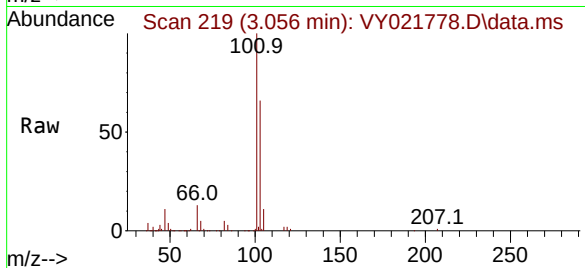
Tgt Ion: 64 Resp: 43877
Ion Ratio Lower Upper
64 100
66 33.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 19.922 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

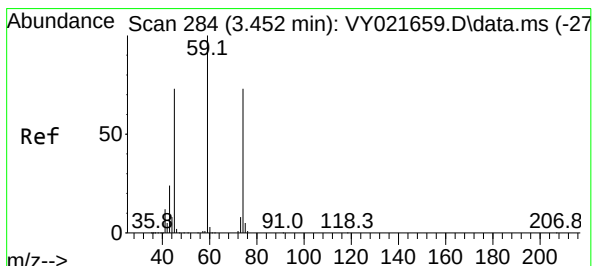
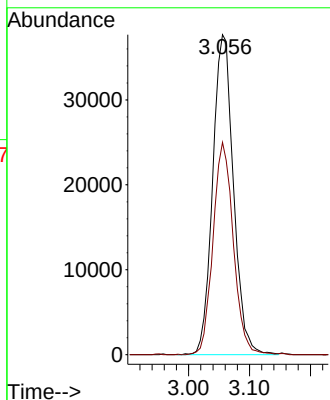
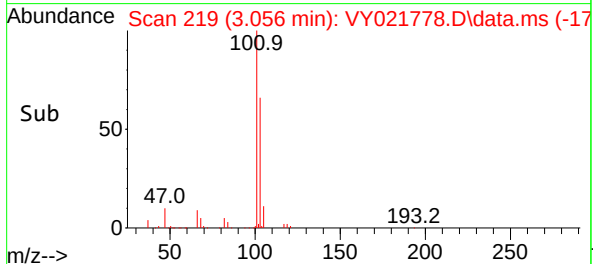
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



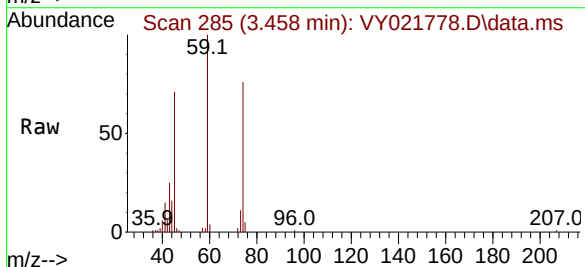
Tgt Ion:101 Resp: 89235
Ion Ratio Lower Upper
101 100
103 66.2 53.1 79.7

Manual Integrations
APPROVED

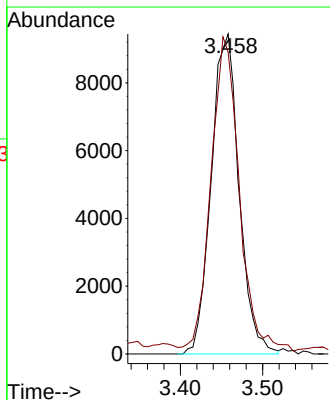
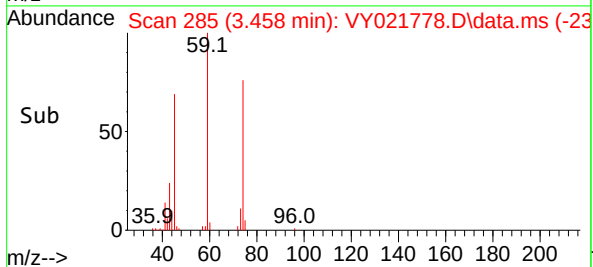
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

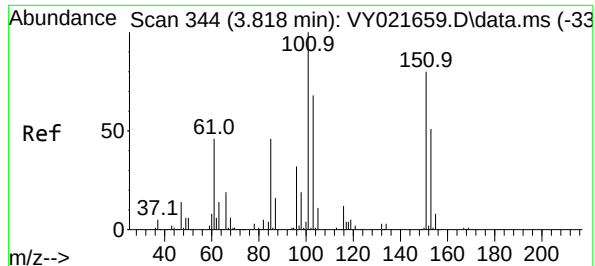


#8
Diethyl Ether
Concen: 18.213 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



Tgt Ion: 74 Resp: 22185
Ion Ratio Lower Upper
74 100
45 98.2 48.6 145.8





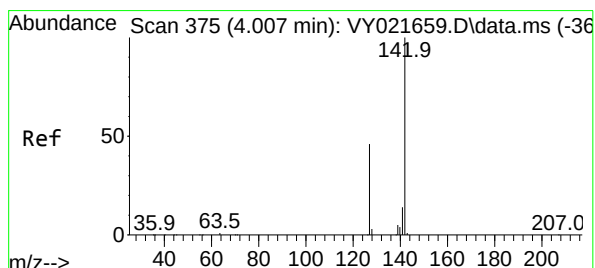
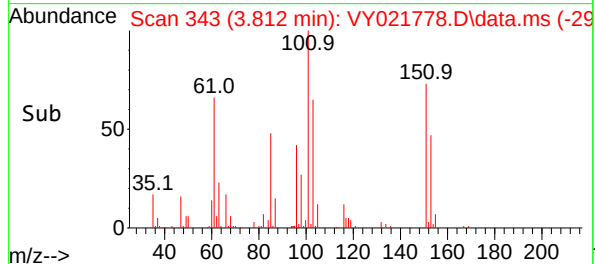
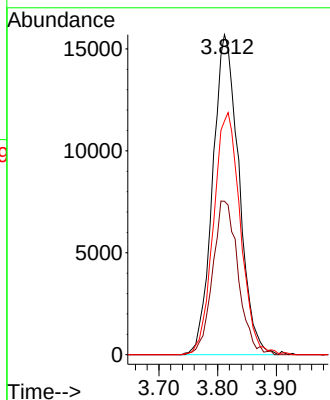
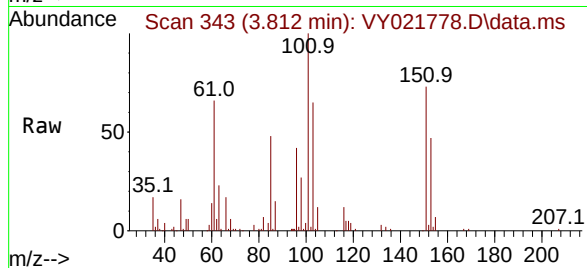
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.560 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:101 Resp: 48570
Ion Ratio Lower Upper
101 100
85 46.9 36.3 54.5
151 77.7 61.3 91.9

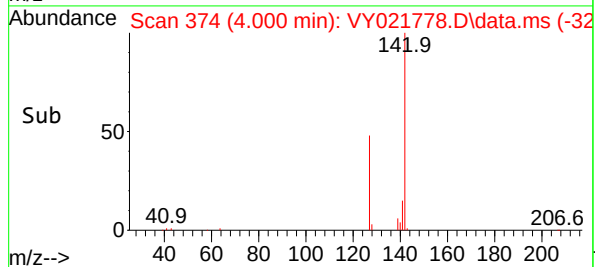
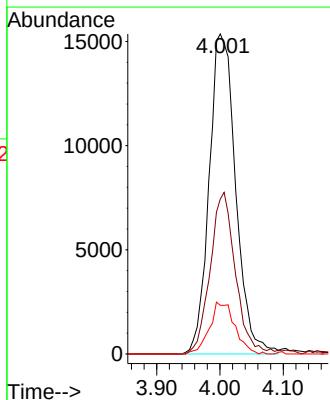
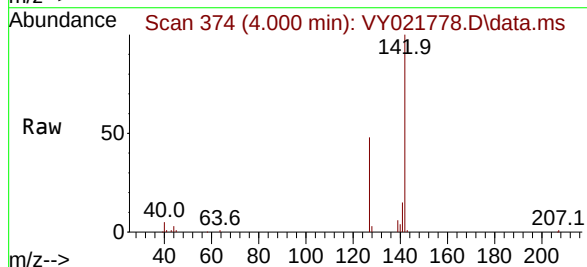
Manual Integrations
APPROVED

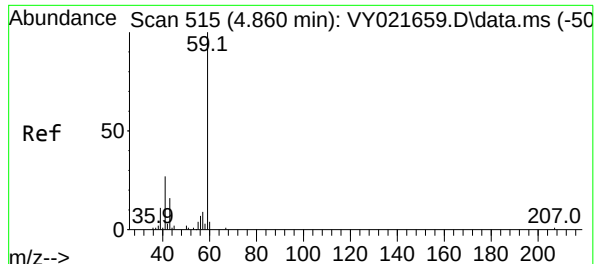
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#10
Methyl Iodide
Concen: 17.285 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:142 Resp: 44798
Ion Ratio Lower Upper
142 100
127 48.1 38.7 58.1
141 15.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 82.013 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 59 Resp: 12244

Ion Ratio Lower Upper

59 100

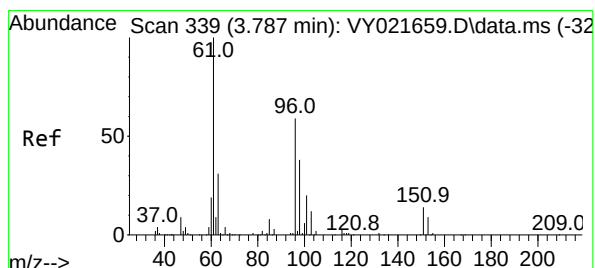
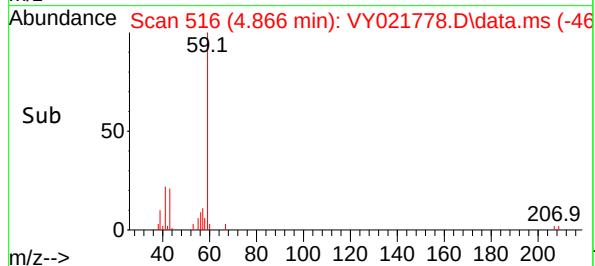
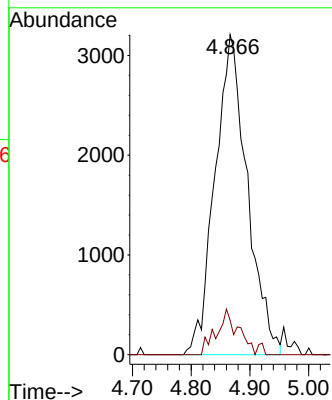
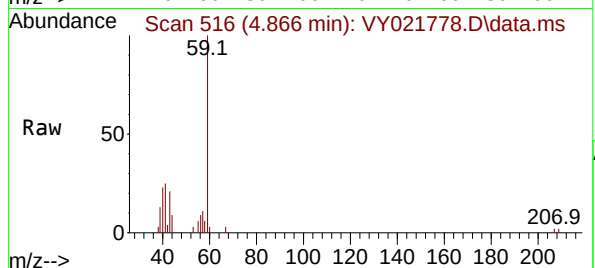
57 9.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#12

1,1-Dichloroethene

Concen: 19.282 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

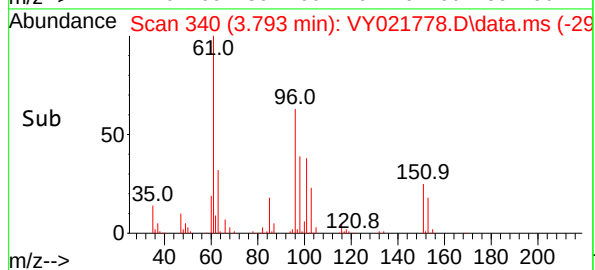
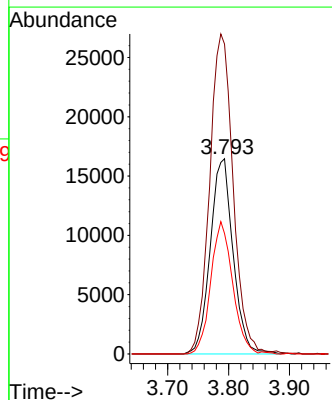
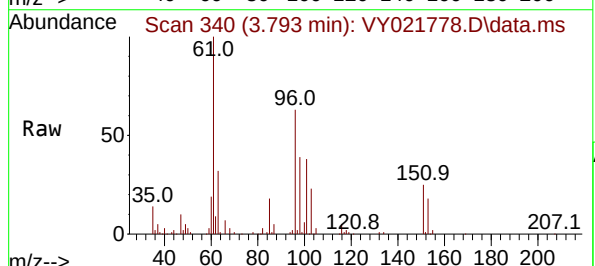
Tgt Ion: 96 Resp: 42906

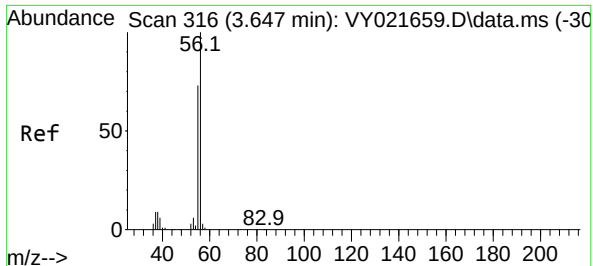
Ion Ratio Lower Upper

96 100

61 158.8 136.6 204.8

98 61.7 52.3 78.5





#13

Acrolein

Concen: 60.392 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 56 Resp: 1646

Ion Ratio Lower Upper

56 100

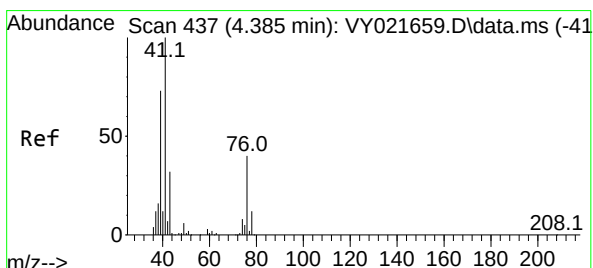
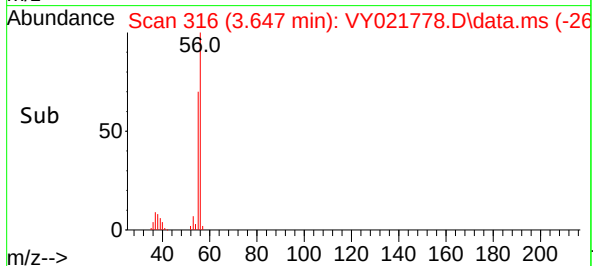
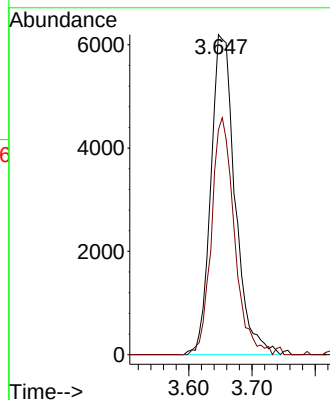
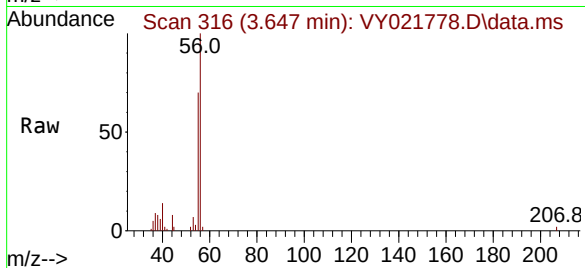
55 70.1 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#14

Allyl chloride

Concen: 18.959 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

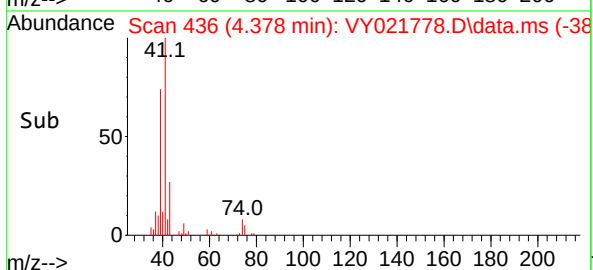
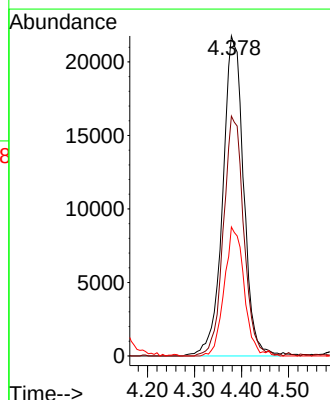
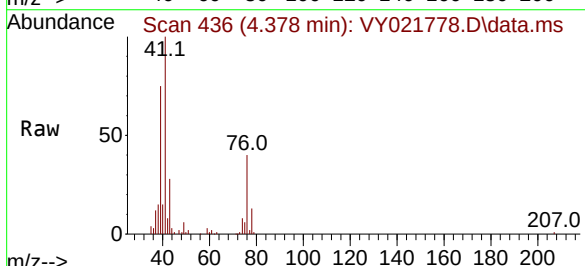
Tgt Ion: 41 Resp: 67265

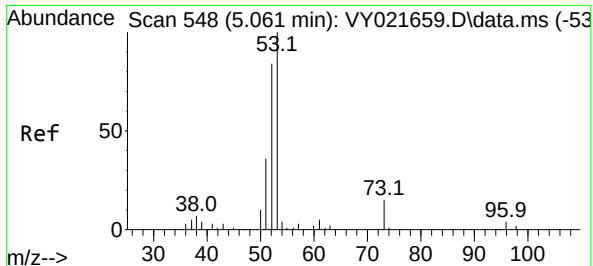
Ion Ratio Lower Upper

41 100

39 73.1 58.6 88.0

76 38.4 30.3 45.5





#15

Acrylonitrile

Concen: 89.186 ug/l

RT: 5.055 min Scan# 548

Delta R.T. -0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

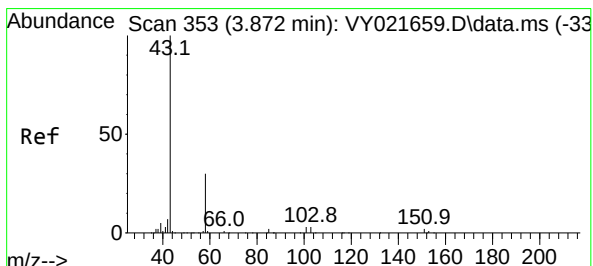
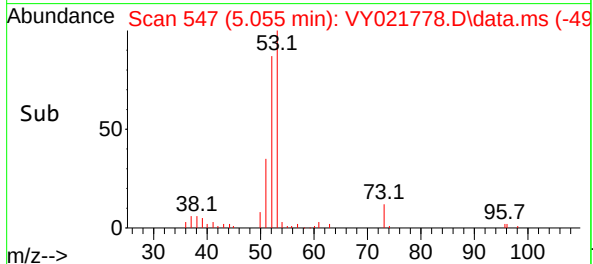
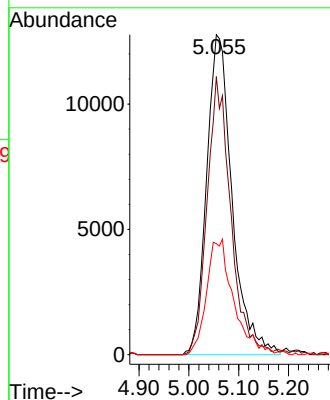
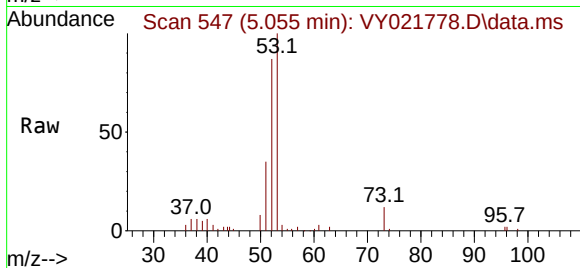
ClientSampleId :

VY0404SBS01

Tgt Ion:	53	Resp:	45360
Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.9	97.3
51	38.2	30.2	45.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#16

Acetone

Concen: 85.648 ug/l

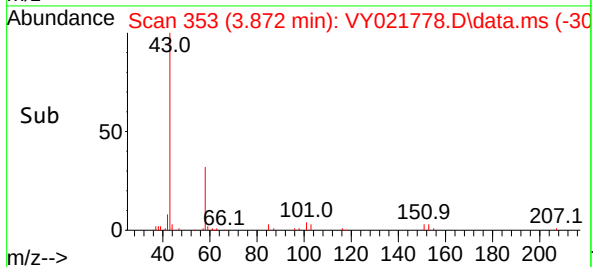
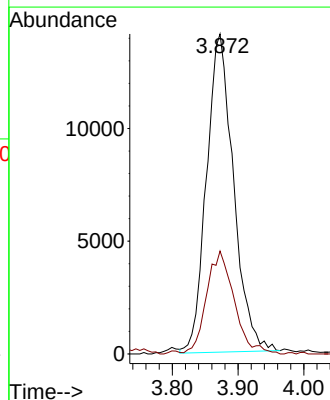
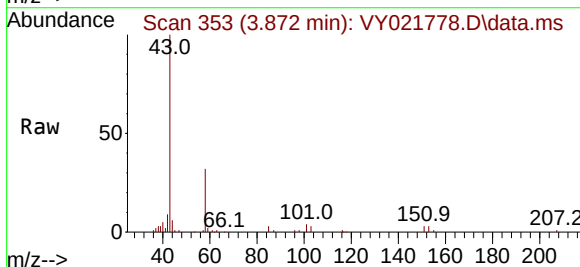
RT: 3.872 min Scan# 353

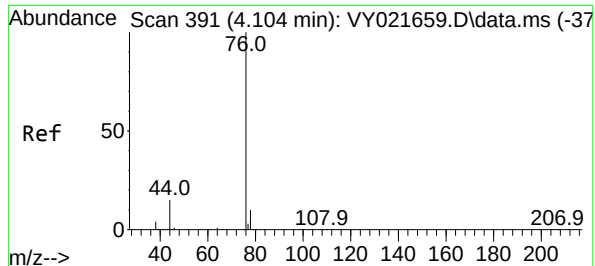
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

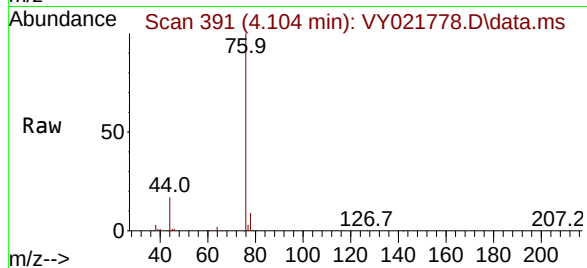
Tgt Ion:	43	Resp:	40290
Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.2	36.4





#17
Carbon Disulfide
Concen: 18.693 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

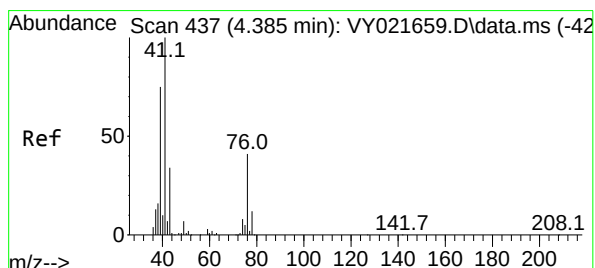
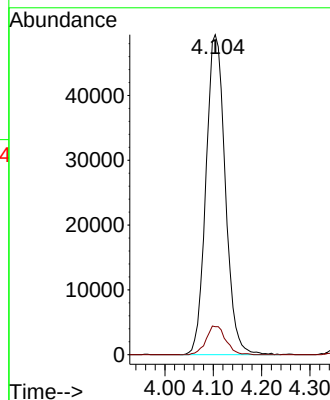
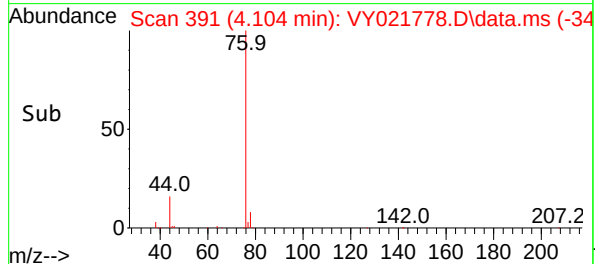
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



Tgt Ion: 76 Resp: 137000
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

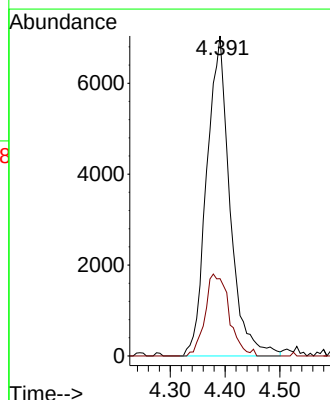
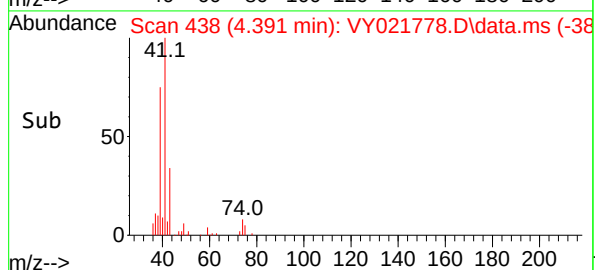
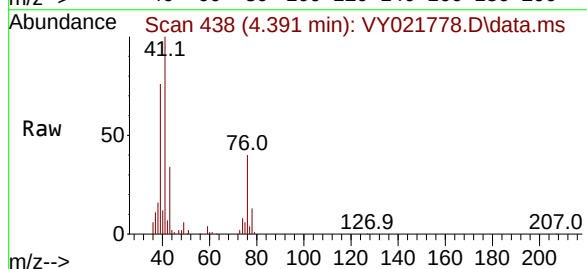
Manual Integrations
APPROVED

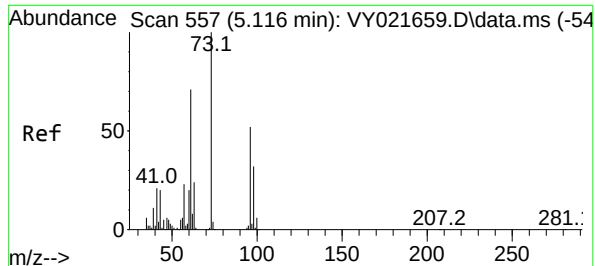
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#18
Methyl Acetate
Concen: 17.734 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 20676
Ion Ratio Lower Upper
43 100
74 26.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.182 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 73 Resp: 10072

Ion Ratio Lower Upper

73 100

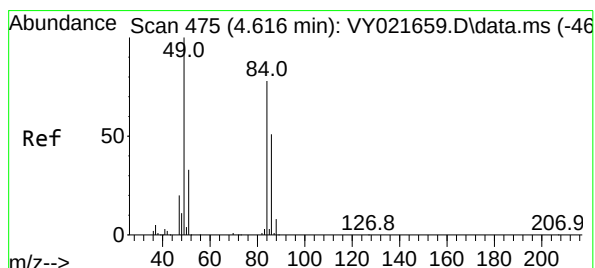
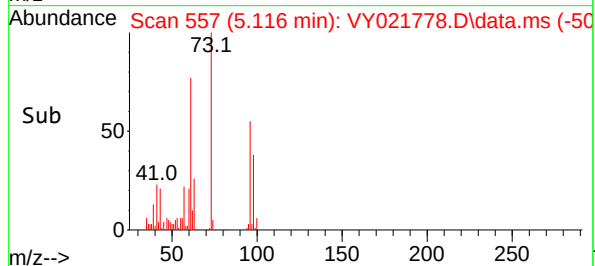
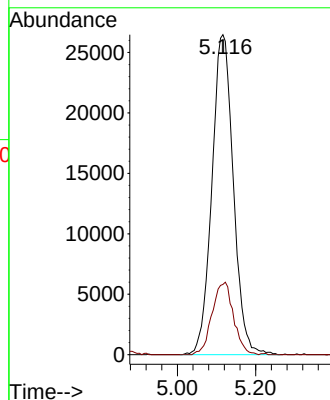
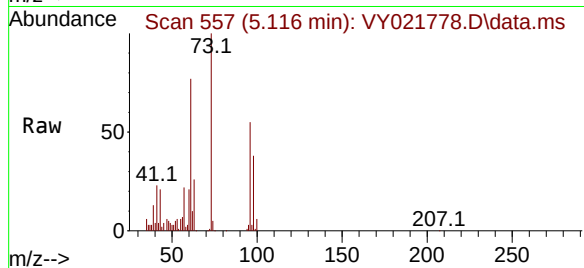
57 21.9 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#20

Methylene Chloride

Concen: 19.022 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion: 84 Resp: 49303

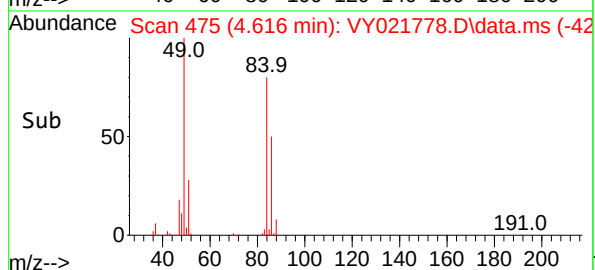
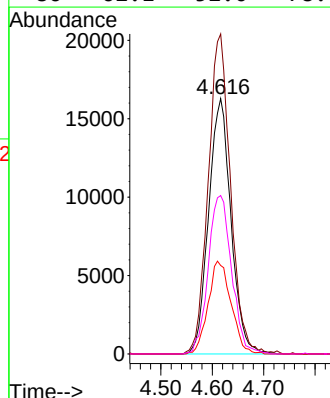
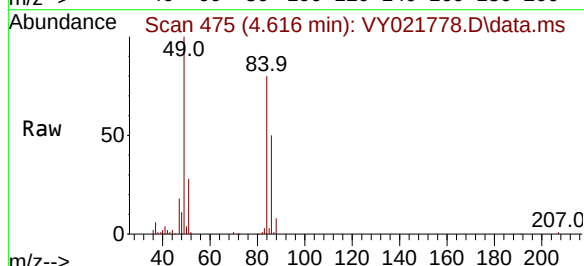
Ion Ratio Lower Upper

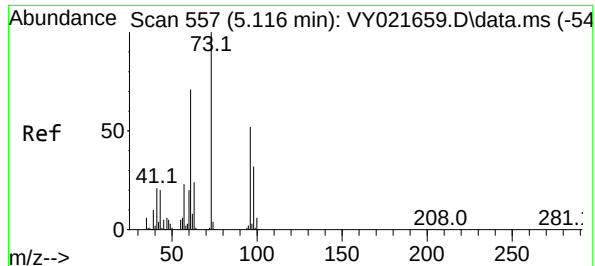
84 100

49 125.3 102.8 154.2

51 34.7 33.5 50.3

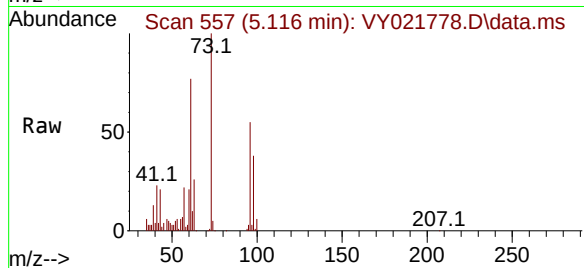
86 62.1 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 18.963 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

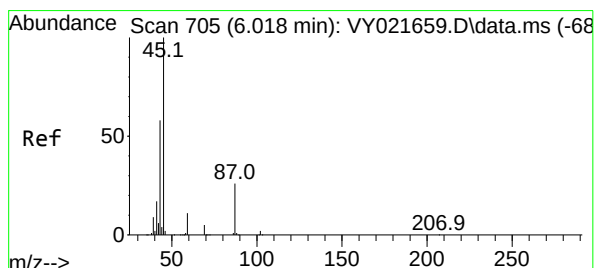
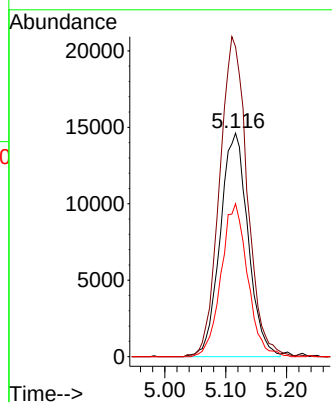
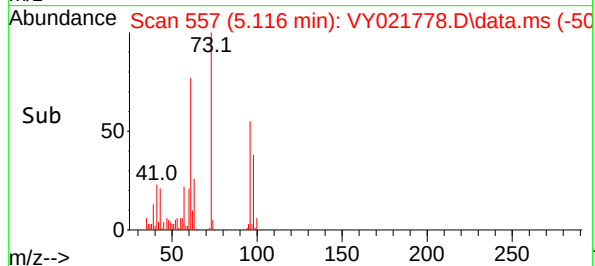
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



Tgt Ion: 96 Resp: 46460
Ion Ratio Lower Upper
96 100
61 138.6 109.4 164.0
98 68.4 50.2 75.2

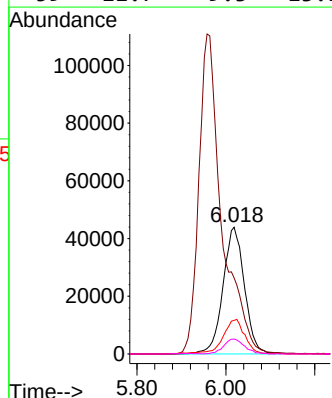
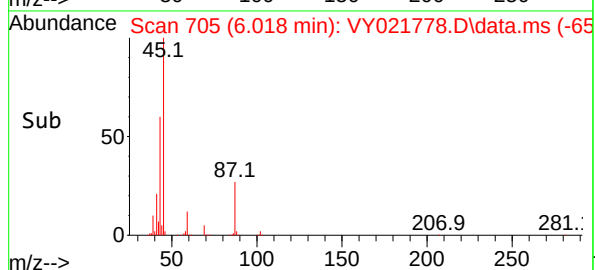
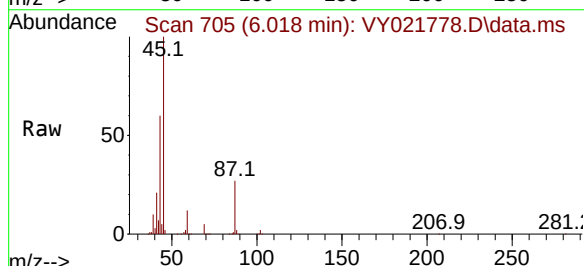
Manual Integrations
APPROVED

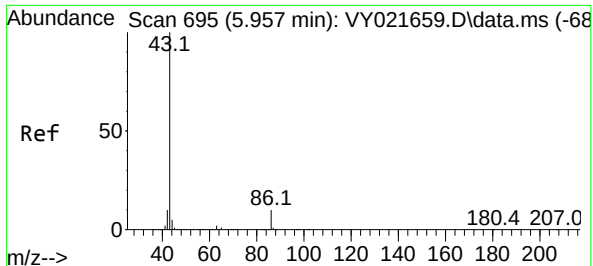
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#22
Diisopropyl ether
Concen: 19.724 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 45 Resp: 146797
Ion Ratio Lower Upper
45 100
43 59.3 46.6 69.8
87 26.3 20.7 31.1
59 11.7 9.3 13.9





#23

Vinyl Acetate

Concen: 91.434 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 43 Resp: 398090

Ion Ratio Lower Upper

43

100

86

10.4

8.2

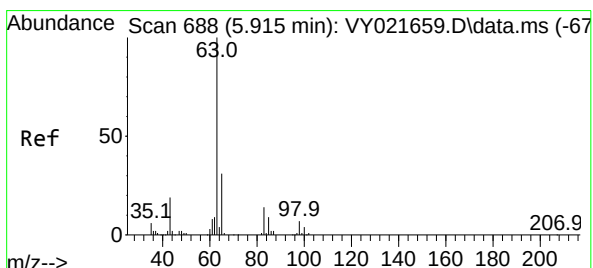
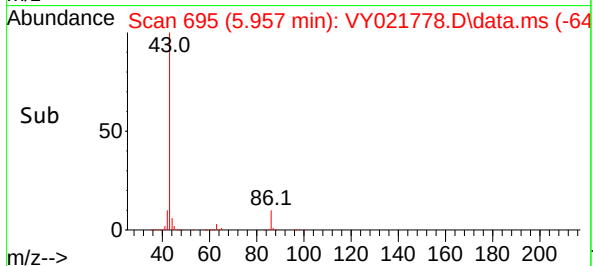
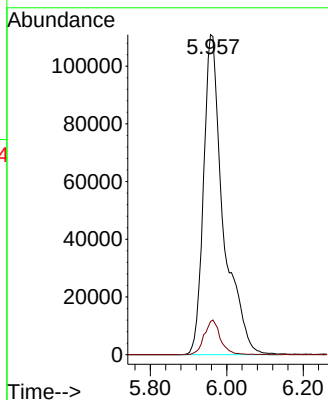
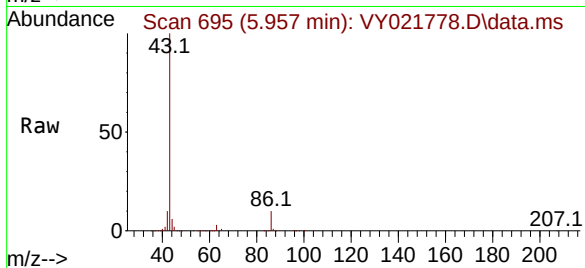
12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#24

1,1-Dichloroethane

Concen: 19.810 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 88158

Ion Ratio Lower Upper

63

100

98

6.4

3.5

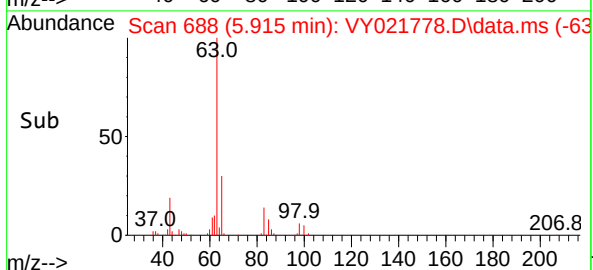
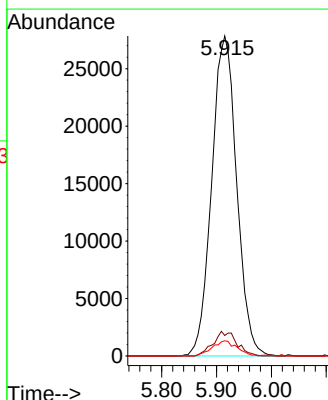
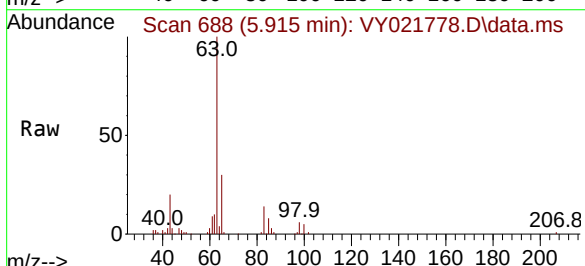
10.5

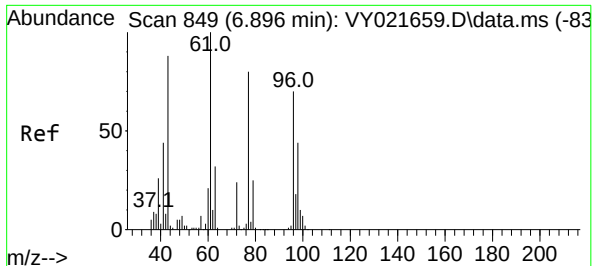
100

4.7

2.2

6.6





#25

2-Butanone

Concen: 86.838 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 43 Resp: 58340

Ion Ratio Lower Upper

43 100

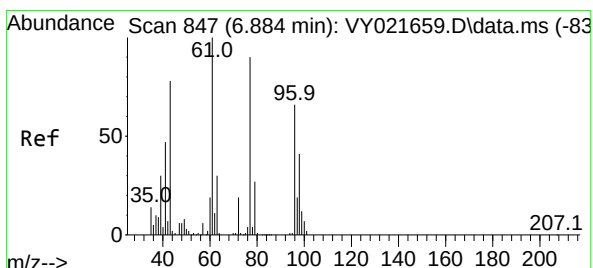
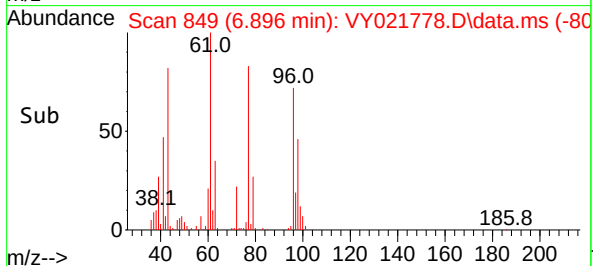
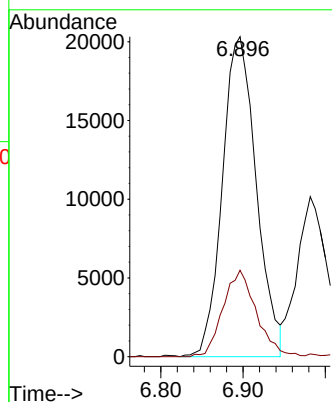
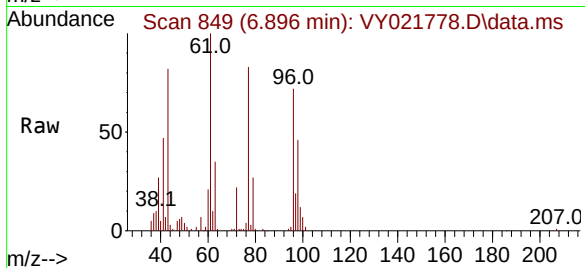
72 27.0 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#26

2,2-Dichloropropane

Concen: 20.027 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021778.D

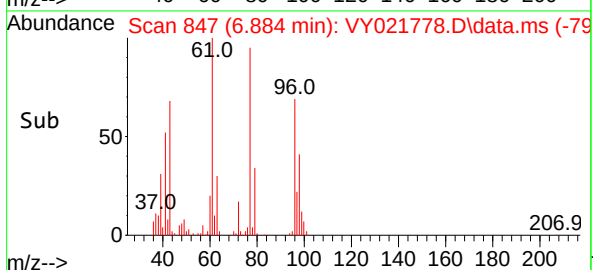
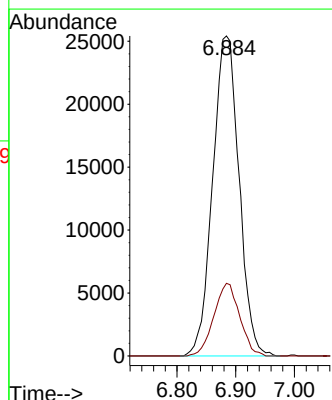
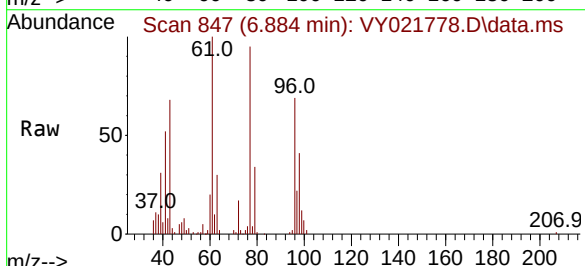
Acq: 04 Apr 2025 10:26

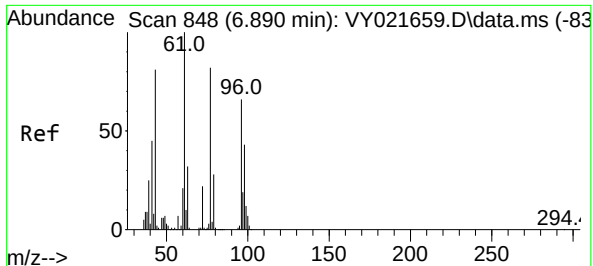
Tgt Ion: 77 Resp: 79277

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.543 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

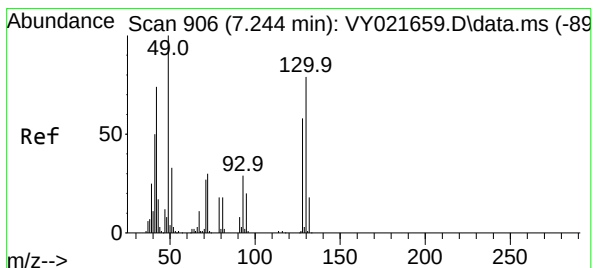
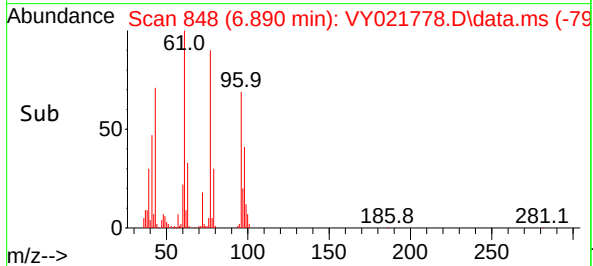
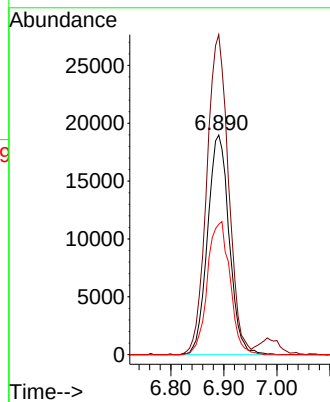
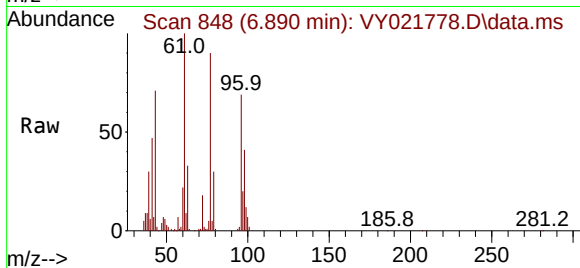
VY0404SBS01

Tgt Ion:	96	Resp:	5384
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	296.4
98	63.1	0.0	128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#28

Bromochloromethane

Concen: 19.673 ug/l

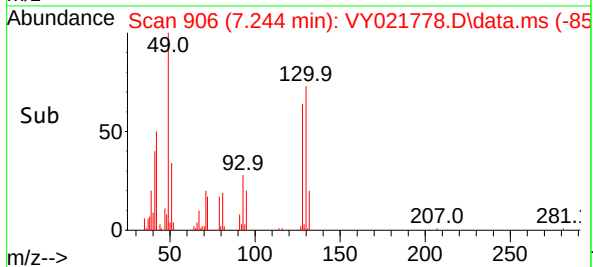
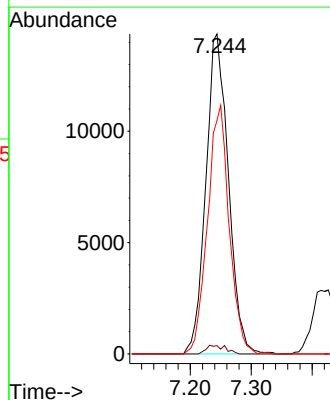
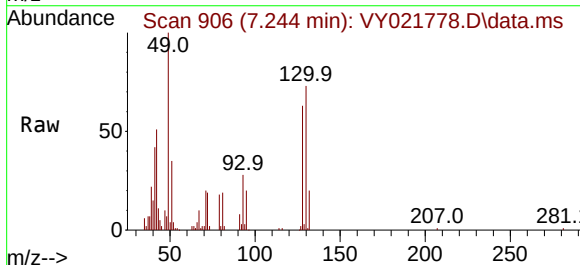
RT: 7.244 min Scan# 906

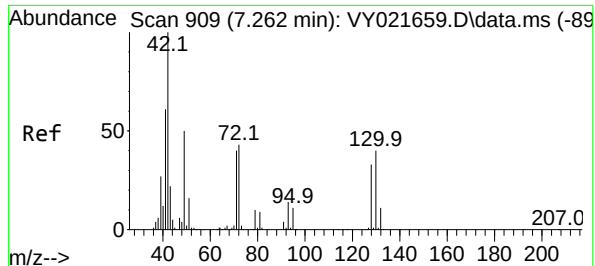
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	49	Resp:	36923
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	74.5	60.1	90.1





#29

Tetrahydrofuran

Concen: 86.232 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

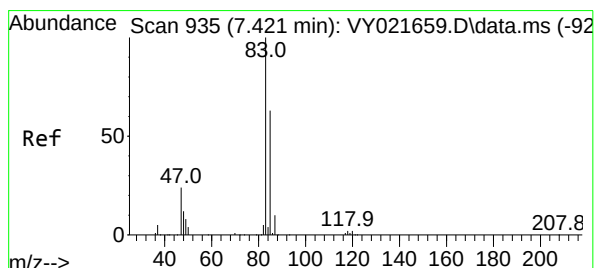
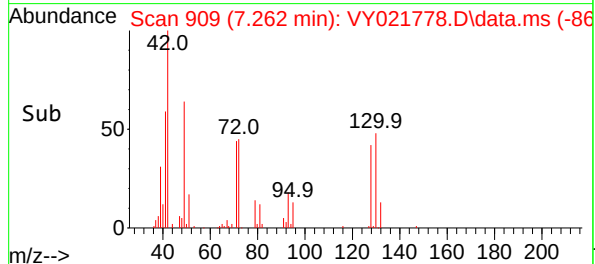
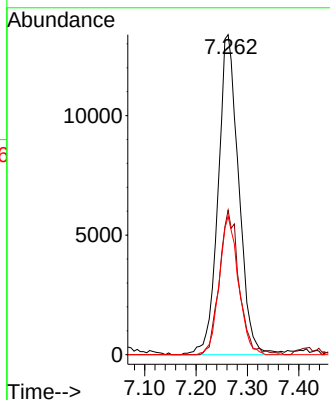
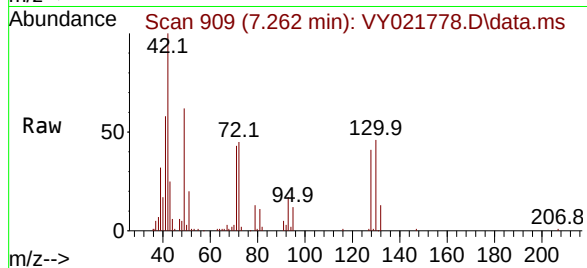
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	42	Resp:	37289
Ion Ratio	Lower	Upper	
42	100		
72	42.9	34.6	52.0
71	40.2	32.5	48.7

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#30

Chloroform

Concen: 19.742 ug/l

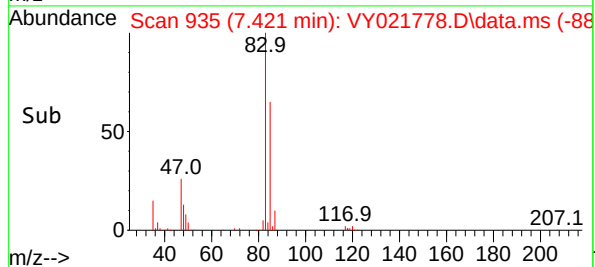
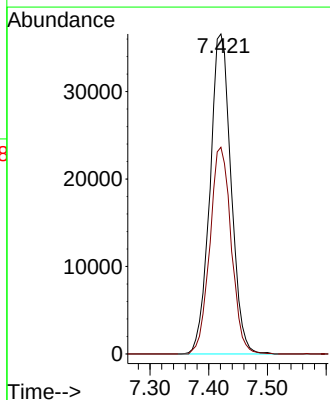
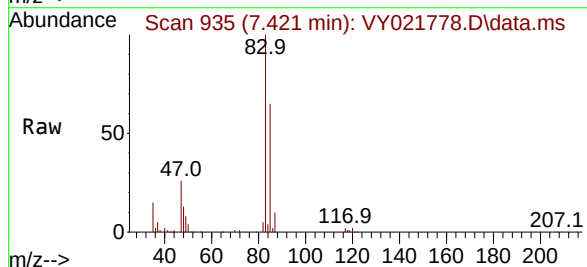
RT: 7.421 min Scan# 935

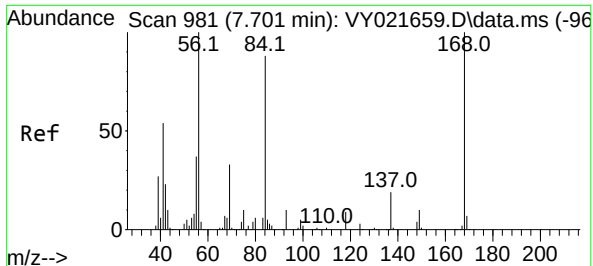
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	83	Resp:	91381
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 19.648 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 56 Resp: 79700

Ion Ratio Lower Upper

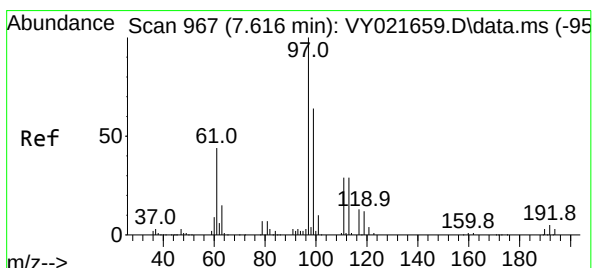
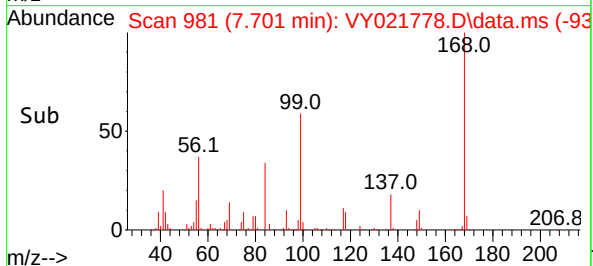
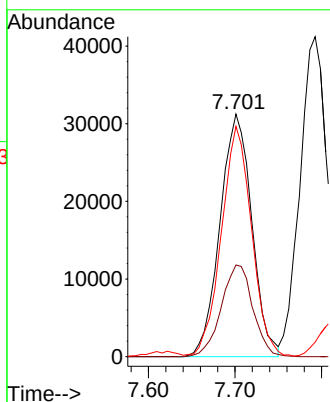
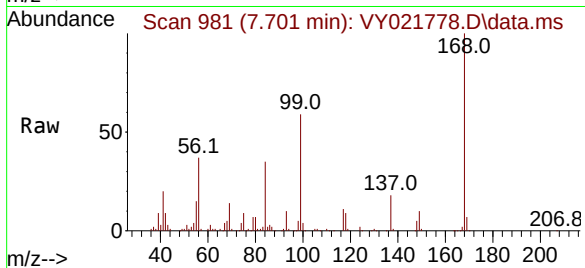
56 100

69 37.8 26.6 40.0

84 93.6 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#32

1,1,1-Trichloroethane

Concen: 19.763 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

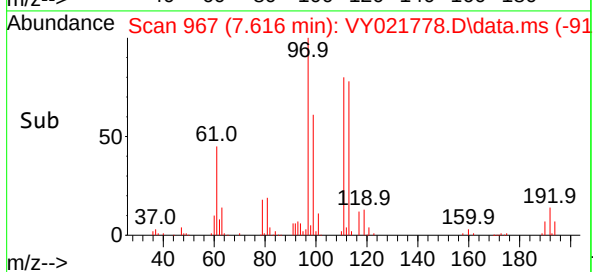
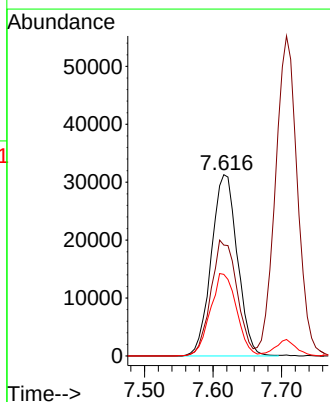
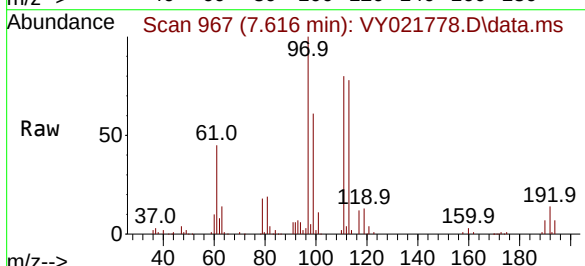
Tgt Ion: 97 Resp: 82677

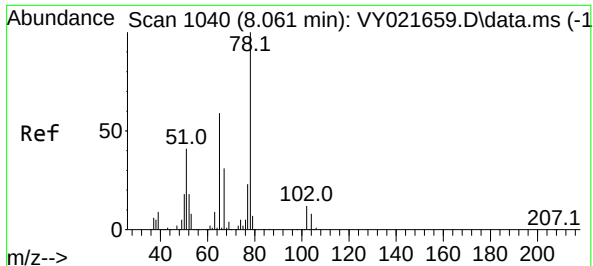
Ion Ratio Lower Upper

97 100

99 63.7 50.7 76.1

61 45.6 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 52.418 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 65 Resp: 12048

Ion Ratio Lower Upper

65 100

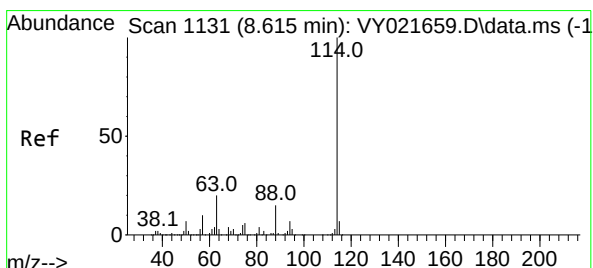
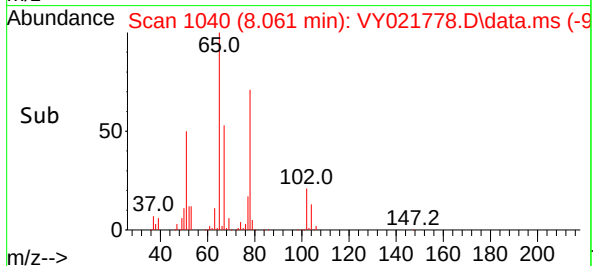
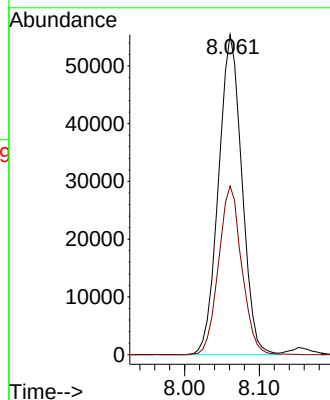
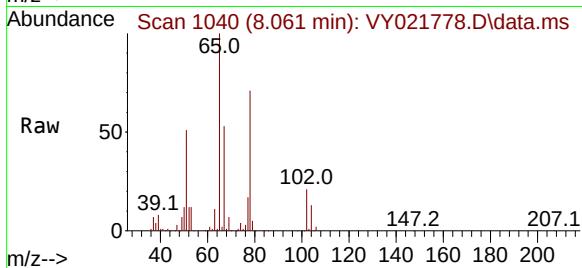
67 52.2 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

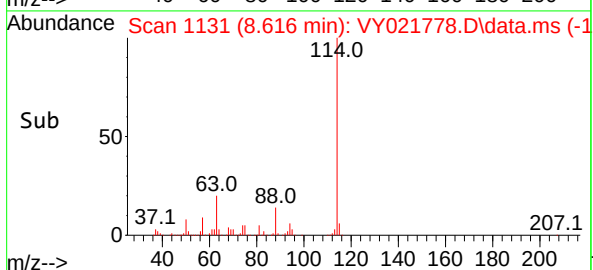
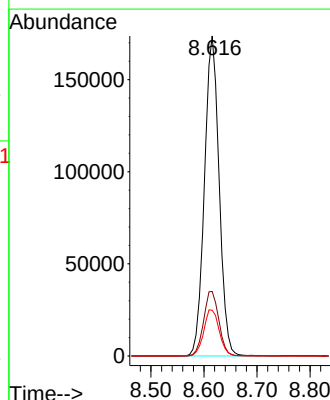
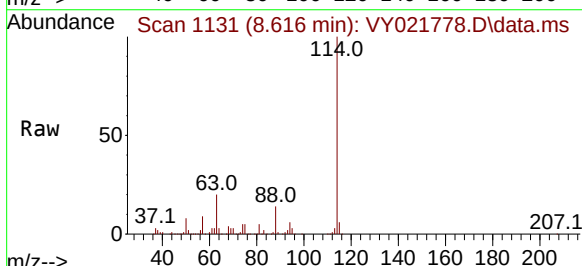
Tgt Ion:114 Resp: 333501

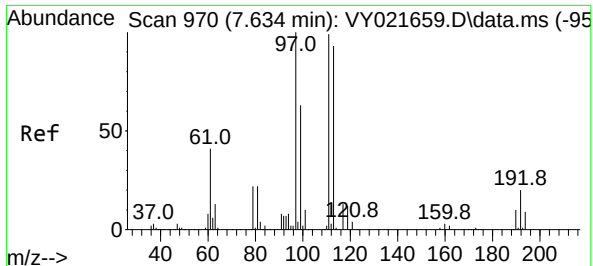
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 14.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.318 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

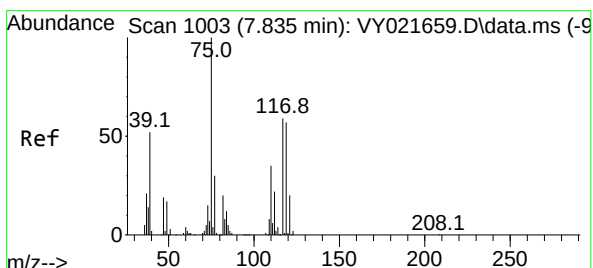
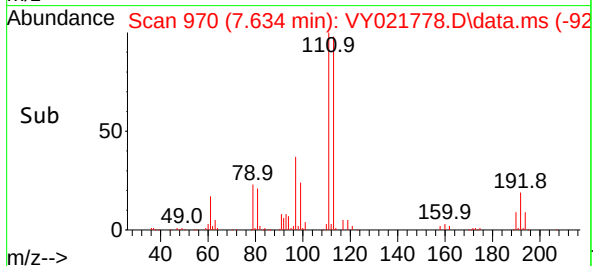
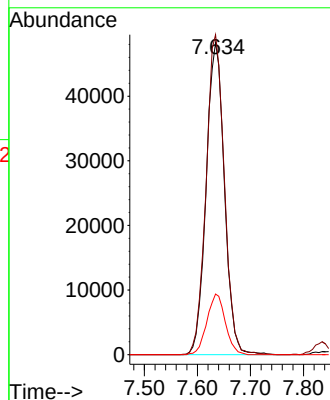
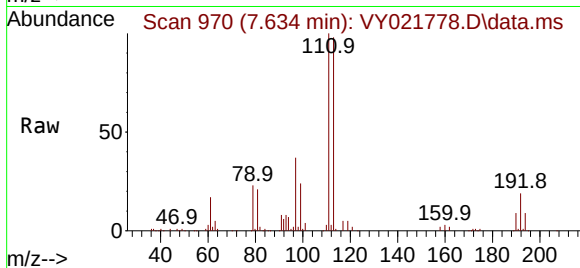
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	113	Resp:	11534
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.6	123.8
192	19.6	16.2	24.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#36

1,1-Dichloropropene

Concen: 20.193 ug/l

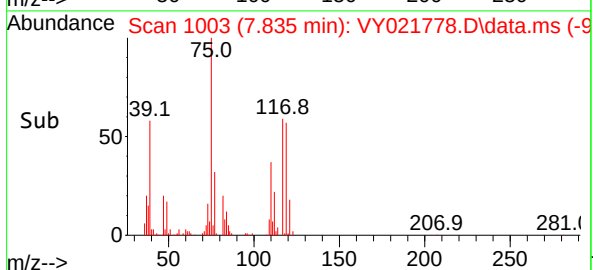
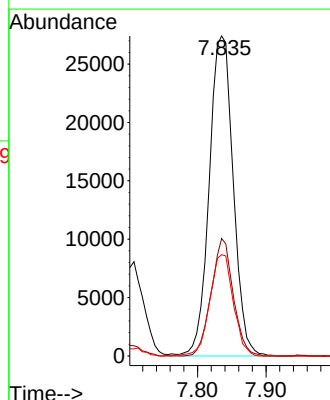
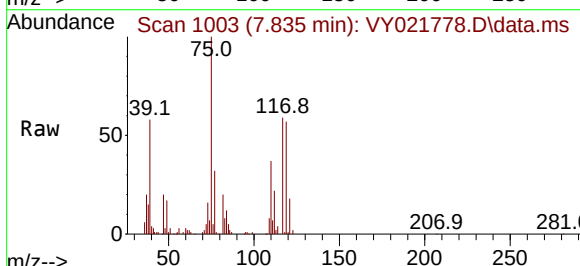
RT: 7.835 min Scan# 1003

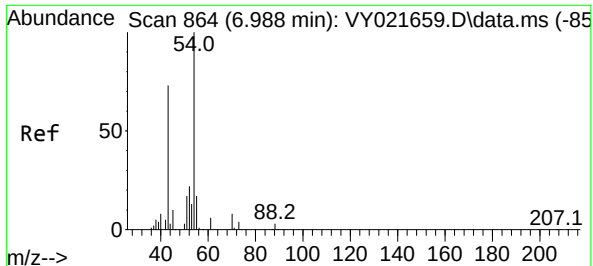
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	75	Resp:	66538
Ion Ratio	Lower	Upper	
75	100		
110	33.7	17.0	50.9
77	31.1	24.8	37.2





#37

Ethyl Acetate

Concen: 17.489 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

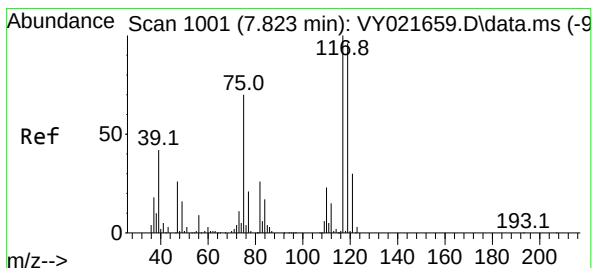
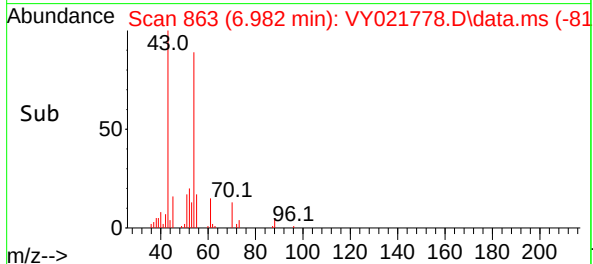
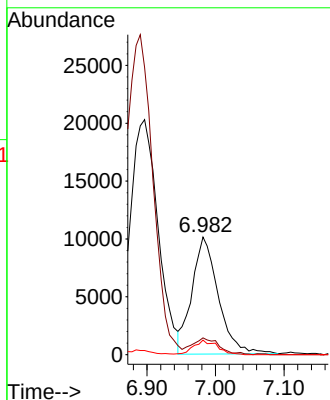
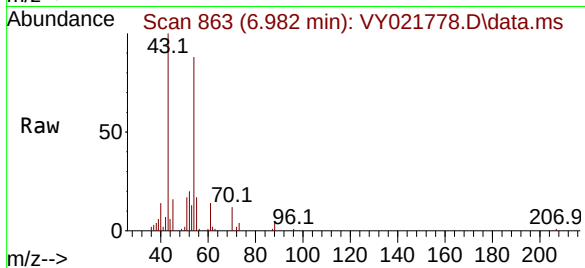
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	43	Resp:	27198
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.0	16.6
70	11.0	8.1	12.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#38

Carbon Tetrachloride

Concen: 20.272 ug/l

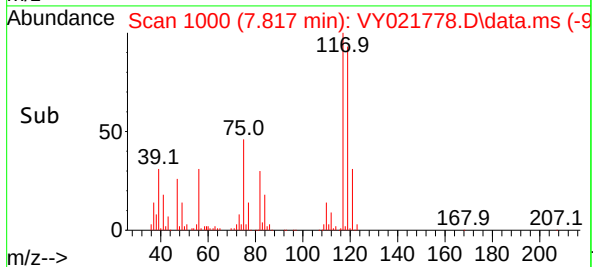
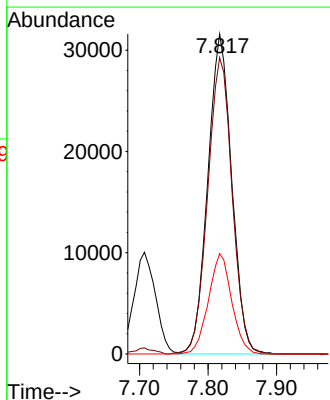
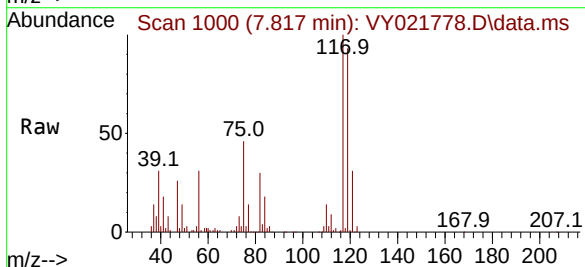
RT: 7.817 min Scan# 1000

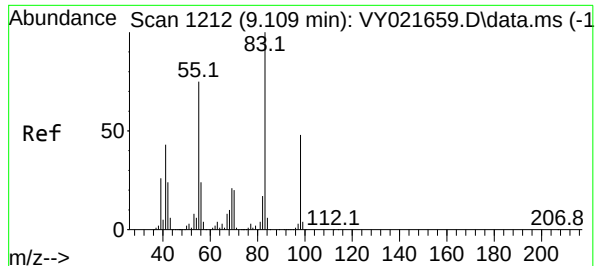
Delta R.T. -0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	117	Resp:	76509
Ion Ratio	Lower	Upper	
117	100		
119	92.6	76.2	114.4
121	31.4	24.2	36.4





#39

Methylcyclohexane

Concen: 19.412 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

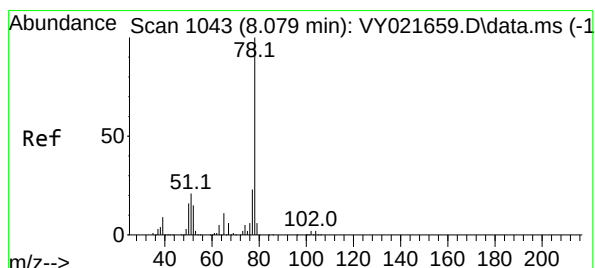
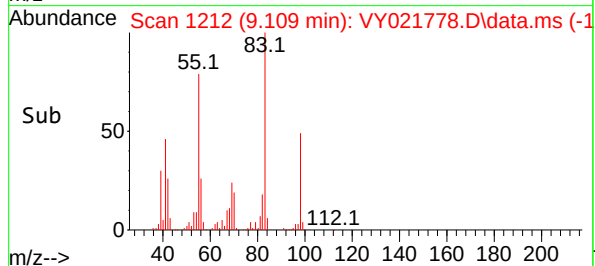
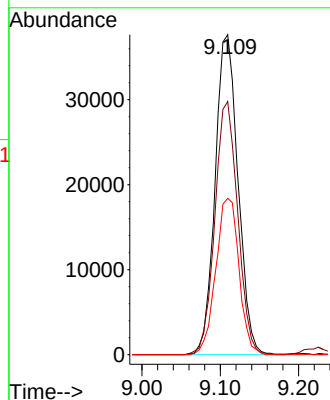
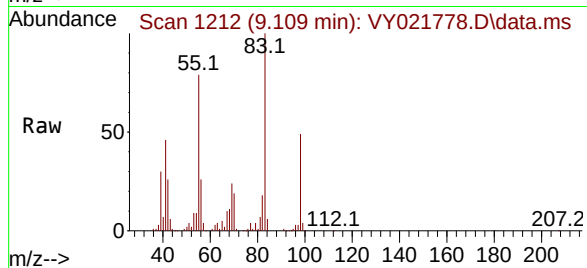
ClientSampleId :

VY0404SBS01

Tgt Ion:	83	Resp:	7641
Ion	Ratio	Lower	Upper
83	100		
55	79.1	59.7	89.5
98	48.9	38.3	57.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#40

Benzene

Concen: 19.772 ug/l

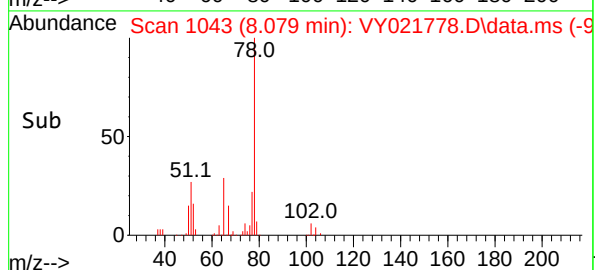
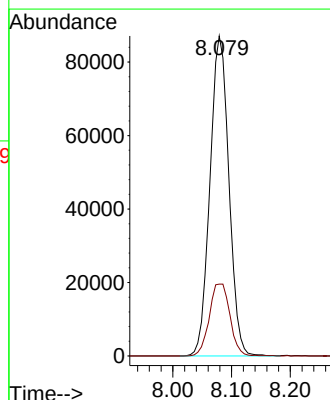
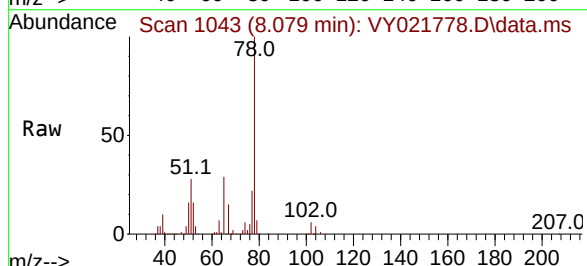
RT: 8.079 min Scan# 1043

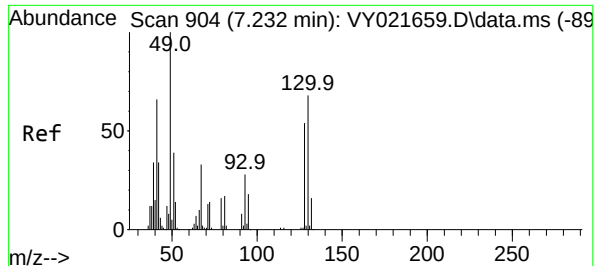
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	78	Resp:	195115
Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2





#41

Methacrylonitrile

Concen: 21.473 ug/l m

RT: 7.244 min Scan# 904

Delta R.T. 0.012 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 41 Resp: 17734

Ion Ratio Lower Upper

41 100

39 41.7 0.0 0.0

67 59.4 0.0 0.0

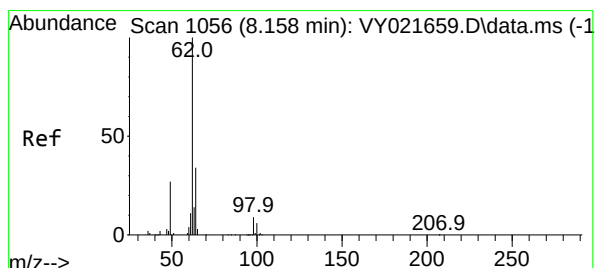
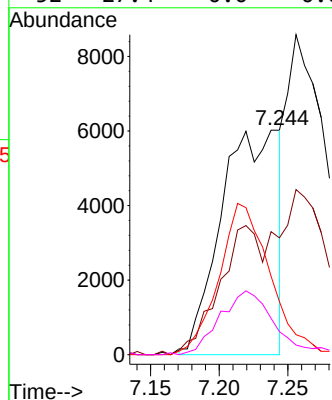
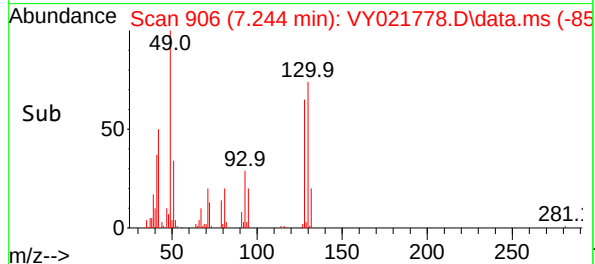
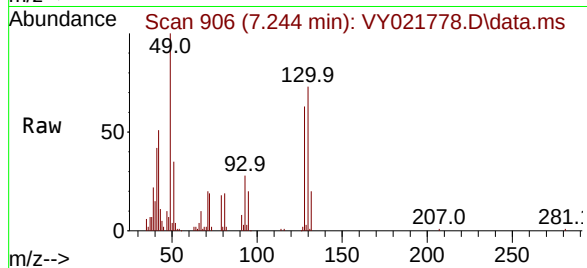
52 27.4 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#42

1,2-Dichloroethane

Concen: 19.524 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021778.D

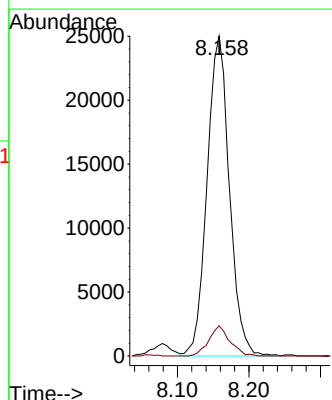
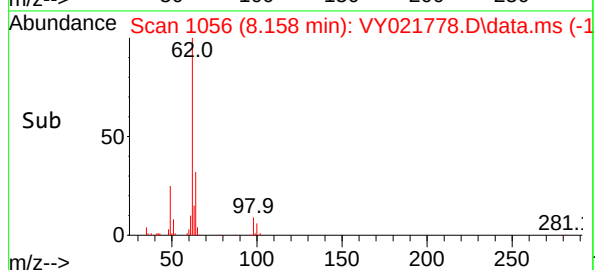
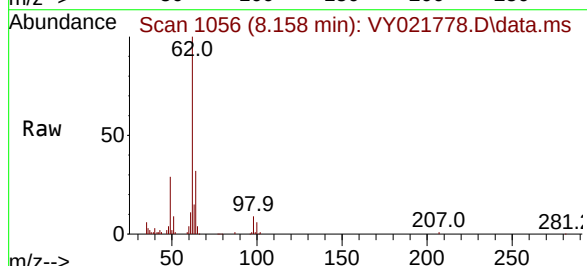
Acq: 04 Apr 2025 10:26

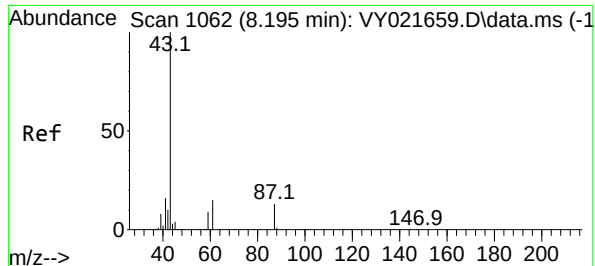
Tgt Ion: 62 Resp: 54315

Ion Ratio Lower Upper

62 100

98 8.8 0.0 18.4





#43

Isopropyl Acetate

Concen: 17.697 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

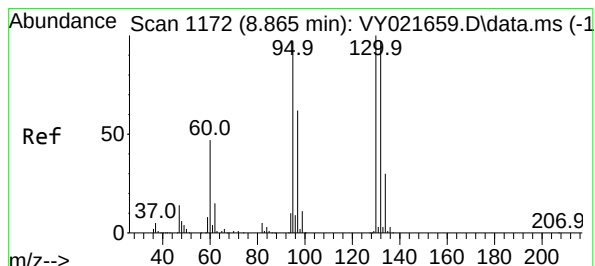
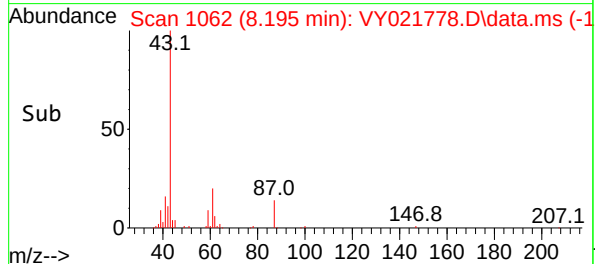
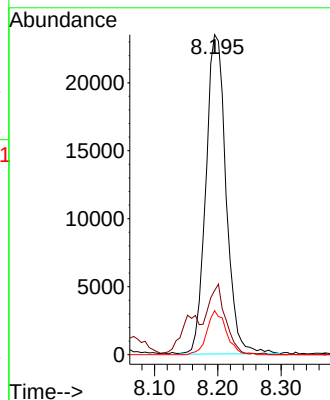
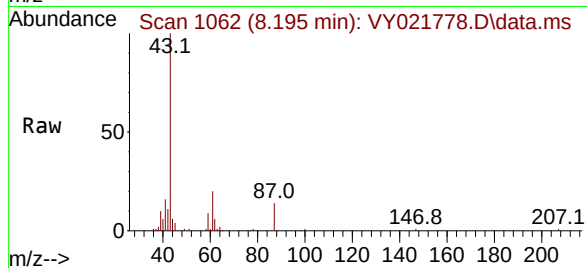
ClientSampleId :

VY0404SBS01

Tgt Ion:	43	Resp:	52154
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.9	23.9
87	13.2	10.4	15.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#44

Trichloroethene

Concen: 20.398 ug/l

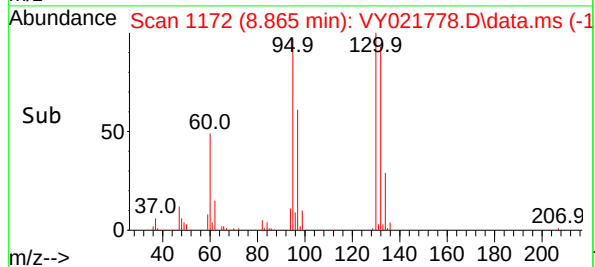
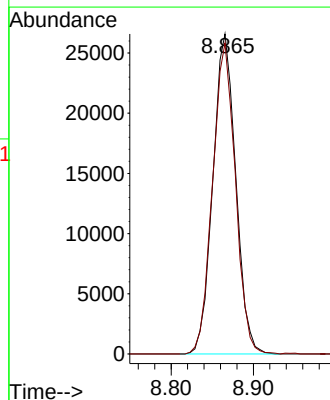
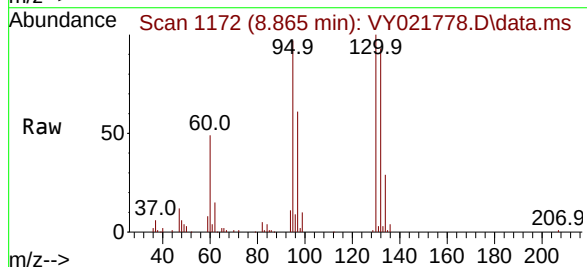
RT: 8.865 min Scan# 1172

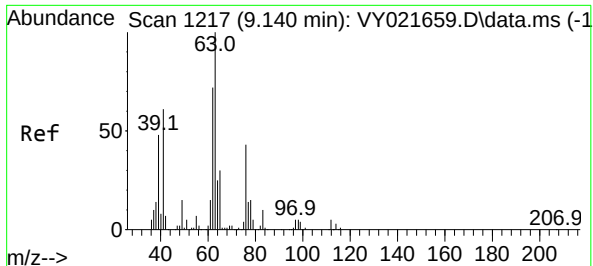
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	130	Resp:	51288
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.8





#45

1,2-Dichloropropane

Concen: 19.929 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 63 Resp: 4655

Ion Ratio Lower Upper

63 100

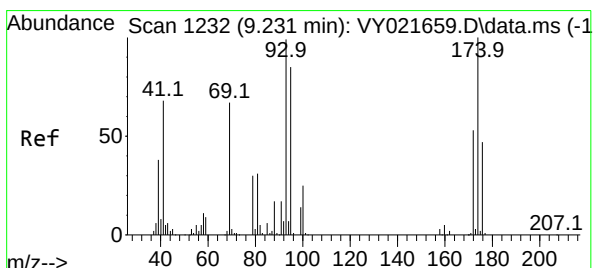
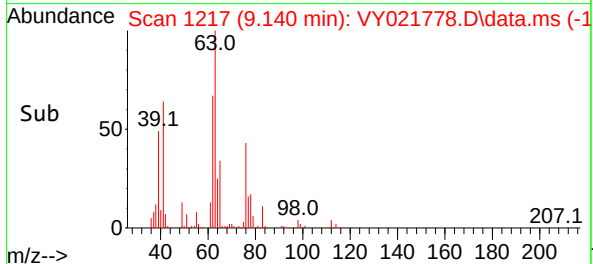
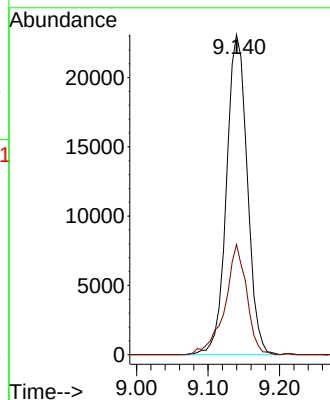
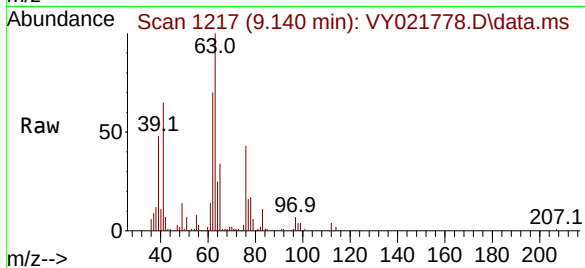
65 34.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#46

Dibromomethane

Concen: 18.755 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

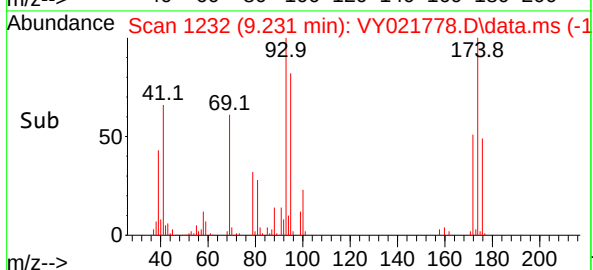
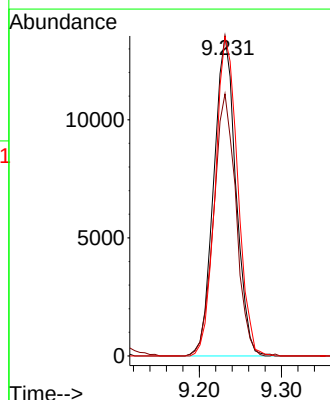
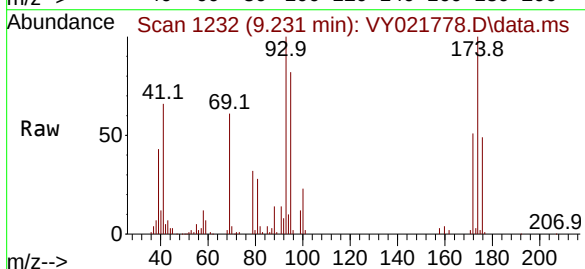
Tgt Ion: 93 Resp: 25248

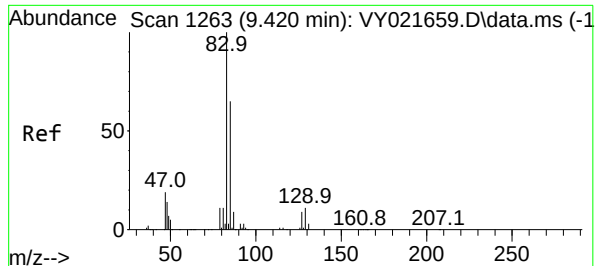
Ion Ratio Lower Upper

93 100

95 82.9 68.1 102.1

174 101.4 80.9 121.3





#47

Bromodichloromethane

Concen: 19.726 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

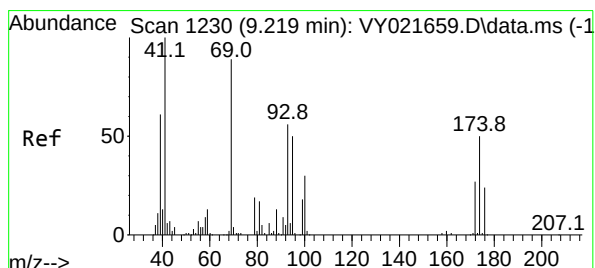
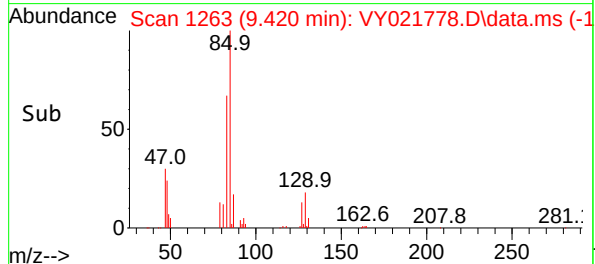
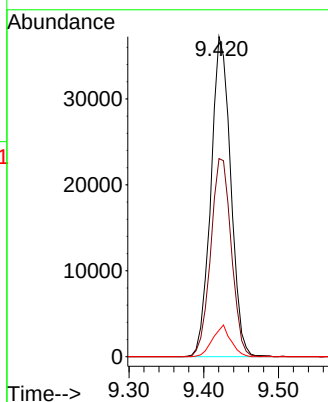
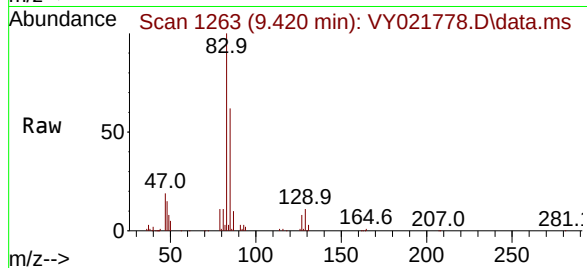
ClientSampleId :

VY0404SBS01

Tgt Ion:	83	Resp:	6880
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.3	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#48

Methyl methacrylate

Concen: 17.089 ug/l

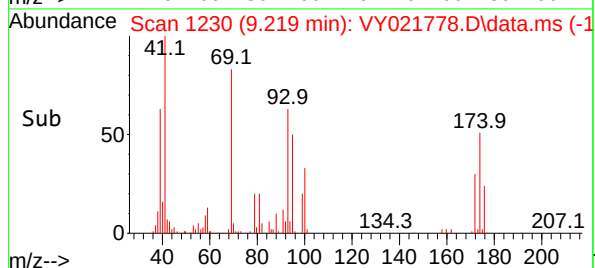
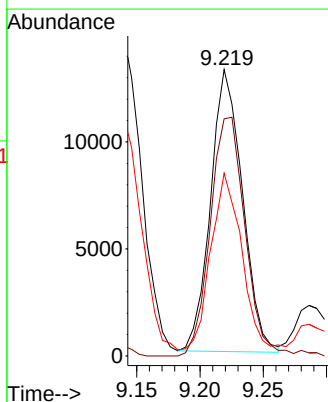
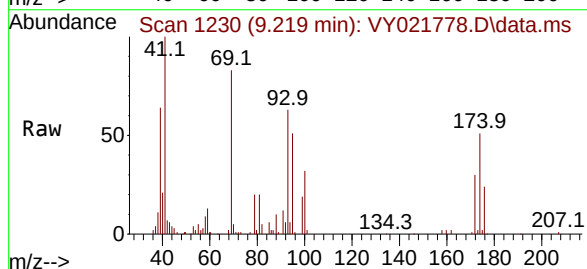
RT: 9.219 min Scan# 1230

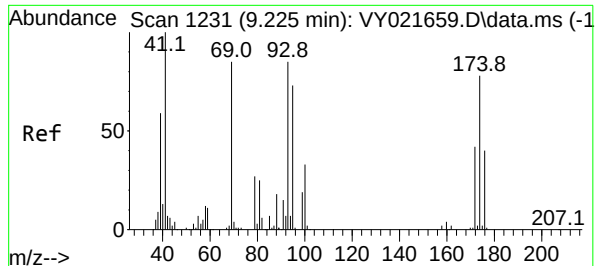
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	41	Resp:	23114
Ion	Ratio	Lower	Upper
41	100		
69	91.9	69.8	104.8
39	61.7	47.2	70.8





#49

1,4-Dioxane

Concen: 336.031 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 88 Resp: 484

Ion Ratio Lower Upper

88 100

43 37.8 28.8 43.2

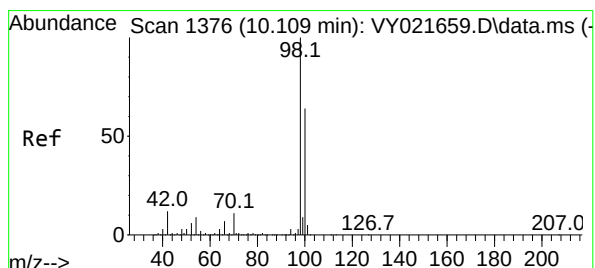
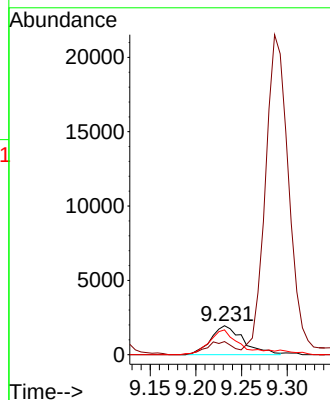
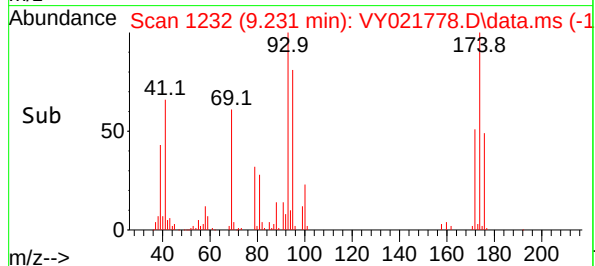
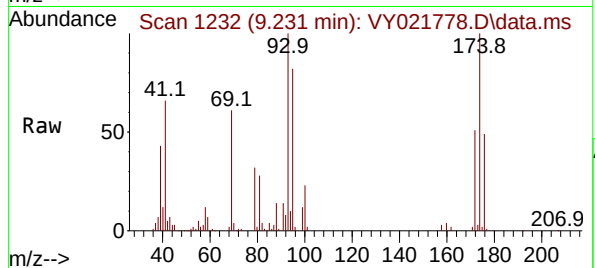
58 88.6 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#50

Toluene-d8

Concen: 53.826 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021778.D

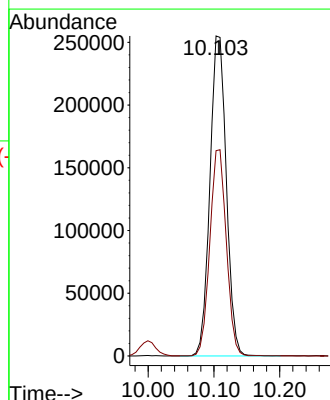
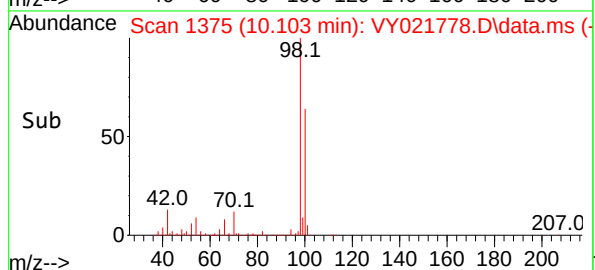
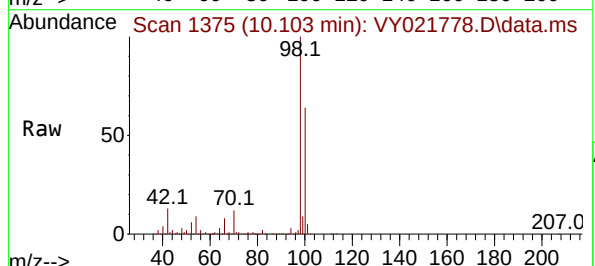
Acq: 04 Apr 2025 10:26

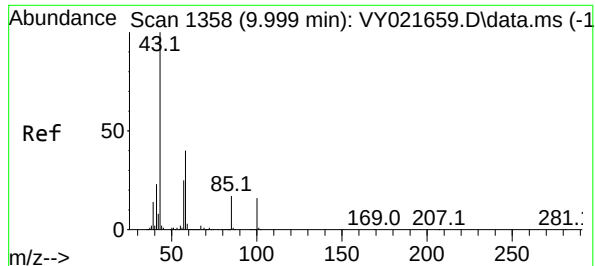
Tgt Ion: 98 Resp: 442990

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1





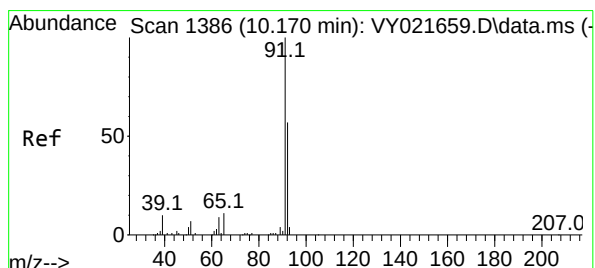
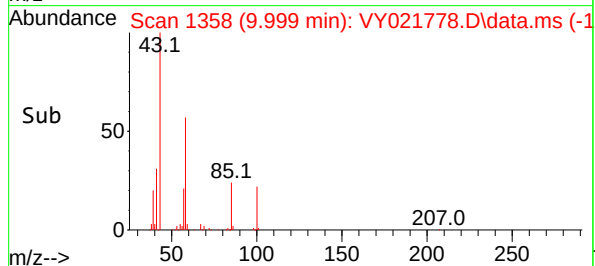
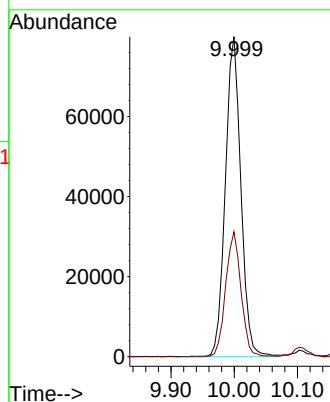
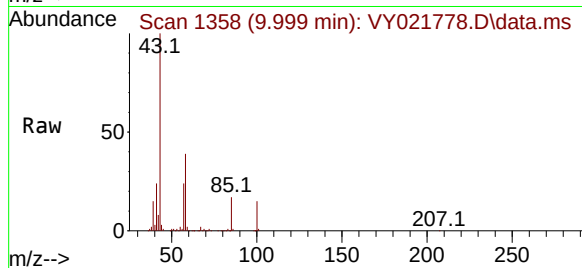
#51
4-Methyl-2-Pentanone
Concen: 88.669 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 13598
Ion Ratio Lower Upper
43 100
58 38.6 31.5 47.3

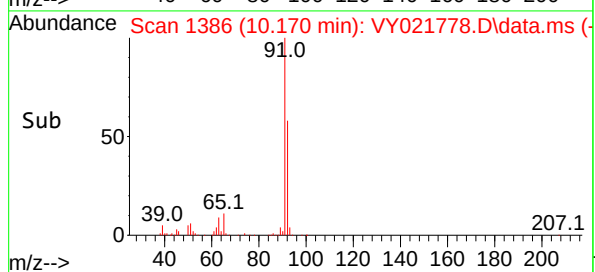
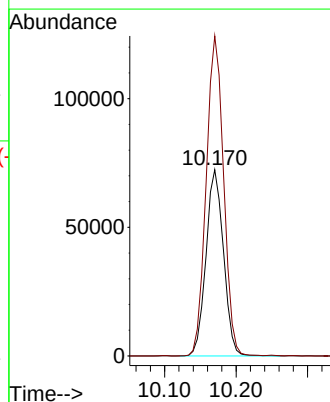
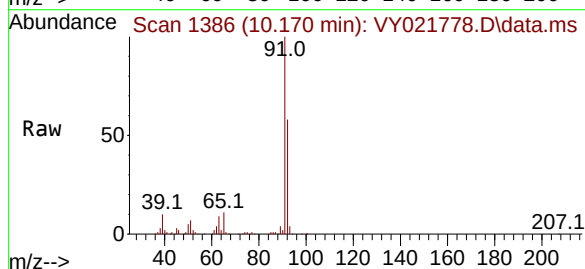
Manual Integrations
APPROVED

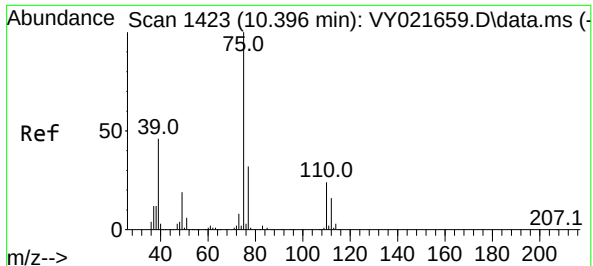
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#52
Toluene
Concen: 19.987 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 92 Resp: 123058
Ion Ratio Lower Upper
92 100
91 171.0 138.6 207.8





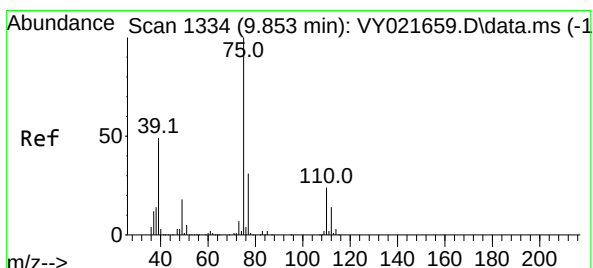
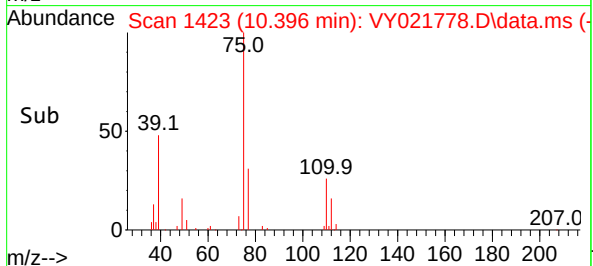
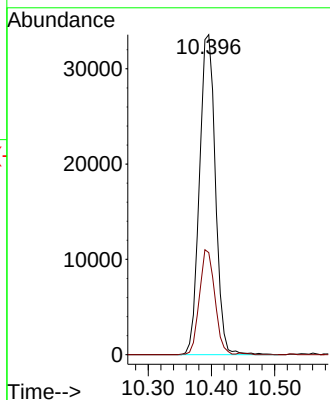
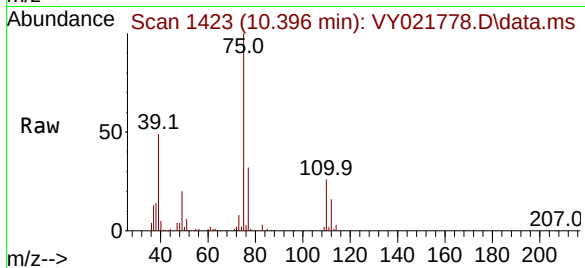
#53
t-1,3-Dichloropropene
Concen: 19.048 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 75 Resp: 59010
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9

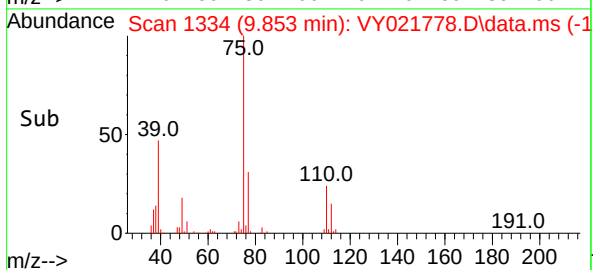
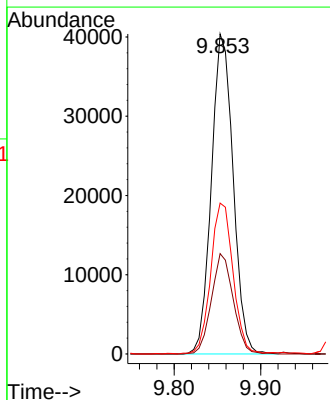
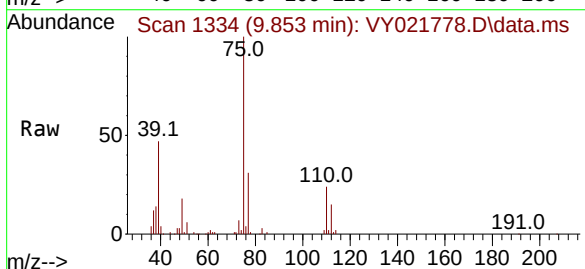
Manual Integrations
APPROVED

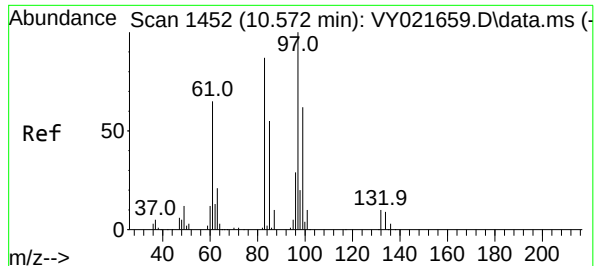
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#54
cis-1,3-Dichloropropene
Concen: 19.257 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 70388
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 47.2 39.2 58.8





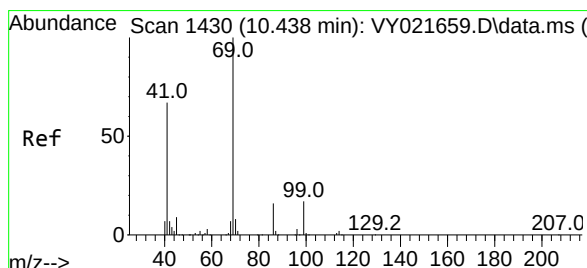
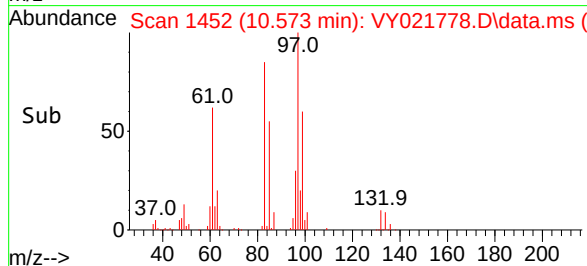
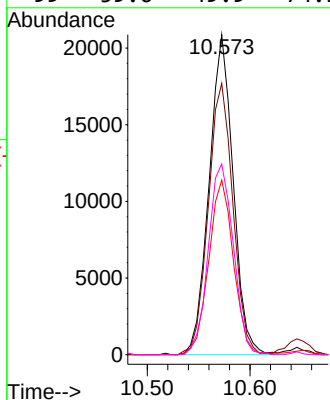
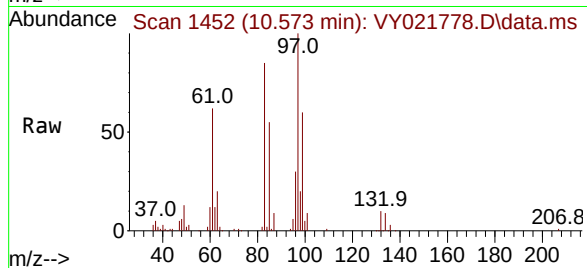
#55
1,1,2-Trichloroethane
Concen: 19.599 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.5	104.3
85	54.6	43.9	65.9
99	59.6	49.9	74.9

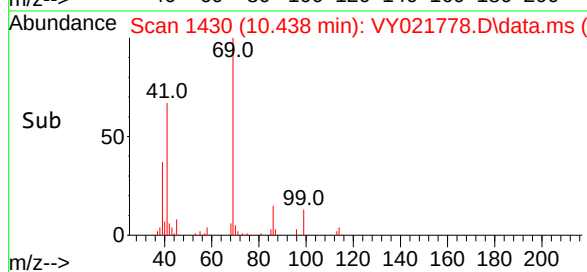
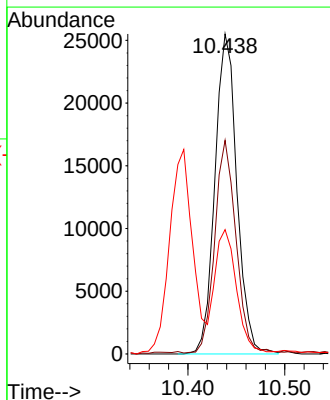
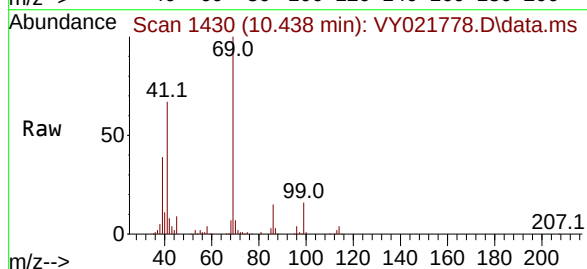
Manual Integrations
APPROVED

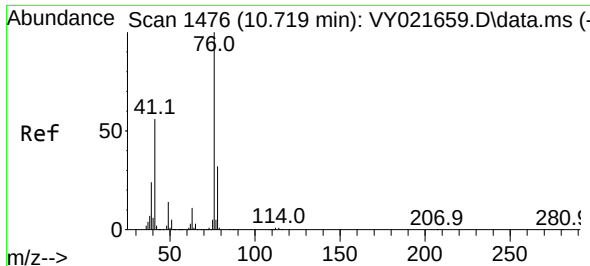
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#56
Ethyl methacrylate
Concen: 18.189 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.8	80.6
39	36.8	29.6	44.4





#57

1,3-Dichloropropane

Concen: 18.940 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 76 Resp: 5666

Ion Ratio Lower Upper

76 100

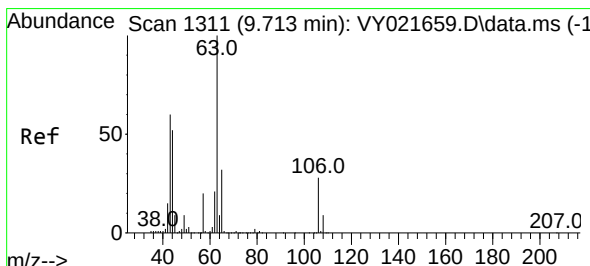
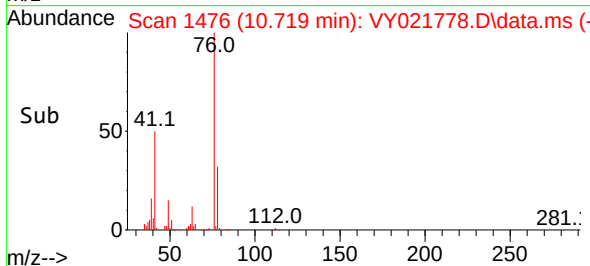
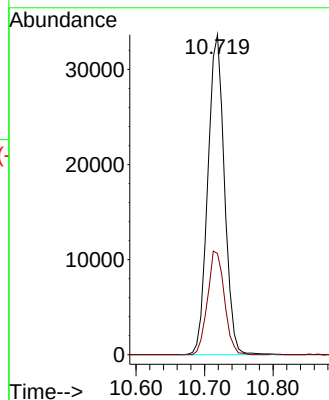
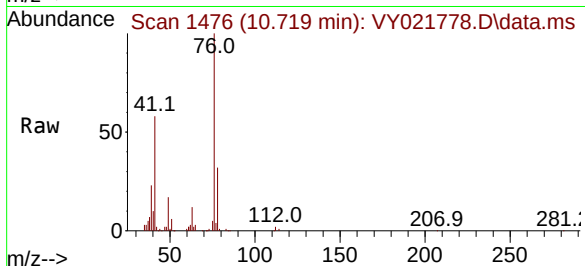
78 32.9 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#58

2-Chloroethyl Vinyl ether

Concen: 94.929 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021778.D

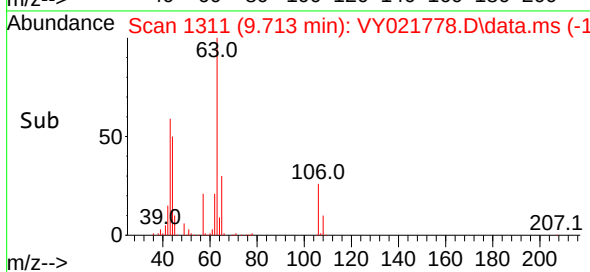
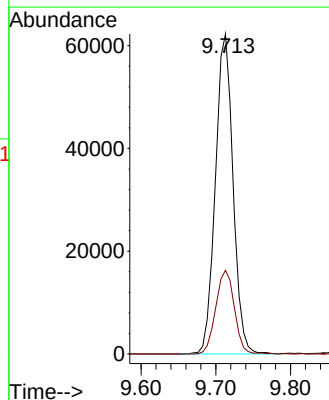
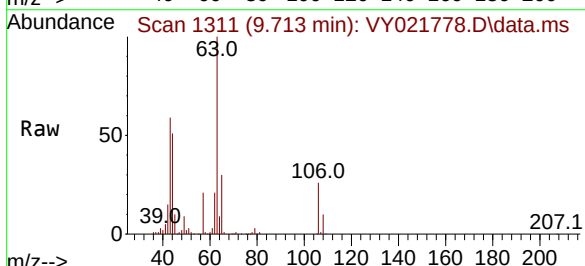
Acq: 04 Apr 2025 10:26

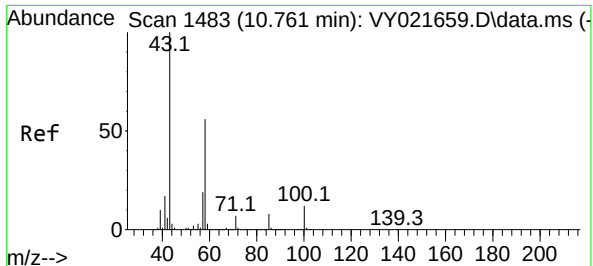
Tgt Ion: 63 Resp: 102441

Ion Ratio Lower Upper

63 100

106 27.5 22.4 33.6





#59

2-Hexanone

Concen: 86.157 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 43 Resp: 87999

Ion Ratio Lower Upper

43 100

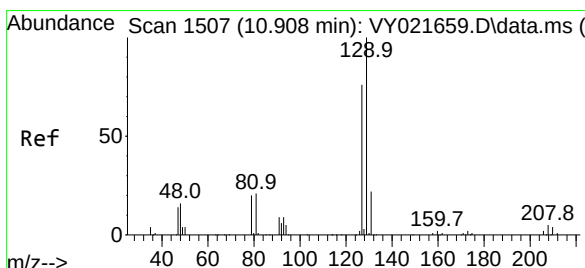
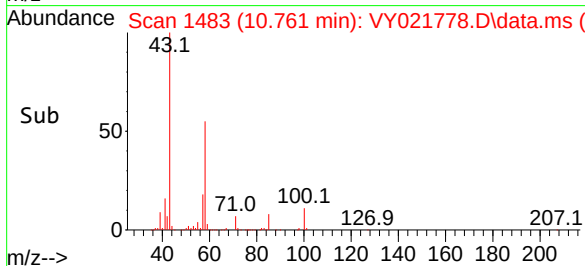
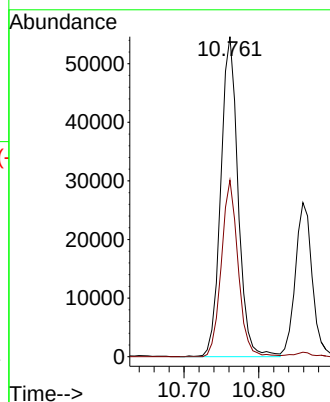
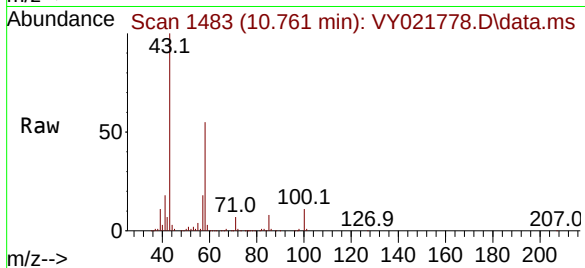
58 53.4 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#60

Dibromochloromethane

Concen: 19.348 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021778.D

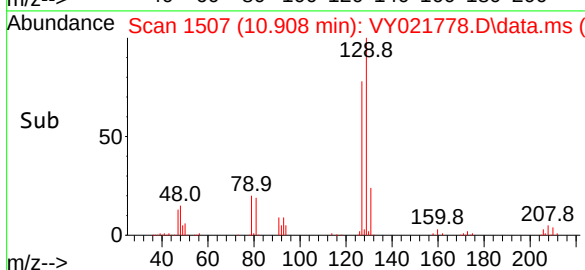
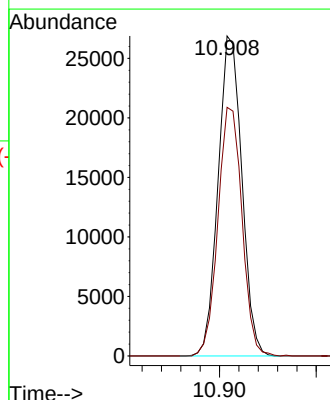
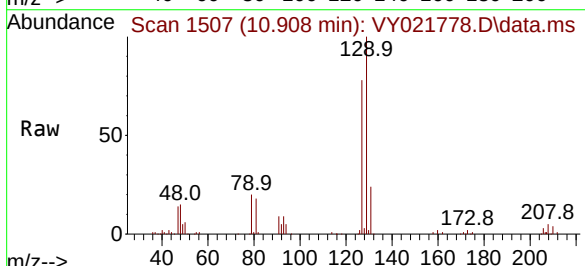
Acq: 04 Apr 2025 10:26

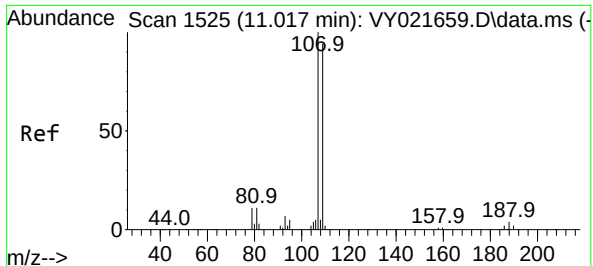
Tgt Ion:129 Resp: 45764

Ion Ratio Lower Upper

129 100

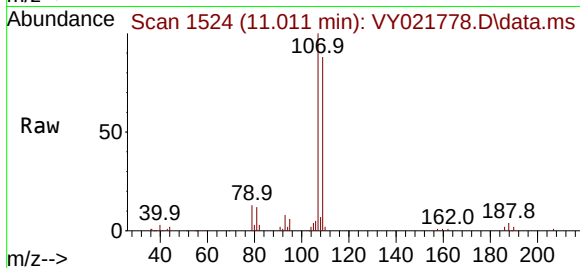
127 78.7 38.6 115.7





#61
1,2-Dibromoethane
Concen: 19.087 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

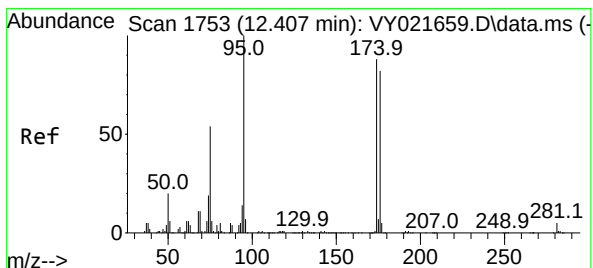
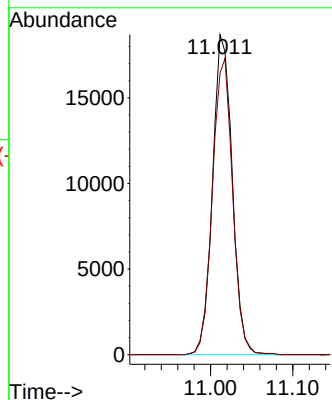
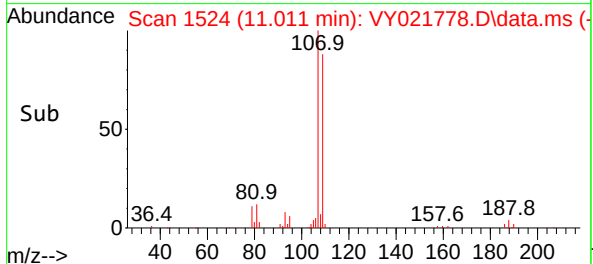
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



Tgt Ion: 107 Resp: 31019
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6

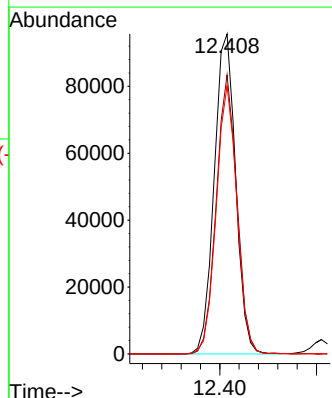
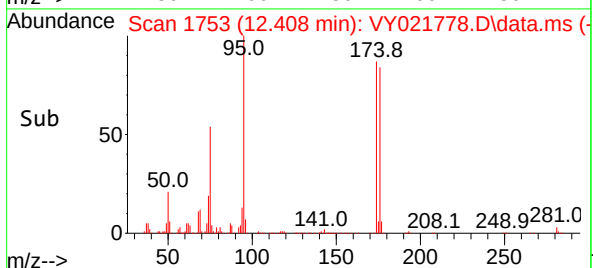
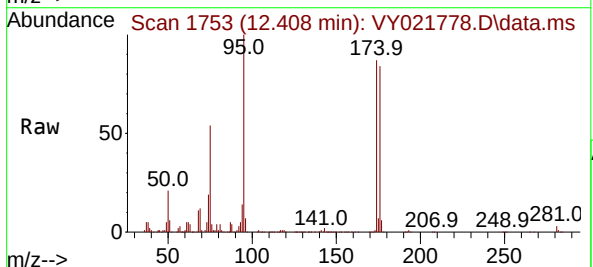
Manual Integrations
APPROVED

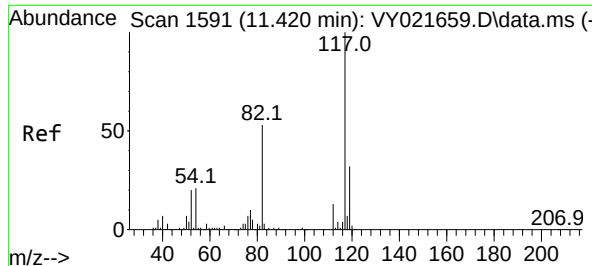
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#62
4-Bromofluorobenzene
Concen: 52.820 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

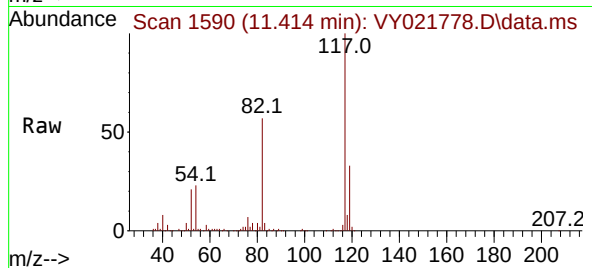
Tgt Ion: 95 Resp: 147041
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 81.1 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11590
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

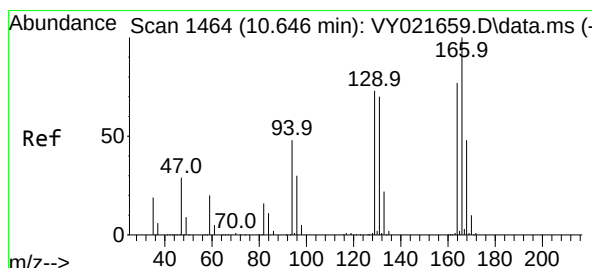
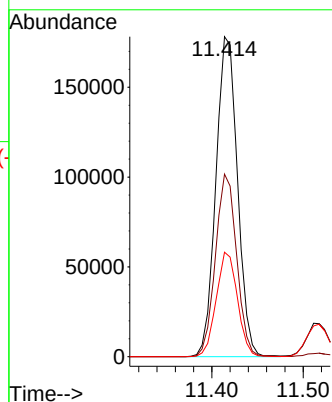
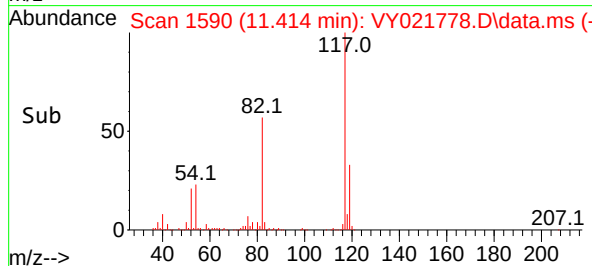
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



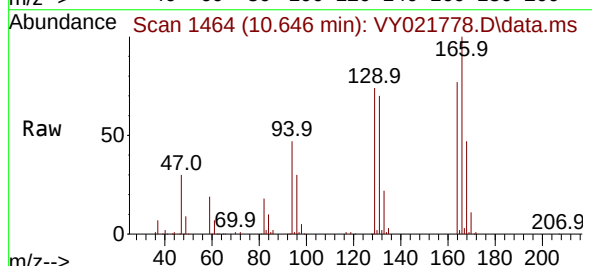
Tgt Ion:117 Resp: 29310
Ion Ratio Lower Upper
117 100
82 57.1 42.8 64.2
119 32.7 25.7 38.5

Manual Integrations
APPROVED

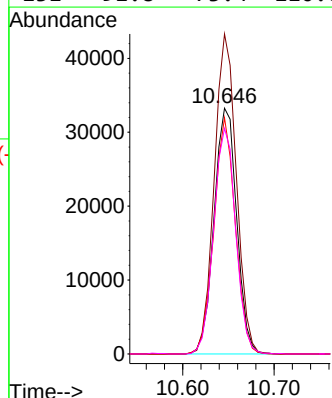
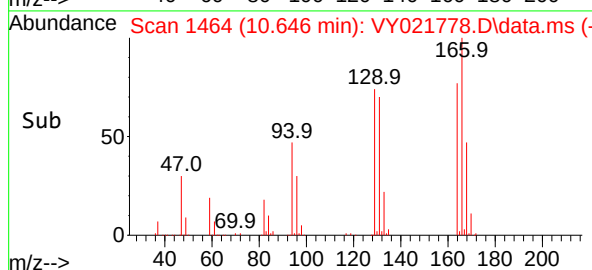
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

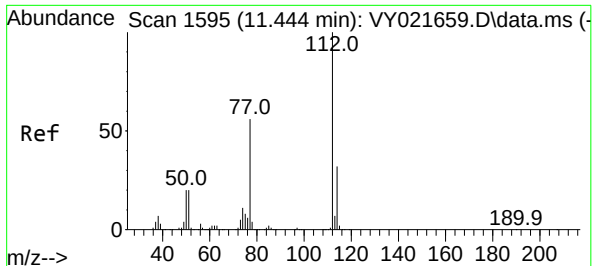


#64
Tetrachloroethene
Concen: 21.437 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



Tgt Ion:164 Resp: 57226
Ion Ratio Lower Upper
164 100
166 130.2 104.6 156.8
129 96.1 76.6 114.8
131 91.8 73.4 110.0





#65

Chlorobenzene

Concen: 19.745 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:112 Resp: 13266

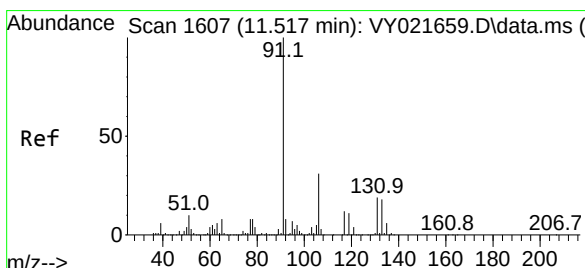
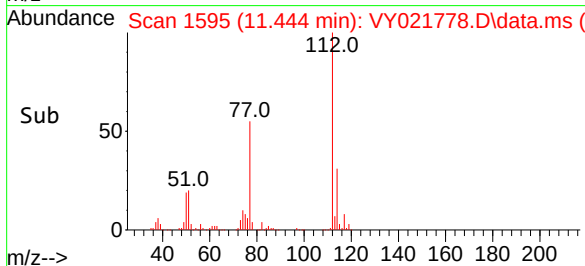
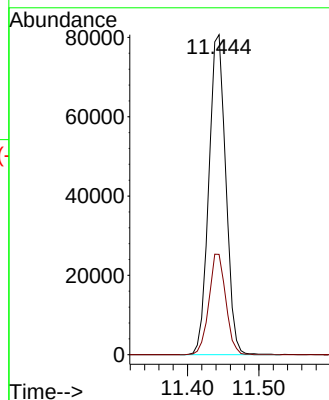
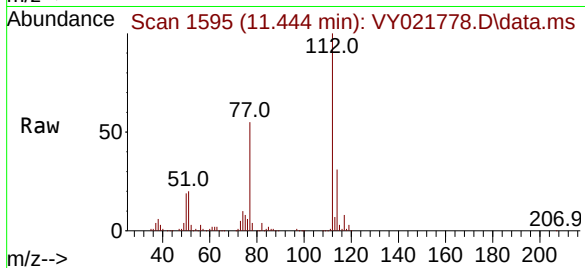
Ion Ratio Lower Upper

112 100

114 31.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#66

1,1,1,2-Tetrachloroethane

Concen: 20.215 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

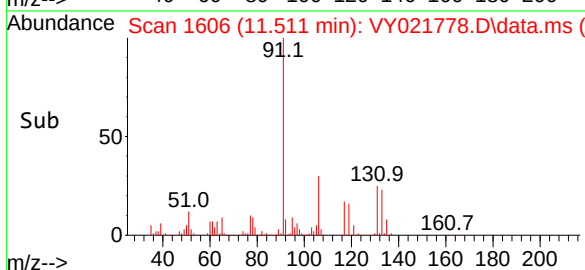
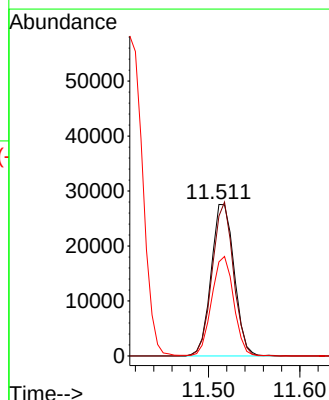
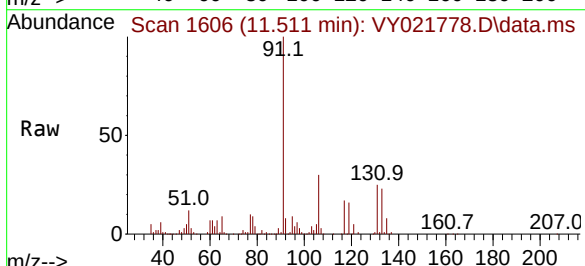
Tgt Ion:131 Resp: 48189

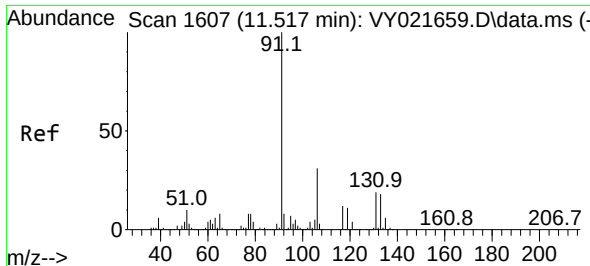
Ion Ratio Lower Upper

131 100

133 94.1 47.3 141.8

119 62.9 31.6 95.0





#67

Ethyl Benzene

Concen: 19.612 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 91 Resp: 22595

Ion Ratio Lower Upper

91 100

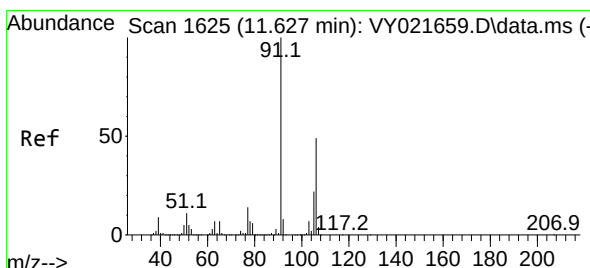
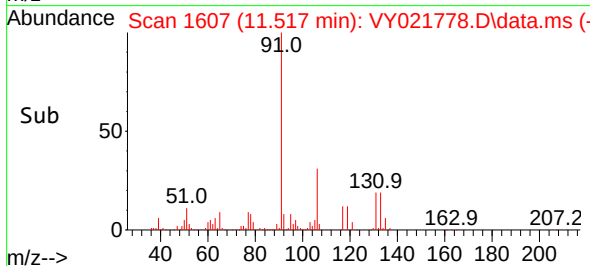
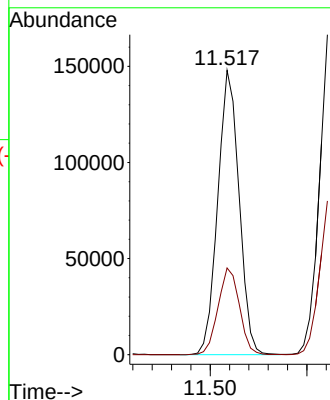
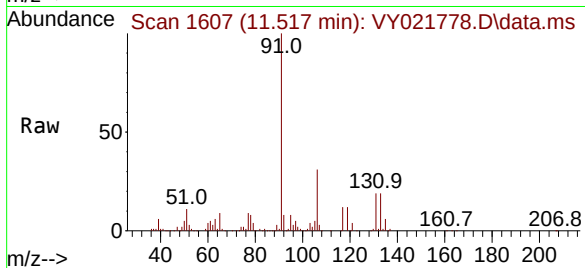
106 30.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#68

m/p-Xylenes

Concen: 39.102 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021778.D

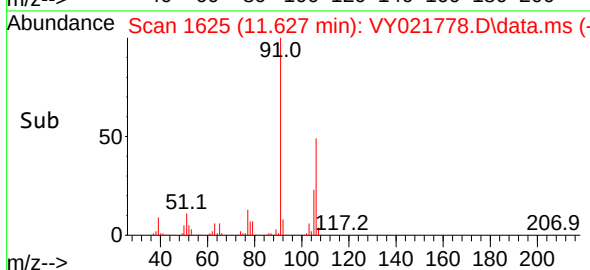
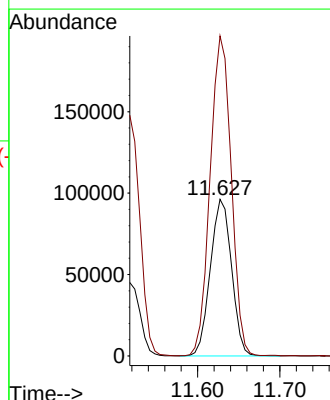
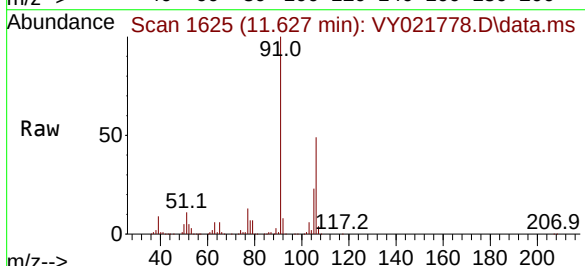
Acq: 04 Apr 2025 10:26

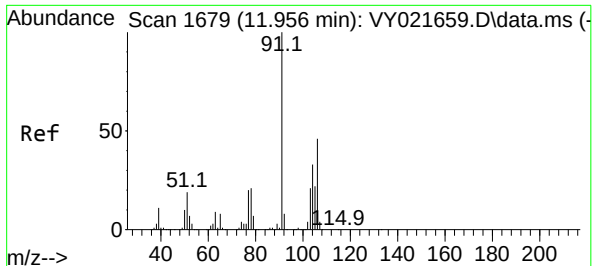
Tgt Ion:106 Resp: 172512

Ion Ratio Lower Upper

106 100

91 203.2 162.4 243.6





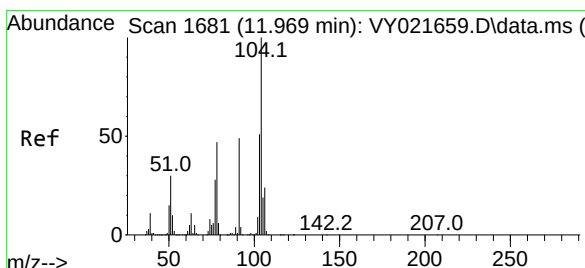
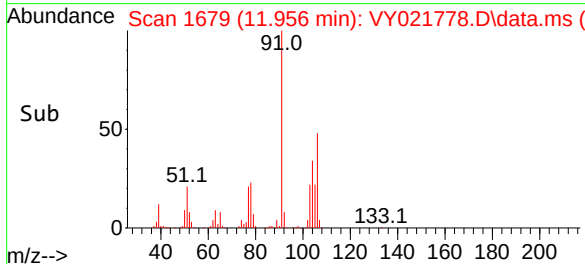
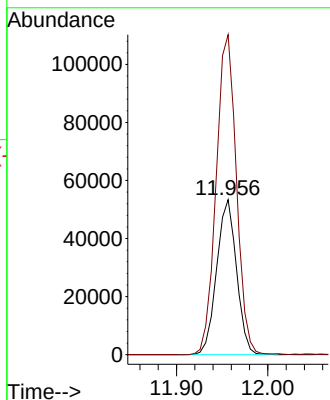
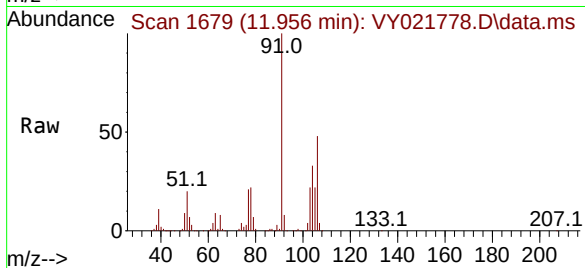
#69
o-Xylene
Concen: 19.805 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:106 Resp: 80658
Ion Ratio Lower Upper
106 100
91 210.9 106.7 319.9

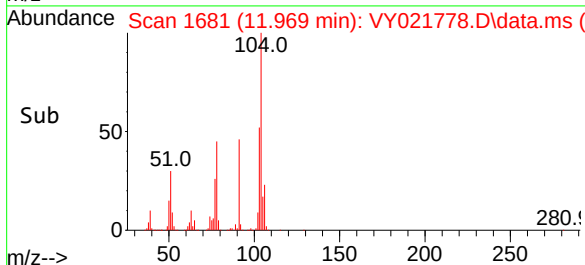
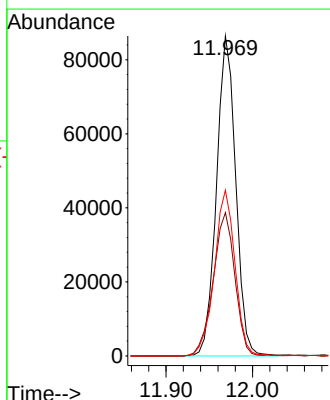
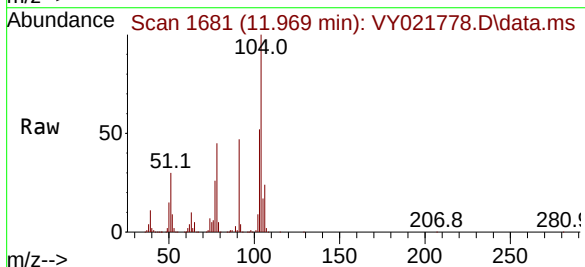
Manual Integrations
APPROVED

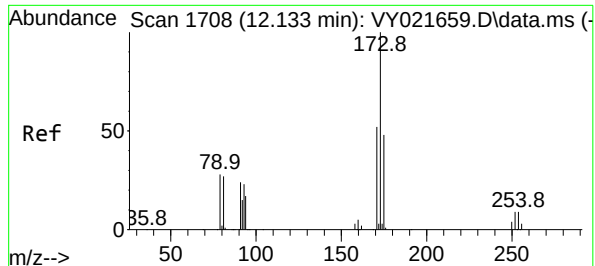
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#70
Styrene
Concen: 19.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

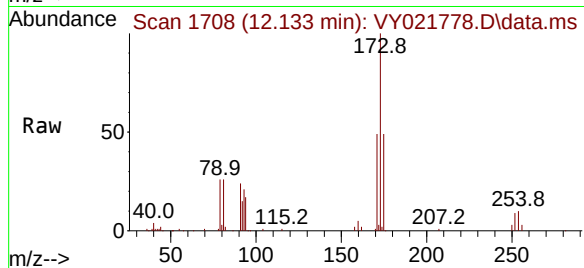
Tgt Ion:104 Resp: 133338
Ion Ratio Lower Upper
104 100
78 50.4 40.8 61.2
103 55.8 44.2 66.2





#71
Bromoform
Concen: 18.854 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

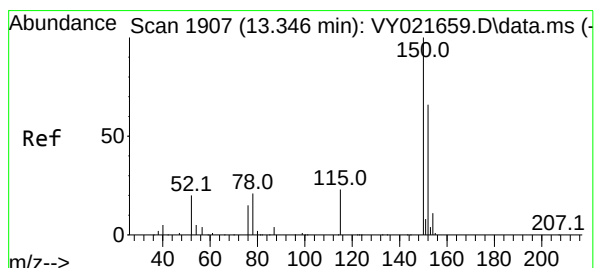
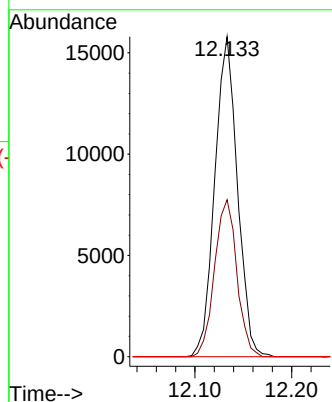
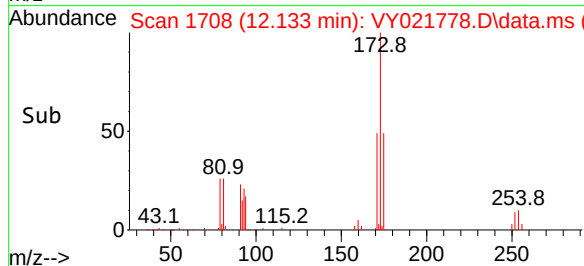
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



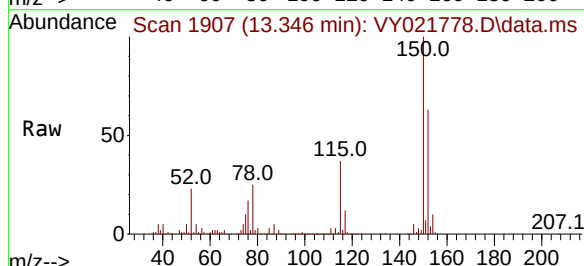
Tgt Ion:173 Resp: 2563
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

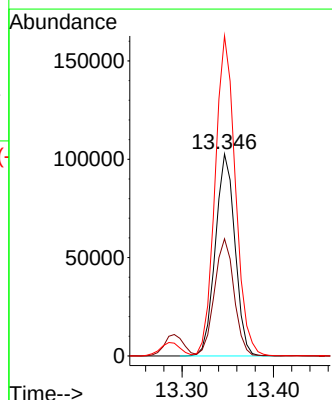
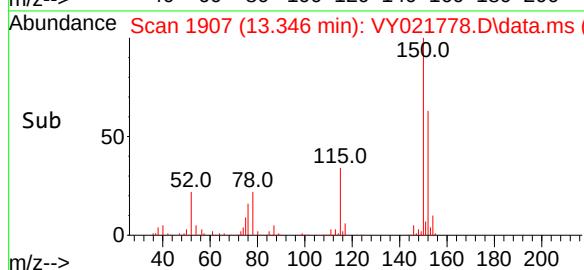
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

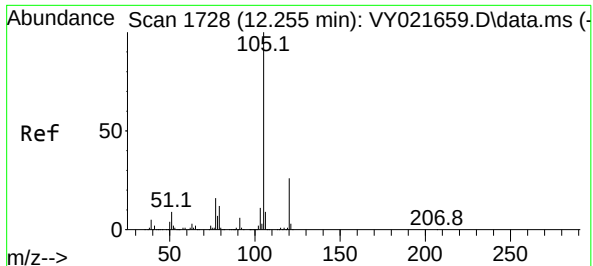


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



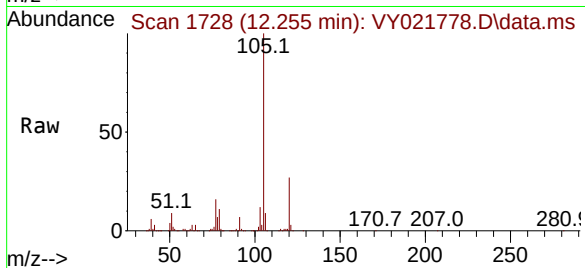
Tgt Ion:152 Resp: 152811
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 164.2 0.0 348.4





#73
Isopropylbenzene
Concen: 18.738 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

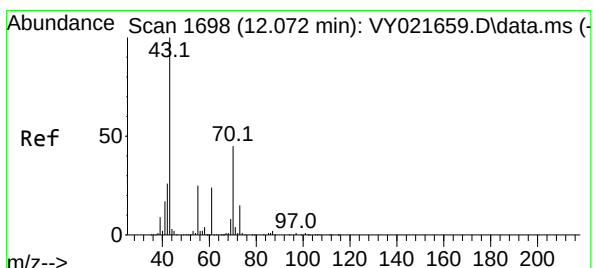
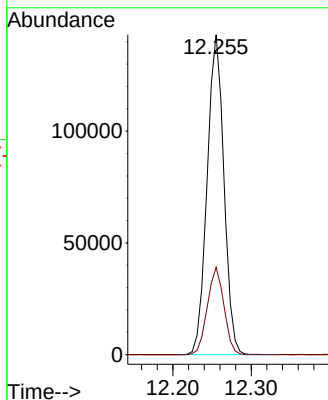
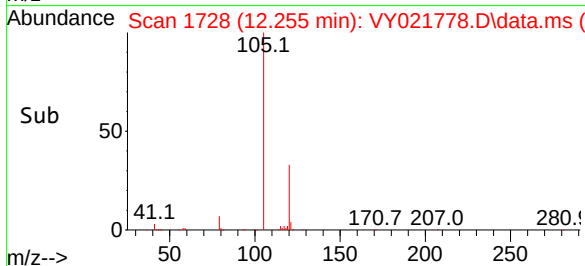
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



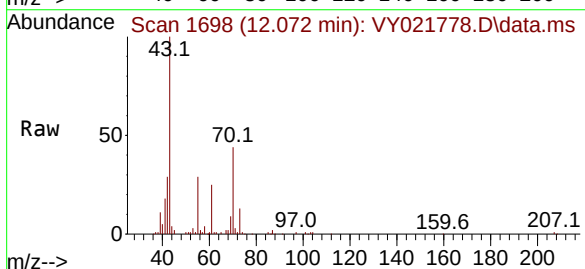
Tgt Ion: 105 Resp: 212669
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.5

Manual Integrations
APPROVED

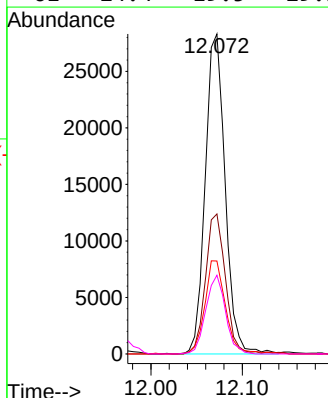
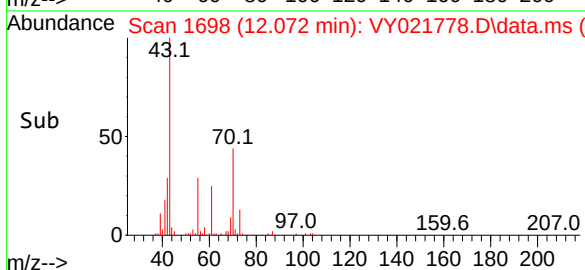
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

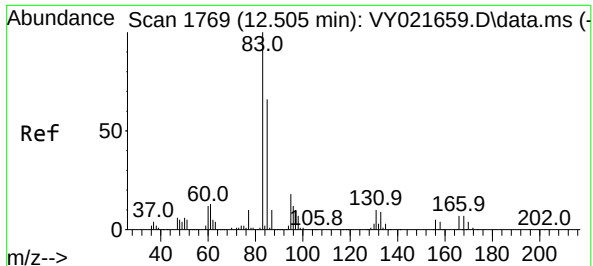


#74
N-ethyl acetate
Concen: 16.060 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



Tgt Ion: 43 Resp: 42780
Ion Ratio Lower Upper
43 100
70 43.8 34.7 52.1
55 30.5 21.2 31.8
61 24.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.080 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

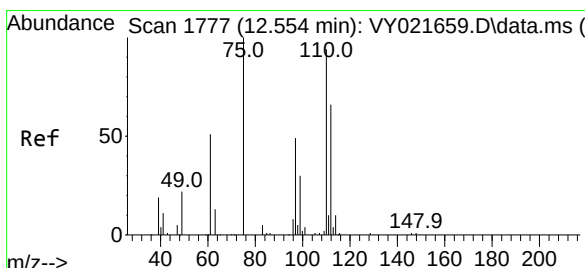
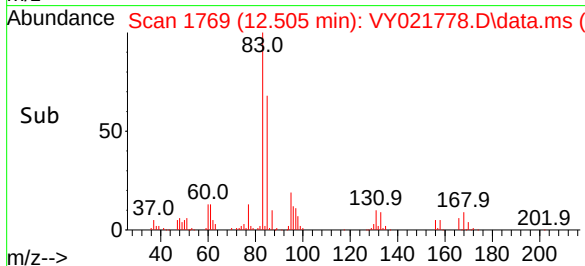
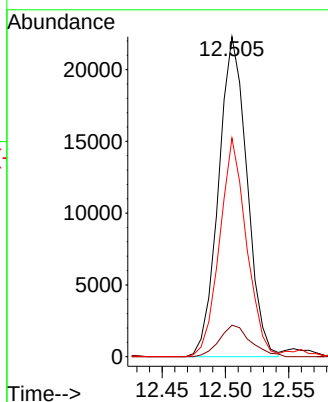
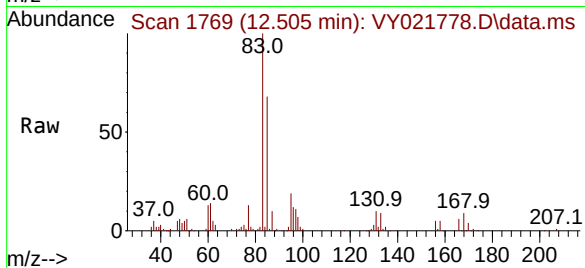
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	83	Resp:	3485
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	64.3	32.3	96.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#76

1,2,3-Trichloropropane

Concen: 18.221 ug/l m

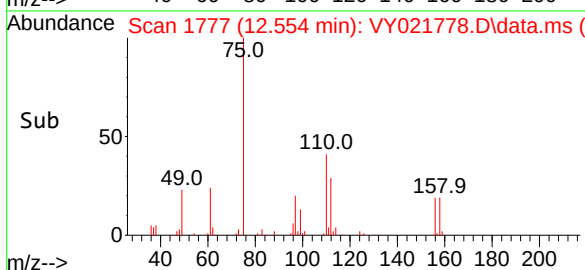
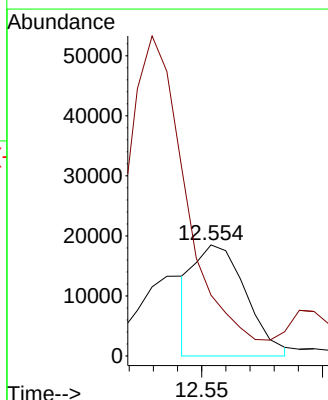
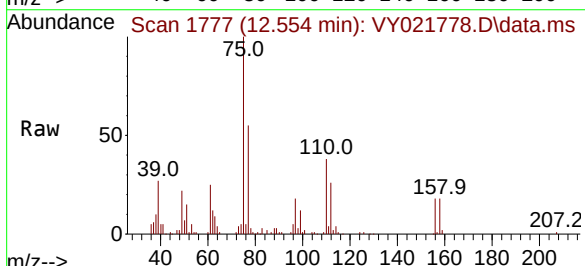
RT: 12.554 min Scan# 1777

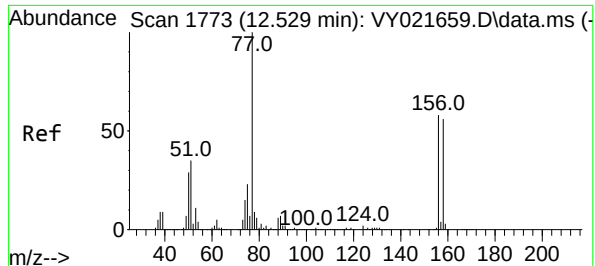
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	75	Resp:	27600
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





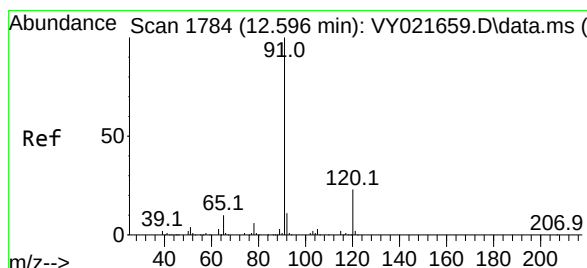
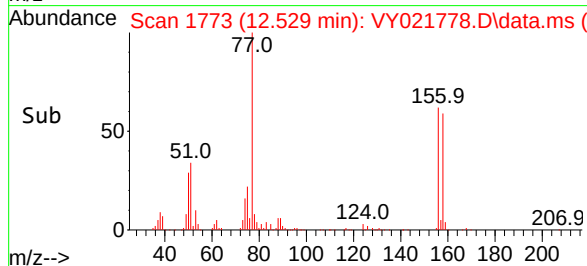
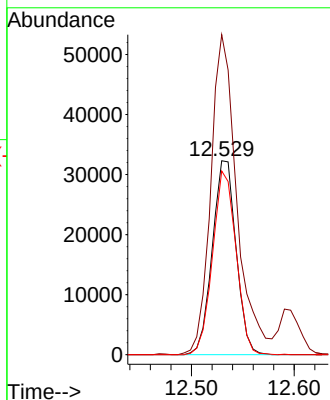
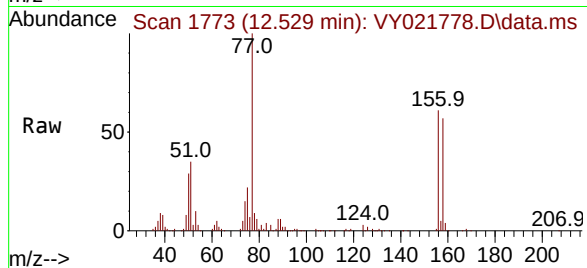
#77
Bromobenzene
Concen: 19.024 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 156 Resp: 5184
Ion Ratio Lower Upper
156 100
77 181.4 92.8 278.3
158 93.7 48.5 145.6

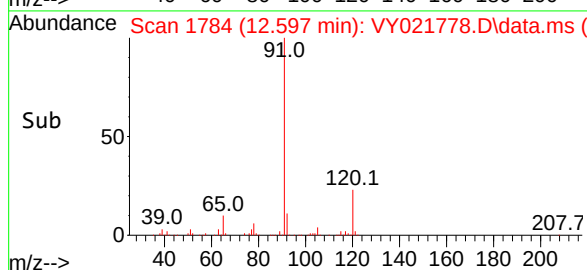
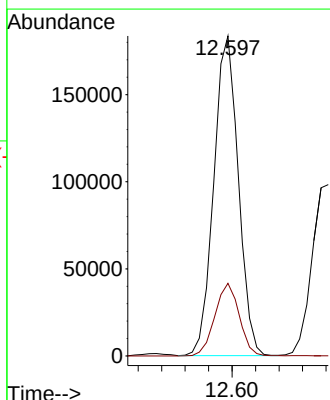
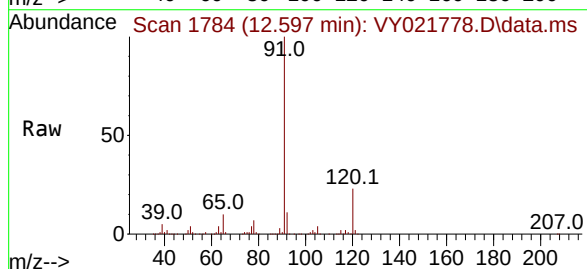
Manual Integrations
APPROVED

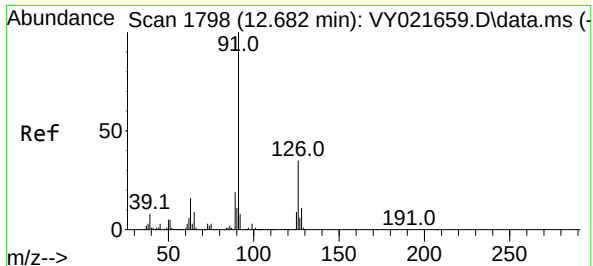
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#78
n-propylbenzene
Concen: 19.496 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 266033
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.174 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 91 Resp: 151959

Ion Ratio Lower Upper

91 100

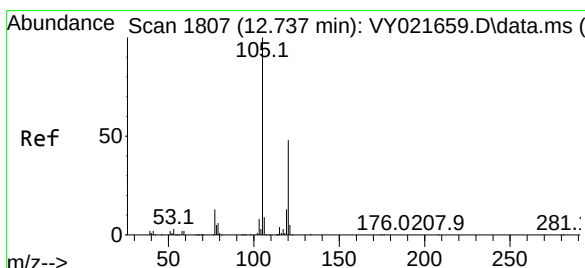
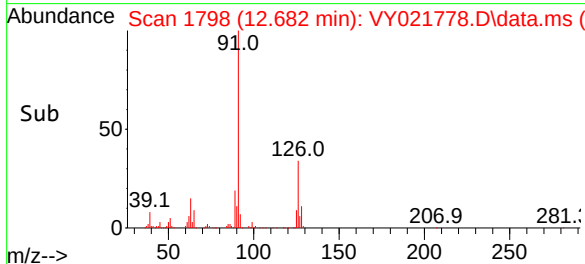
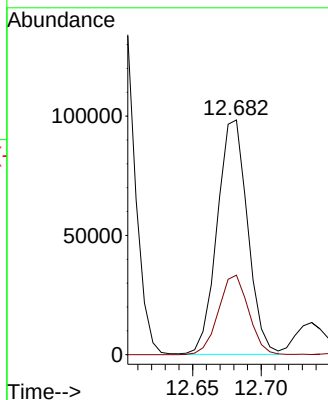
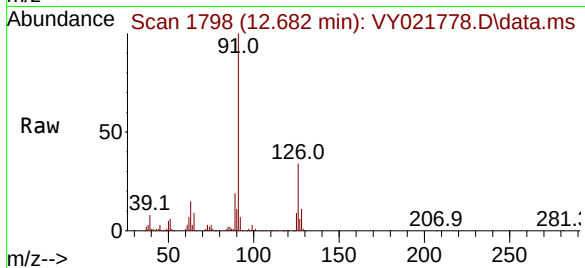
126 33.6 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.945 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021778.D

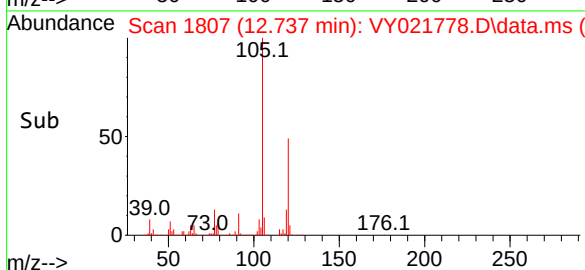
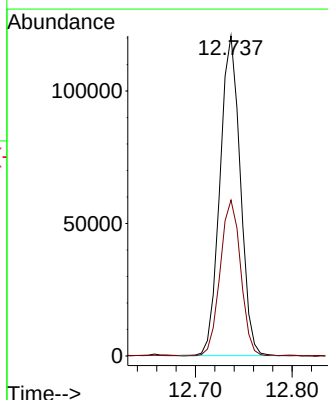
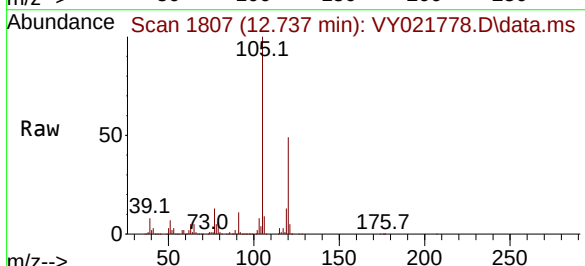
Acq: 04 Apr 2025 10:26

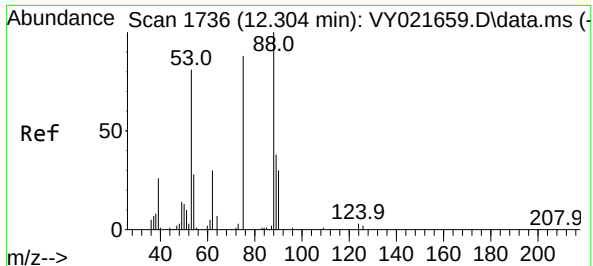
Tgt Ion:105 Resp: 175739

Ion Ratio Lower Upper

105 100

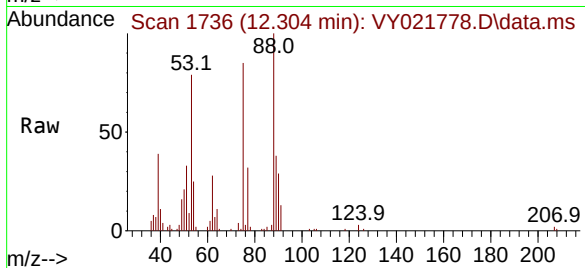
120 49.5 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 16.328 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

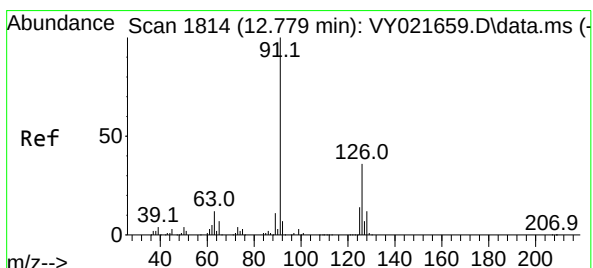
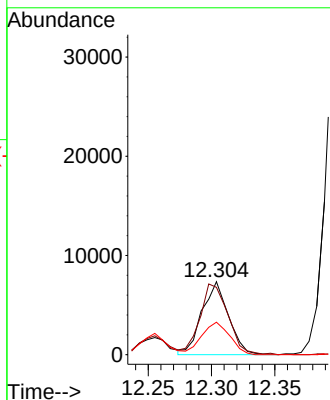
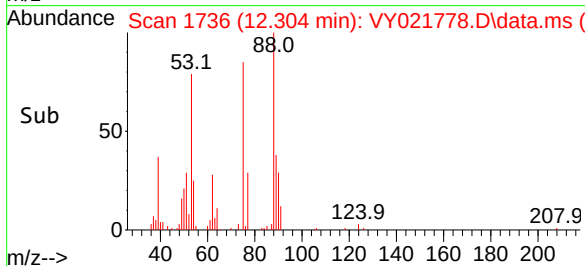
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



Tgt Ion: 75 Resp: 10734
Ion Ratio Lower Upper
75 100
53 103.1 76.1 114.1
89 46.6 36.2 54.4

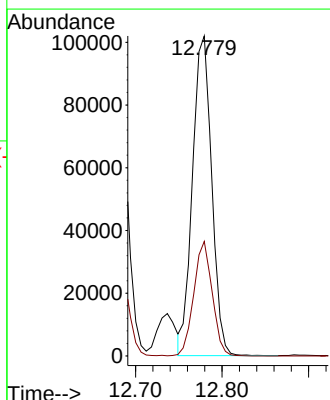
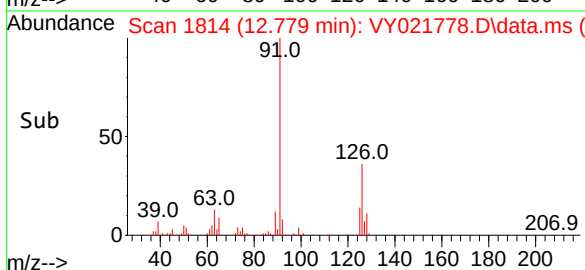
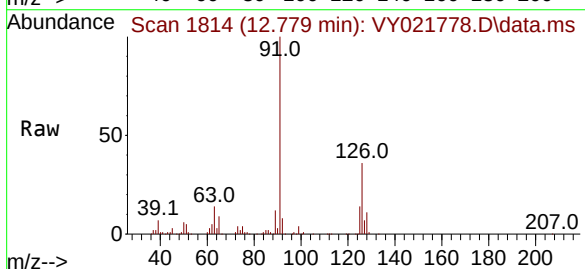
Manual Integrations
APPROVED

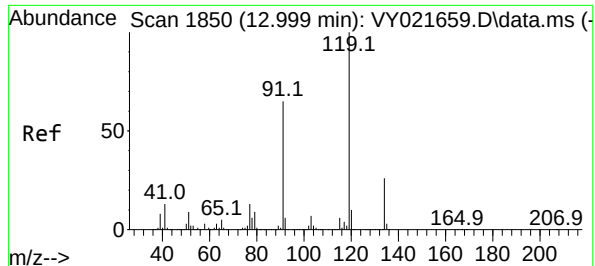
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#82
4-Chlorotoluene
Concen: 19.006 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

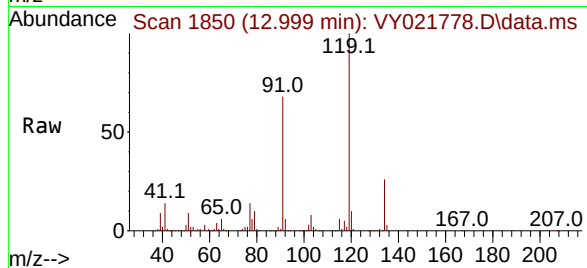
Tgt Ion: 91 Resp: 157038
Ion Ratio Lower Upper
91 100
126 34.5 17.0 50.9





#83
tert-Butylbenzene
Concen: 18.633 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

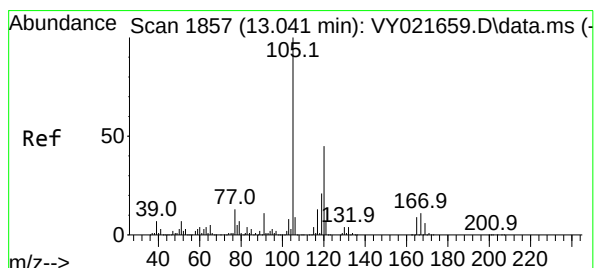
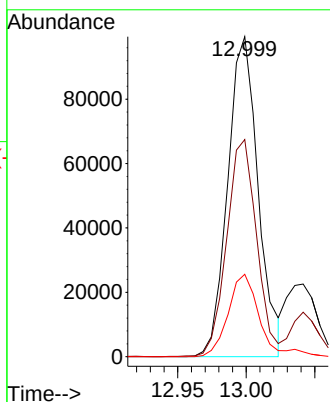
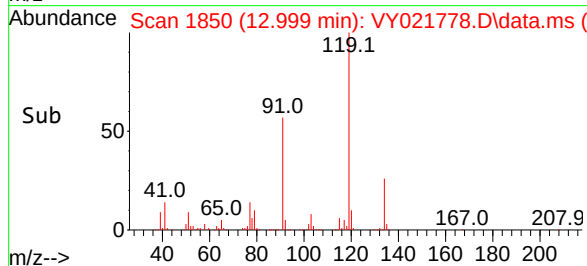
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



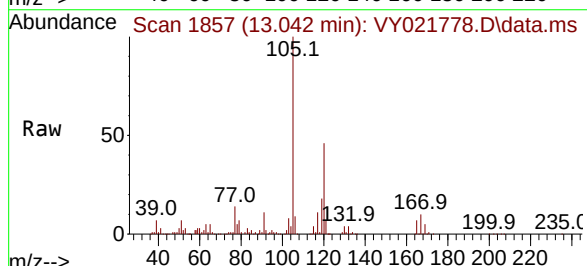
Tgt Ion:119 Resp: 153940
Ion Ratio Lower Upper
119 100
91 66.8 32.6 97.7
134 26.6 13.2 39.6

Manual Integrations
APPROVED

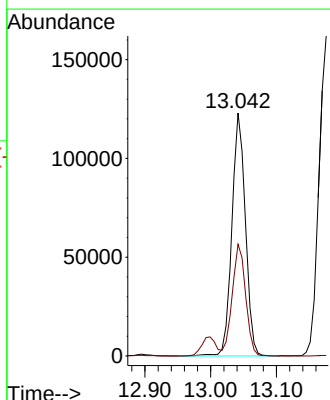
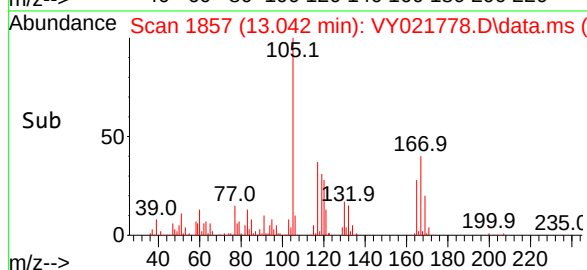
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

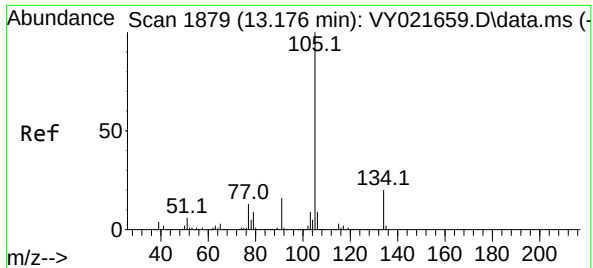


#84
1,2,4-Trimethylbenzene
Concen: 19.171 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



Tgt Ion:105 Resp: 175765
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1





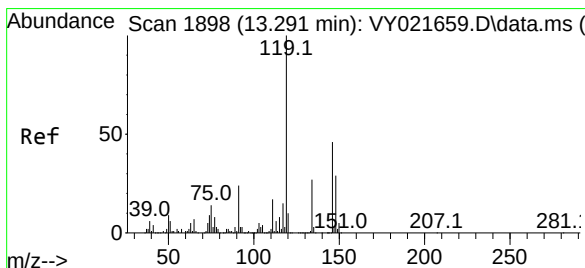
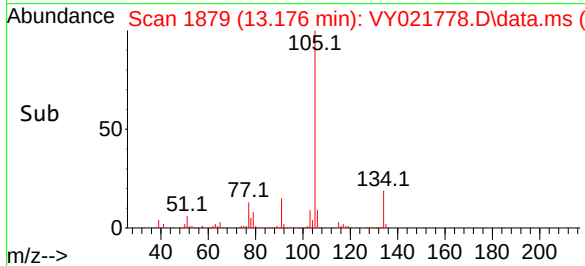
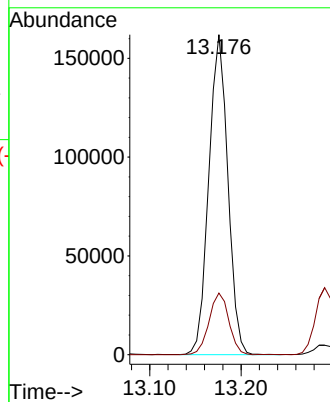
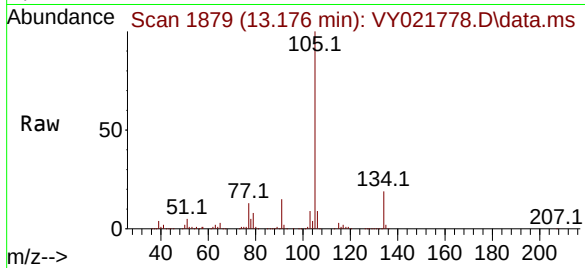
#85
sec-Butylbenzene
Concen: 19.380 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:105 Resp: 233999
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

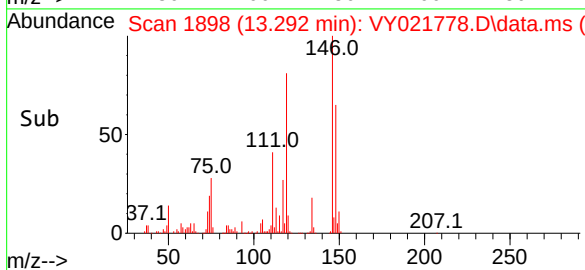
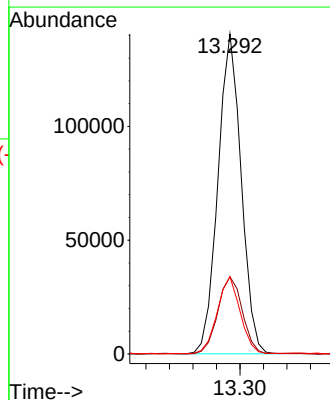
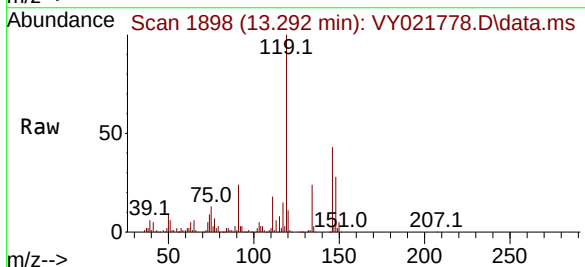
Manual Integrations
APPROVED

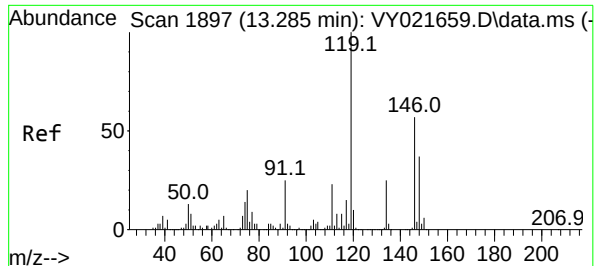
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#86
p-Isopropyltoluene
Concen: 19.362 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:119 Resp: 193222
Ion Ratio Lower Upper
119 100
134 25.6 13.2 39.5
91 23.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 18.993 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

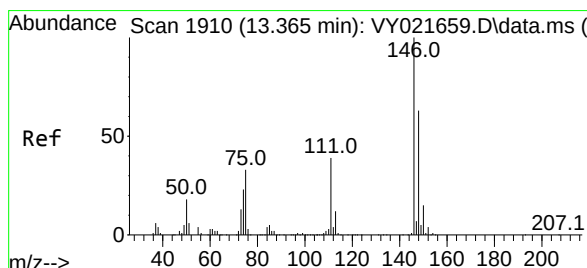
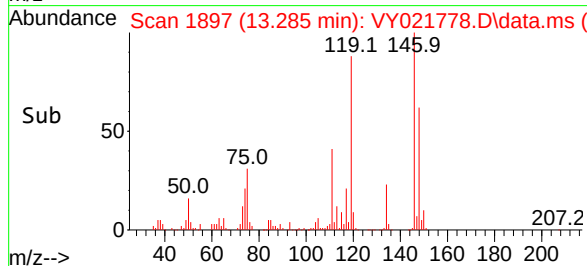
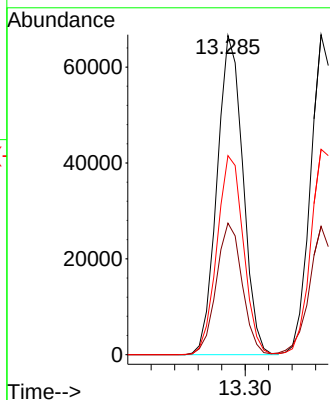
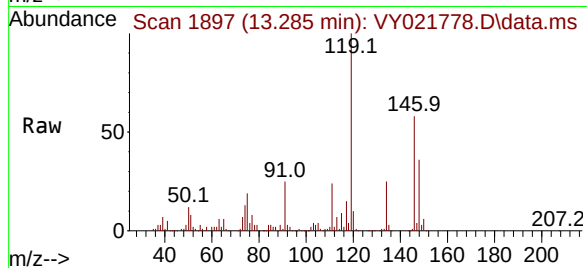
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	146	Resp:	10197
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.0	60.0
148	63.8	31.8	95.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#88

1,4-Dichlorobenzene

Concen: 18.898 ug/l

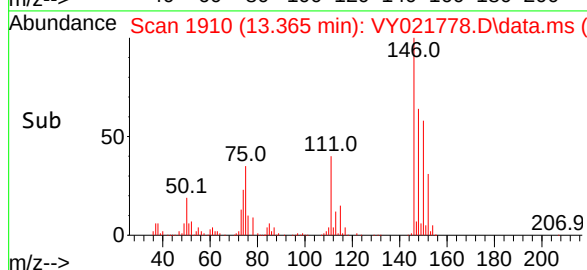
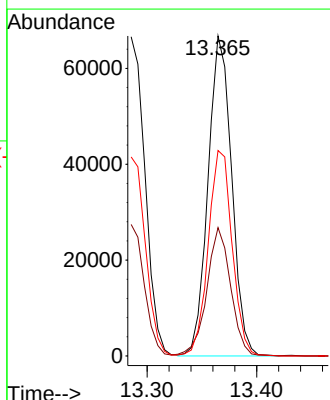
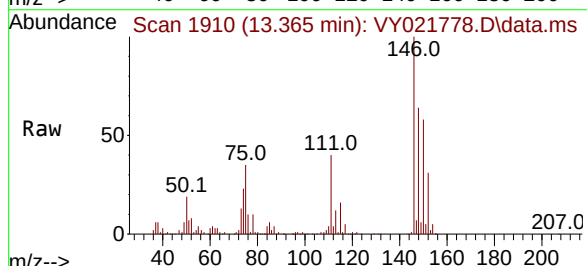
RT: 13.365 min Scan# 1910

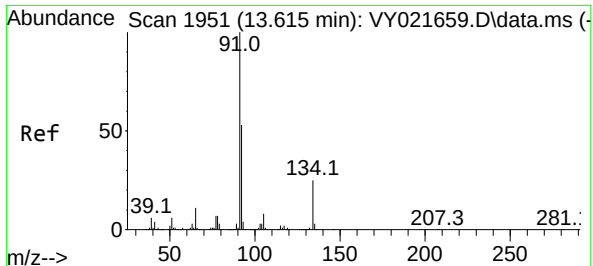
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	146	Resp:	100243
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.1	57.1
148	64.9	31.5	94.5





#89

n-Butylbenzene

Concen: 19.102 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 91 Resp: 17629

Ion Ratio Lower Upper

91 100

92 51.7 26.4 79.2

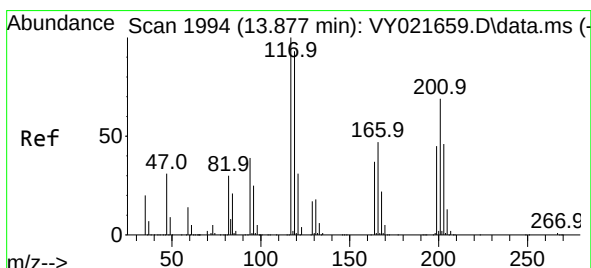
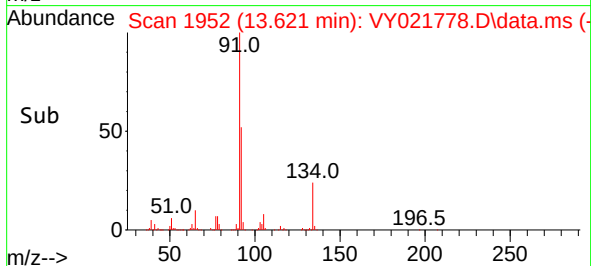
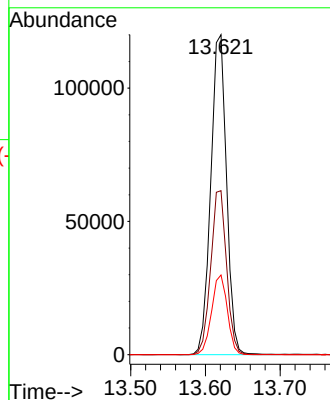
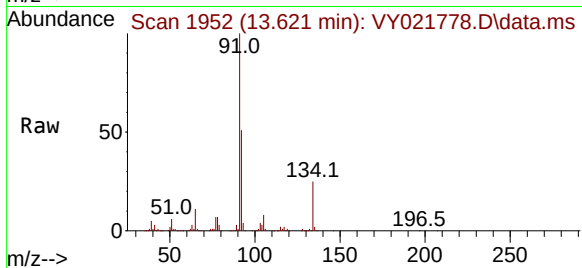
134 24.8 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#90

Hexachloroethane

Concen: 19.280 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021778.D

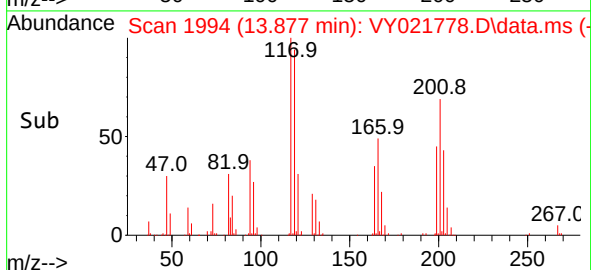
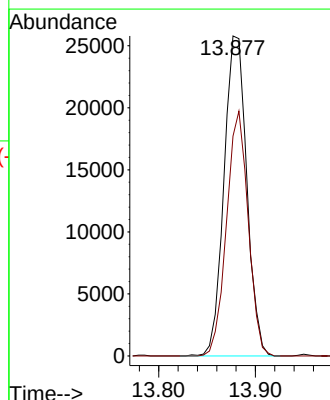
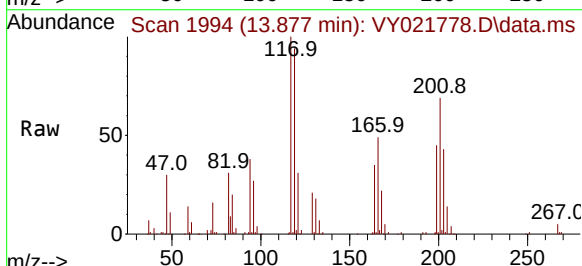
Acq: 04 Apr 2025 10:26

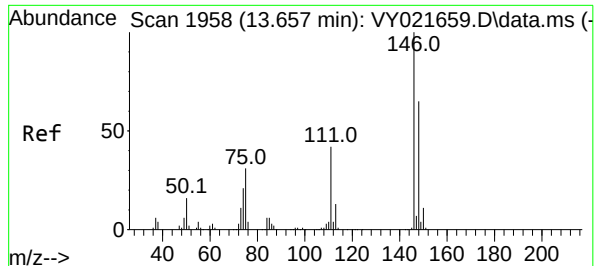
Tgt Ion:117 Resp: 42163

Ion Ratio Lower Upper

117 100

201 72.7 37.4 112.1





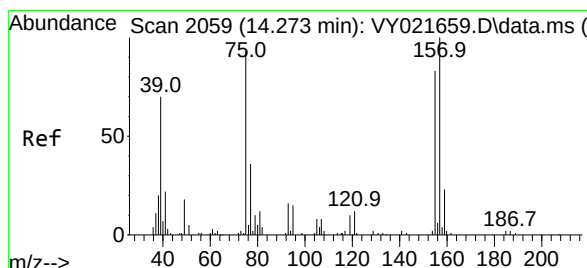
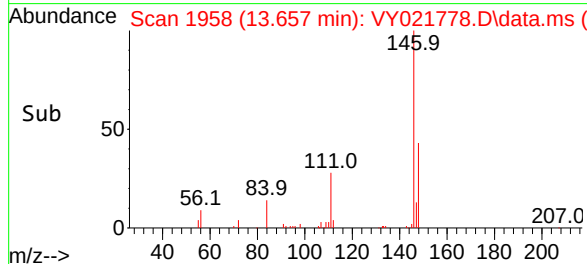
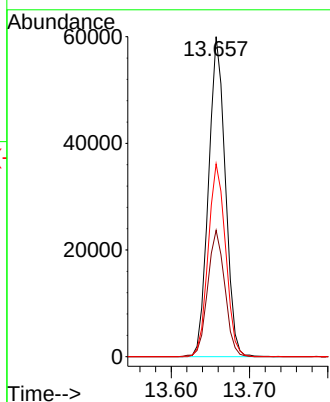
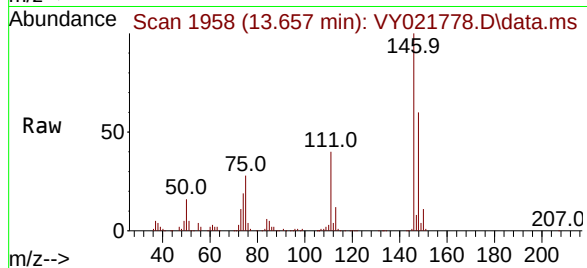
#91
1,2-Dichlorobenzene
Concen: 19.105 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:146 Resp: 8929
Ion Ratio Lower Upper
146 100
111 40.4 20.7 62.1
148 62.4 32.3 96.9

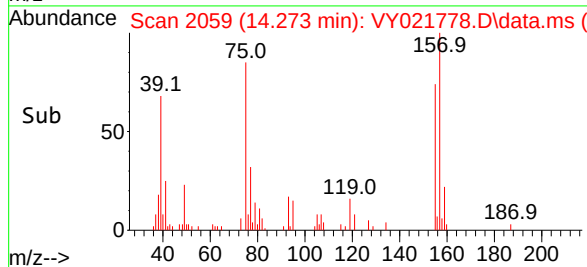
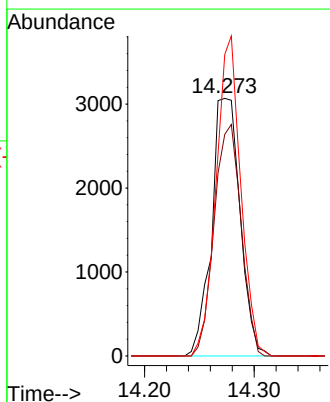
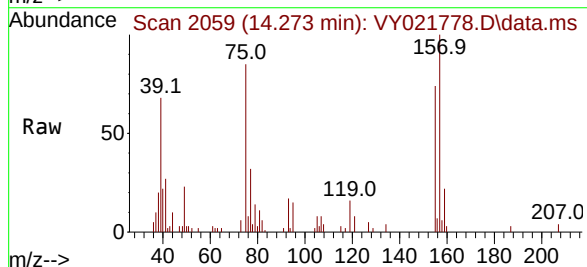
Manual Integrations
APPROVED

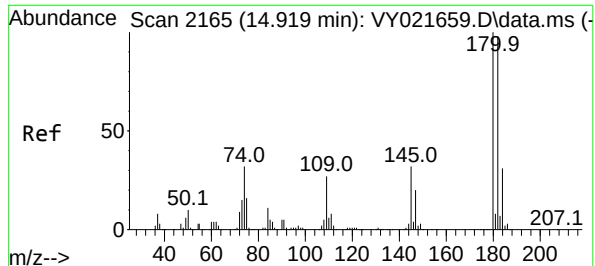
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.494 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 5533
Ion Ratio Lower Upper
75 100
155 85.2 43.0 128.8
157 107.3 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 17.892 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

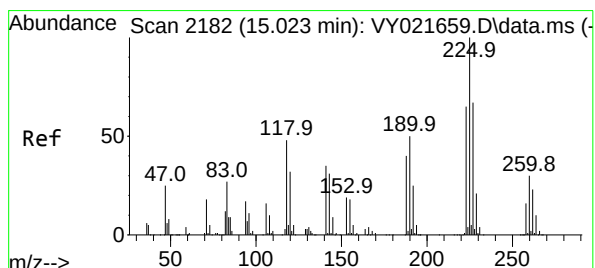
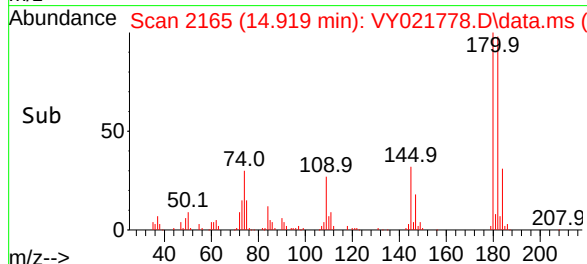
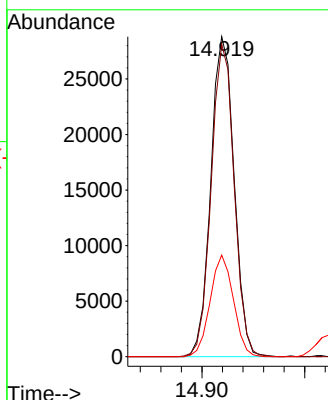
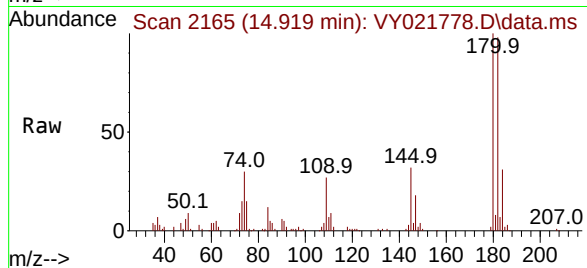
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	180	Resp:	4534
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	31.7	14.9	44.9

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#94

Hexachlorobutadiene

Concen: 19.201 ug/l

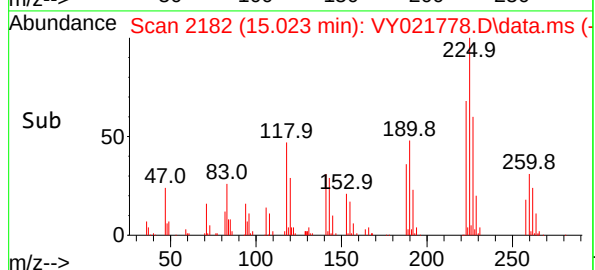
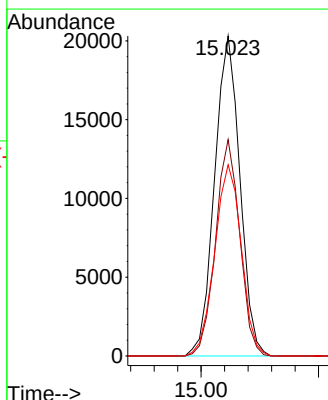
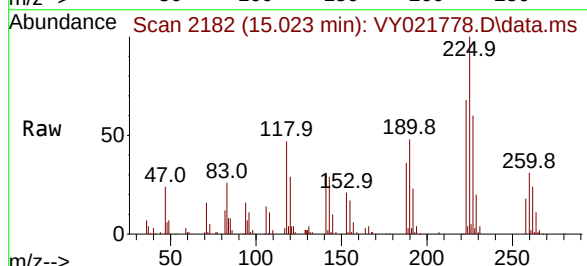
RT: 15.023 min Scan# 2182

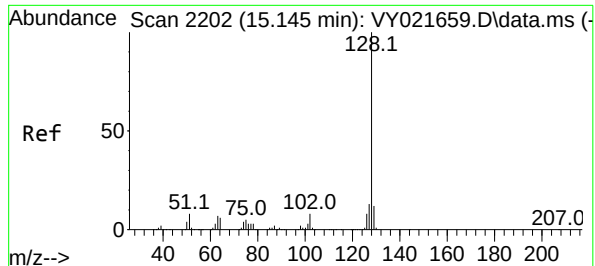
Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:	225	Resp:	30393
Ion Ratio	Lower	Upper	
225	100		
223	64.4	31.9	95.7
227	62.7	32.4	97.0





#95

Naphthalene

Concen: 15.803 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

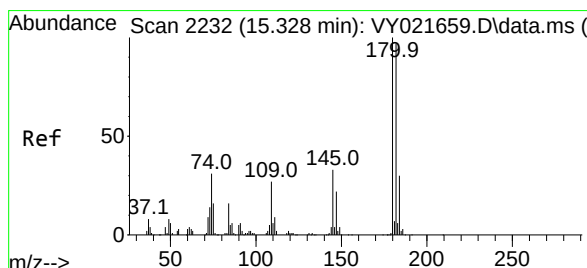
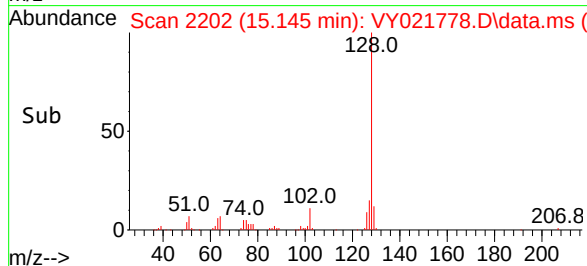
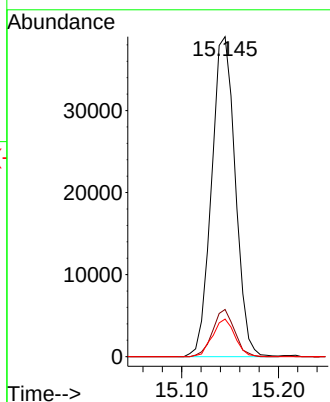
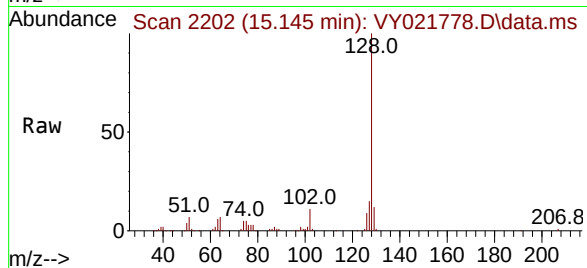
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:128	Resp:	66390
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.8 16.2
129	11.2	8.8 13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#96

1,2,3-Trichlorobenzene

Concen: 17.723 ug/l

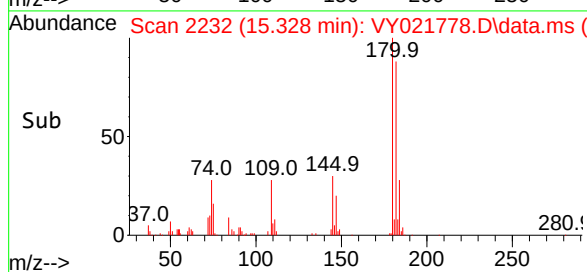
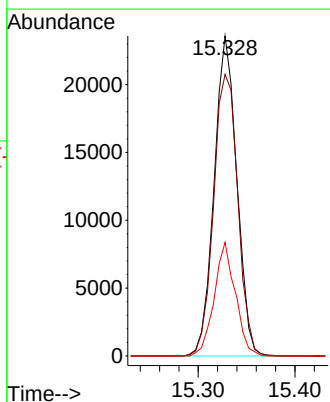
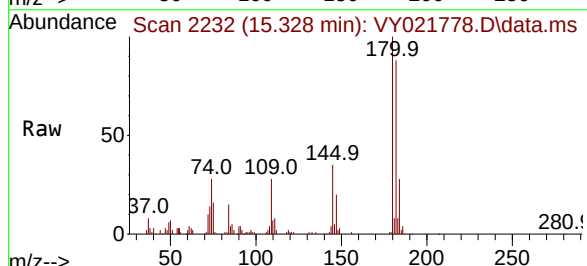
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion:180	Resp:	38305
Ion Ratio	Lower	Upper
180	100	
182	94.0	47.5 142.5
145	33.1	15.9 47.7



Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0407SBS01		SDG No.:	Q1730
Lab Sample ID:	VY0407SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021796.D	1		04/07/25 14:07	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.017		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.022		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.091		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.018		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.097		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.074		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.018		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.019		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.086		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.019		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.018		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.019		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.019		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.019		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.019		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.019		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.019		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.096		0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0407SBS01		SDG No.:	Q1730
Lab Sample ID:	VY0407SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021796.D	1		04/07/25 14:07	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.019		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.020		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.093		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.019		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.019		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.018		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.038		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.056		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.019		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.019		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.017		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.017		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.018		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.018		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.018		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.018		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.018		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.018		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.018		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.018		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.018		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0407SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021796.D	1		04/07/25 14:07	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.018		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.019		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.019		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.3		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203000	7.707				
540-36-3	1,4-Difluorobenzene	318000	8.616				
3114-55-4	Chlorobenzene-d5	288000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.352				

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\VY040725\
 Data File : VY021796.D
 Acq On : 07 Apr 2025 14:07
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:31:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	202553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	149046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112714	51.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.634	113	105448	51.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%			
50) Toluene-d8	10.109	98	402207	51.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.408	95	137431	51.789	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	36481	17.377	ug/l	98
3) Chloromethane	2.068	50	59151	20.037	ug/l	99
4) Vinyl Chloride	2.202	62	61511	18.425	ug/l	99
5) Bromomethane	2.592	94	48941	21.494	ug/l	98
6) Chloroethane	2.732	64	43322	19.831	ug/l	94
7) Trichlorofluoromethane	3.049	101	81090	18.961	ug/l	96
8) Diethyl Ether	3.458	74	21199	18.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	42352	18.776	ug/l	99
10) Methyl Iodide	4.007	142	44371	17.931	ug/l	99
11) Tert butyl alcohol	4.891	59	12162	85.320	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	38767	18.247	ug/l	94
13) Acrolein	3.653	56	12797	49.166	ug/l	98
14) Allyl chloride	4.385	41	61765	18.233	ug/l	98
15) Acrylonitrile	5.061	53	47002	96.790	ug/l	100
16) Acetone	3.879	43	33135	73.773	ug/l	97
17) Carbon Disulfide	4.104	76	123232	17.610	ug/l	99
18) Methyl Acetate	4.391	43	23144	20.791	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	97072	18.352	ug/l	96
20) Methylene Chloride	4.616	84	47543	19.254	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	43713	18.687	ug/l	93
22) Diisopropyl ether	6.018	45	137320	19.324	ug/l	96
23) Vinyl Acetate	5.964	43	378088	90.951	ug/l	98
24) 1,1-Dichloroethane	5.915	63	81273	19.127	ug/l	99
25) 2-Butanone	6.896	43	54867	85.526	ug/l	97
26) 2,2-Dichloropropane	6.890	77	67416	17.837	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	49651	18.874	ug/l	98
28) Bromochloromethane	7.250	49	35606	19.870	ug/l	97
29) Tetrahydrofuran	7.268	42	37752	91.436	ug/l	99
30) Chloroform	7.421	83	85674	19.386	ug/l	97
31) Cyclohexane	7.701	56	67135	17.333	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	74644	18.687	ug/l	98
36) 1,1-Dichloropropene	7.835	75	58414	18.597	ug/l	98
37) Ethyl Acetate	6.988	43	27713	18.694	ug/l	99
38) Carbon Tetrachloride	7.817	117	68118	18.934	ug/l	97
39) Methylcyclohexane	9.109	83	67315	17.939	ug/l	97
40) Benzene	8.085	78	181213	19.264	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021796.D
 Acq On : 07 Apr 2025 14:07
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:31:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14170	17.999	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	51227	19.317	ug/l	98
43) Isopropyl Acetate	8.195	43	51199	18.225	ug/l	97
44) Trichloroethene	8.865	130	48310	20.156	ug/l	92
45) 1,2-Dichloropropane	9.140	63	43310	19.451	ug/l	99
46) Dibromomethane	9.237	93	25621	19.965	ug/l	96
47) Bromodichloromethane	9.426	83	65208	19.610	ug/l	95
48) Methyl methacrylate	9.225	41	23219	18.008	ug/l	98
49) 1,4-Dioxane	9.243	88	4830	351.345	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	139834	95.649	ug/l	99
52) Toluene	10.170	92	114460	19.502	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	57318	19.407	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	67327	19.323	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33605	20.349	ug/l	98
56) Ethyl methacrylate	10.438	69	39586	18.773	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55754	19.548	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	101813	98.974	ug/l	98
59) 2-Hexanone	10.761	43	90772	93.230	ug/l	98
60) Dibromochloromethane	10.914	129	44536	19.752	ug/l	99
61) 1,2-Dibromoethane	11.018	107	30864	19.923	ug/l	99
64) Tetrachloroethene	10.646	164	55443	21.151	ug/l	96
65) Chlorobenzene	11.444	112	125282	18.989	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	44369	18.954	ug/l	98
67) Ethyl Benzene	11.524	91	206159	18.222	ug/l	98
68) m/p-Xylenes	11.633	106	162584	37.528	ug/l	98
69) o-Xylene	11.956	106	73961	18.495	ug/l	98
70) Styrene	11.975	104	124911	18.734	ug/l	99
71) Bromoform	12.133	173	26014	19.482	ug/l #	99
73) Isopropylbenzene	12.255	105	194649	17.583	ug/l	100
74) N-amyl acetate	12.072	43	43771	16.847	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	32796	16.478	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	25435m	17.216	ug/l	
77) Bromobenzene	12.536	156	48789	18.356	ug/l	97
78) n-propylbenzene	12.596	91	239336	17.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	139496	18.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	164031	18.130	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11742	18.313	ug/l	96
82) 4-Chlorotoluene	12.779	91	145850	18.098	ug/l	98
83) tert-Butylbenzene	12.999	119	143987	17.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	163642	18.300	ug/l	99
85) sec-Butylbenzene	13.176	105	212353	18.031	ug/l	100
86) p-Isopropyltoluene	13.291	119	176872	18.171	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	96706	18.467	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	97404	18.826	ug/l	99
89) n-Butylbenzene	13.621	91	160545	17.835	ug/l	98
90) Hexachloroethane	13.883	117	38801	18.191	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	86743	19.029	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5765	18.688	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	44738	18.097	ug/l	99
94) Hexachlorobutadiene	15.029	225	29010	18.790	ug/l	97
95) Naphthalene	15.151	128	70526	17.212	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38125	18.085	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

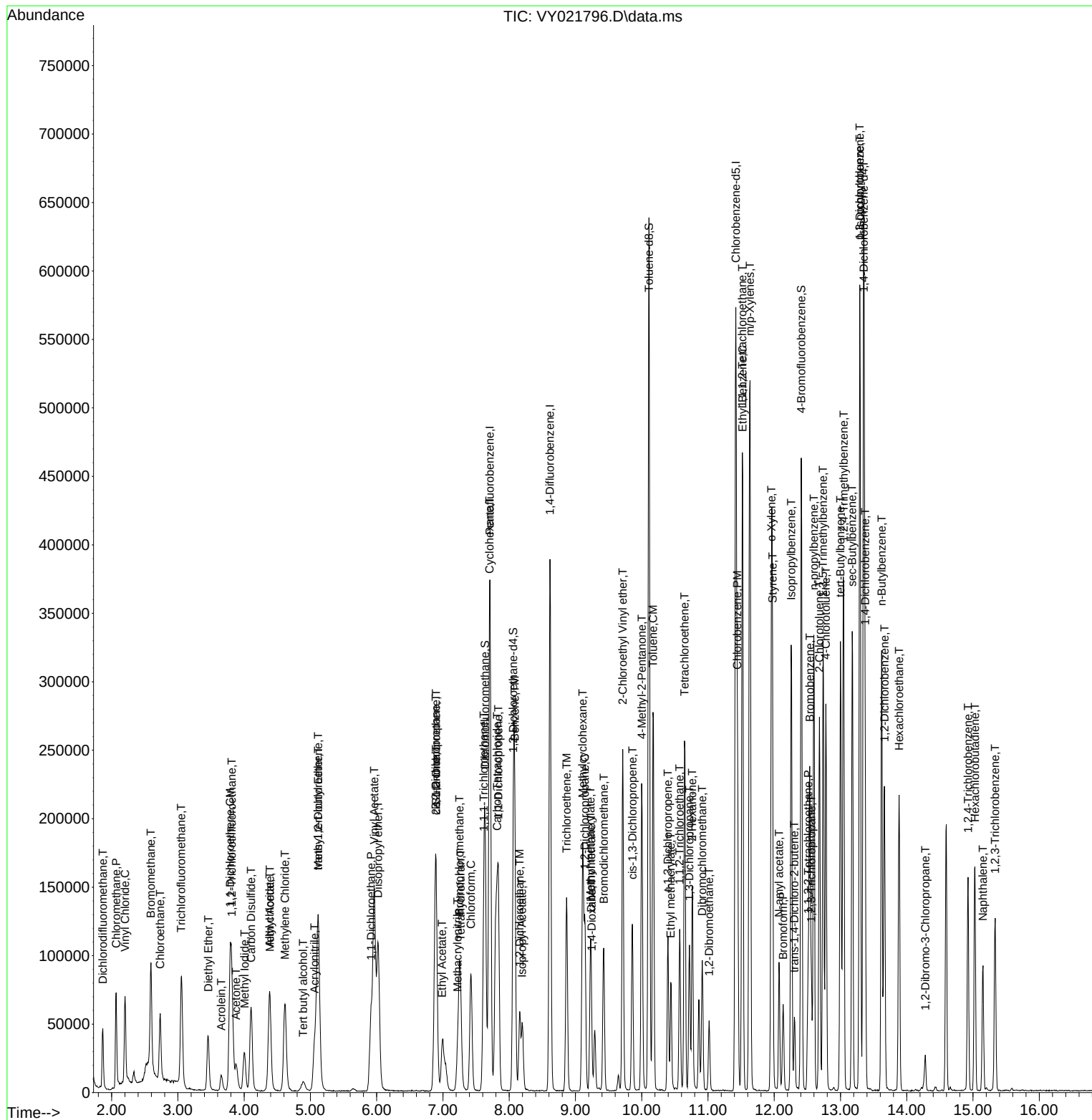
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 Data File : VY021796.D
 Acq On : 07 Apr 2025 14:07
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

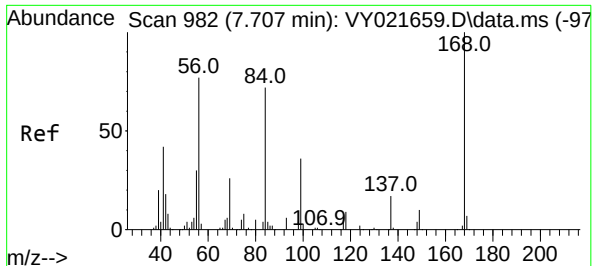
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025





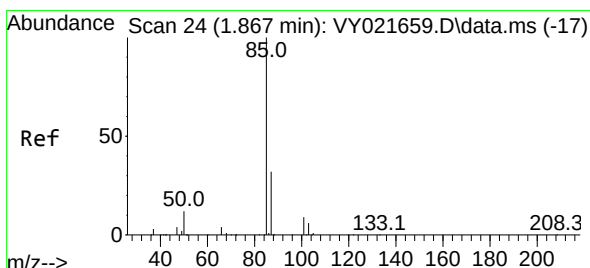
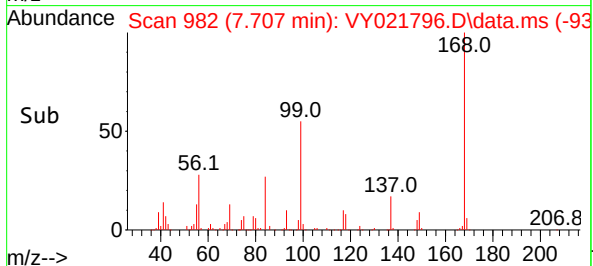
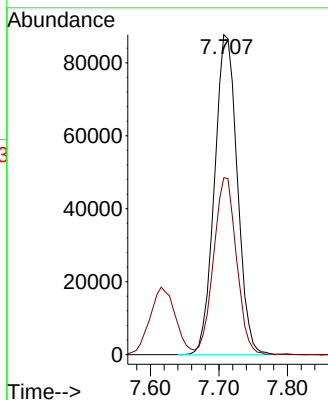
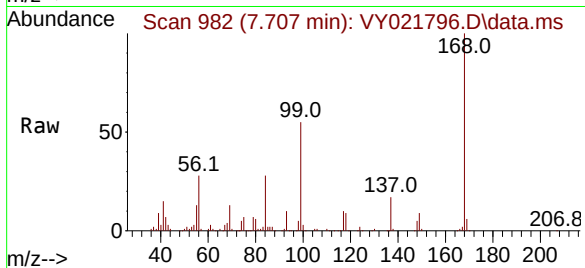
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 168 Resp: 20255
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1

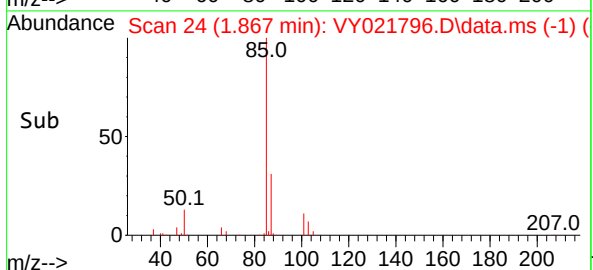
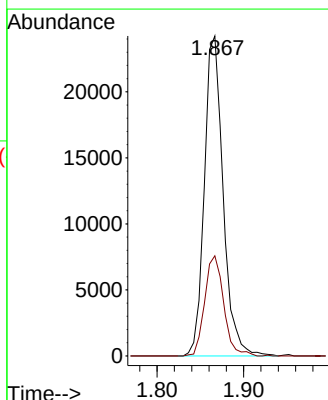
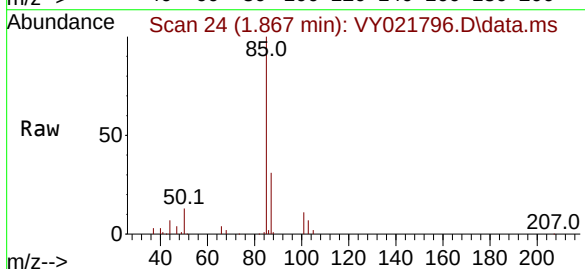
Manual Integrations
APPROVED

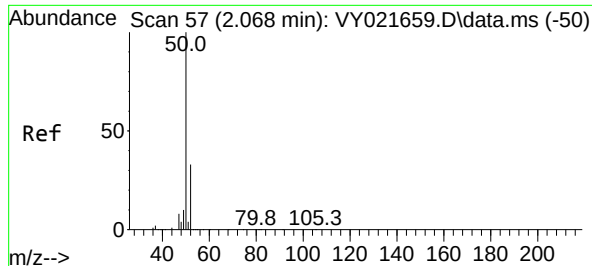
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#2
Dichlorodifluoromethane
Concen: 17.377 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

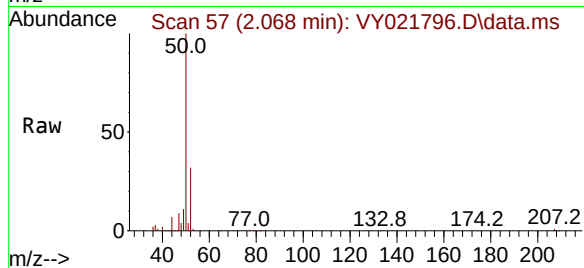
Tgt Ion: 85 Resp: 36481
Ion Ratio Lower Upper
85 100
87 31.3 16.2 48.6





#3
Chloromethane
Concen: 20.037 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

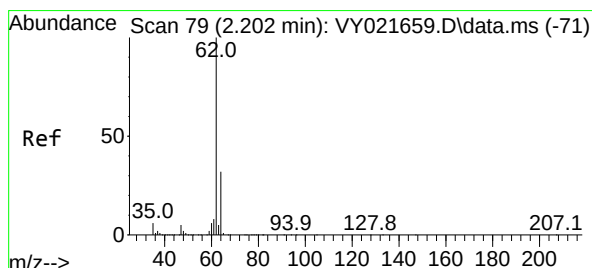
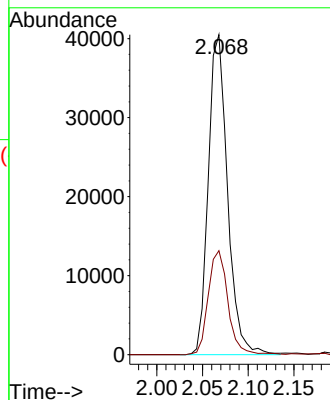
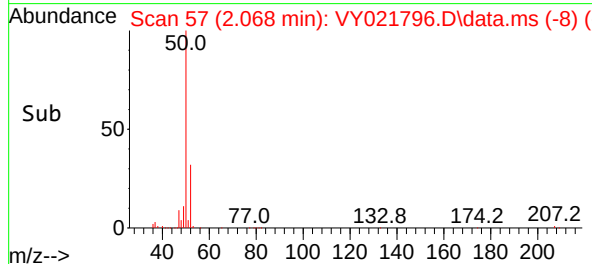
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



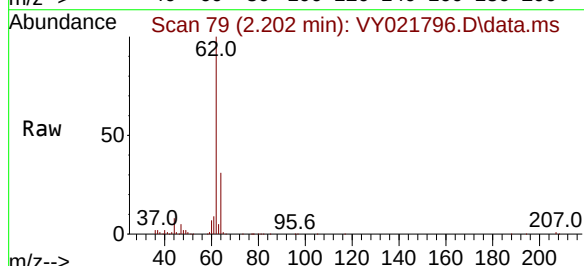
Tgt Ion: 50 Resp: 5915
Ion Ratio Lower Upper
50 100
52 32.5 26.3 39.5

Manual Integrations
APPROVED

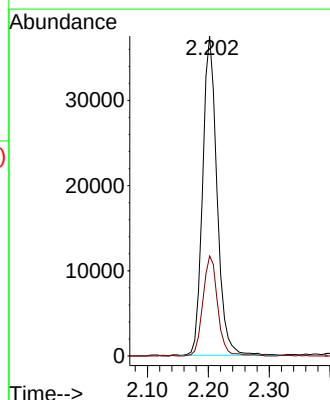
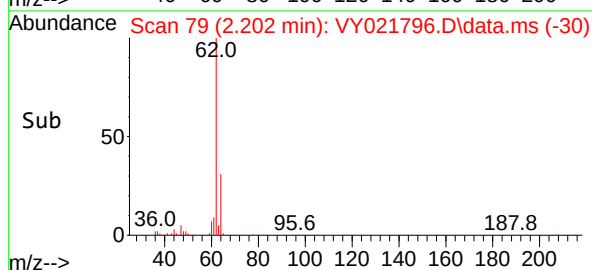
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

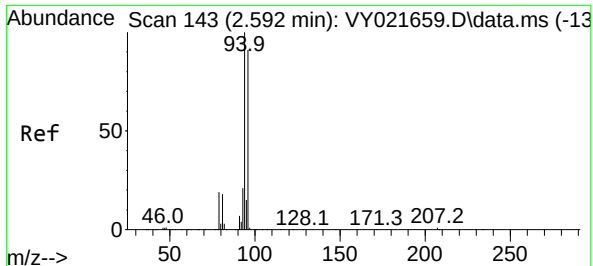


#4
Vinyl Chloride
Concen: 18.425 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



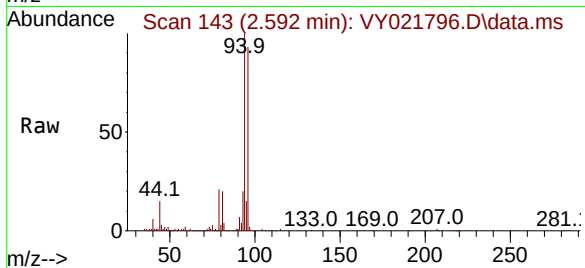
Tgt Ion: 62 Resp: 61511
Ion Ratio Lower Upper
62 100
64 31.3 25.5 38.3





#5
Bromomethane
Concen: 21.494 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

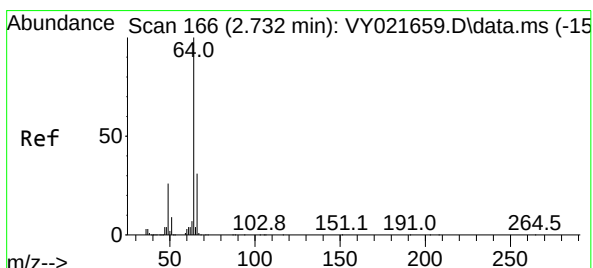
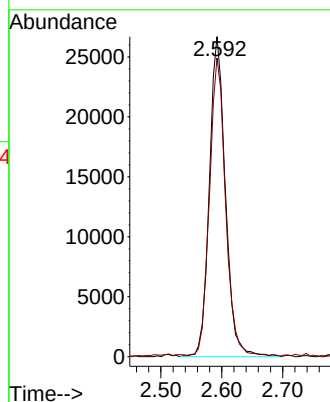
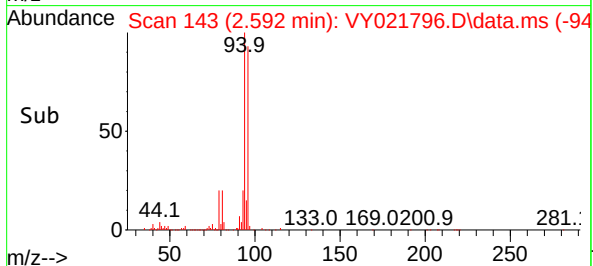
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



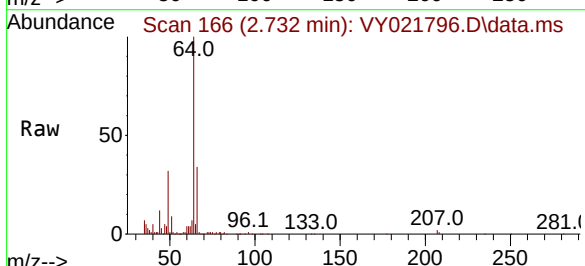
Tgt Ion: 94 Resp: 4894
Ion Ratio Lower Upper
94 100
96 93.1 72.8 109.2

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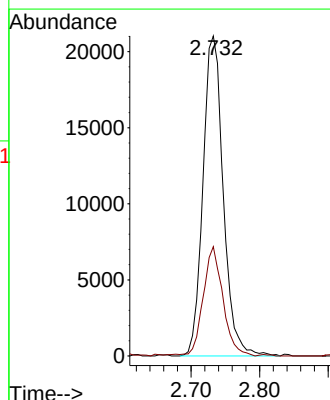
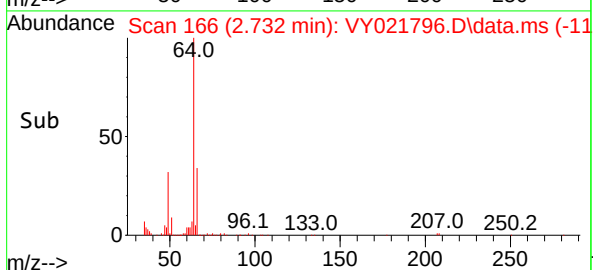
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

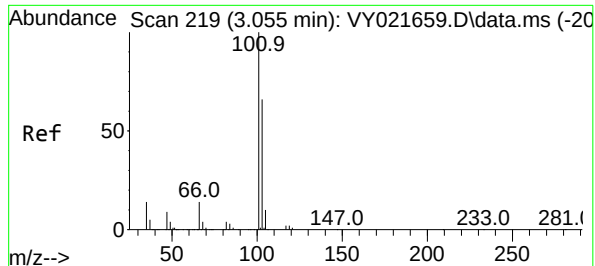


#6
Chloroethane
Concen: 19.831 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



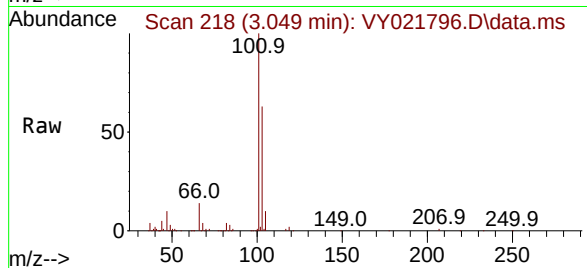
Tgt Ion: 64 Resp: 43322
Ion Ratio Lower Upper
64 100
66 34.2 24.9 37.3





#7
Trichlorofluoromethane
Concen: 18.961 ug/l
RT: 3.049 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

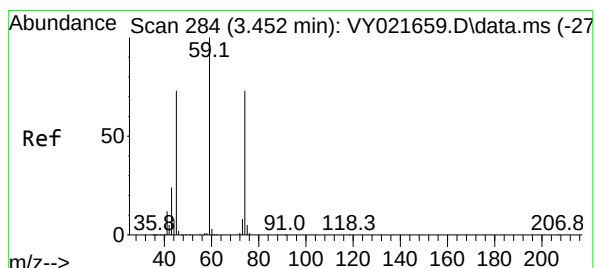
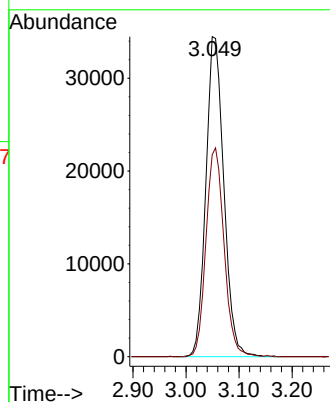
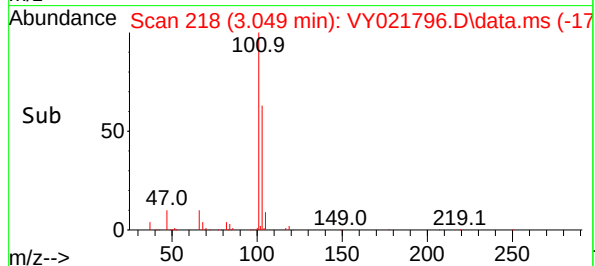
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



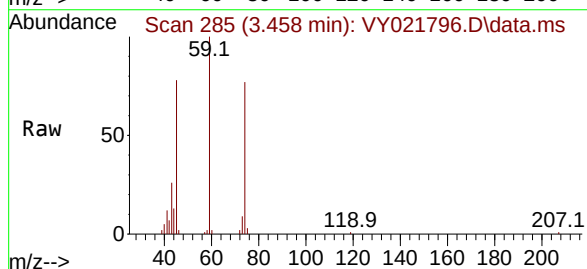
Tgt Ion: 101 Resp: 81090
Ion Ratio Lower Upper
101 100
103 63.1 53.1 79.7

Manual Integrations
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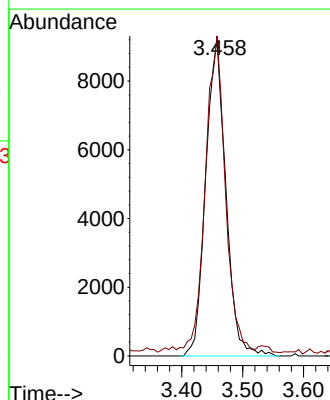
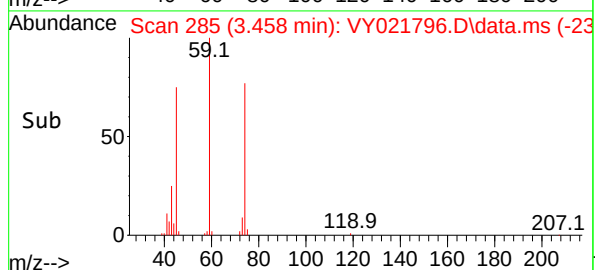
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

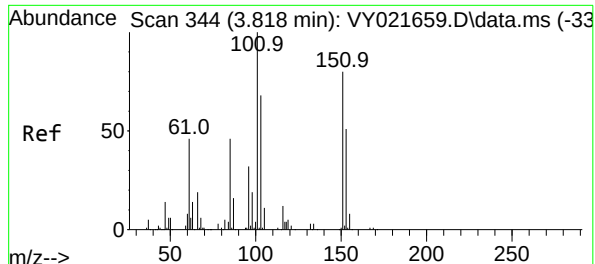


#8
Diethyl Ether
Concen: 18.227 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



Tgt Ion: 74 Resp: 21199
Ion Ratio Lower Upper
74 100
45 97.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.776 ug/l

RT: 3.811 min Scan# 344

Delta R.T. -0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

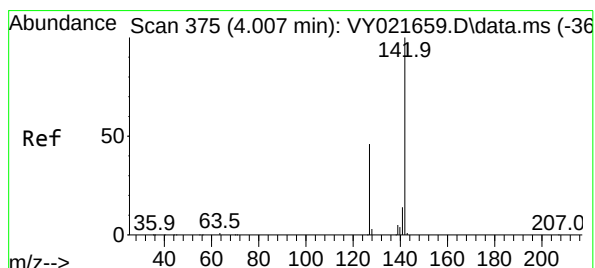
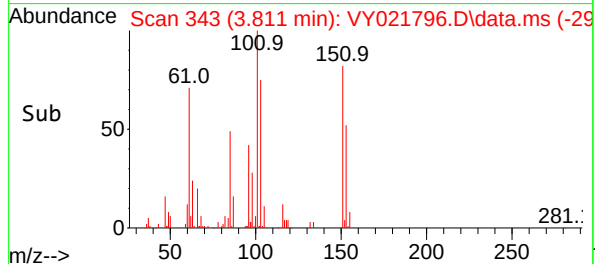
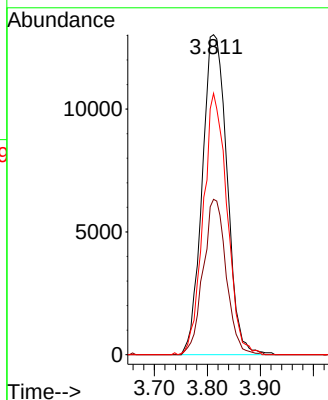
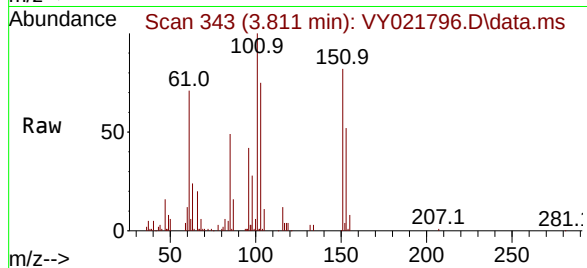
VY0407SBS01

Tgt Ion:	101	Resp:	4235
Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.3	54.5
151	78.2	61.3	91.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#10

Methyl Iodide

Concen: 17.931 ug/l

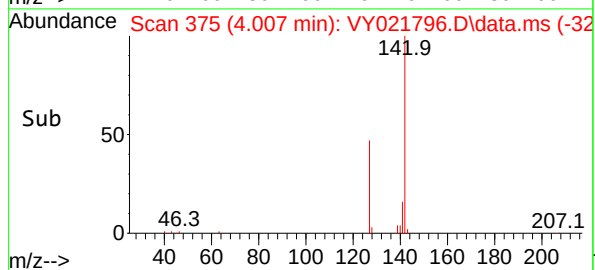
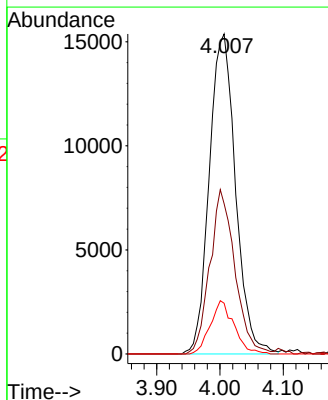
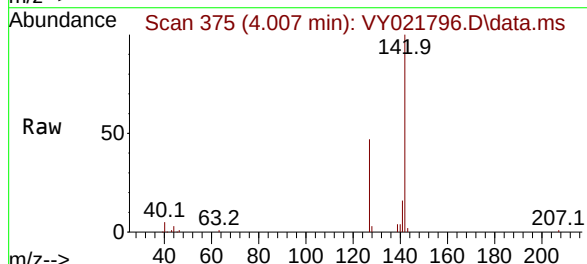
RT: 4.007 min Scan# 375

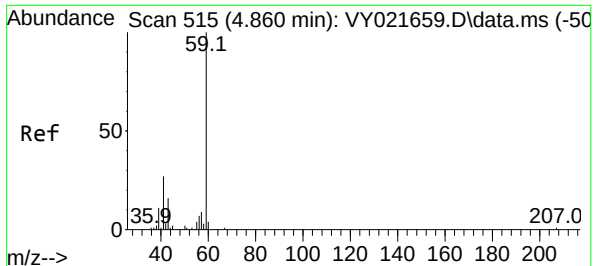
Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	142	Resp:	44371
Ion	Ratio	Lower	Upper
142	100		
127	48.7	38.7	58.1
141	15.1	11.5	17.3





#11

Tert butyl alcohol

Concen: 85.320 ug/l

RT: 4.891 min Scan# 515

Delta R.T. 0.031 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 59 Resp: 1216

Ion Ratio Lower Upper

59 100

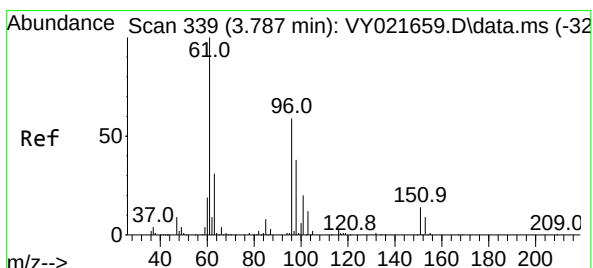
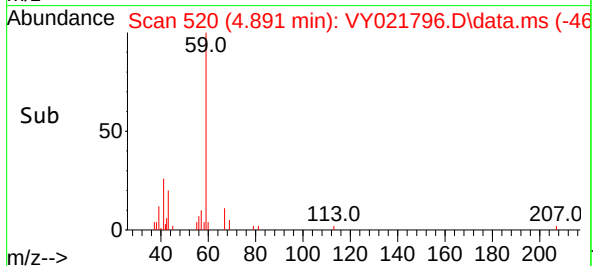
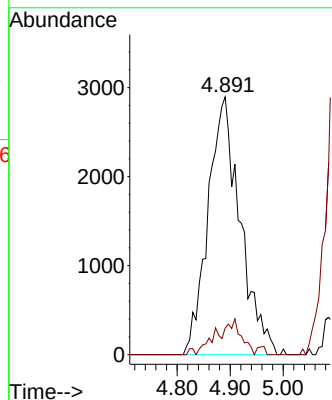
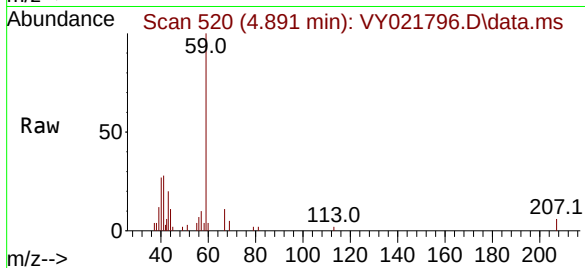
57 6.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#12

1,1-Dichloroethene

Concen: 18.247 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

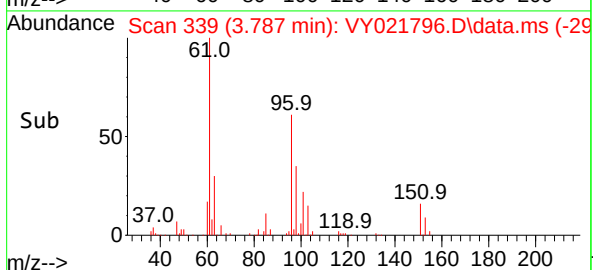
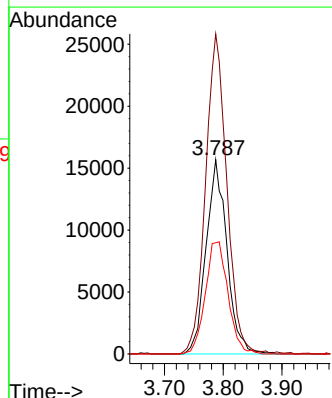
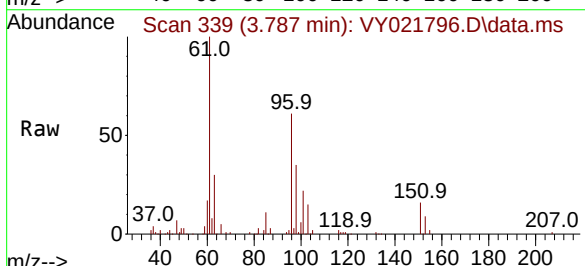
Tgt Ion: 96 Resp: 38767

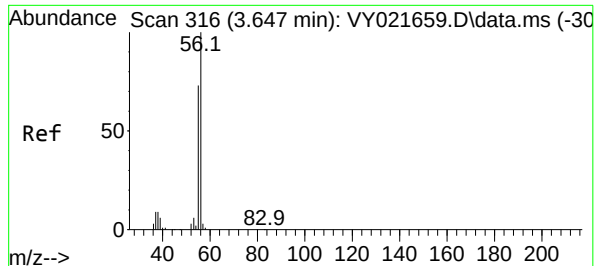
Ion Ratio Lower Upper

96 100

61 164.7 136.6 204.8

98 57.3 52.3 78.5





#13

Acrolein

Concen: 49.166 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 56 Resp: 1279

Ion Ratio Lower Upper

56

100

55

69.0

56.6

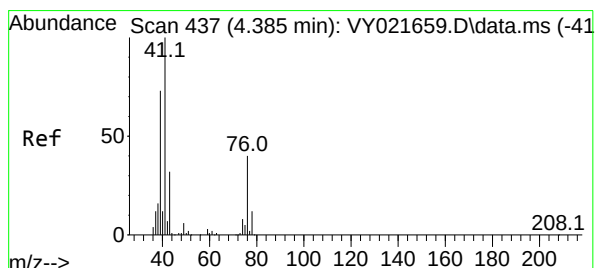
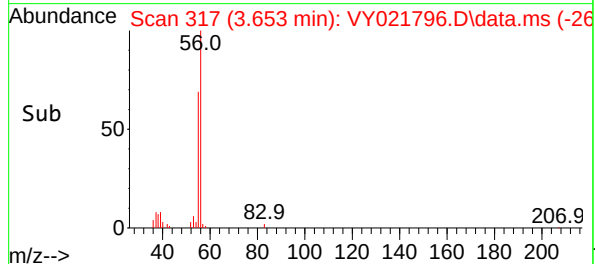
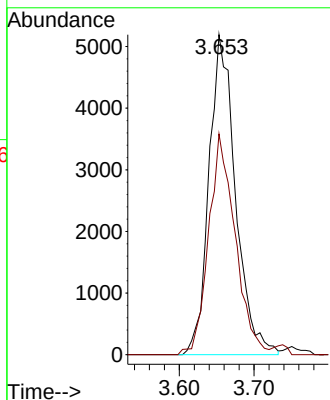
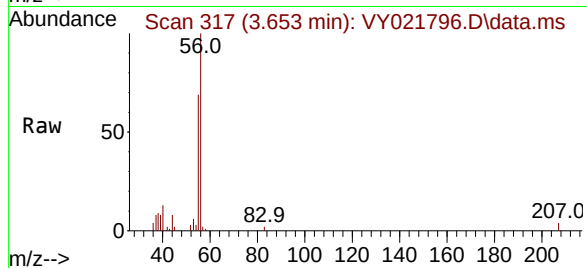
85.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#14

Allyl chloride

Concen: 18.233 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 61765

Ion Ratio Lower Upper

41

100

39

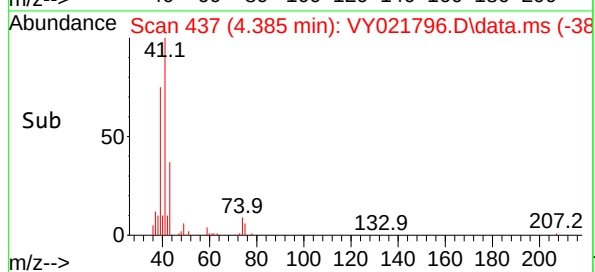
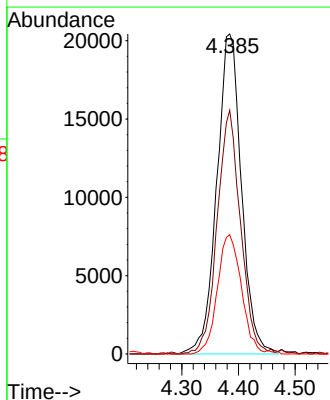
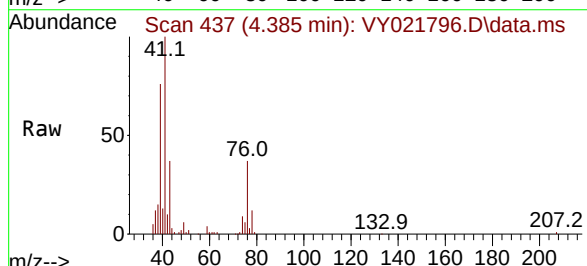
72.0

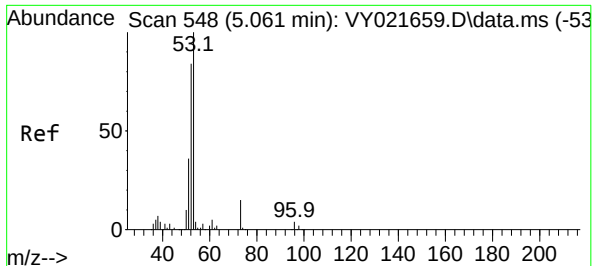
76

36.5

30.3

45.5





#15

Acrylonitrile

Concen: 96.790 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

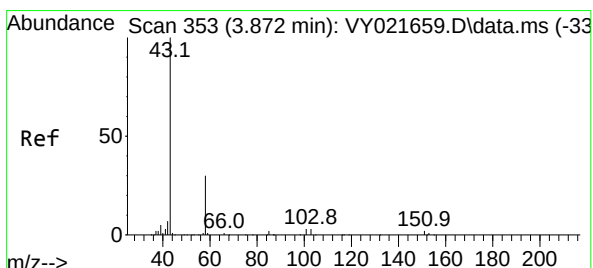
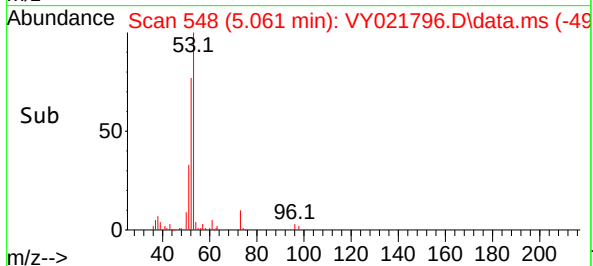
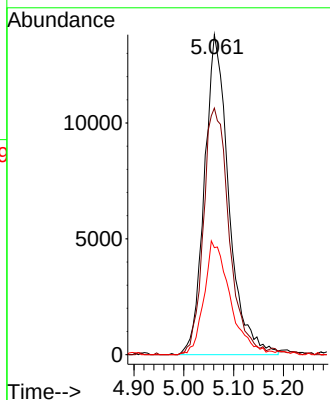
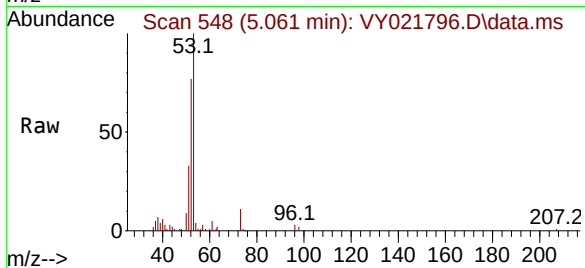
ClientSampleId :

VY0407SBS01

Tgt Ion: 53	Resp: 4700
Ion Ratio	Lower Upper
53 100	
52 80.9	64.9 97.3
51 38.1	30.2 45.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#16

Acetone

Concen: 73.773 ug/l

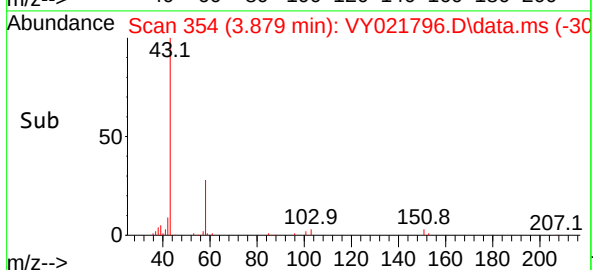
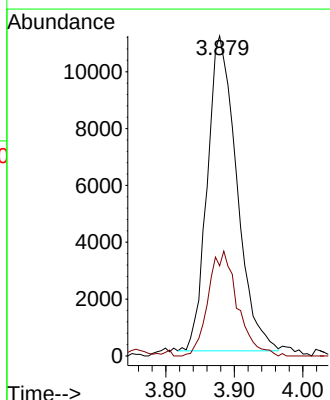
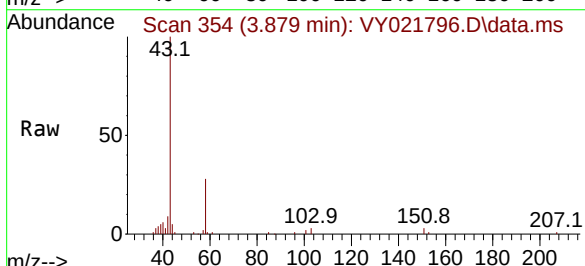
RT: 3.879 min Scan# 354

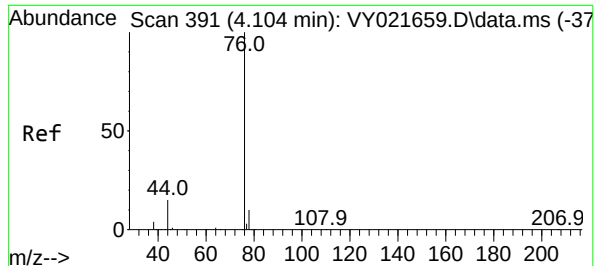
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

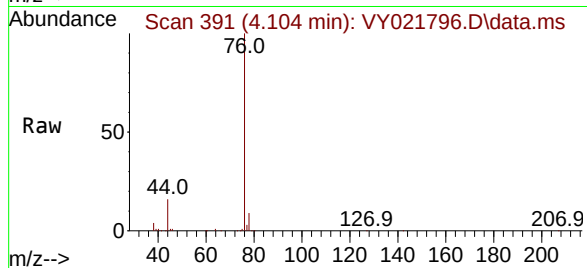
Tgt Ion: 43	Resp: 33135
Ion Ratio	Lower Upper
43 100	
58 28.6	24.2 36.4





#17
Carbon Disulfide
Concen: 17.610 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

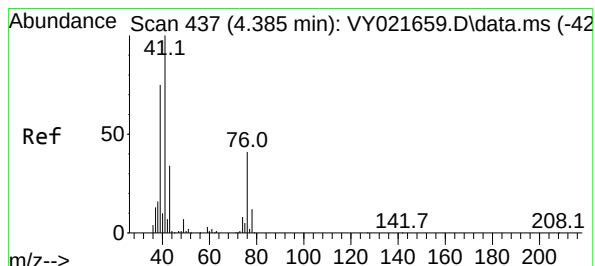
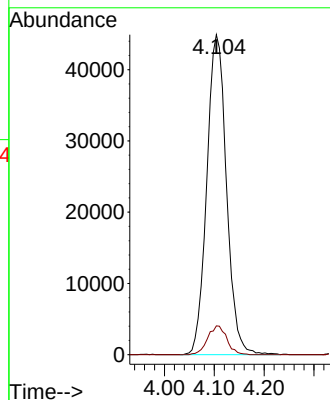
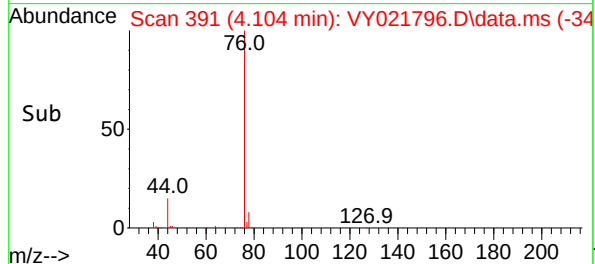
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



Tgt Ion: 76 Resp: 12323
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

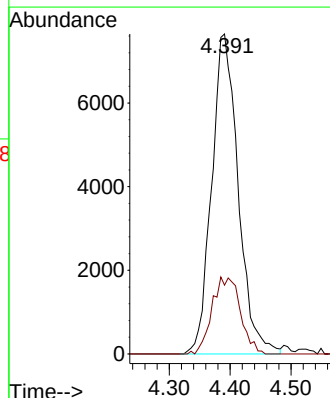
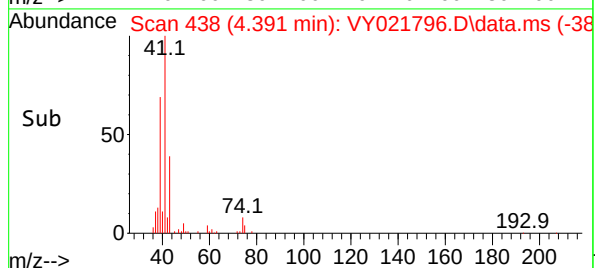
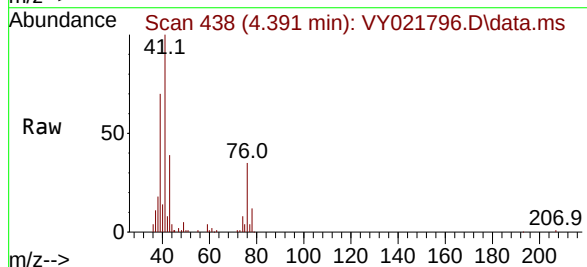
Manual Integrations
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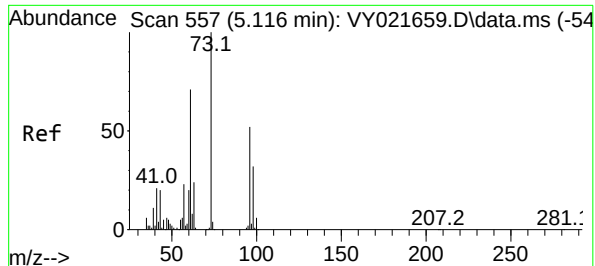
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#18
Methyl Acetate
Concen: 20.791 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 23144
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.352 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 73 Resp: 97072

Ion Ratio Lower Upper

73 100

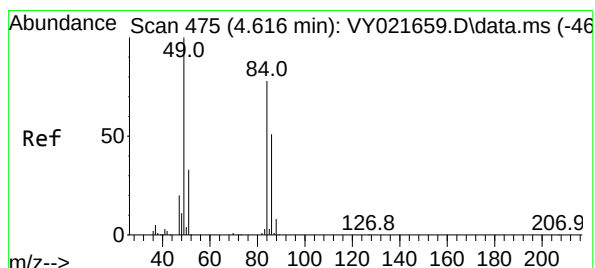
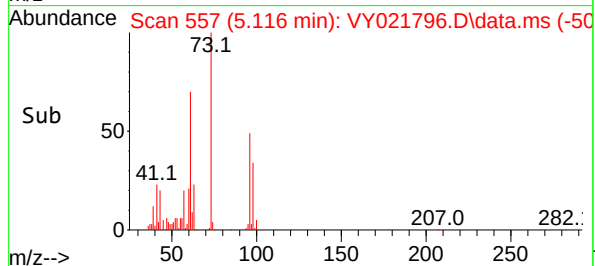
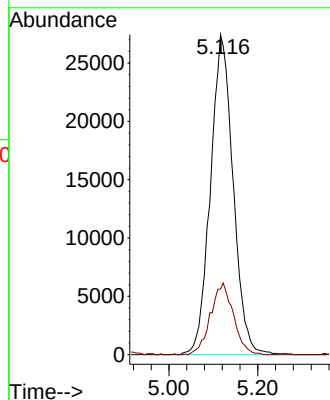
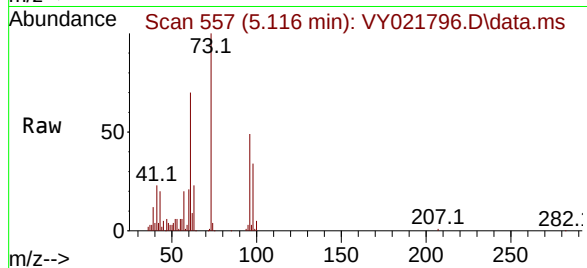
57 20.5 18.1 27.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#20

Methylene Chloride

Concen: 19.254 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion: 84 Resp: 47543

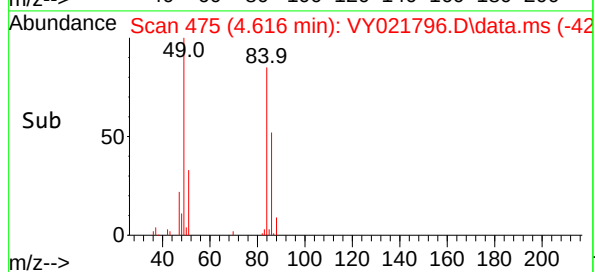
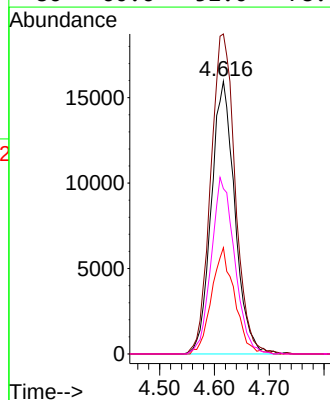
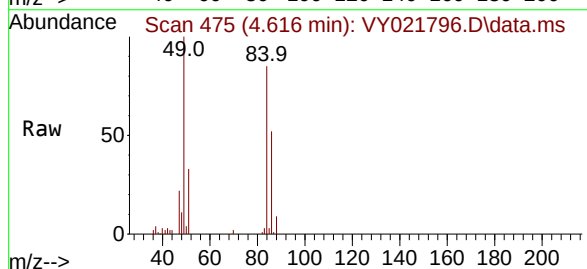
Ion Ratio Lower Upper

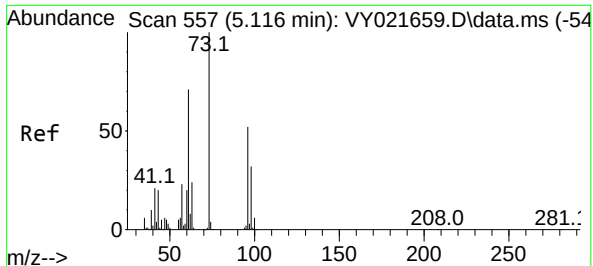
84 100

49 117.4 102.8 154.2

51 39.0 33.5 50.3

86 60.6 52.0 78.0





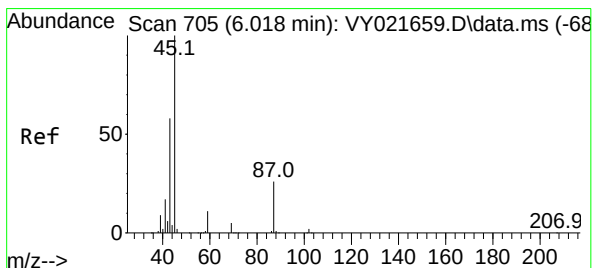
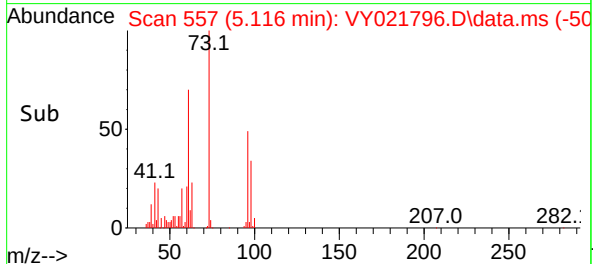
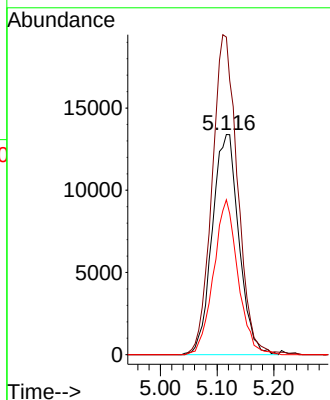
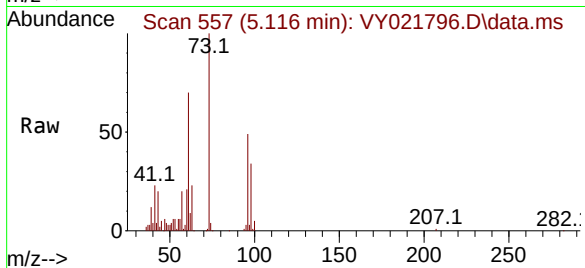
#21
trans-1,2-Dichloroethene
Concen: 18.687 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 96 Resp: 4371
Ion Ratio Lower Upper
96 100
61 144.3 109.4 164.0
98 70.4 50.2 75.2

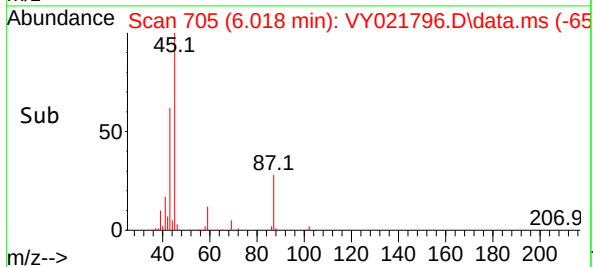
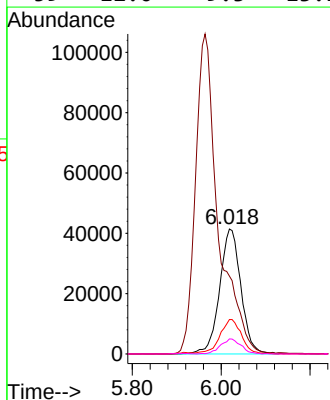
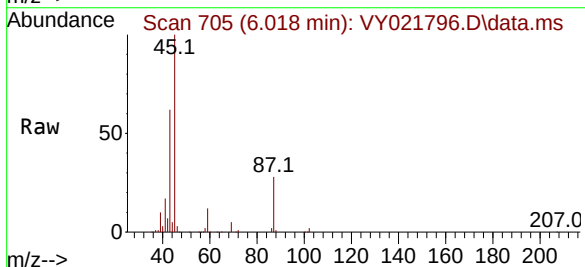
Manual Integrations
APPROVED

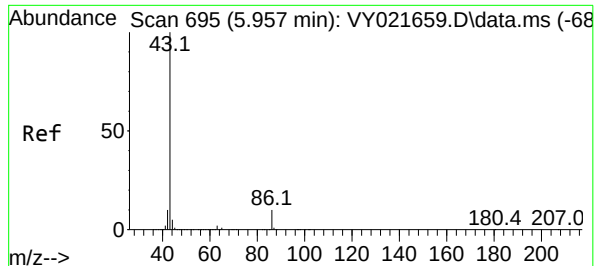
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#22
Diisopropyl ether
Concen: 19.324 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 45 Resp: 137320
Ion Ratio Lower Upper
45 100
43 61.3 46.6 69.8
87 27.5 20.7 31.1
59 12.0 9.3 13.9





#23

Vinyl Acetate

Concen: 90.951 ug/l

RT: 5.964 min Scan# 695

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 43 Resp: 37808

Ion Ratio Lower Upper

43

100

86

10.8

8.2

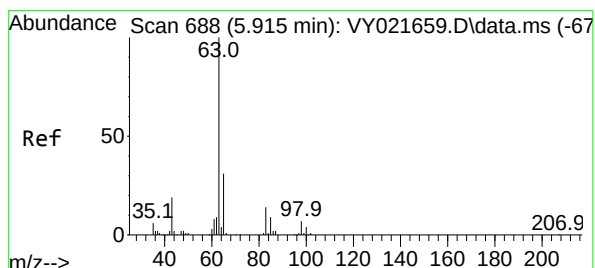
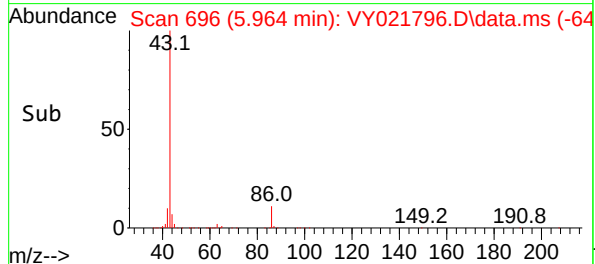
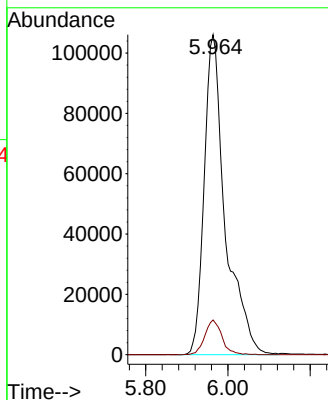
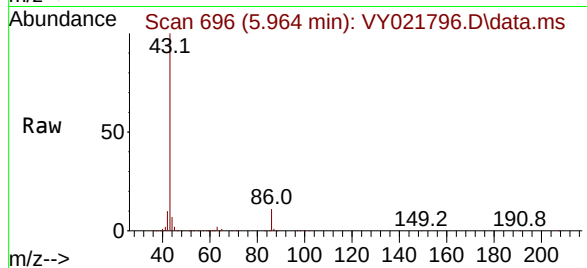
12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#24

1,1-Dichloroethane

Concen: 19.127 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 81273

Ion Ratio Lower Upper

63

100

98

6.9

3.5

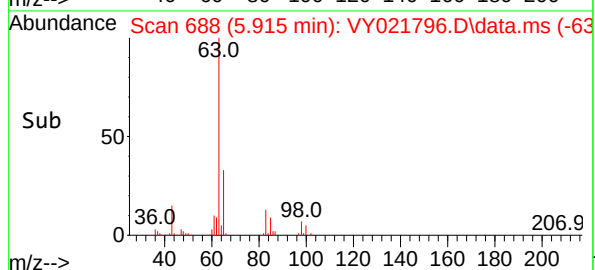
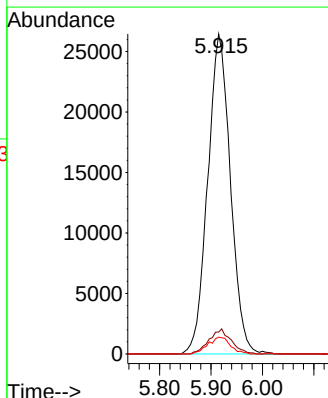
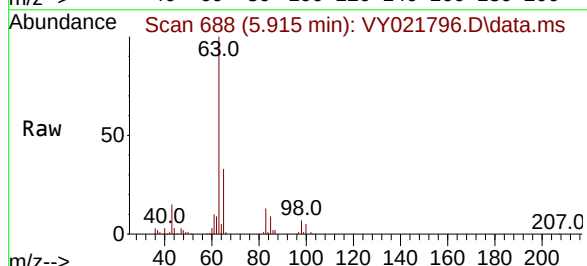
10.5

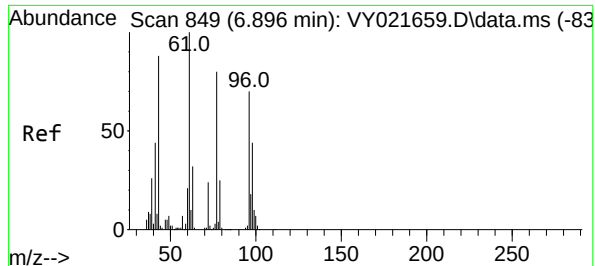
100

5.3

2.2

6.6





#25

2-Butanone

Concen: 85.526 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 43 Resp: 5486

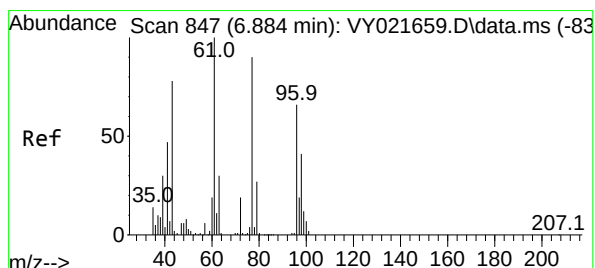
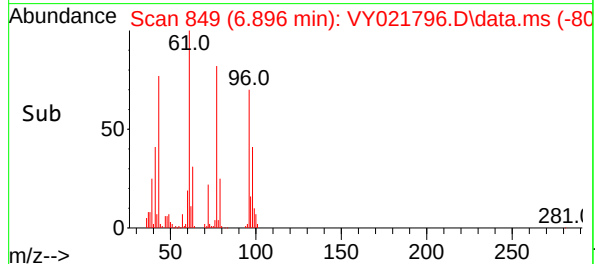
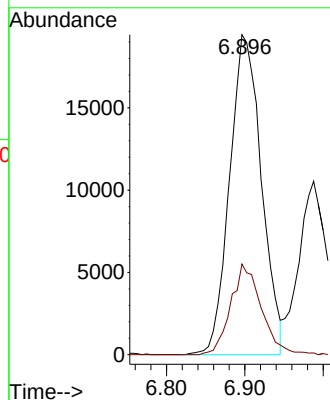
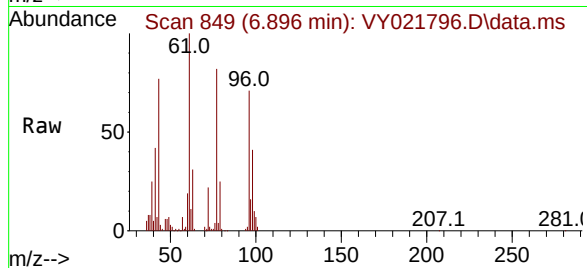
Ion Ratio Lower Upper

43 100

72 28.3 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#26

2,2-Dichloropropane

Concen: 17.837 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021796.D

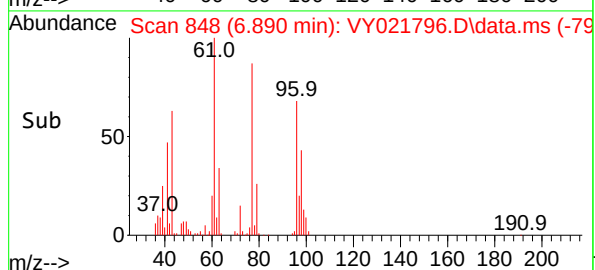
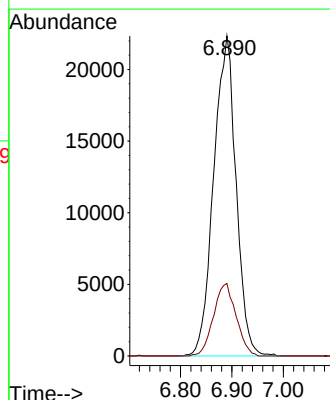
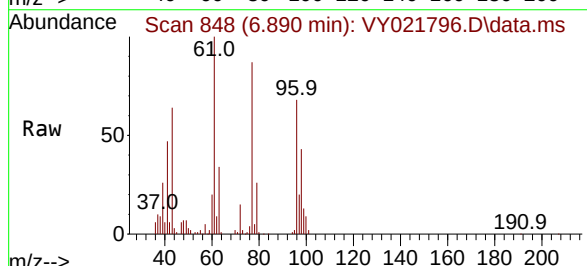
Acq: 07 Apr 2025 14:07

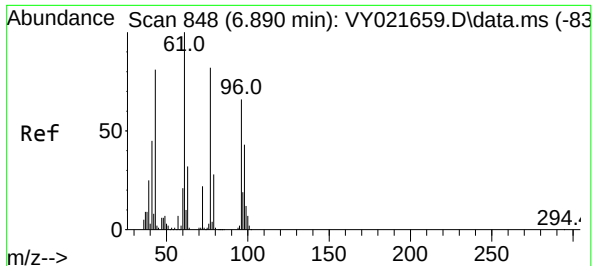
Tgt Ion: 77 Resp: 67416

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 18.874 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

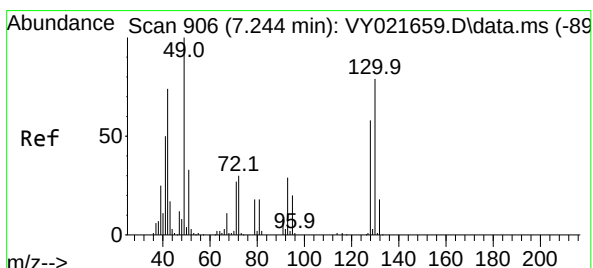
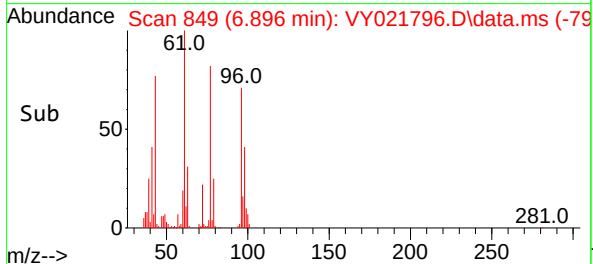
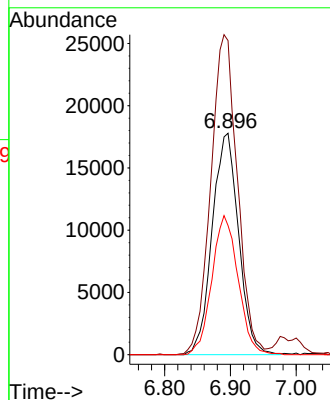
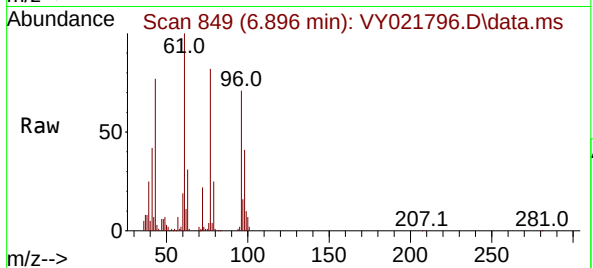
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:	96	Resp:	4965
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	296.4
98	62.6	0.0	128.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#28

Bromochloromethane

Concen: 19.870 ug/l

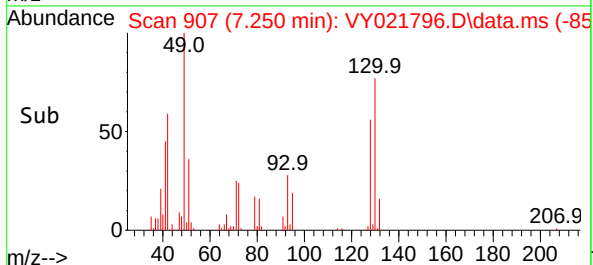
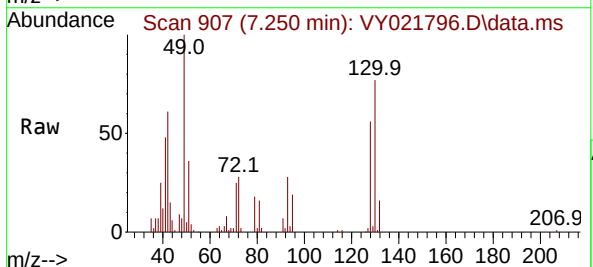
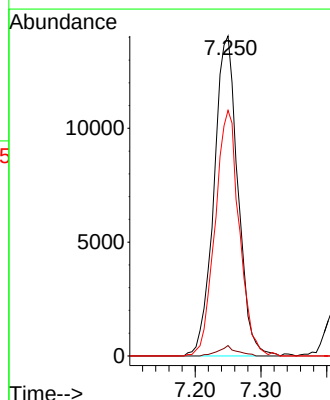
RT: 7.250 min Scan# 907

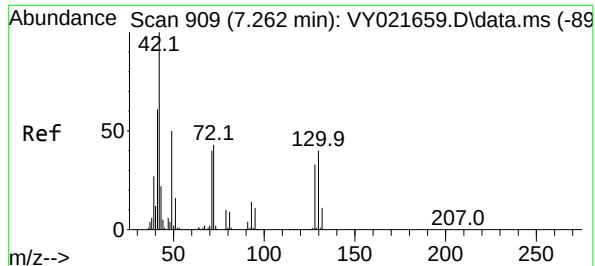
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	49	Resp:	35606
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	77.4	60.1	90.1





#29

Tetrahydrofuran

Concen: 91.436 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

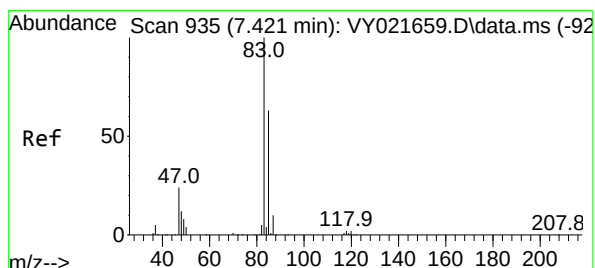
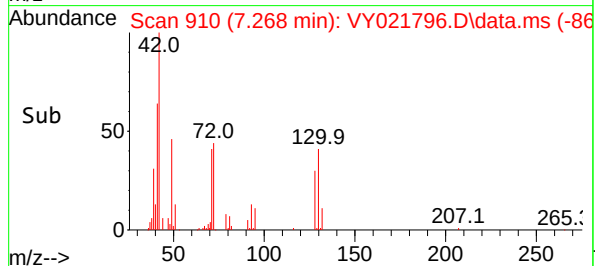
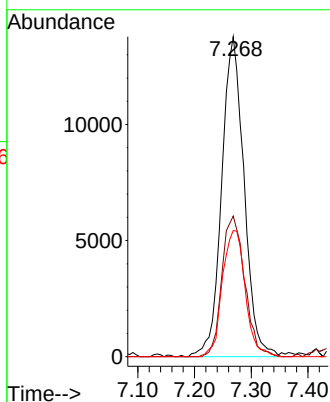
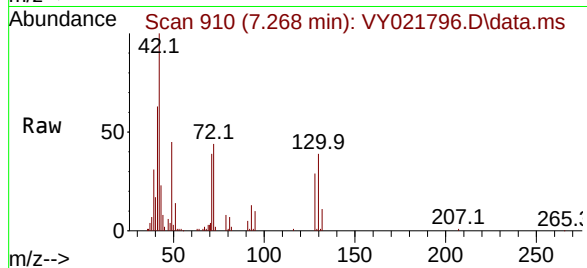
ClientSampleId :

VY0407SBS01

Tgt Ion:	42	Resp:	3775
Ion Ratio	Lower	Upper	
42	100		
72	44.7	34.6	52.0
71	40.4	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#30

Chloroform

Concen: 19.386 ug/l

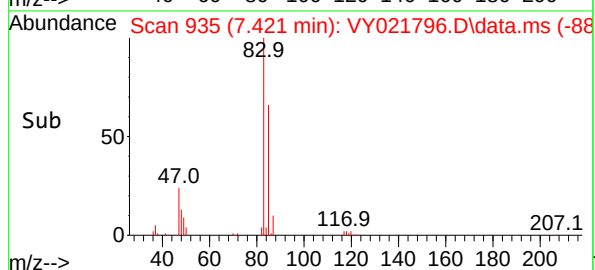
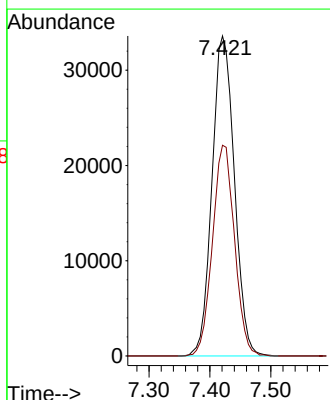
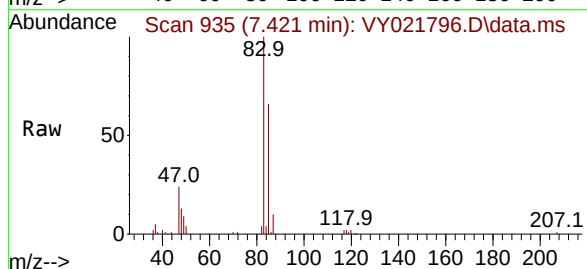
RT: 7.421 min Scan# 935

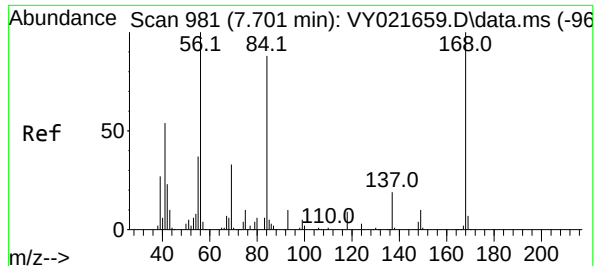
Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	83	Resp:	85674
Ion Ratio	Lower	Upper	
83	100		
85	65.9	50.6	75.8





#31

Cyclohexane

Concen: 17.333 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 56 Resp: 6713

Ion Ratio Lower Upper

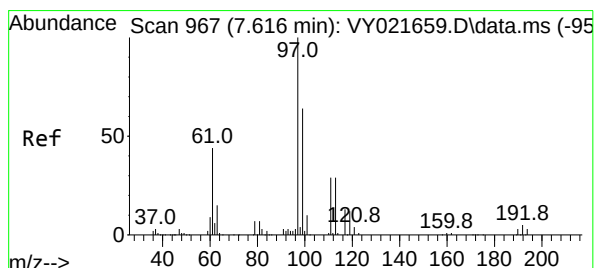
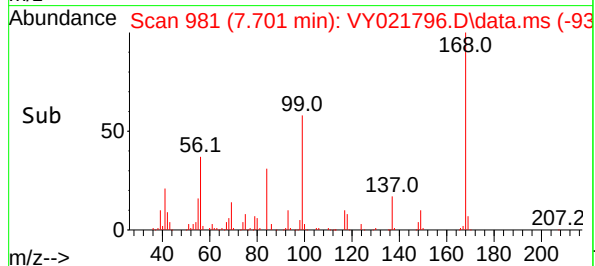
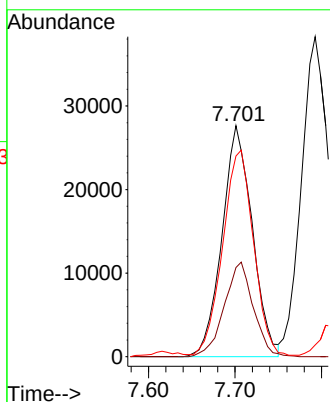
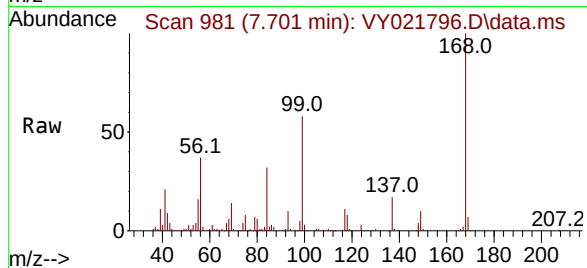
56 100

69 38.2 26.6 40.0

84 85.2 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#32

1,1,1-Trichloroethane

Concen: 18.687 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

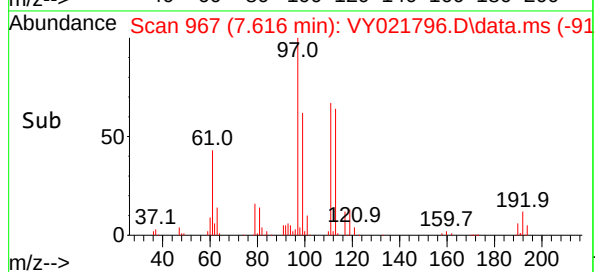
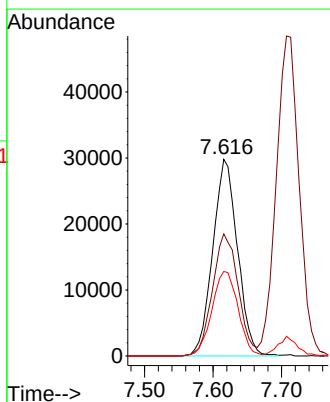
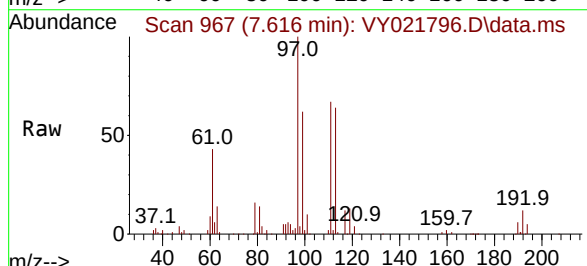
Tgt Ion: 97 Resp: 74644

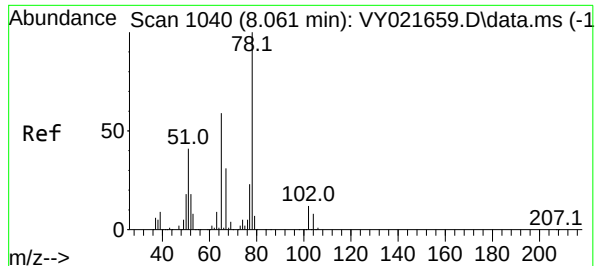
Ion Ratio Lower Upper

97 100

99 64.6 50.7 76.1

61 45.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 51.360 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 65 Resp: 112714

Ion Ratio Lower Upper

65 100

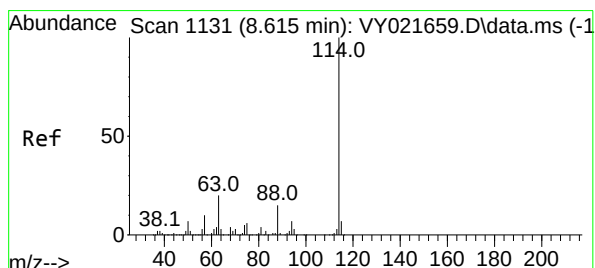
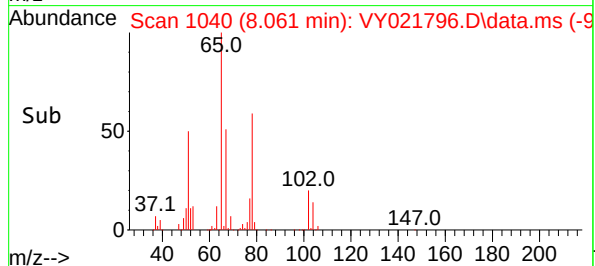
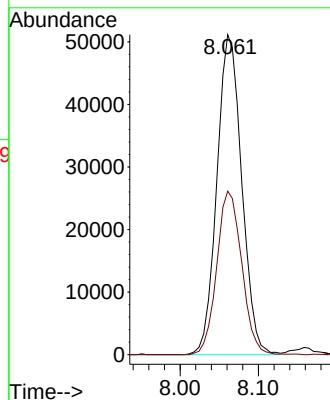
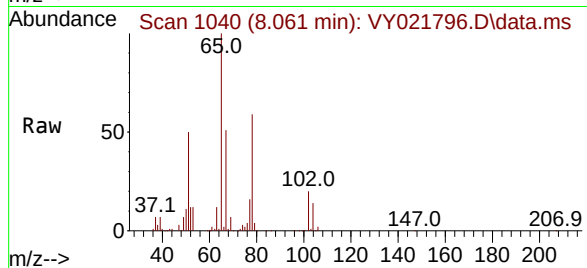
67 51.4 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

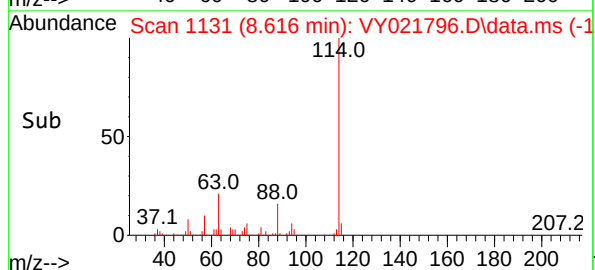
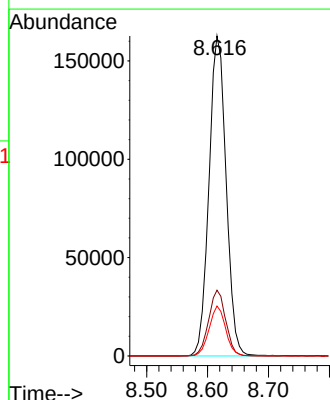
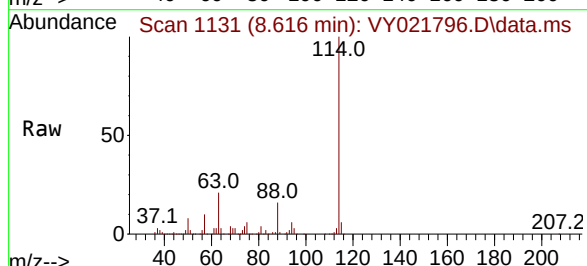
Tgt Ion:114 Resp: 317911

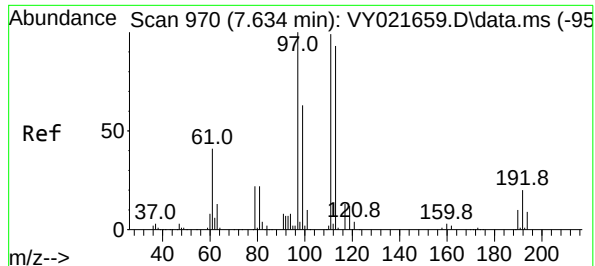
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.6 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.133 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:113 Resp: 10544

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

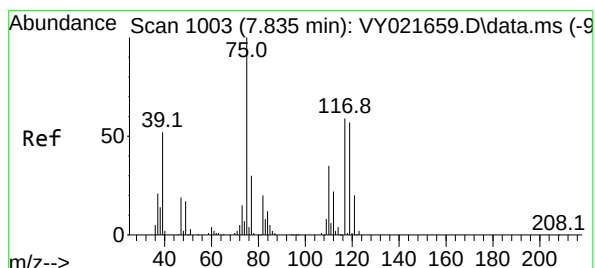
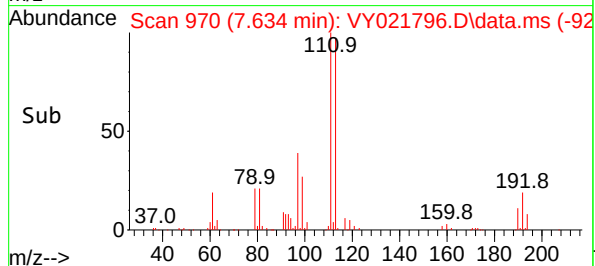
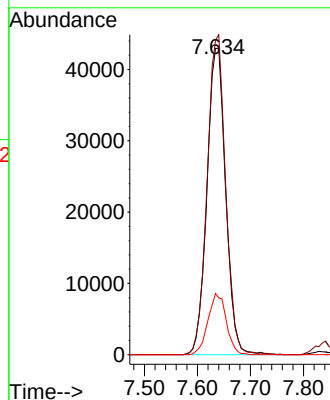
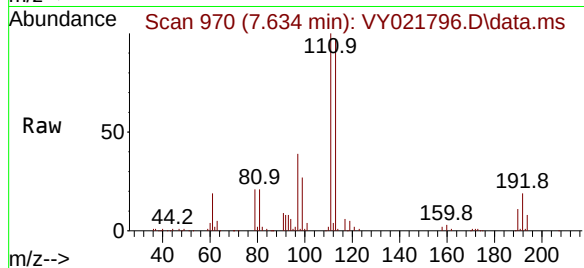
192 19.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#36

1,1-Dichloropropene

Concen: 18.597 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

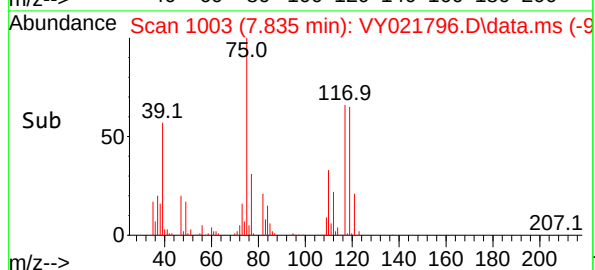
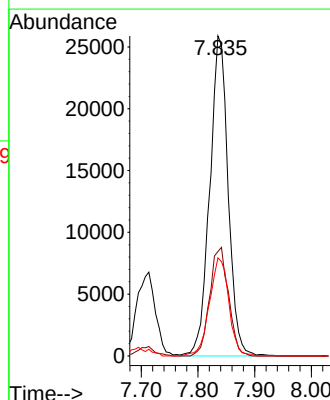
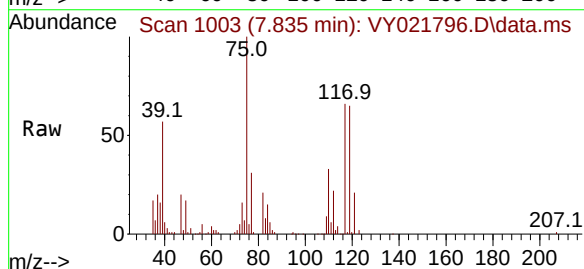
Tgt Ion: 75 Resp: 58414

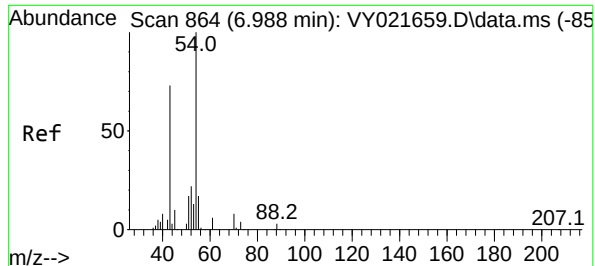
Ion Ratio Lower Upper

75 100

110 34.5 17.0 50.9

77 32.2 24.8 37.2





#37

Ethyl Acetate

Concen: 18.694 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

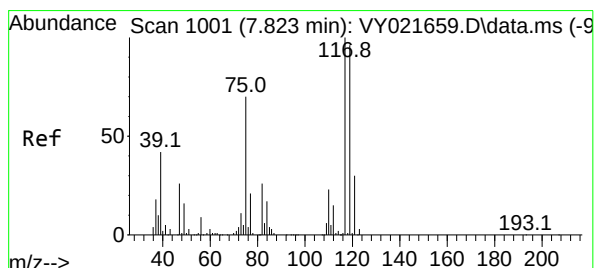
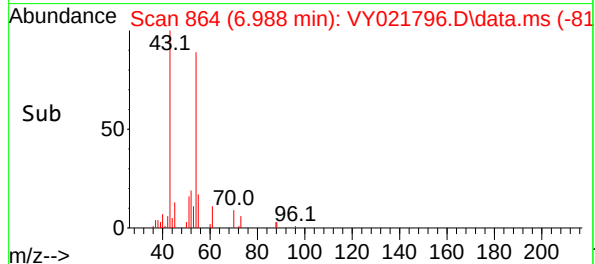
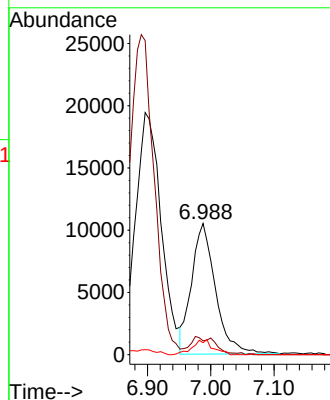
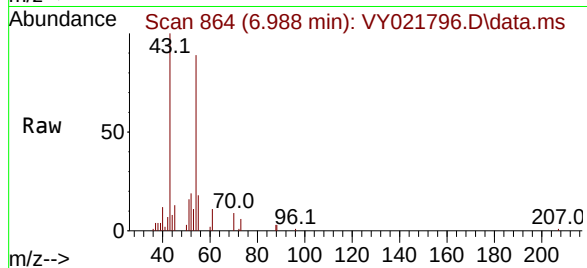
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:	43	Resp:	2771
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.0	16.6
70	9.6	8.1	12.1

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#38

Carbon Tetrachloride

Concen: 18.934 ug/l

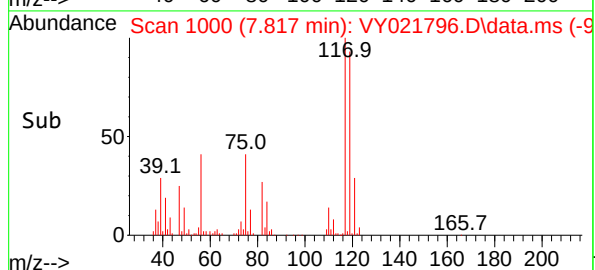
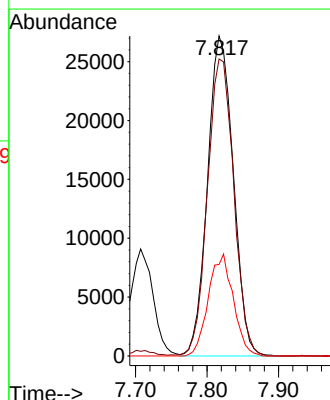
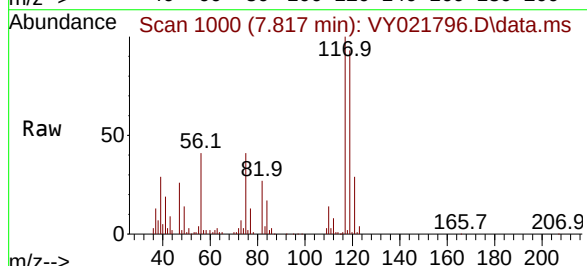
RT: 7.817 min Scan# 1000

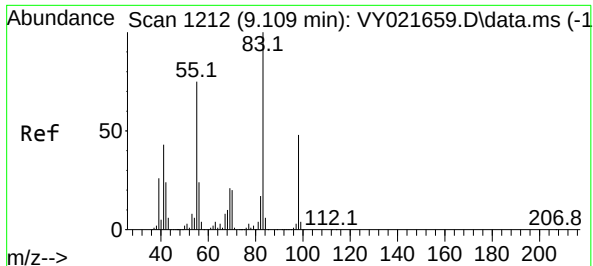
Delta R.T. -0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	117	Resp:	68118
Ion Ratio	Lower	Upper	
117	100		
119	92.8	76.2	114.4
121	28.6	24.2	36.4





#39

Methylcyclohexane

Concen: 17.939 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

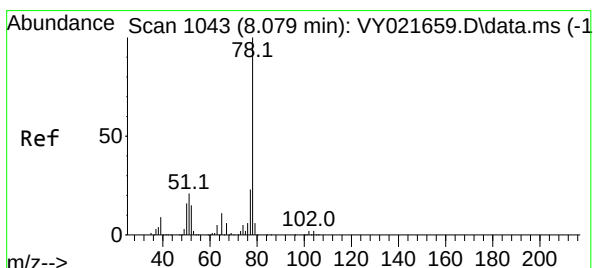
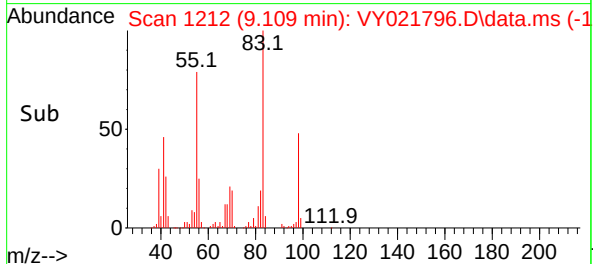
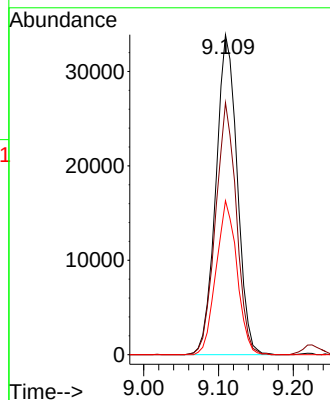
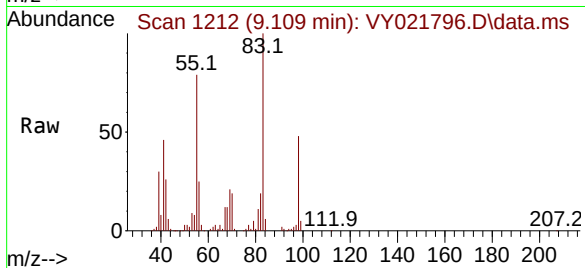
VY0407SBS01

Tgt Ion:	83	Resp:	6731
Ion	Ratio	Lower	Upper
83	100		
55	78.8	59.7	89.5
98	48.1	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#40

Benzene

Concen: 19.264 ug/l

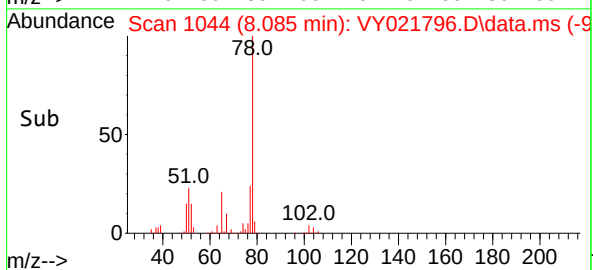
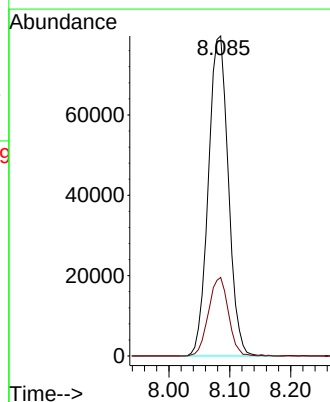
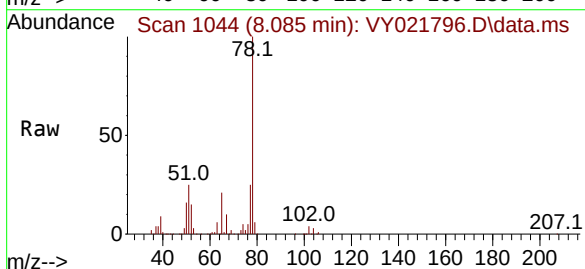
RT: 8.085 min Scan# 1044

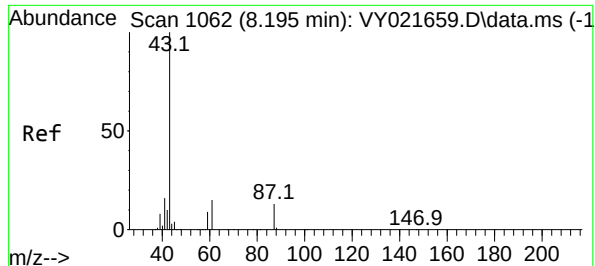
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	78	Resp:	181213
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





#43

Isopropyl Acetate

Concen: 18.225 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

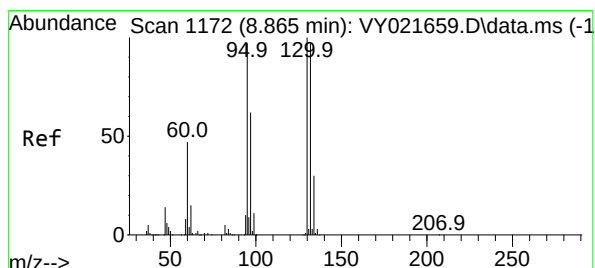
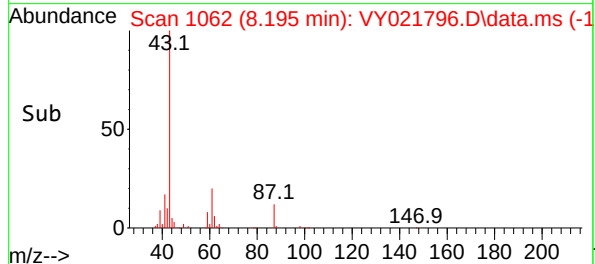
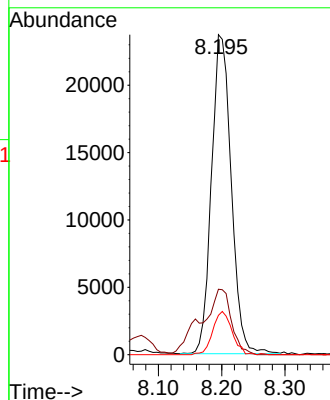
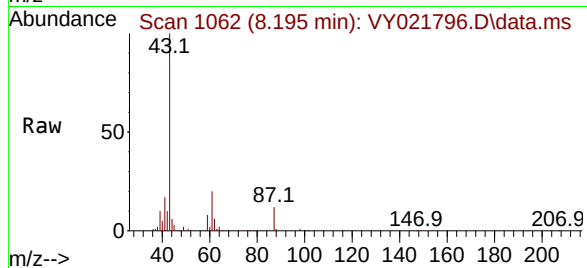
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 43	Resp: 5119
Ion Ratio	Lower Upper
43 100	
61 21.9	15.9 23.9
87 13.2	10.4 15.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#44

Trichloroethene

Concen: 20.156 ug/l

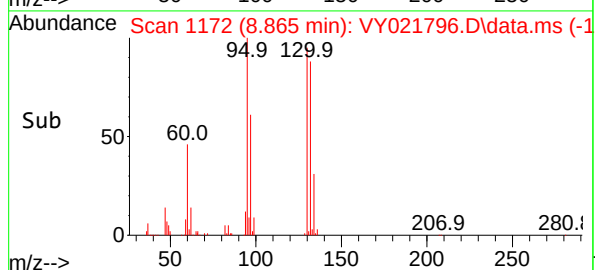
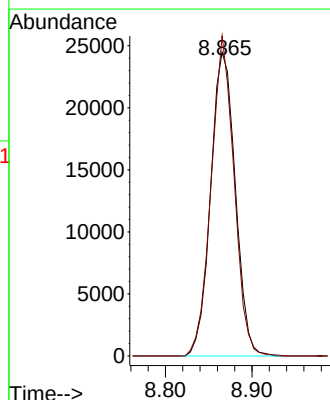
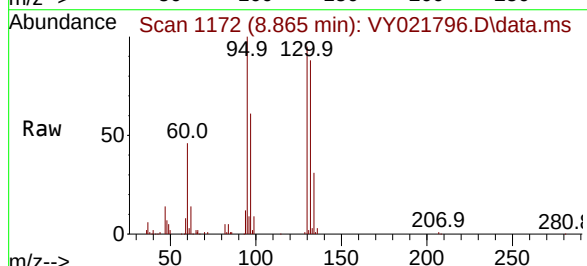
RT: 8.865 min Scan# 1172

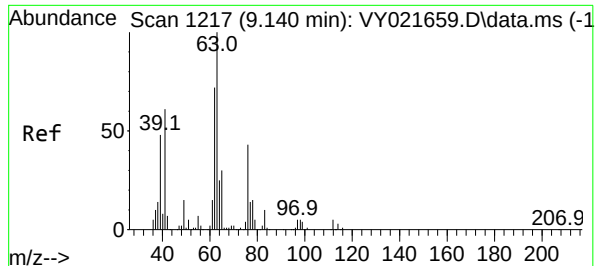
Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:130	Resp: 48310
Ion Ratio	Lower Upper
130 100	
95 105.3	0.0 194.8





#45

1,2-Dichloropropane

Concen: 19.451 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 63 Resp: 43310

Ion Ratio Lower Upper

63 100

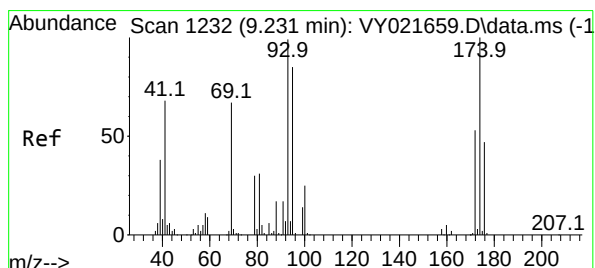
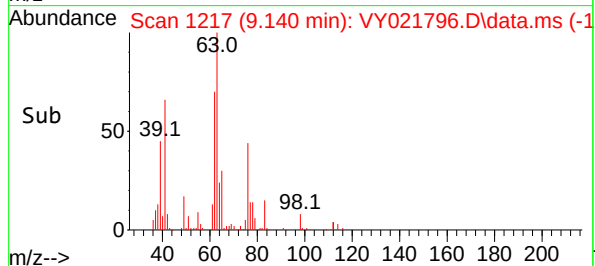
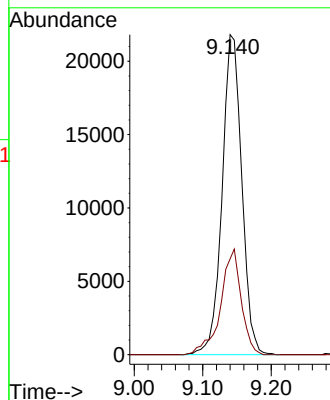
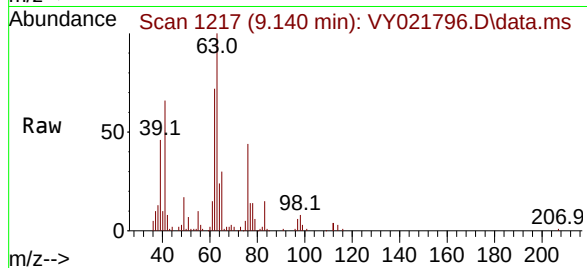
65 29.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#46

Dibromomethane

Concen: 19.965 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

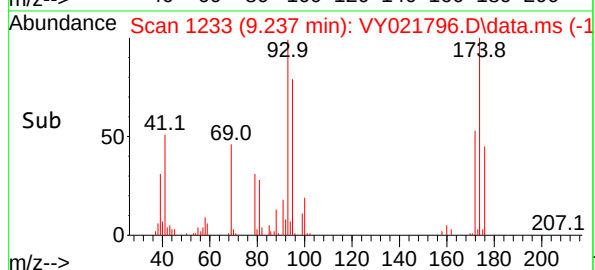
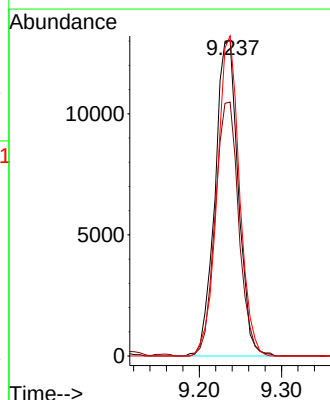
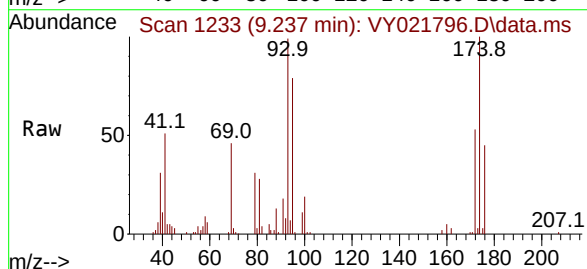
Tgt Ion: 93 Resp: 25621

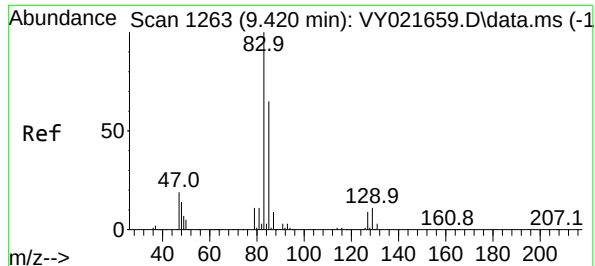
Ion Ratio Lower Upper

93 100

95 81.5 68.1 102.1

174 97.1 80.9 121.3





#47

Bromodichloromethane

Concen: 19.610 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

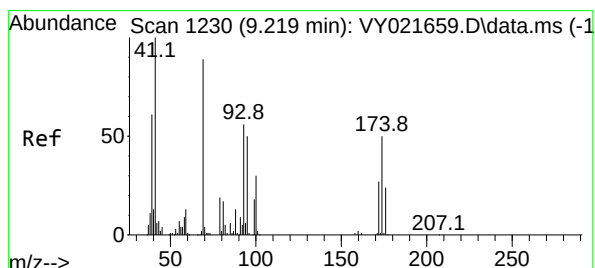
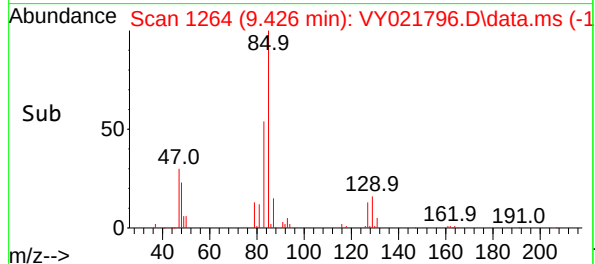
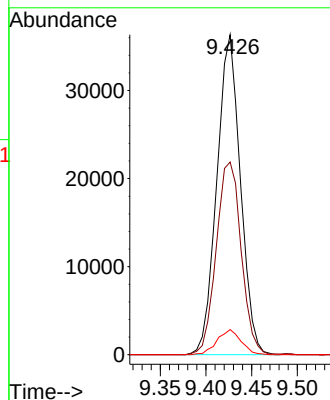
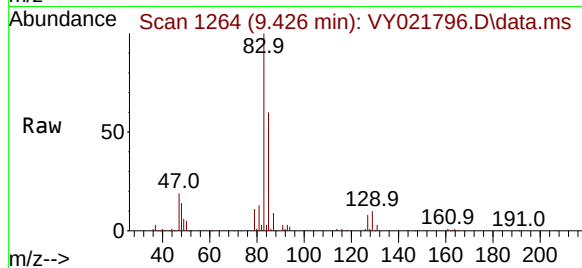
VY0407SBS01

Tgt Ion:	83	Resp:	65208
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.6
127	7.9	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#48

Methyl methacrylate

Concen: 18.008 ug/l

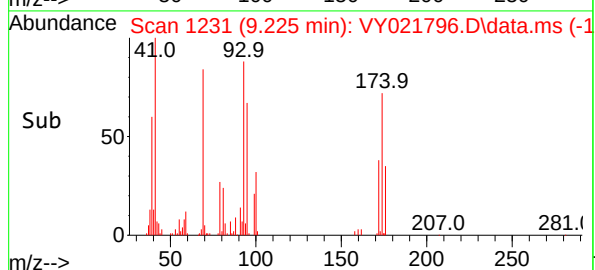
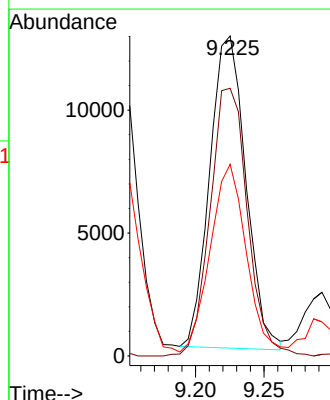
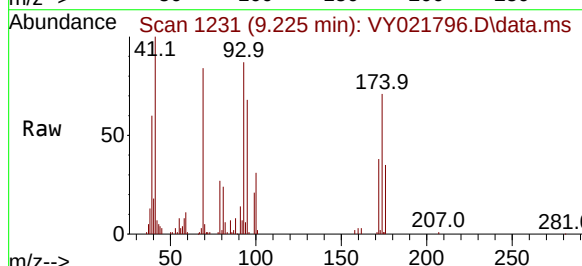
RT: 9.225 min Scan# 1231

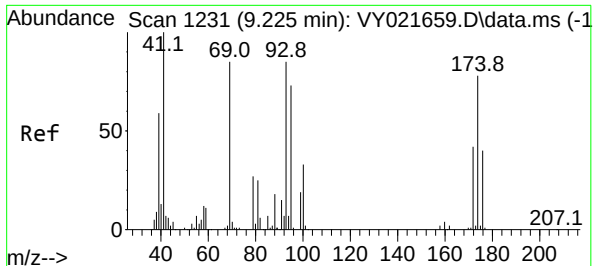
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	41	Resp:	23219
Ion	Ratio	Lower	Upper
41	100		
69	89.0	69.8	104.8
39	60.4	47.2	70.8





#49

1,4-Dioxane

Concen: 351.345 ug/l

RT: 9.243 min Scan# 1231

Delta R.T. 0.018 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

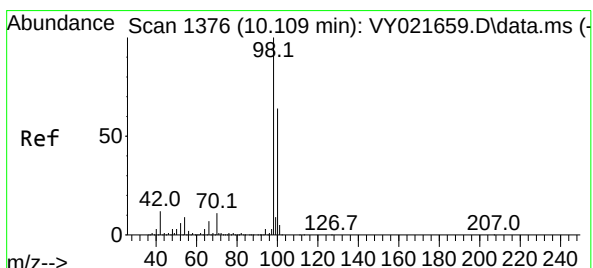
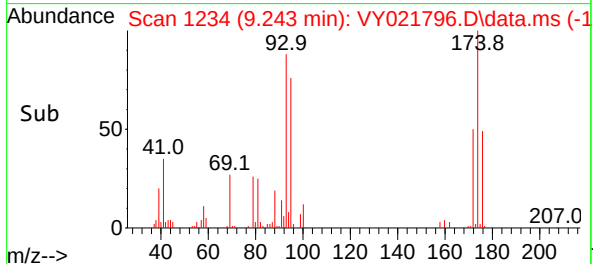
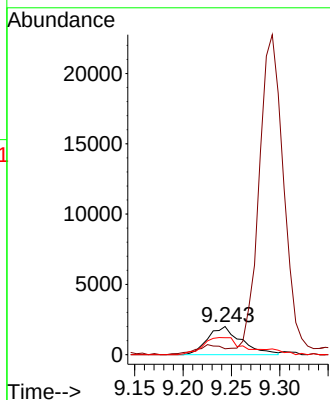
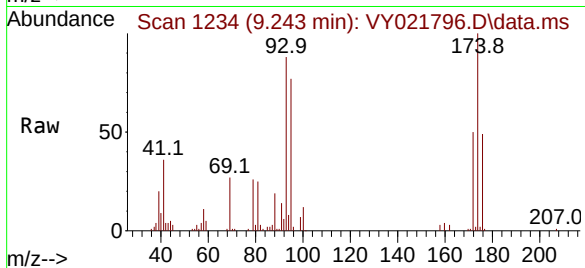
VY0407SBS01

Tgt Ion:	88	Resp:	4830
Ion	Ratio	Lower	Upper
88	100		
43	27.8	28.8	43.2
58	69.6	59.4	89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#50

Toluene-d8

Concen: 51.267 ug/l

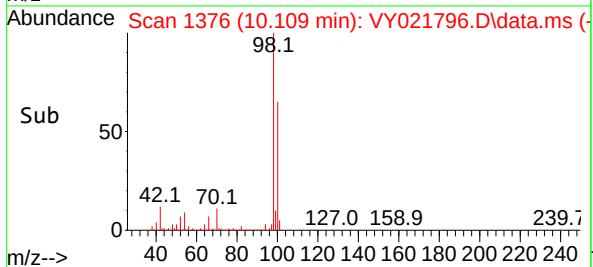
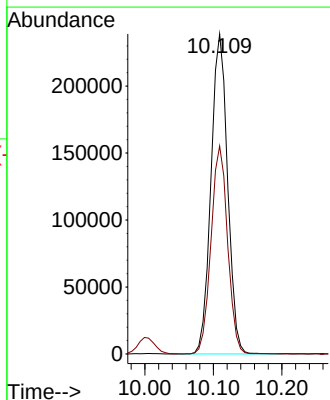
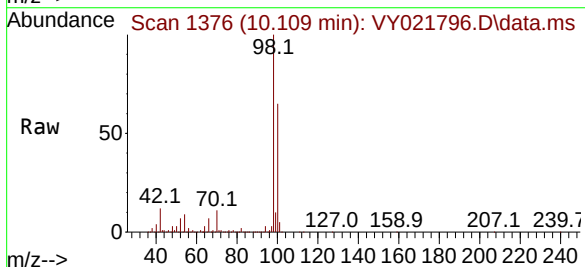
RT: 10.109 min Scan# 1376

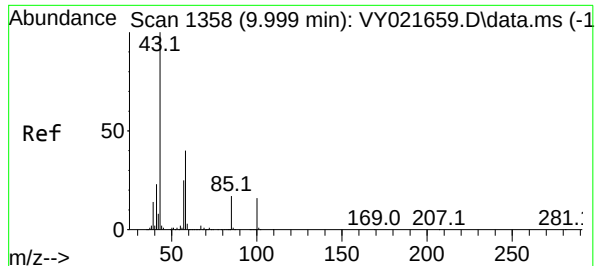
Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

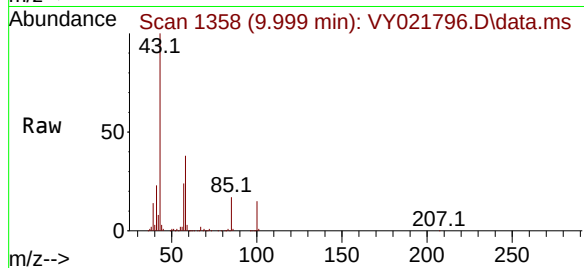
Tgt Ion:	98	Resp:	402207
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 95.649 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

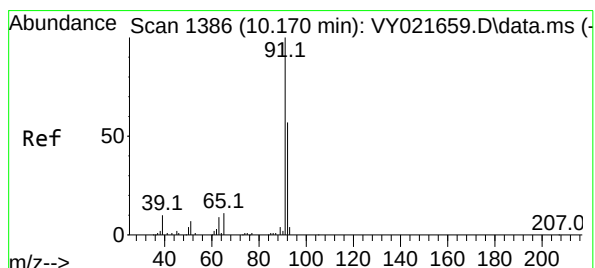
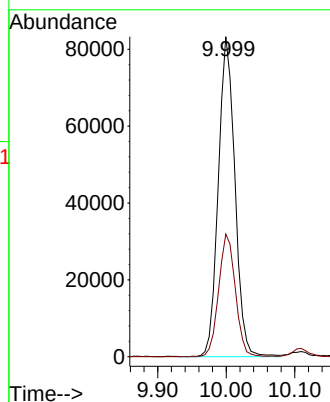
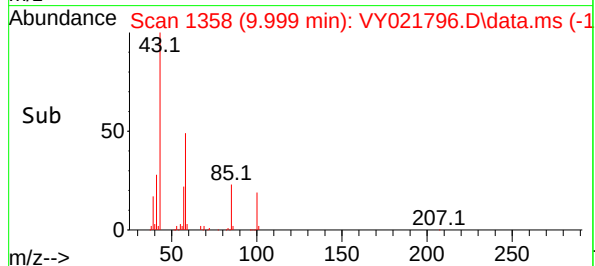
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



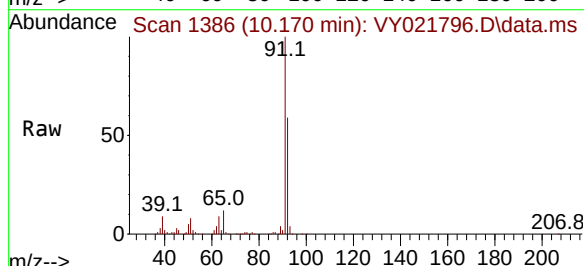
Tgt Ion: 43 Resp: 139834
Ion Ratio Lower Upper
43 100
58 38.6 31.5 47.3

Manual Integrations
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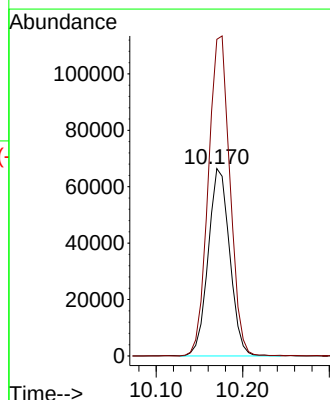
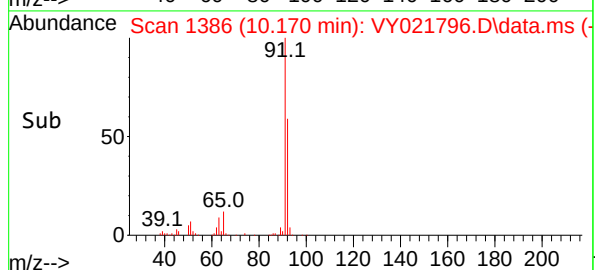
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

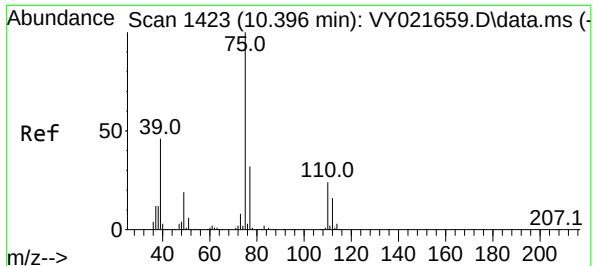


#52
Toluene
Concen: 19.502 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



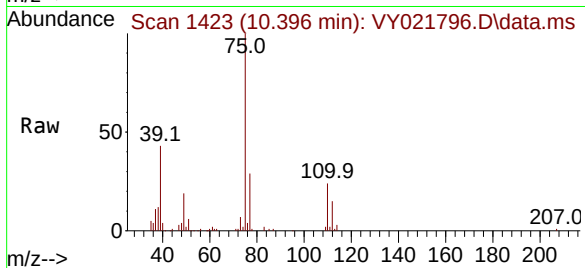
Tgt Ion: 92 Resp: 114460
Ion Ratio Lower Upper
92 100
91 172.0 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 19.407 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

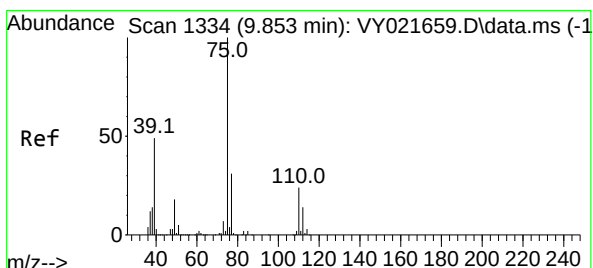
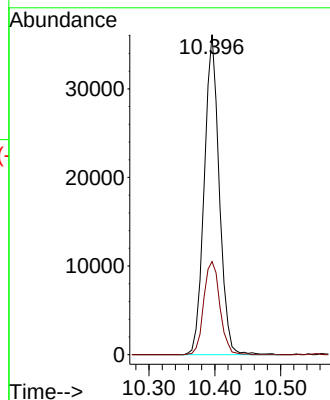
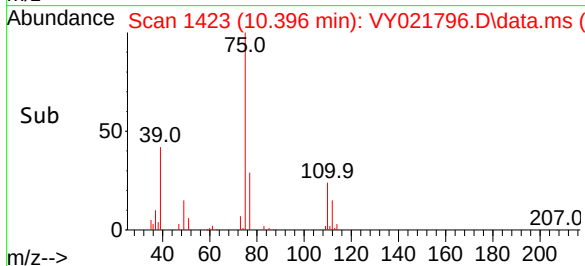
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



Tgt Ion: 75 Resp: 57318
Ion Ratio Lower Upper
75 100
77 29.1 25.3 37.9

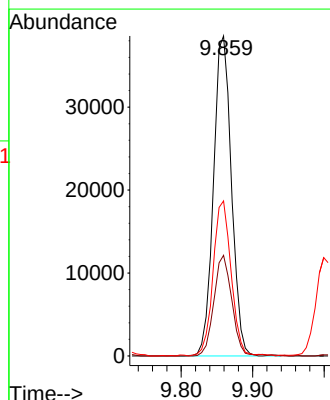
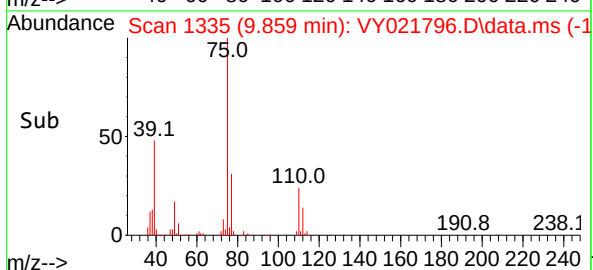
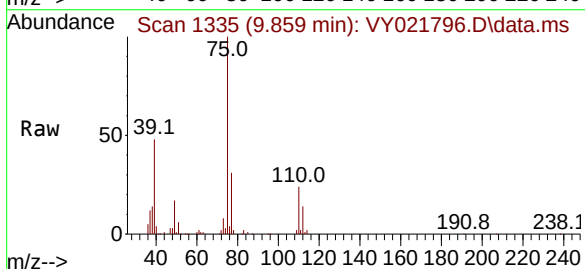
Manual Integrations
APPROVED

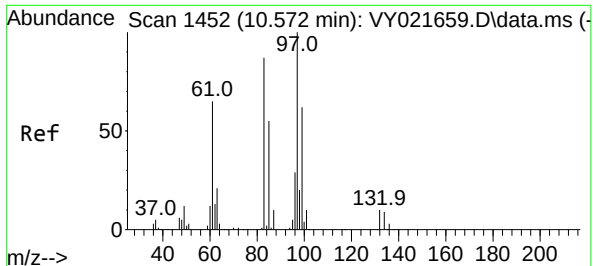
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#54
cis-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 67327
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3
39 48.2 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 20.349 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 97 Resp: 3360

Ion Ratio Lower Upper

97 100

83 88.6 69.5 104.3

85 55.9 43.9 65.9

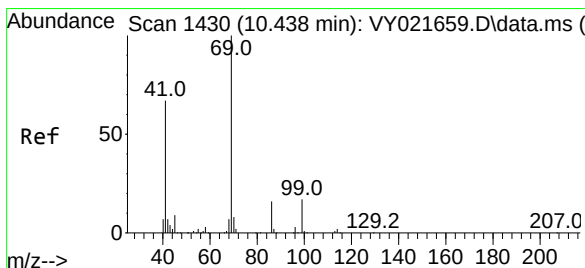
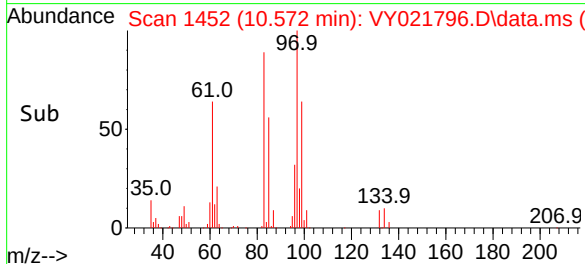
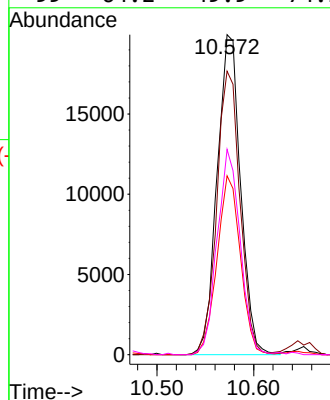
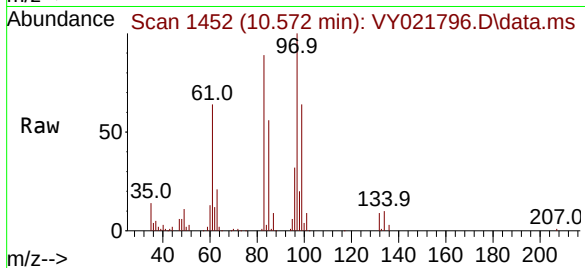
99 64.2 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#56

Ethyl methacrylate

Concen: 18.773 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

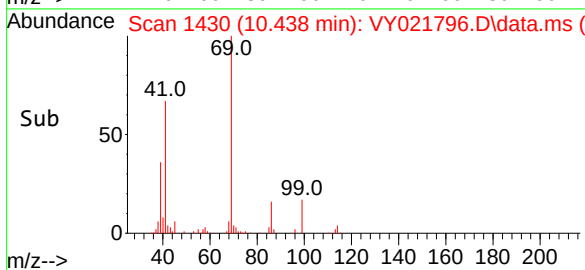
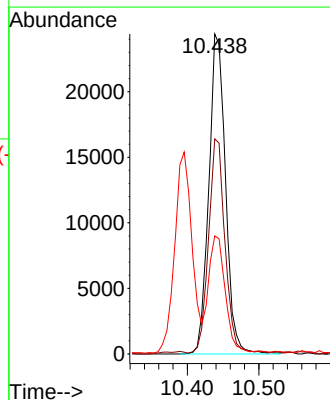
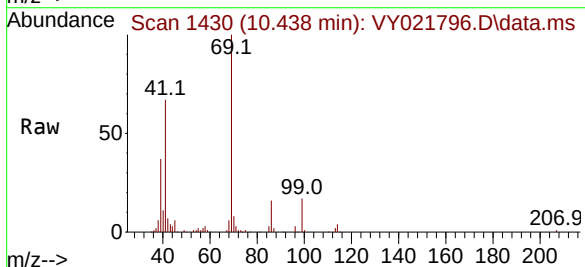
Tgt Ion: 69 Resp: 39586

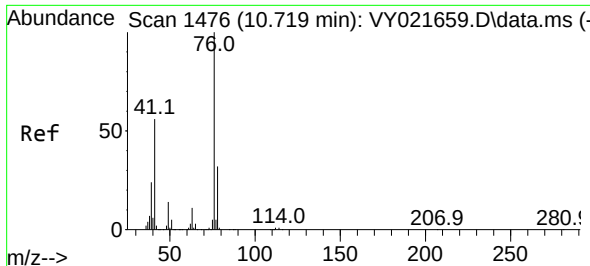
Ion Ratio Lower Upper

69 100

41 66.0 53.8 80.6

39 35.7 29.6 44.4





#57

1,3-Dichloropropane

Concen: 19.548 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 76 Resp: 55754

Ion Ratio Lower Upper

76 100

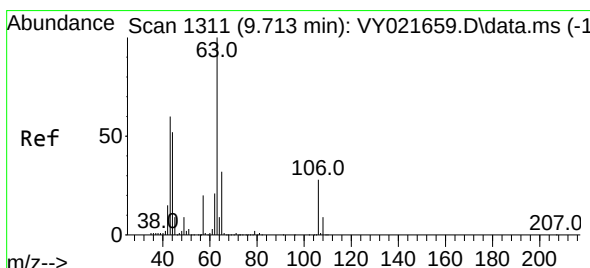
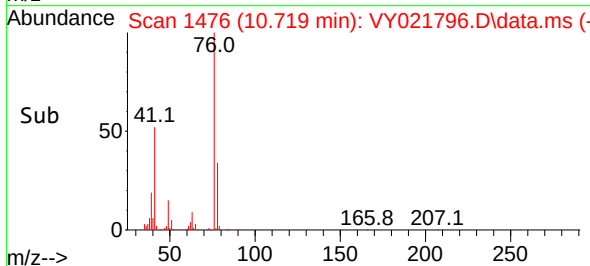
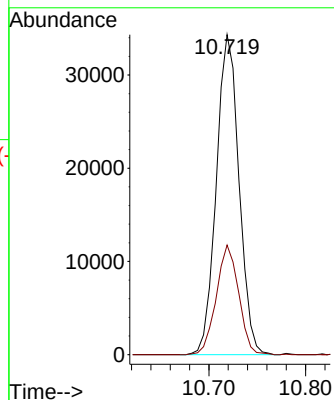
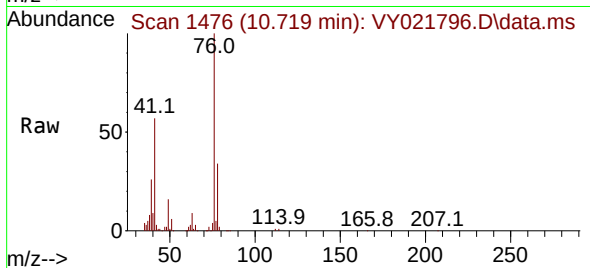
78 33.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#58

2-Chloroethyl Vinyl ether

Concen: 98.974 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021796.D

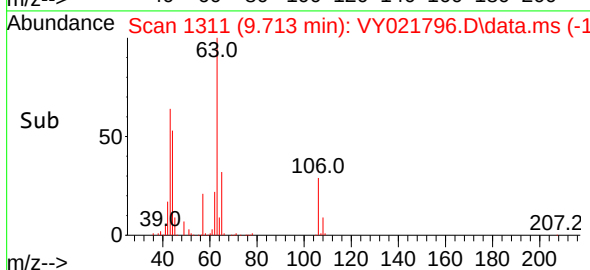
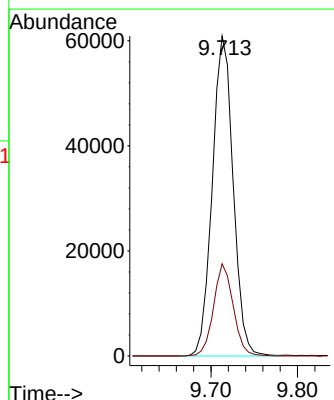
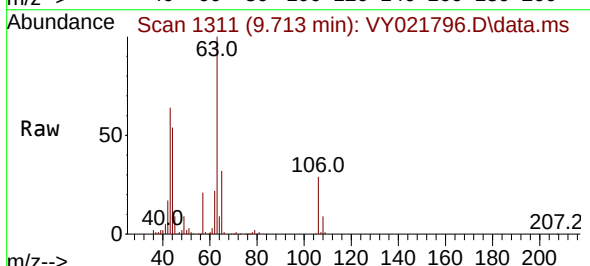
Acq: 07 Apr 2025 14:07

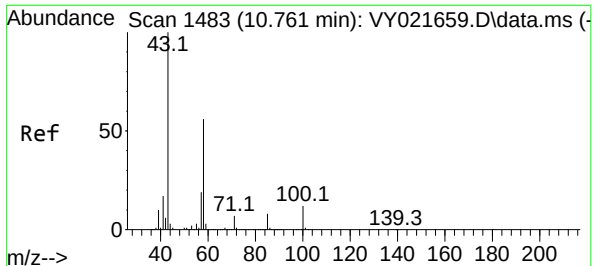
Tgt Ion: 63 Resp: 101813

Ion Ratio Lower Upper

63 100

106 27.1 22.4 33.6





#59

2-Hexanone

Concen: 93.230 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 43 Resp: 90772

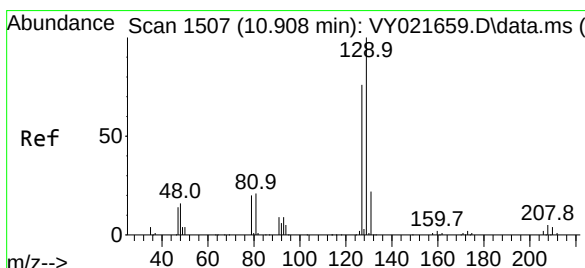
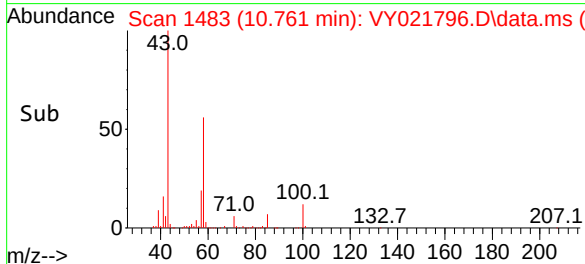
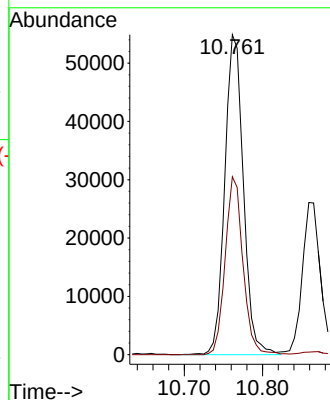
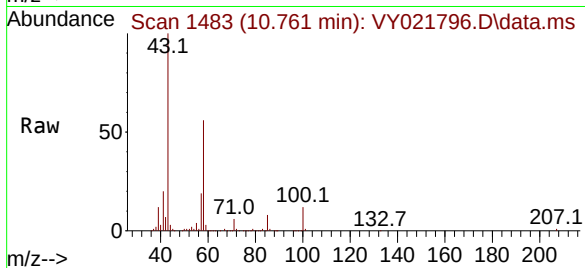
Ion Ratio Lower Upper

43 100

58 53.2 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#60

Dibromochloromethane

Concen: 19.752 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021796.D

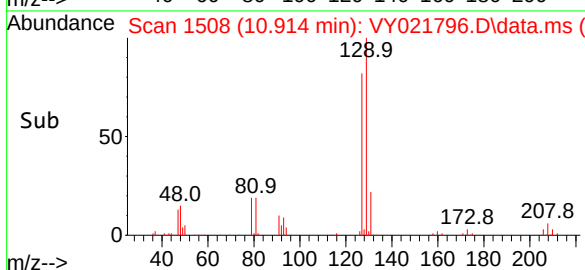
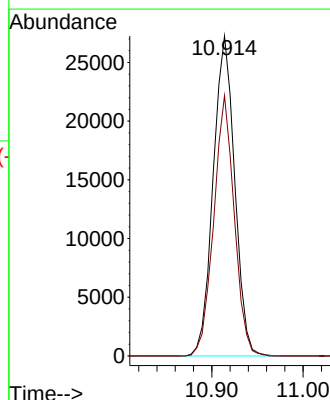
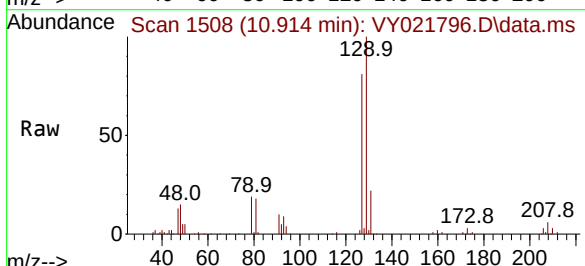
Acq: 07 Apr 2025 14:07

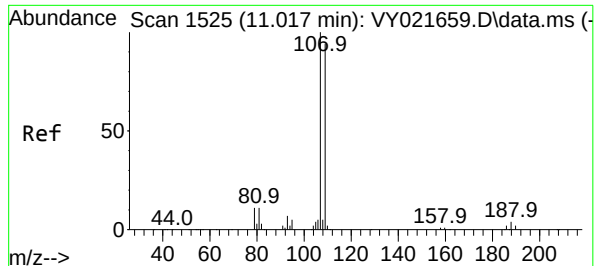
Tgt Ion:129 Resp: 44536

Ion Ratio Lower Upper

129 100

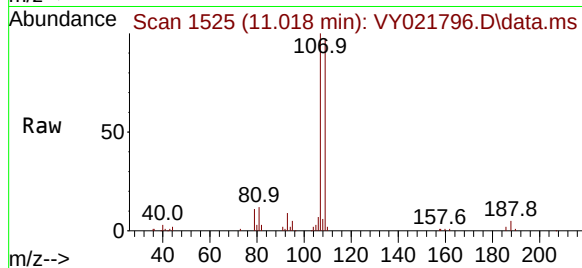
127 77.7 38.6 115.7





#61
1,2-Dibromoethane
Concen: 19.923 ug/l
RT: 11.018 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

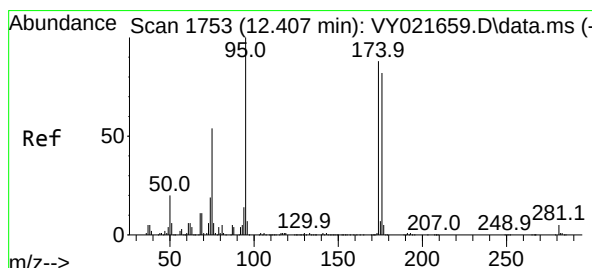
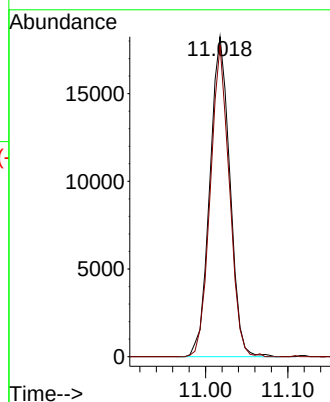
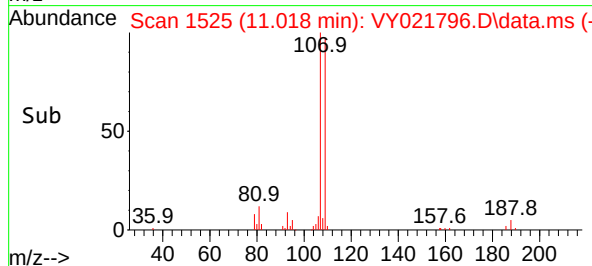
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



Tgt Ion: 107 Resp: 30864
Ion Ratio Lower Upper
107 100
109 92.1 74.4 111.6

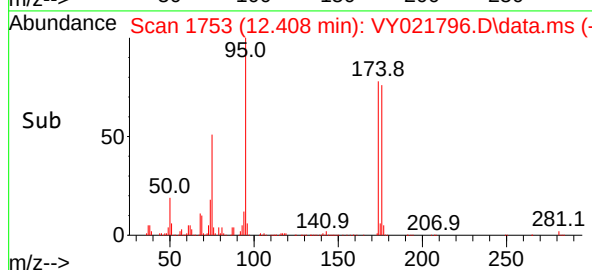
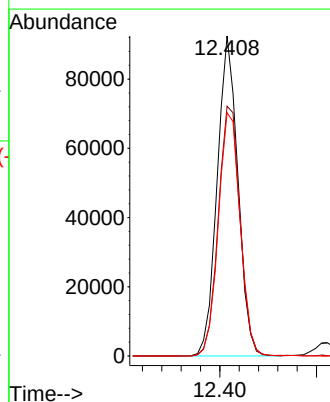
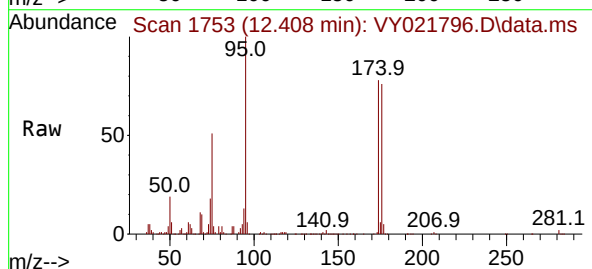
Manual Integrations
APPROVED

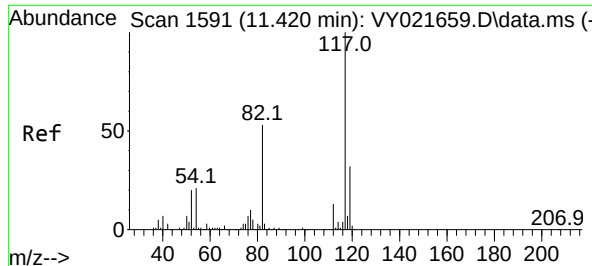
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#62
4-Bromofluorobenzene
Concen: 51.789 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

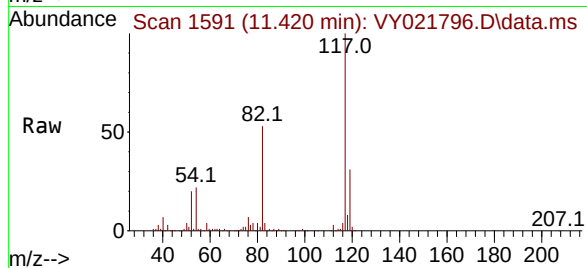
Tgt Ion: 95 Resp: 137431
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.8
176 79.9 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

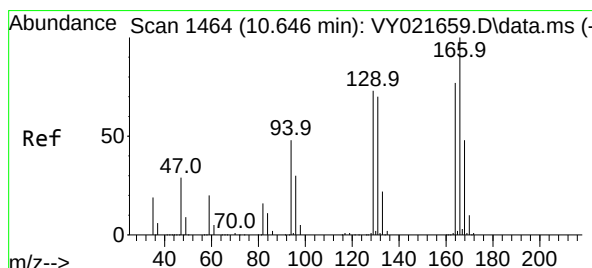
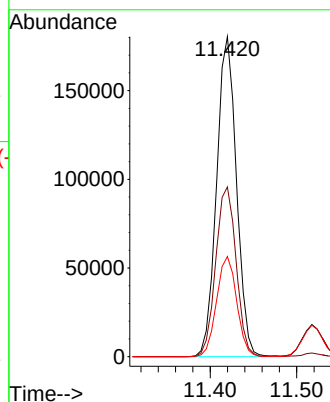
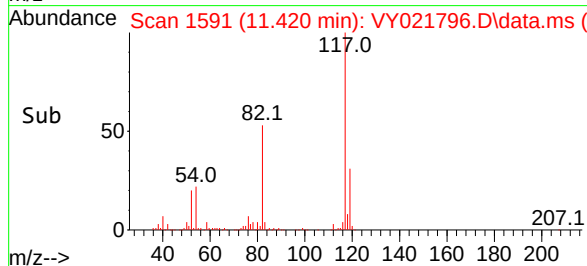
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



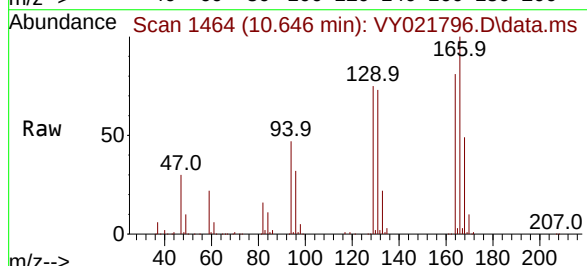
Tgt Ion:117 Resp: 287810
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 31.3 25.7 38.5

Manual Integrations
APPROVED

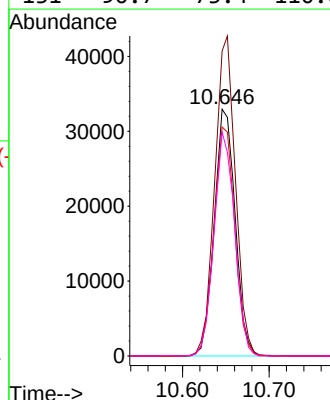
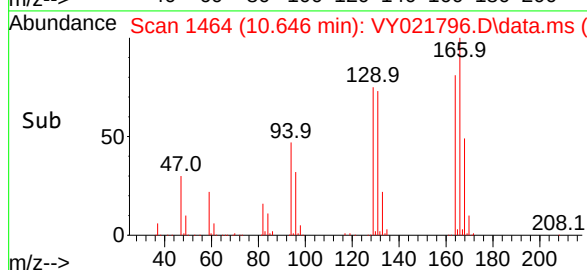
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

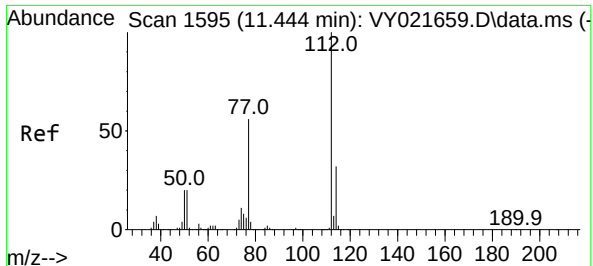


#64
Tetrachloroethene
Concen: 21.151 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



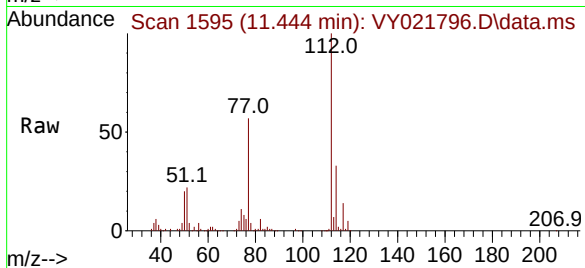
Tgt Ion:164 Resp: 55443
Ion Ratio Lower Upper
164 100
166 123.6 104.6 156.8
129 92.8 76.6 114.8
131 90.7 73.4 110.0





#65
Chlorobenzene
Concen: 18.989 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

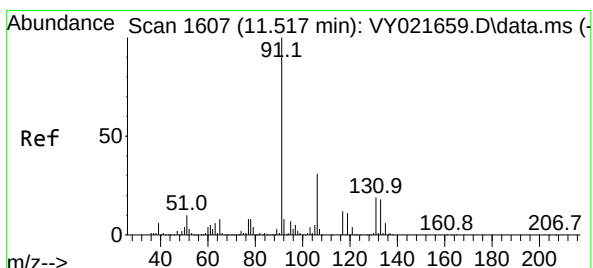
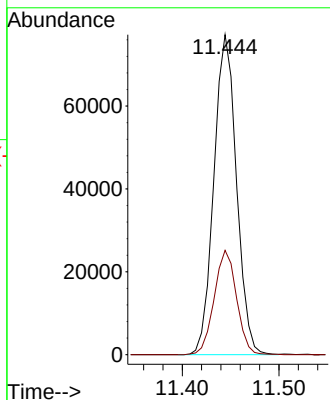
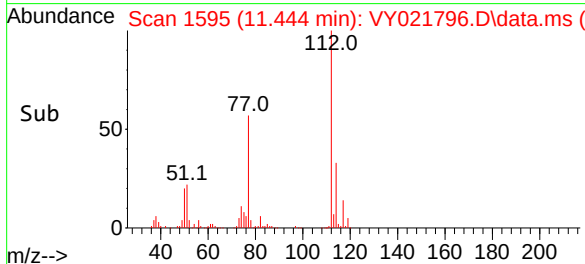
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



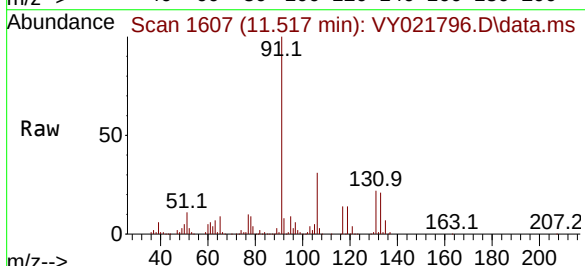
Tgt Ion:112 Resp: 12528
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

Manual Integrations
APPROVED

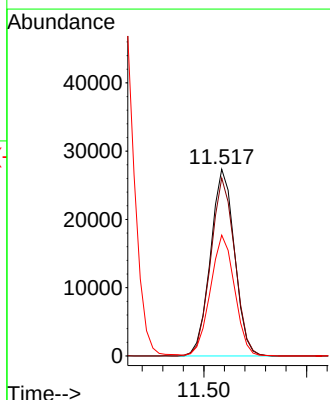
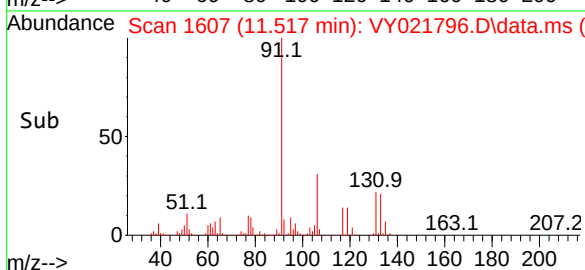
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

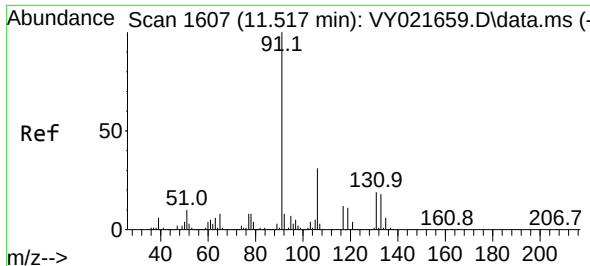


#66
1,1,1,2-Tetrachloroethane
Concen: 18.954 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



Tgt Ion:131 Resp: 44369
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 18.222 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY021796.D

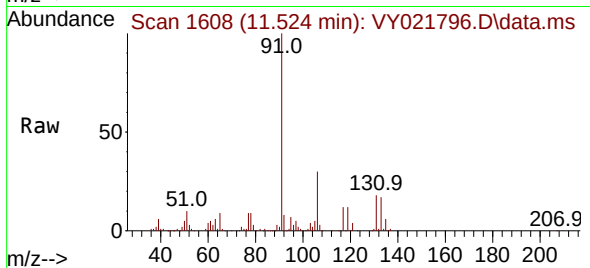
Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01



Tgt Ion: 91 Resp: 206159

Ion Ratio Lower Upper

91 100

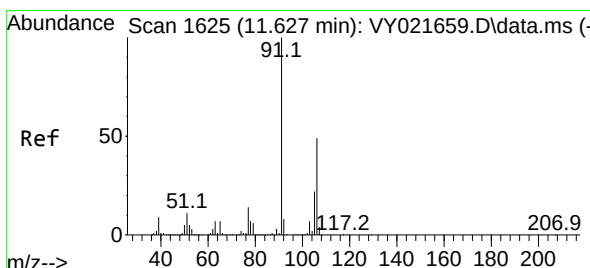
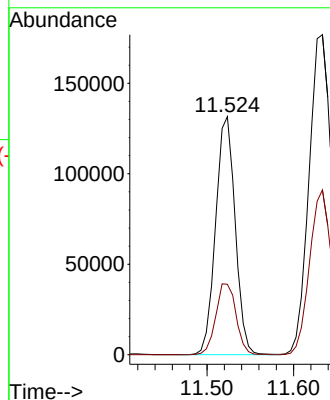
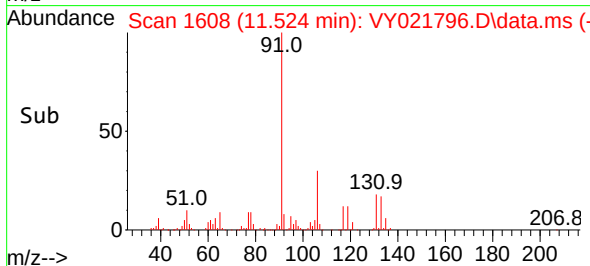
106 29.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#68

m/p-Xylenes

Concen: 37.528 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021796.D

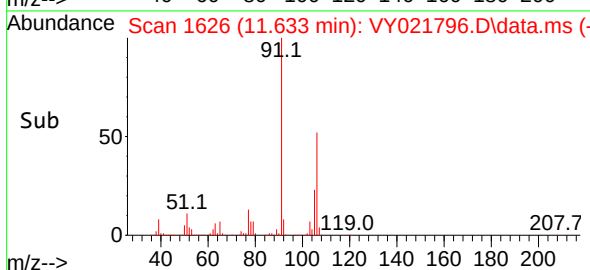
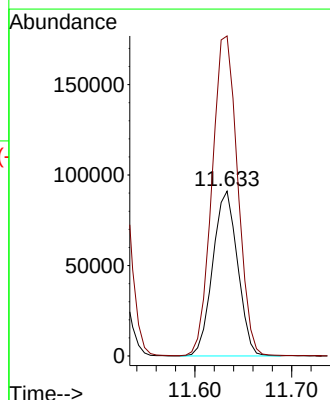
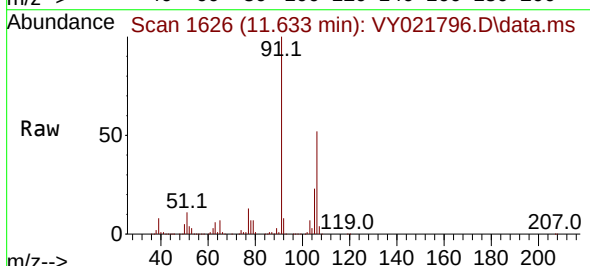
Acq: 07 Apr 2025 14:07

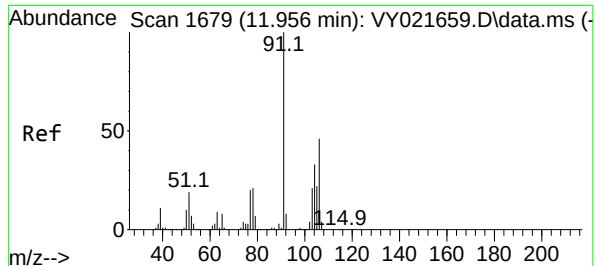
Tgt Ion:106 Resp: 162584

Ion Ratio Lower Upper

106 100

91 199.7 162.4 243.6





#69

o-Xylene

Concen: 18.495 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:106 Resp: 7396

Ion Ratio Lower Upper

106 100

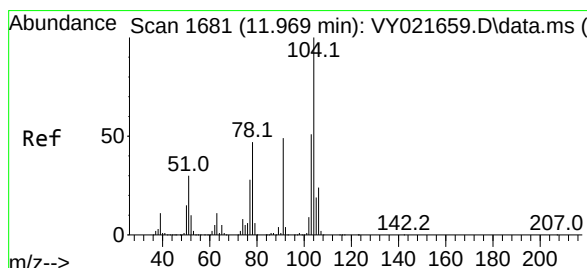
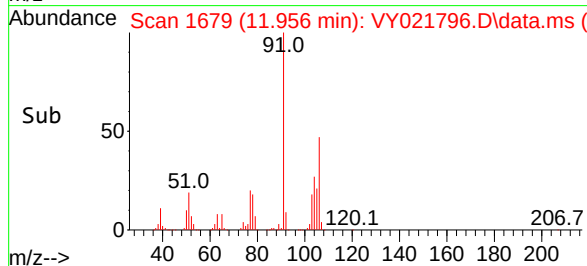
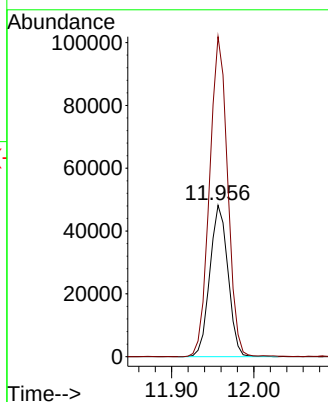
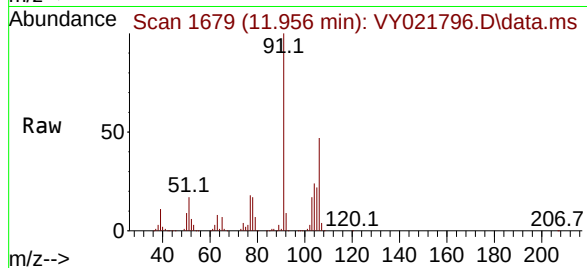
91 210.5 106.7 319.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#70

Styrene

Concen: 18.734 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

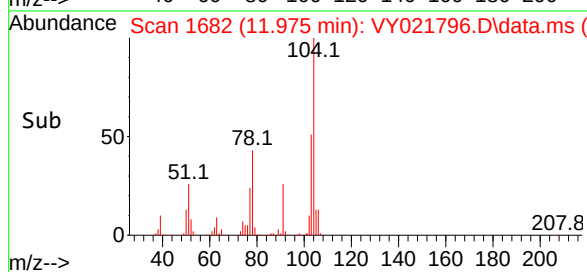
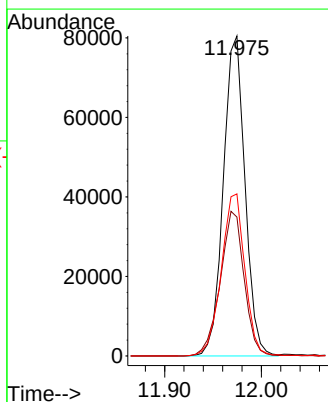
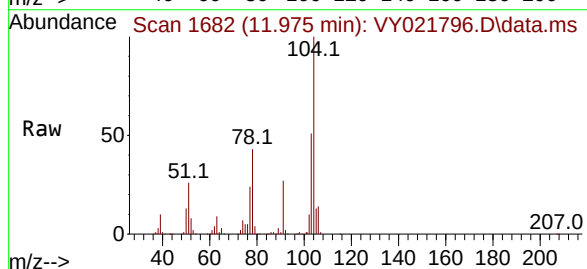
Tgt Ion:104 Resp: 124911

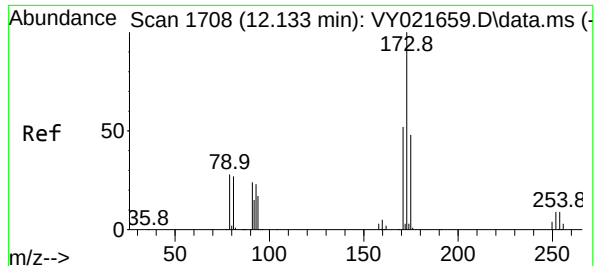
Ion Ratio Lower Upper

104 100

78 50.1 40.8 61.2

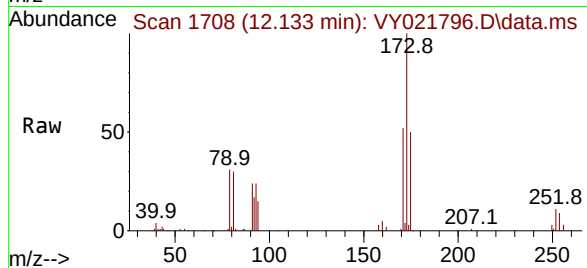
103 55.6 44.2 66.2





#71
Bromoform
Concen: 19.482 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

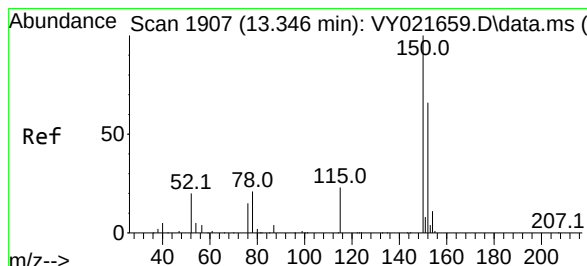
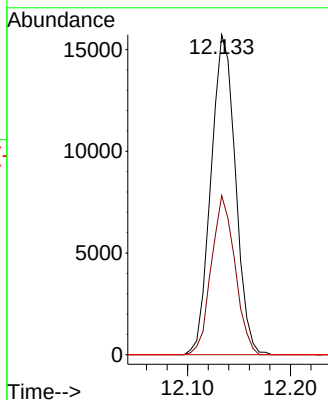
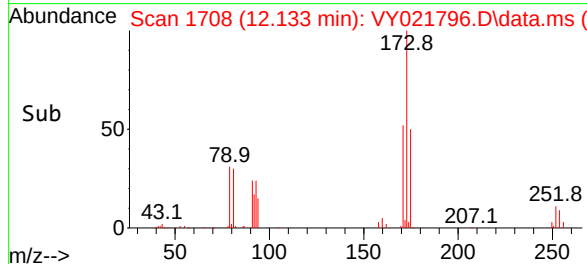
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



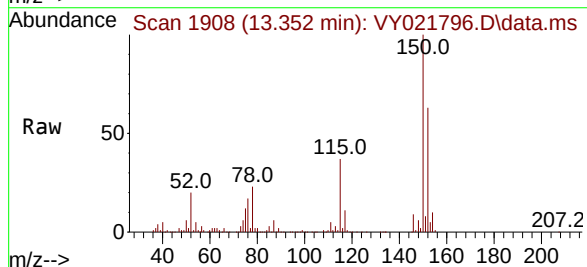
Tgt Ion:173 Resp: 26014
Ion Ratio Lower Upper
173 100
175 48.0 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

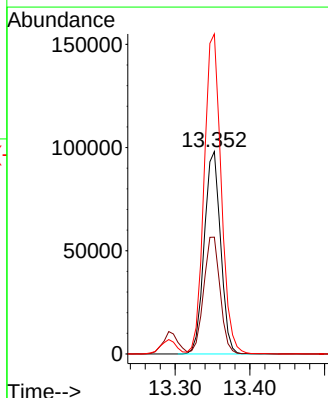
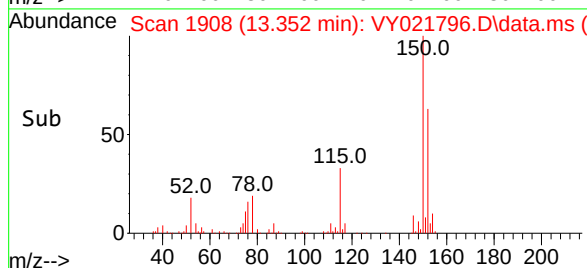
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

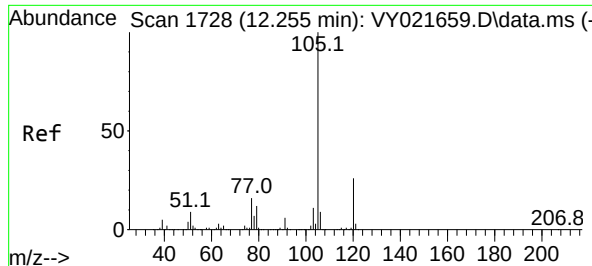


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07



Tgt Ion:152 Resp: 149046
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 164.9 0.0 348.4





#73

Isopropylbenzene

Concen: 17.583 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:105 Resp: 194649

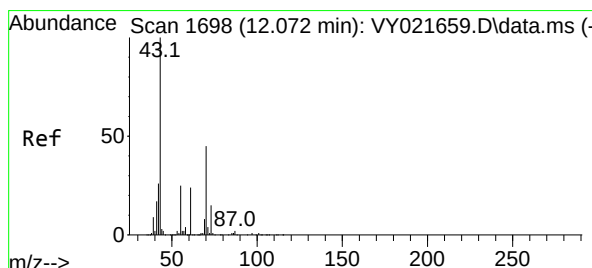
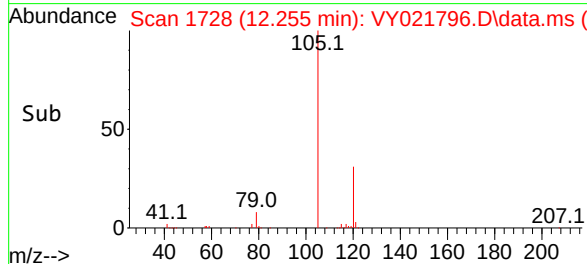
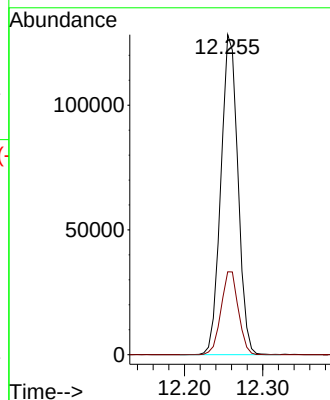
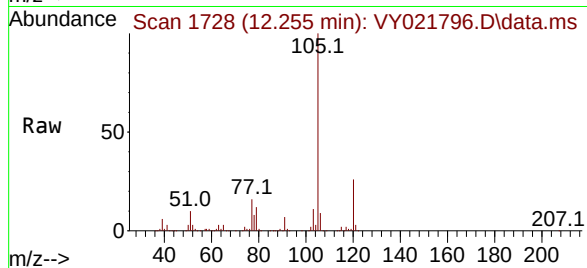
Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#74

N-ethyl acetate

Concen: 16.847 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 43771

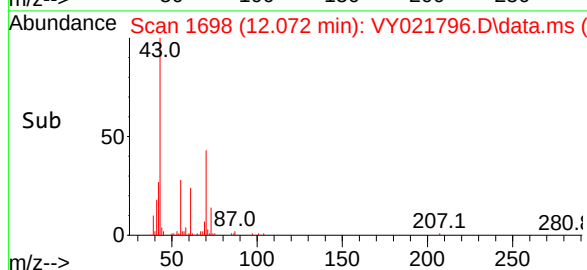
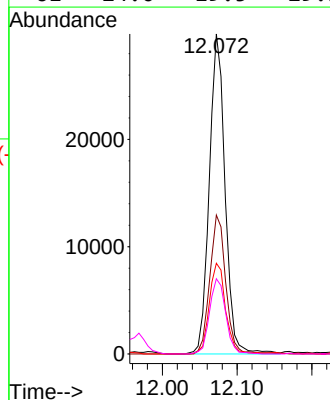
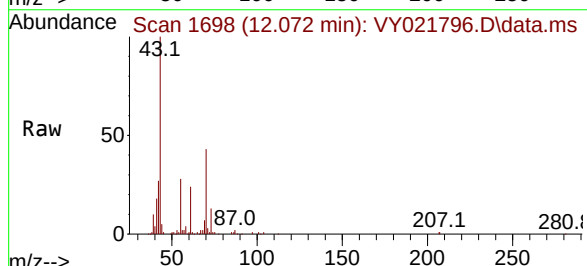
Ion Ratio Lower Upper

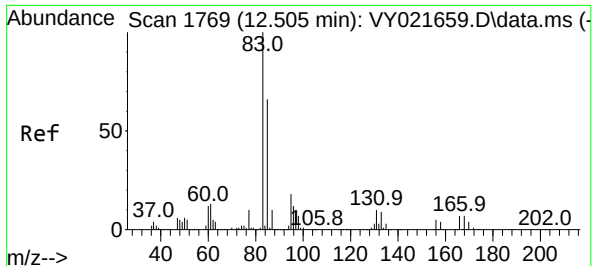
43 100

70 43.6 34.7 52.1

55 29.1 21.2 31.8

61 24.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 16.478 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

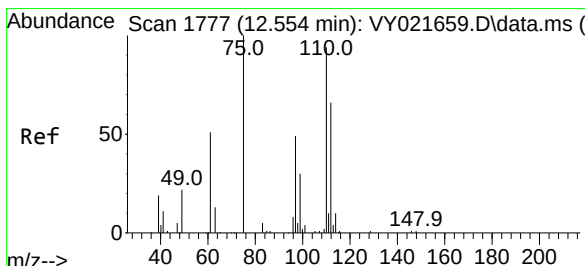
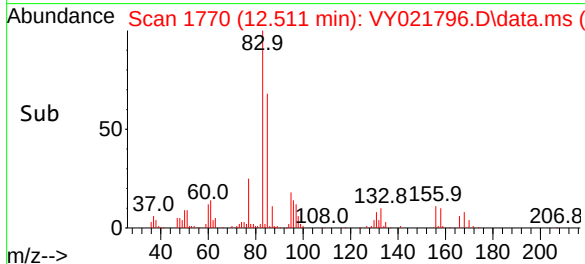
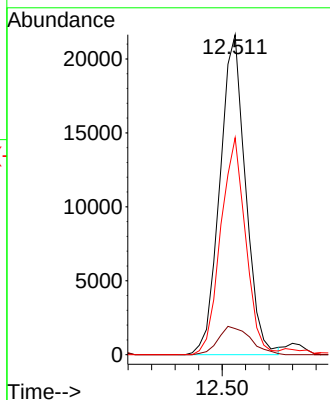
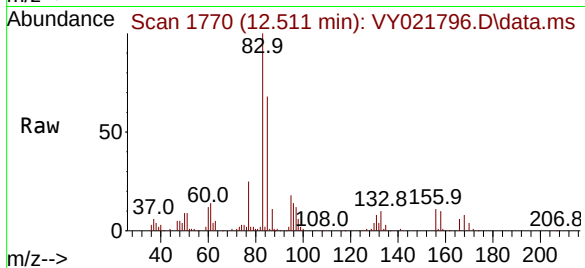
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:	83	Resp:	32790
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	66.1	32.3	96.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#76

1,2,3-Trichloropropane

Concen: 17.216 ug/l m

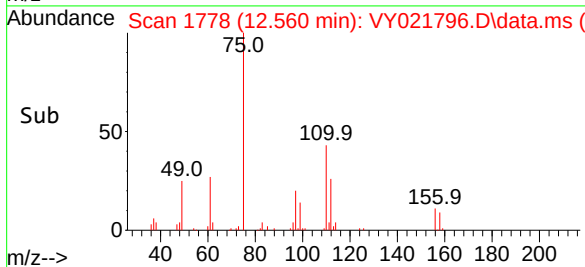
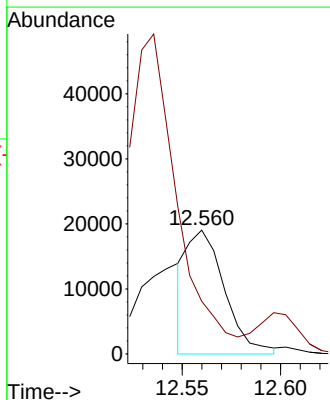
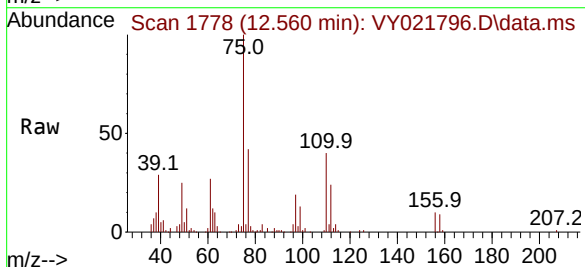
RT: 12.560 min Scan# 1778

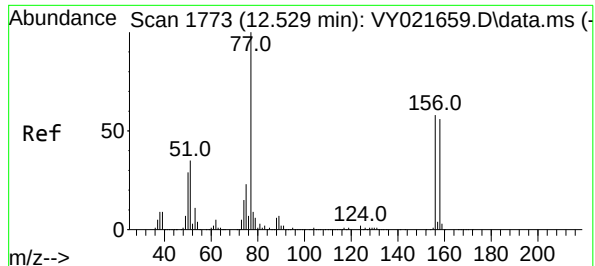
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	75	Resp:	25435
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





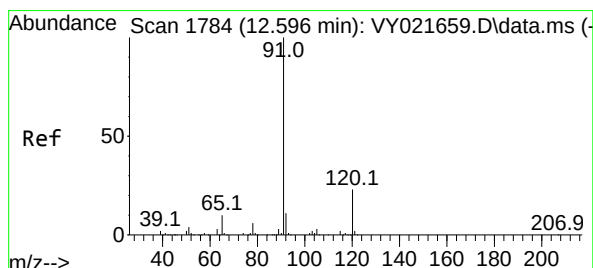
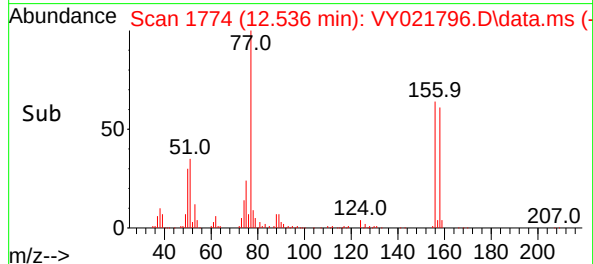
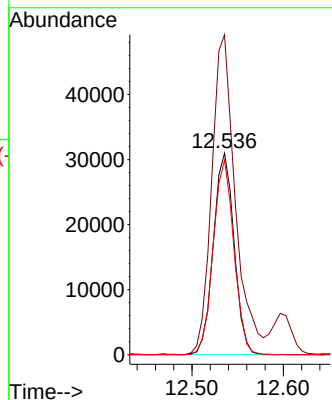
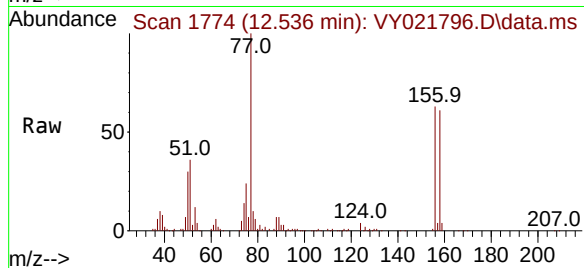
#77
Bromobenzene
Concen: 18.356 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 156 Resp: 48789
Ion Ratio Lower Upper
156 100
77 180.5 92.8 278.3
158 96.2 48.5 145.6

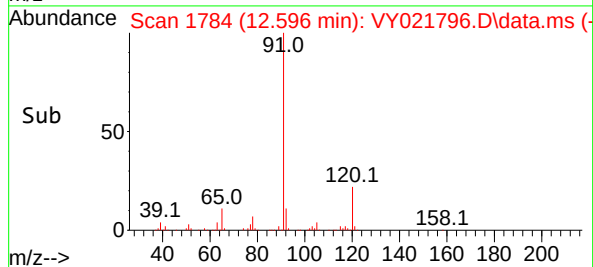
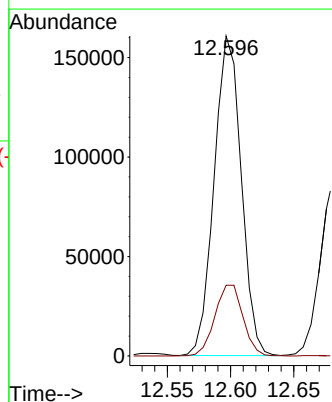
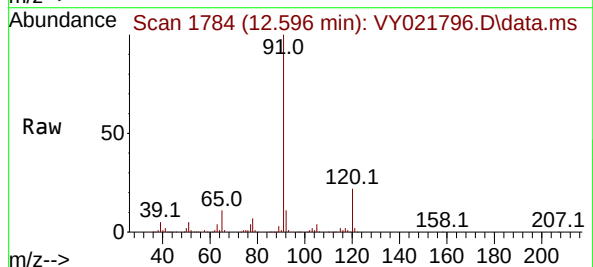
Manual Integrations
APPROVED

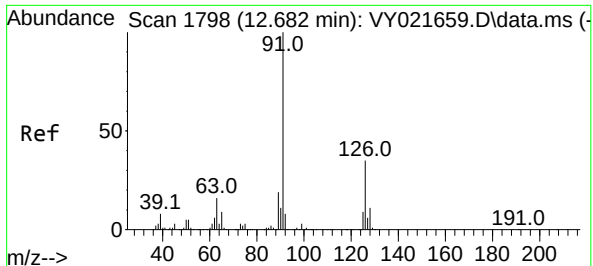
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#78
n-propylbenzene
Concen: 17.983 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 239336
Ion Ratio Lower Upper
91 100
120 23.0 11.3 33.9





#79

2-Chlorotoluene

Concen: 18.046 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion: 91 Resp: 139490

Ion Ratio Lower Upper

91 100

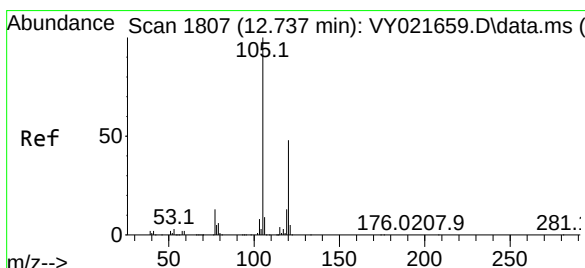
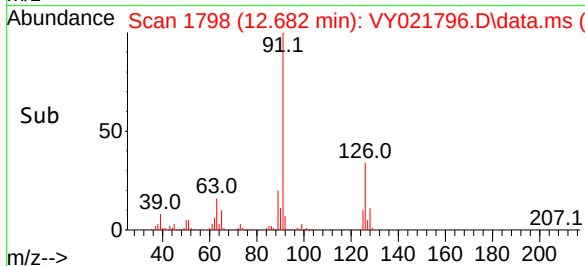
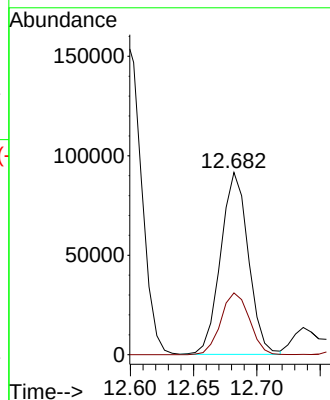
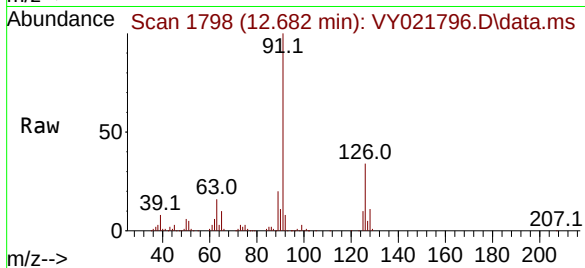
126 35.0 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025

Supervised By :Semsettin Yesilyurt 04/08/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.130 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021796.D

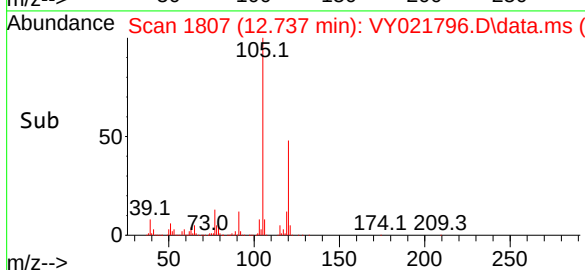
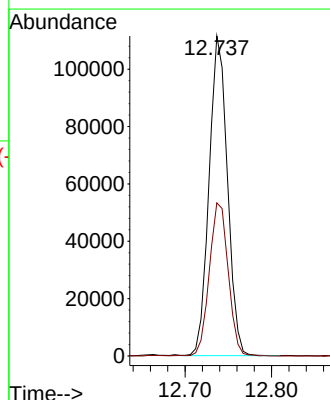
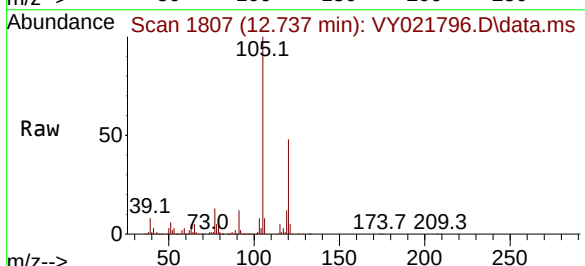
Acq: 07 Apr 2025 14:07

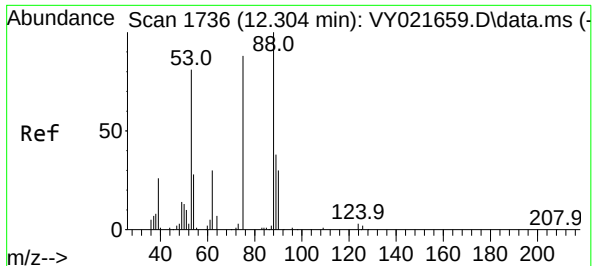
Tgt Ion:105 Resp: 164031

Ion Ratio Lower Upper

105 100

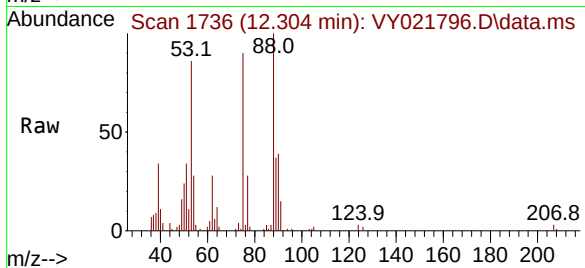
120 49.3 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.313 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

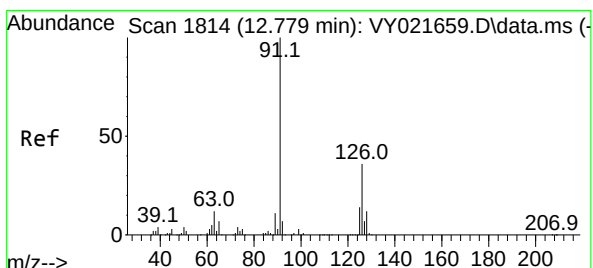
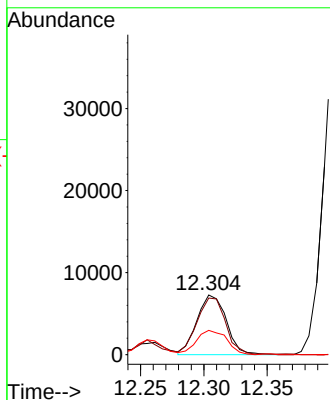
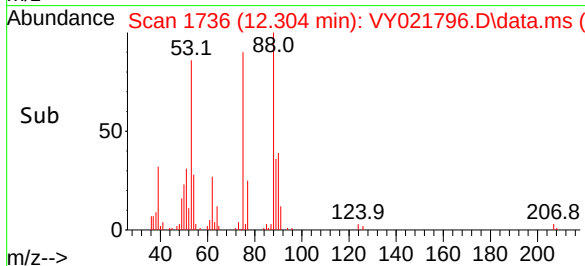
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01



Tgt Ion: 75 Resp: 1174
Ion Ratio Lower Upper
75 100
53 91.7 76.1 114.1
89 42.2 36.2 54.4

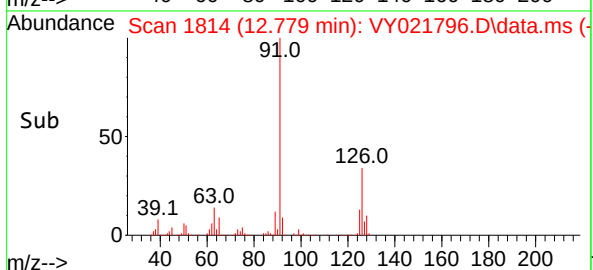
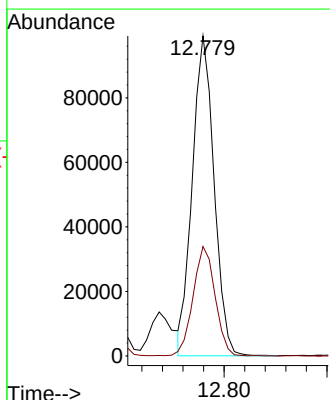
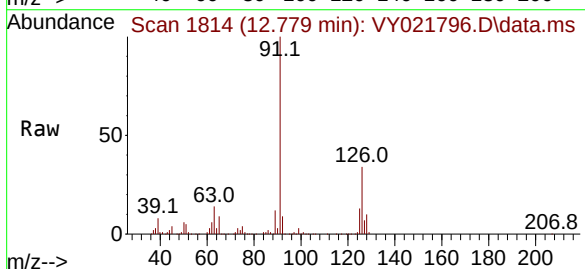
Manual Integrations
APPROVED

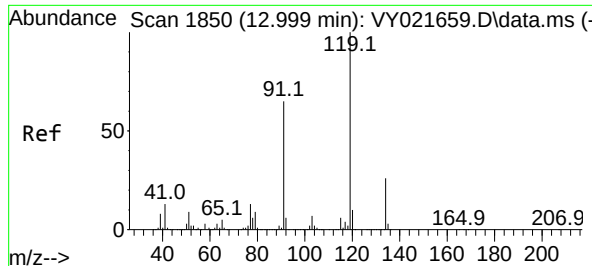
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#82
4-Chlorotoluene
Concen: 18.098 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 145850
Ion Ratio Lower Upper
91 100
126 34.8 17.0 50.9





#83

tert-Butylbenzene

Concen: 17.867 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

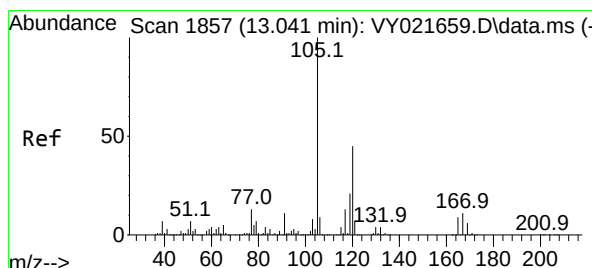
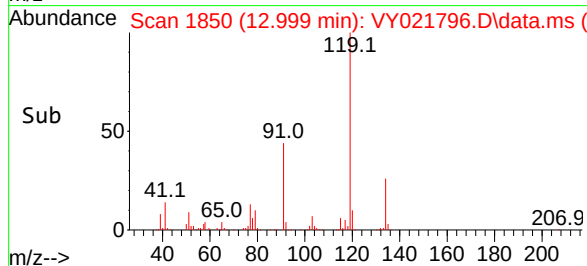
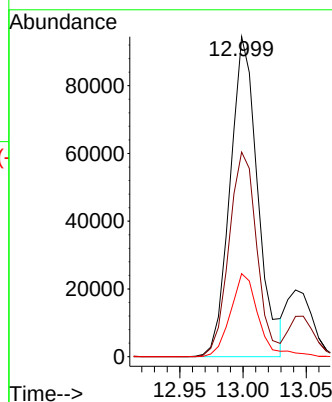
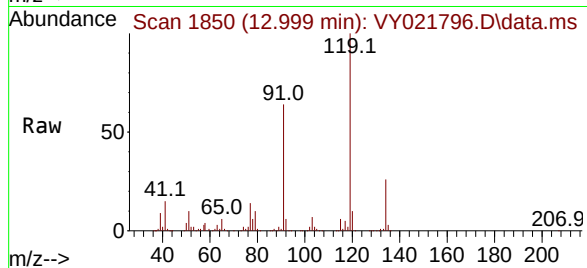
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:	119	Resp:	14398
Ion Ratio	Lower	Upper	
119	100		
91	64.4	32.6	97.7
134	26.2	13.2	39.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#84

1,2,4-Trimethylbenzene

Concen: 18.300 ug/l

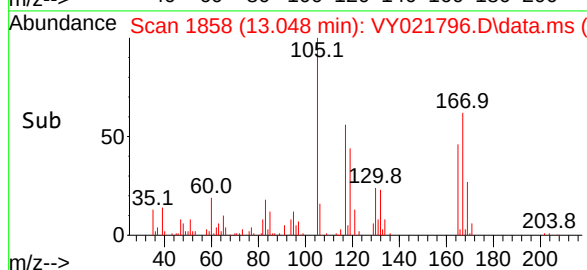
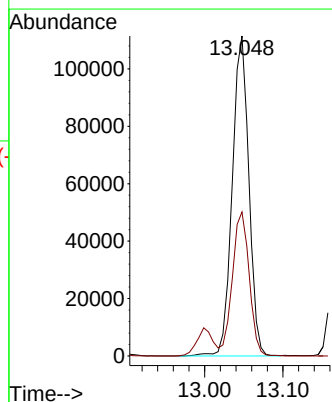
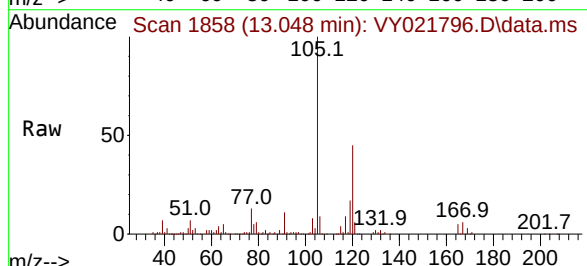
RT: 13.048 min Scan# 1858

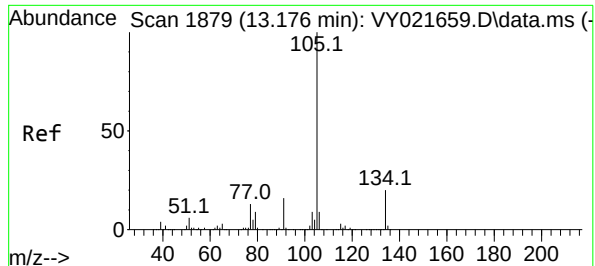
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	105	Resp:	163642
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 18.031 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:105 Resp: 21235

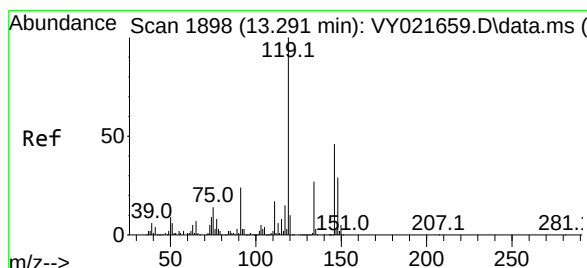
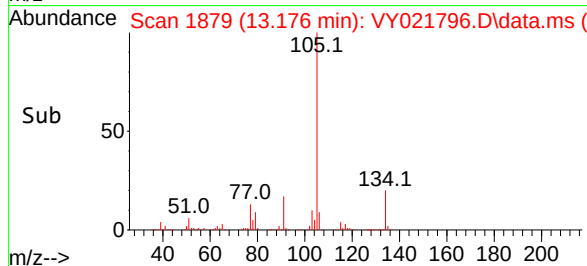
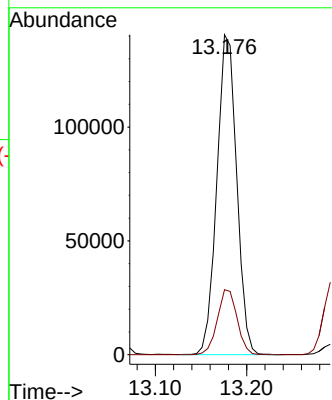
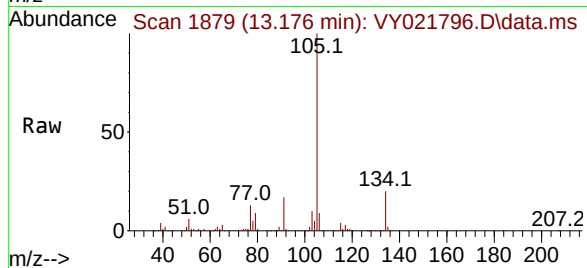
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#86

p-Isopropyltoluene

Concen: 18.171 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

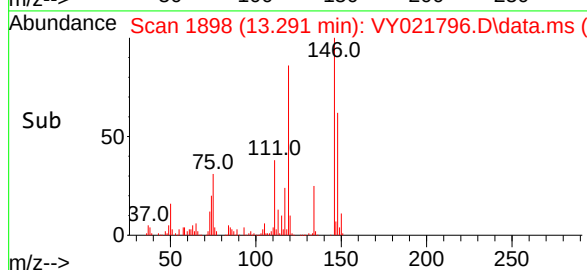
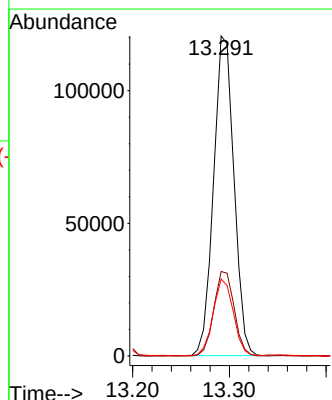
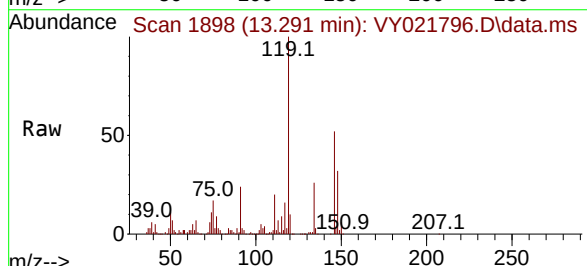
Tgt Ion:119 Resp: 176872

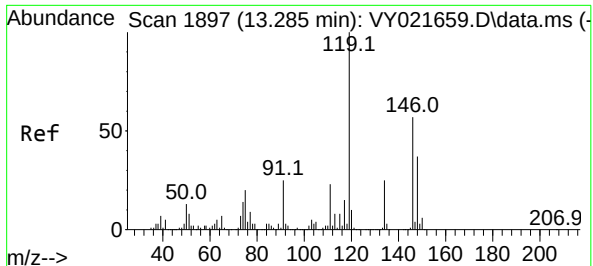
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 23.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 18.467 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

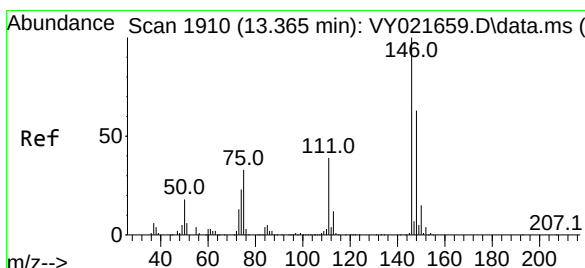
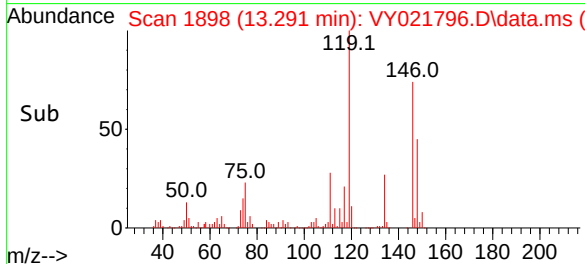
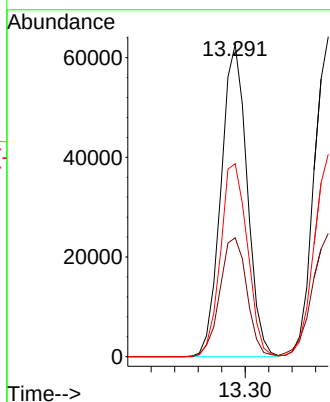
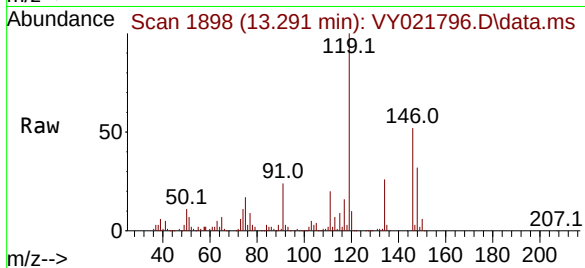
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:146	Resp:	96700
Ion Ratio	Lower	Upper
146	100	
111	39.4	20.0 60.0
148	63.7	31.8 95.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#88

1,4-Dichlorobenzene

Concen: 18.826 ug/l

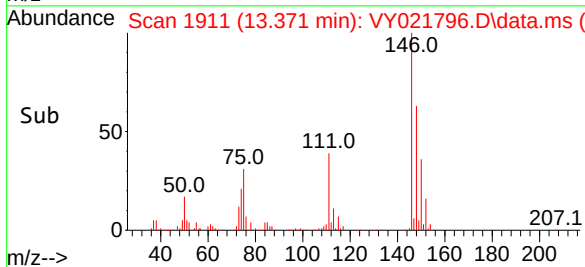
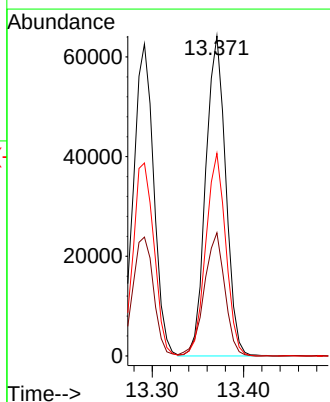
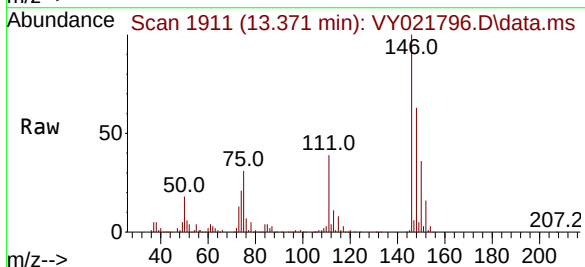
RT: 13.371 min Scan# 1911

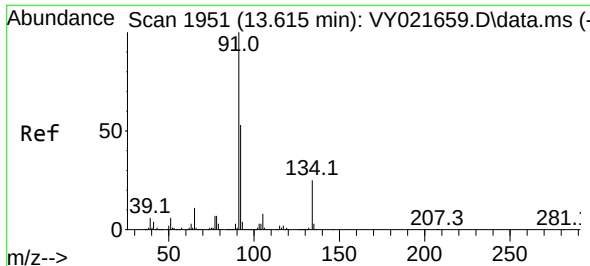
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:146	Resp:	97404
Ion Ratio	Lower	Upper
146	100	
111	39.7	19.1 57.1
148	63.5	31.5 94.5





#89

n-Butylbenzene

Concen: 17.835 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

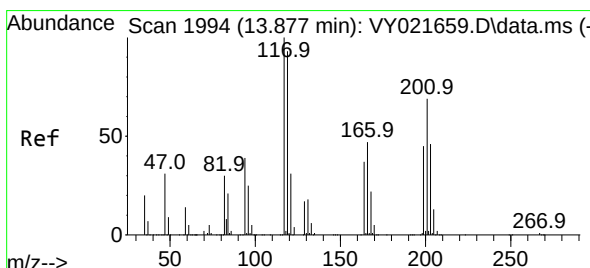
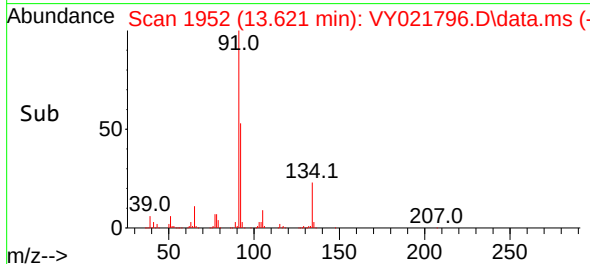
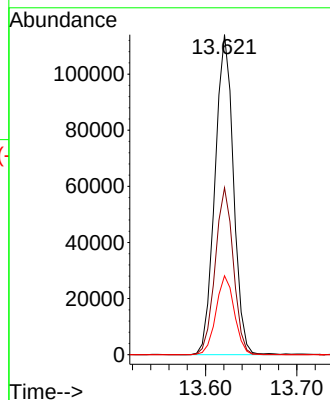
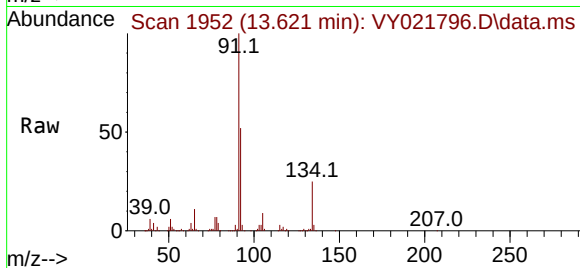
VY0407SBS01

Tgt Ion:	91	Resp:	16054
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.4	79.2
134	24.5	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#90

Hexachloroethane

Concen: 18.191 ug/l

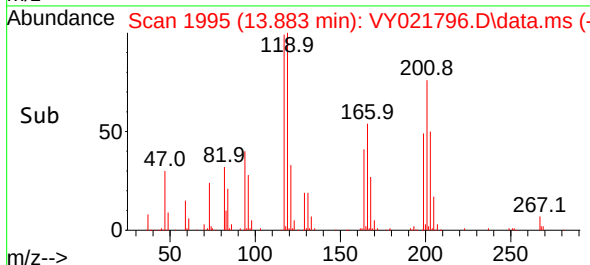
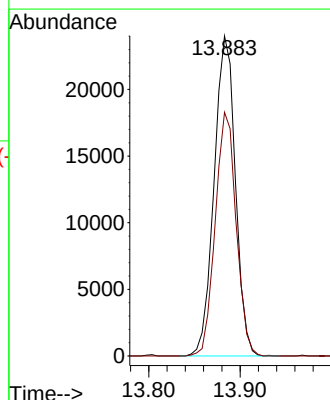
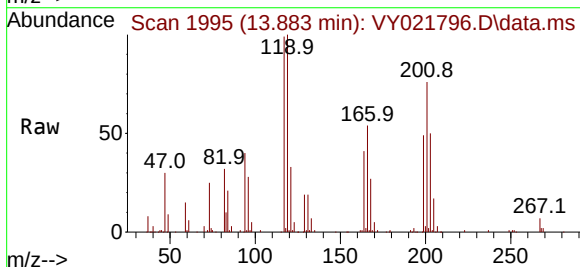
RT: 13.883 min Scan# 1995

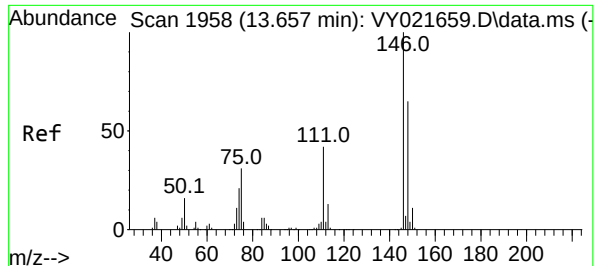
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	117	Resp:	38801
Ion Ratio	Lower	Upper	
117	100		
201	74.9	37.4	112.1





#91

1,2-Dichlorobenzene

Concen: 19.029 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

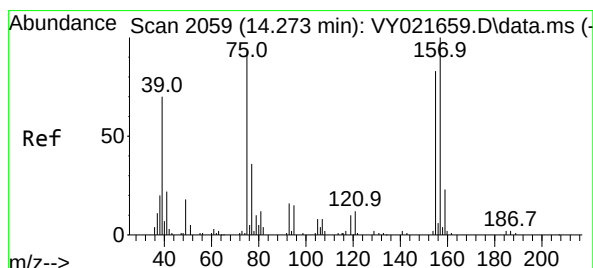
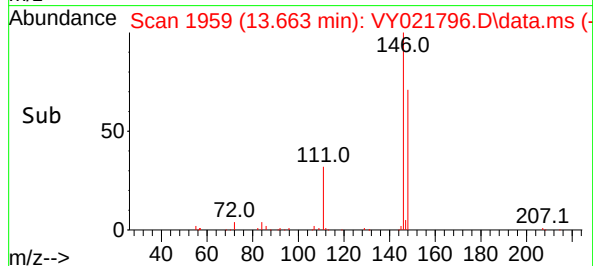
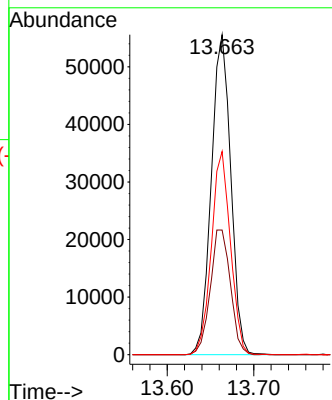
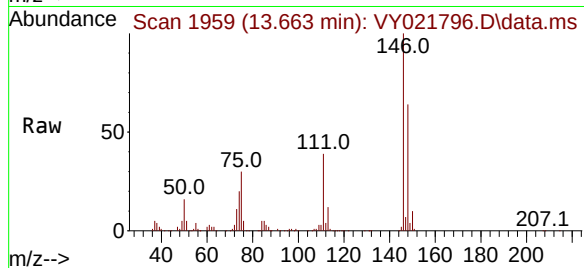
ClientSampleId :

VY0407SBS01

Tgt Ion:	146	Resp:	8674
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.7	62.1
148	62.2	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.688 ug/l

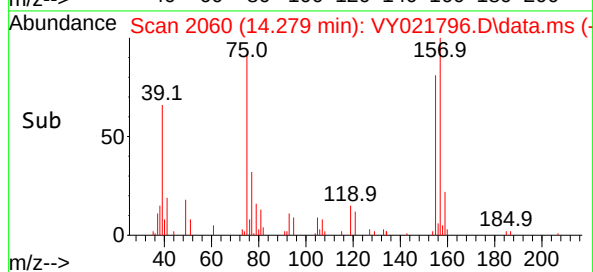
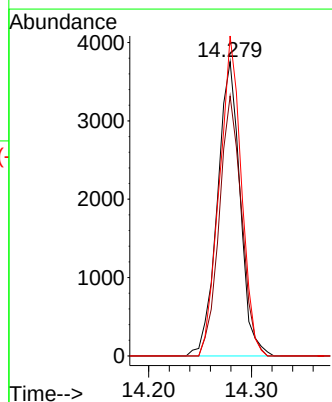
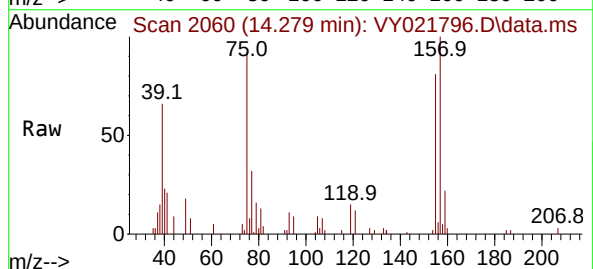
RT: 14.279 min Scan# 2060

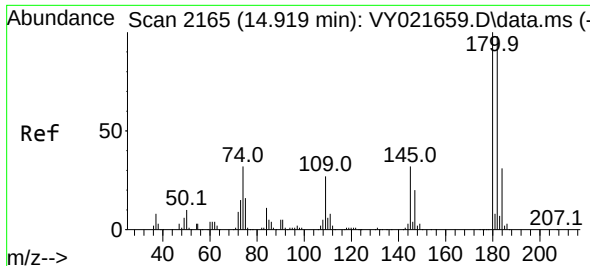
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:	75	Resp:	5765
Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.0	128.8
157	104.9	54.0	162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.097 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

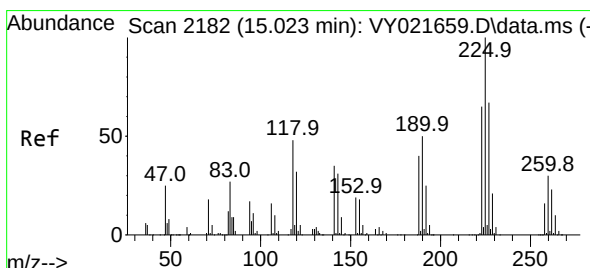
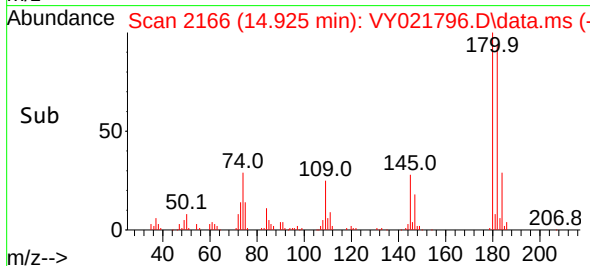
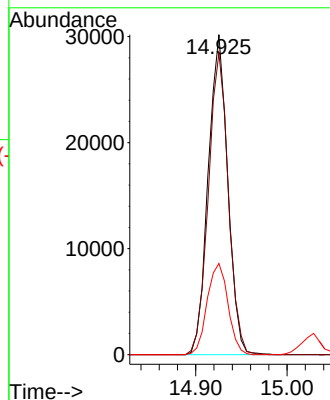
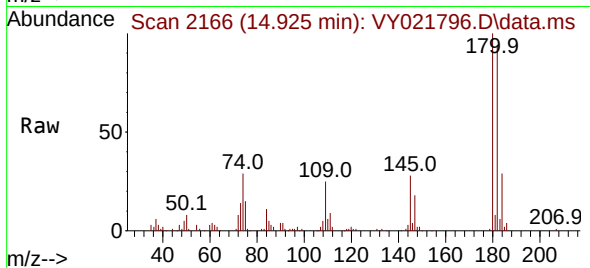
VY0407SBS01

Tgt Ion:180	Resp:	44738
Ion Ratio	Lower	Upper
180	100	
182	96.1	47.5 142.6
145	30.4	14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#94

Hexachlorobutadiene

Concen: 18.790 ug/l

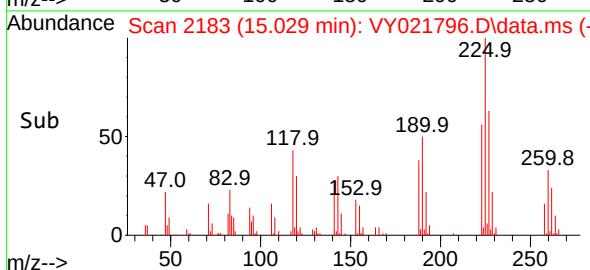
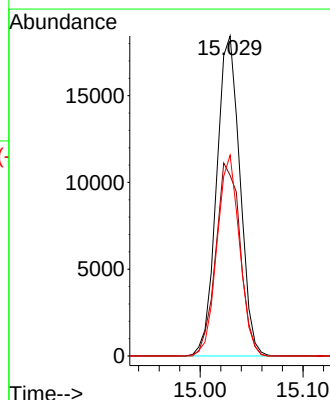
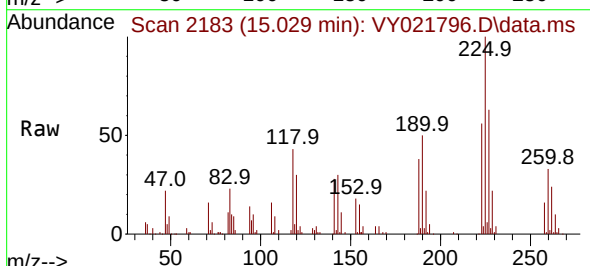
RT: 15.029 min Scan# 2183

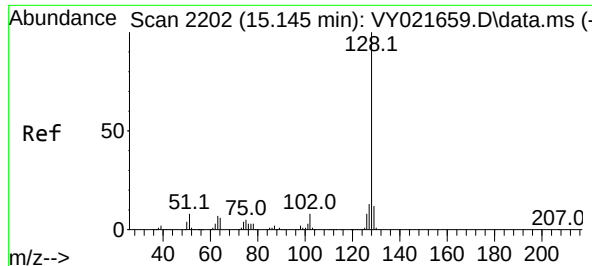
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:225	Resp:	29010
Ion Ratio	Lower	Upper
225	100	
223	63.2	31.9 95.7
227	60.6	32.4 97.0





#95

Naphthalene

Concen: 17.212 ug/l

RT: 15.151 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

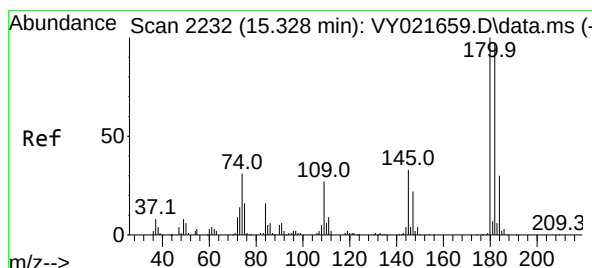
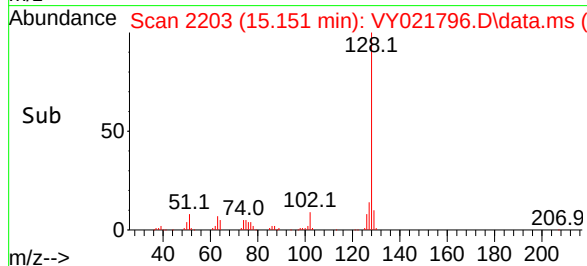
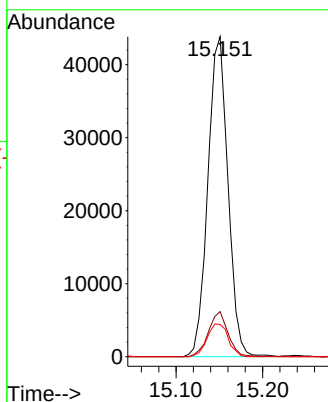
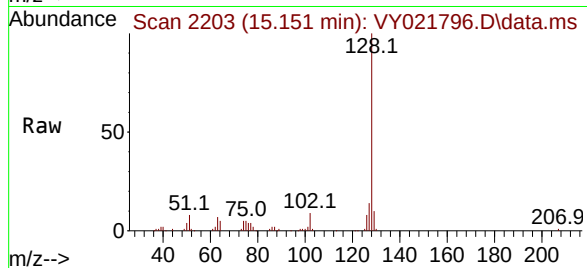
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.8	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

#96

1,2,3-Trichlorobenzene

Concen: 18.085 ug/l

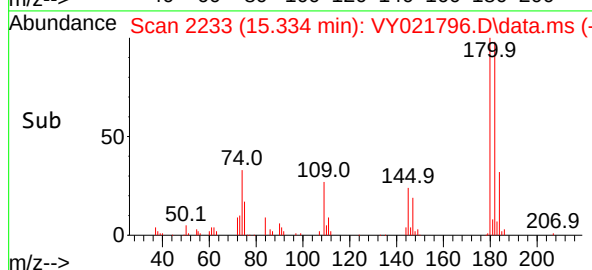
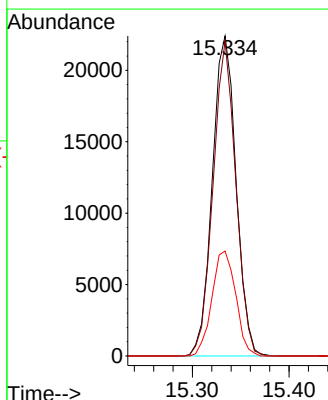
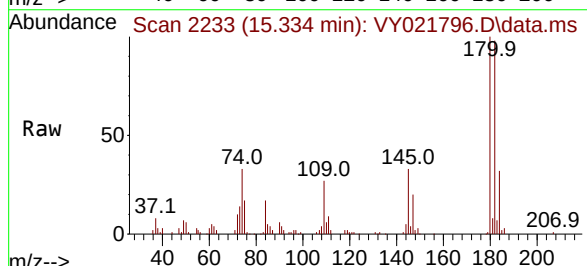
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.5
145	32.9	15.9	47.7



Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0404SBSD01	SDG No.:	Q1730	
Lab Sample ID:	VY0404SBSD01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021779.D	1		04/04/25 10:49	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.018		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.018		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.088		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.090		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.081		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.018		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.018		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.018		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.019		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.085		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.019		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.019		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.019		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.019		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.019		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.019		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.019		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.019		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.019		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.019		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.090		0.0036	0.013	0.025	mg/Kg

Report of Analysis

Client:	Nobis Group		Date Collected:	
Project:	Raymark Superfund Site		Date Received:	
Client Sample ID:	VY0404SBS01		SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group3
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021779.D	1		04/04/25 10:49	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.019		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.019		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.019		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.088		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.019		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.019		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.019		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.019		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.039		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.057		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.019		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.019		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.018		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.019		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.019		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.019		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.019		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.019		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.019		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.019		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0025	0.0050	mg/Kg

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0404SBSD01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021779.D	1		04/04/25 10:49	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.019		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.8		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	222000	7.707				
540-36-3	1,4-Difluorobenzene	342000	8.616				
3114-55-4	Chlorobenzene-d5	300000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346				

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\VY040425\
 Data File : VY021779.D
 Acq On : 04 Apr 2025 10:49
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	299516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119747	49.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.520%			
35) Dibromofluoromethane	7.634	113	115582	52.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.140%			
50) Toluene-d8	10.103	98	437387	51.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.408	95	145713	51.018	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	42153	18.309	ug/l	98
3) Chloromethane	2.068	50	59338	18.329	ug/l	98
4) Vinyl Chloride	2.202	62	66651	18.205	ug/l	98
5) Bromomethane	2.592	94	47838	19.158	ug/l	96
6) Chloroethane	2.732	64	44266	18.477	ug/l	99
7) Trichlorofluoromethane	3.056	101	86996	18.549	ug/l	97
8) Diethyl Ether	3.458	74	23057	18.078	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	47581	19.235	ug/l	98
10) Methyl Iodide	4.000	142	47402	17.468	ug/l	99
11) Tert butyl alcohol	4.872	59	13129	83.987	ug/l	96
12) 1,1-Dichloroethene	3.787	96	43256	18.565	ug/l	94
13) Acrolein	3.653	56	17313	60.655	ug/l	95
14) Allyl chloride	4.385	41	67244	18.101	ug/l	99
15) Acrylonitrile	5.055	53	47972	90.082	ug/l	99
16) Acetone	3.872	43	39791	80.784	ug/l	96
17) Carbon Disulfide	4.104	76	136817	17.828	ug/l	99
18) Methyl Acetate	4.378	43	21903	17.942	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	102651	17.696	ug/l	97
20) Methylene Chloride	4.610	84	48920	17.807	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	47181	18.392	ug/l	94
22) Diisopropyl ether	6.018	45	146004	18.736	ug/l	97
23) Vinyl Acetate	5.957	43	405658	88.983	ug/l	100
24) 1,1-Dichloroethane	5.909	63	87235	18.721	ug/l	99
25) 2-Butanone	6.896	43	59419	84.459	ug/l	99
26) 2,2-Dichloropropane	6.884	77	77434	18.682	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53338	18.489	ug/l	99
28) Bromochloromethane	7.244	49	38032	19.353	ug/l	99
29) Tetrahydrofuran	7.262	42	39739	87.766	ug/l	99
30) Chloroform	7.421	83	90247	18.621	ug/l	98
31) Cyclohexane	7.701	56	75857	17.858	ug/l #	94
32) 1,1,1-Trichloroethane	7.616	97	83924	19.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66042	19.535	ug/l	99
37) Ethyl Acetate	6.982	43	29052	18.209	ug/l	99
38) Carbon Tetrachloride	7.817	117	75873	19.595	ug/l	98
39) Methylcyclohexane	9.109	83	74878	18.540	ug/l	97
40) Benzene	8.079	78	193271	19.090	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021779.D
 Acq On : 04 Apr 2025 10:49
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15817m	18.667	ug/l	
42) 1,2-Dichloroethane	8.158	62	54392	19.057	ug/l	100
43) Isopropyl Acetate	8.195	43	54667	18.080	ug/l	99
44) Trichloroethene	8.865	130	50130	19.433	ug/l	98
45) 1,2-Dichloropropane	9.140	63	46400	19.361	ug/l	100
46) Dibromomethane	9.231	93	25939	18.781	ug/l	98
47) Bromodichloromethane	9.420	83	69458	19.408	ug/l	99
48) Methyl methacrylate	9.219	41	25306	18.236	ug/l	97
49) 1,4-Dioxane	9.231	88	5687	384.365	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	141751	90.088	ug/l	99
52) Toluene	10.170	92	119838	18.972	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	59854	18.829	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69651	18.573	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	34633	19.485	ug/l	99
56) Ethyl methacrylate	10.438	69	40910	18.026	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57918	18.868	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	105979	95.722	ug/l	100
59) 2-Hexanone	10.761	43	92448	88.221	ug/l	98
60) Dibromochloromethane	10.908	129	46610	19.207	ug/l	99
61) 1,2-Dibromoethane	11.011	107	31579	18.940	ug/l	99
64) Tetrachloroethene	10.646	164	55676	20.410	ug/l	99
65) Chlorobenzene	11.444	112	131622	19.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	46936	19.267	ug/l	99
67) Ethyl Benzene	11.517	91	223644	18.996	ug/l	99
68) m/p-Xylenes	11.627	106	173569	38.499	ug/l	99
69) o-Xylene	11.956	106	78213	18.794	ug/l	98
70) Styrene	11.969	104	132607	19.111	ug/l	99
71) Bromoform	12.133	173	27344	19.678	ug/l #	99
73) Isopropylbenzene	12.255	105	211355	18.722	ug/l	100
74) N-amyl acetate	12.072	43	45960	17.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36248	17.859	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	27503m	18.255	ug/l	
77) Bromobenzene	12.529	156	50842	18.757	ug/l	99
78) n-propylbenzene	12.597	91	259575	19.126	ug/l	100
79) 2-Chlorotoluene	12.676	91	149376	18.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	174371	18.899	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11725	17.932	ug/l	98
82) 4-Chlorotoluene	12.779	91	156430	19.034	ug/l	100
83) tert-Butylbenzene	12.999	119	154652	18.819	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	173659	19.044	ug/l	99
85) sec-Butylbenzene	13.176	105	231681	19.291	ug/l	100
86) p-Isopropyltoluene	13.291	119	190946	19.237	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	102012	19.103	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	99610	18.879	ug/l	97
89) n-Butylbenzene	13.615	91	171547	18.688	ug/l	99
90) Hexachloroethane	13.877	117	41020	18.858	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	89545	19.263	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5695	18.104	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	46354	18.388	ug/l	99
94) Hexachlorobutadiene	15.023	225	30099	19.118	ug/l	99
95) Naphthalene	15.145	128	71772	17.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39094	18.186	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

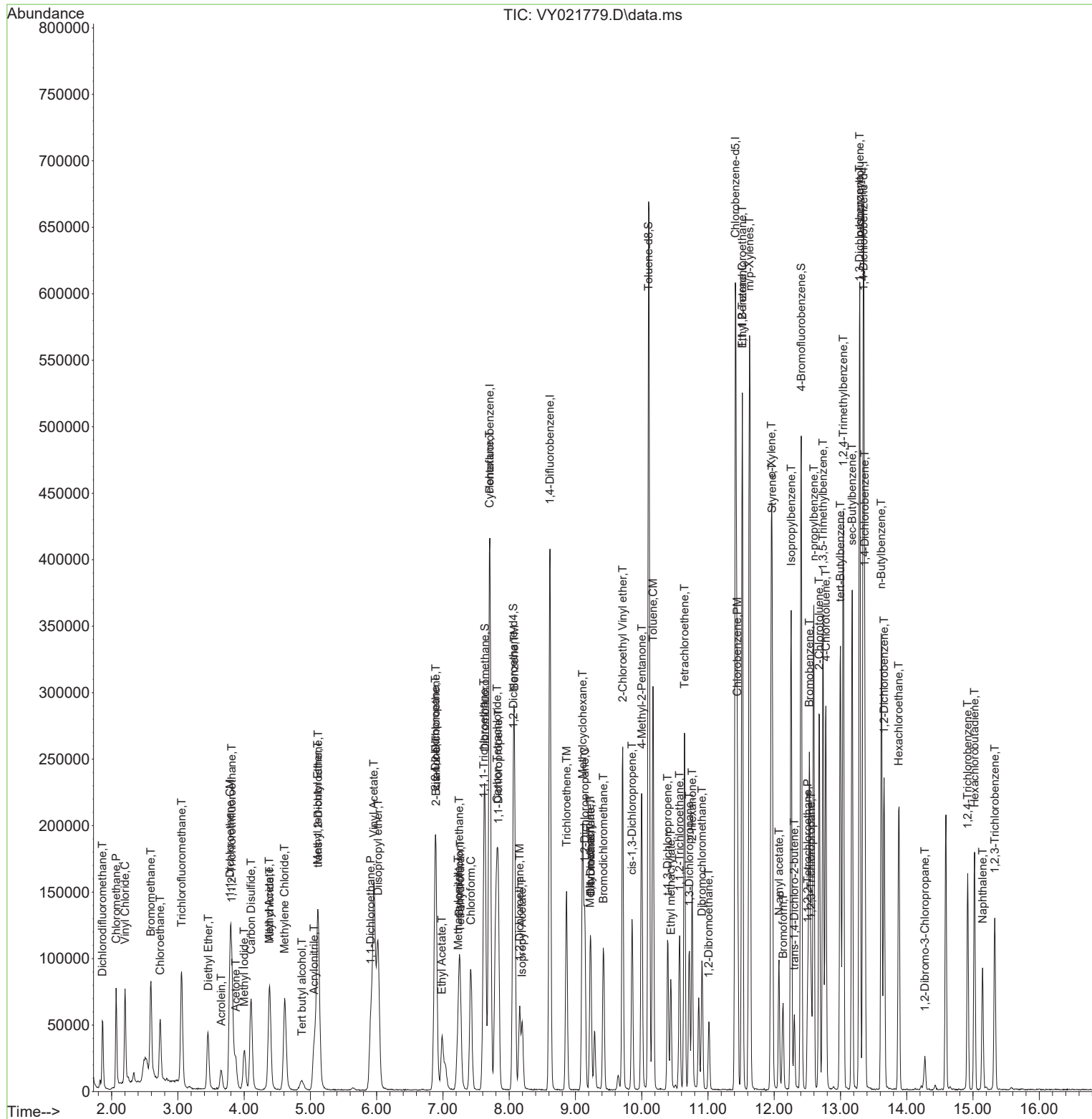
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
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 Acq On : 04 Apr 2025 10:49
 Operator : SY/MD
 Sample : VY0404SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 5 Sample Multiplier: 1

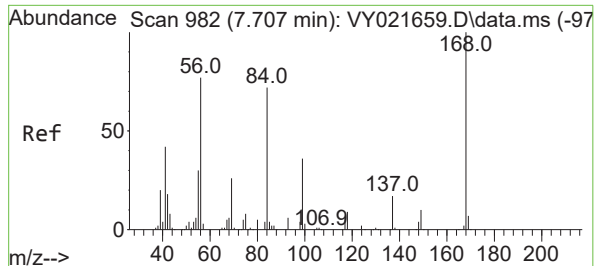
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 04/07/2025
 Supervised By : Semsettin Yesilyurt 04/07/2025

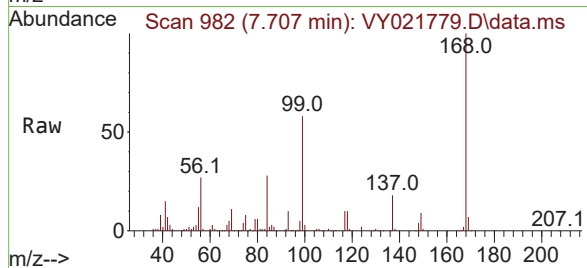
Quant Time: Apr 04 23:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

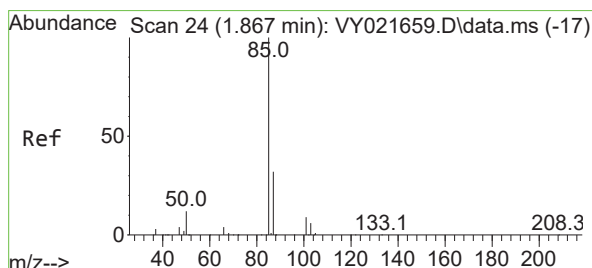
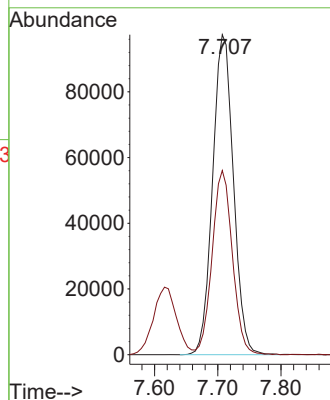
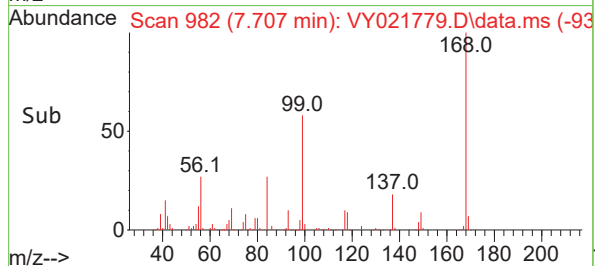
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion: 168 Resp: 222129
Ion Ratio Lower Upper
168 100
99 57.6 46.7 70.1

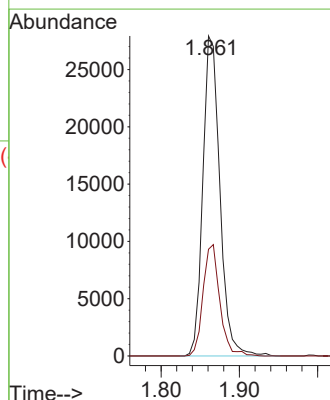
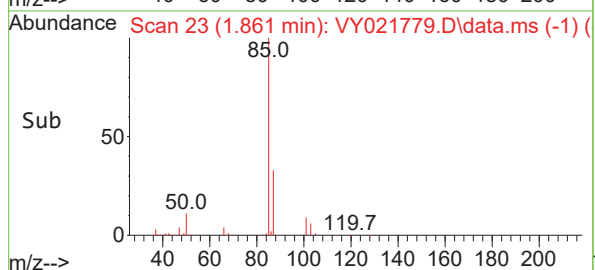
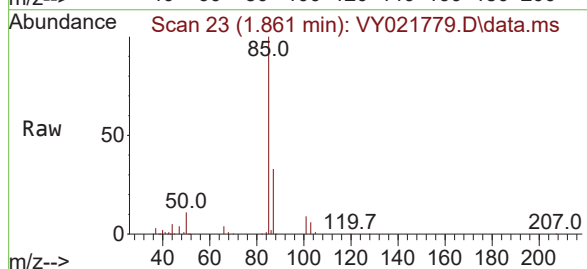
Manual Integrations
APPROVED

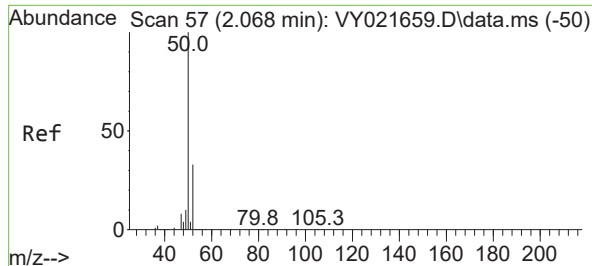
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#2
Dichlorodifluoromethane
Concen: 18.309 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 85 Resp: 42153
Ion Ratio Lower Upper
85 100
87 33.3 16.2 48.6





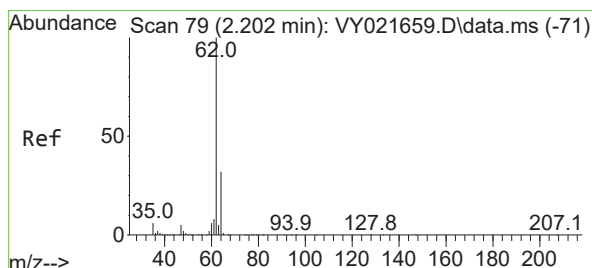
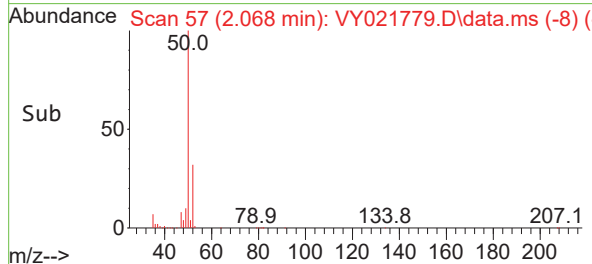
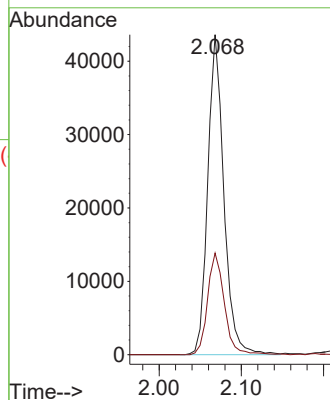
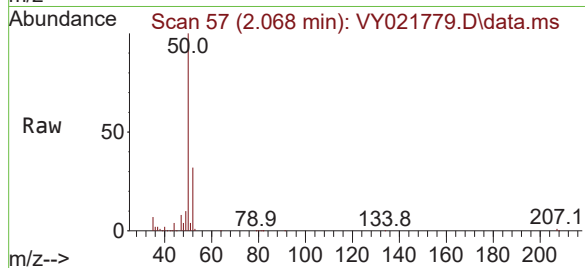
#3
Chloromethane
Concen: 18.329 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 50 Resp: 59338
Ion Ratio Lower Upper
50 100
52 31.8 26.3 39.5

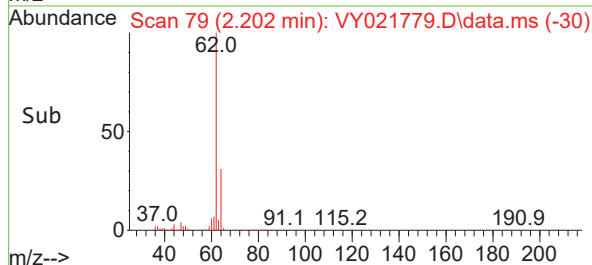
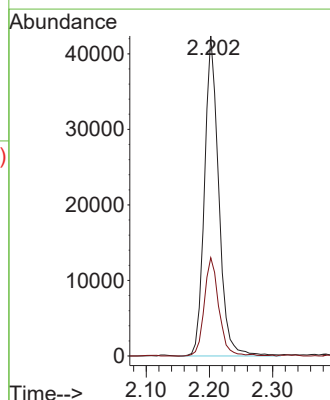
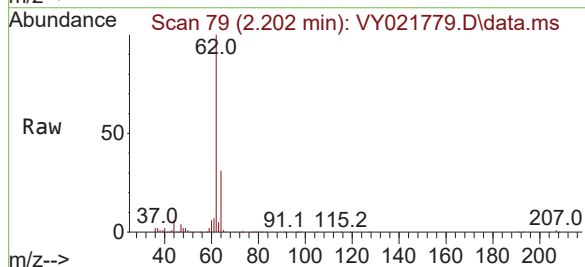
Manual Integrations
APPROVED

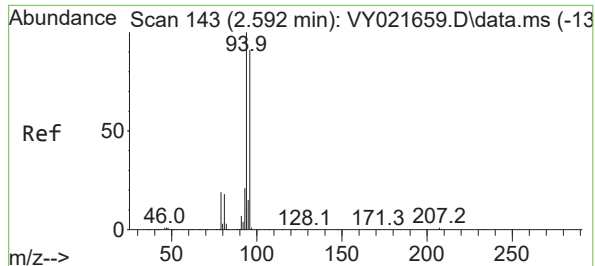
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#4
Vinyl Chloride
Concen: 18.205 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

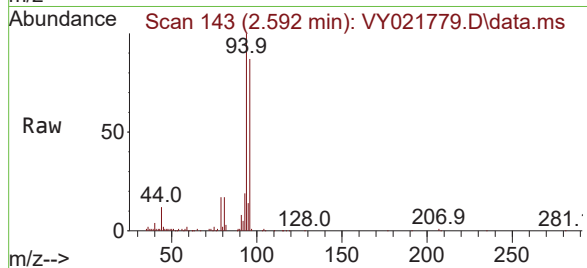
Tgt Ion: 62 Resp: 66651
Ion Ratio Lower Upper
62 100
64 30.7 25.5 38.3





#5
Bromomethane
Concen: 19.158 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

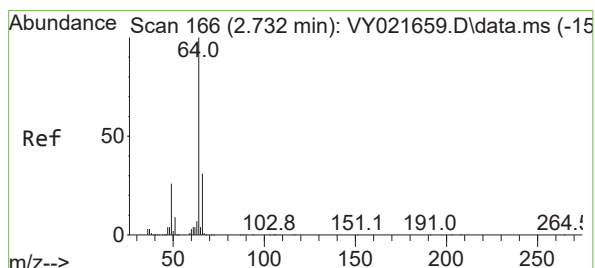
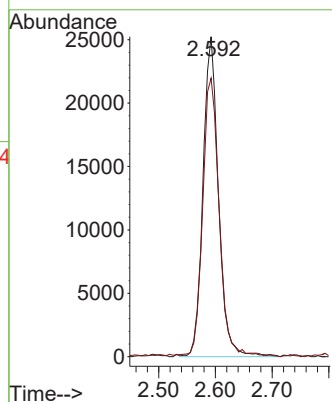
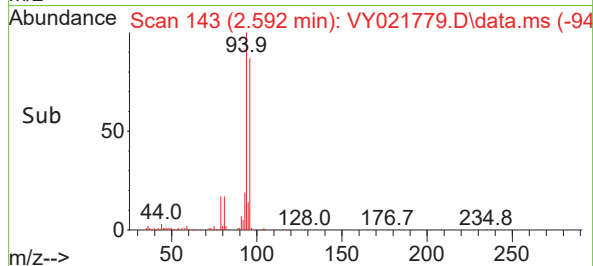
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



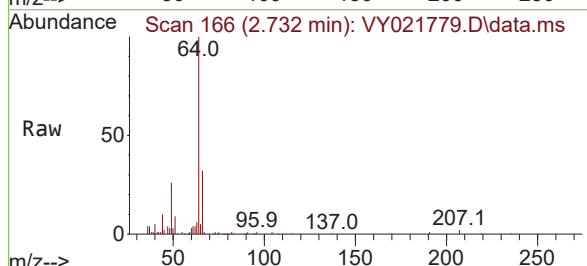
Tgt Ion: 94 Resp: 47838
Ion Ratio Lower Upper
94 100
96 87.0 72.8 109.2

Manual Integrations
APPROVED

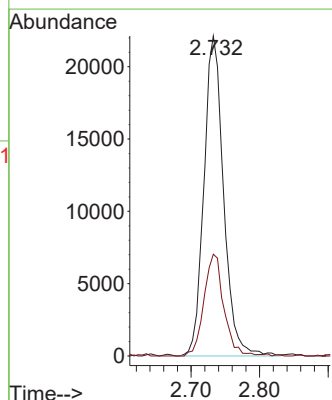
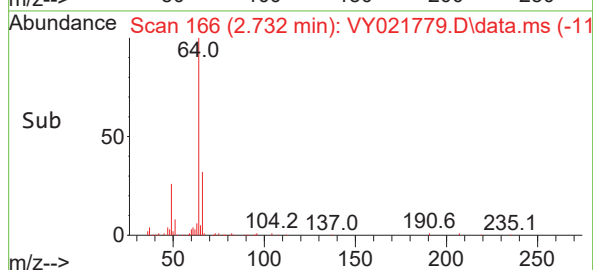
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

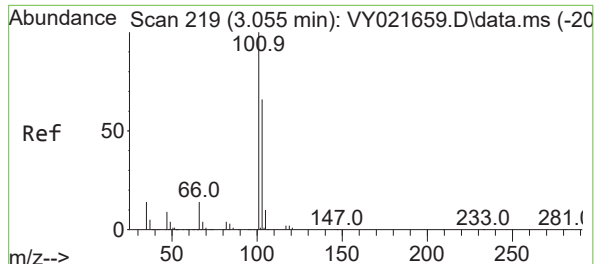


#6
Chloroethane
Concen: 18.477 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49



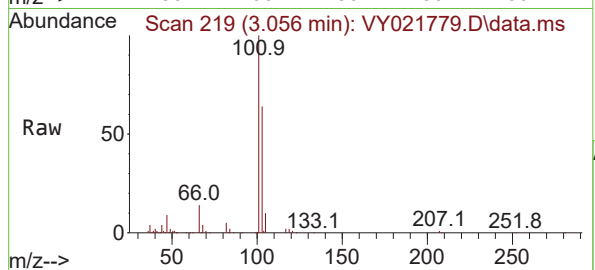
Tgt Ion: 64 Resp: 44266
Ion Ratio Lower Upper
64 100
66 31.8 24.9 37.3





#7
Trichlorofluoromethane
Concen: 18.549 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

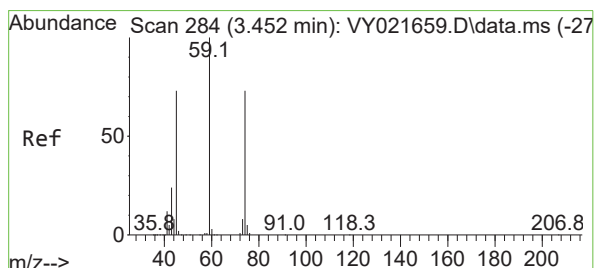
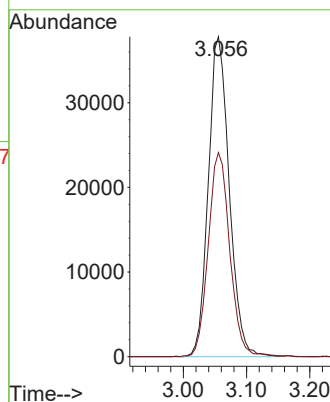
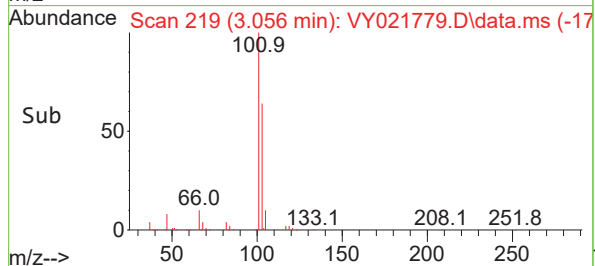
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion:101 Resp: 86990
Ion Ratio Lower Upper
101 100
103 63.8 53.1 79.7

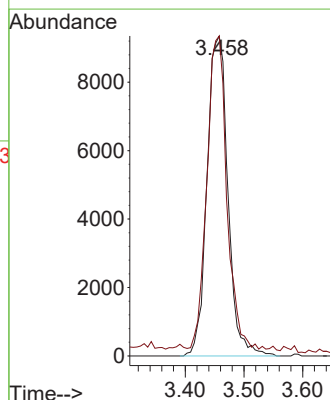
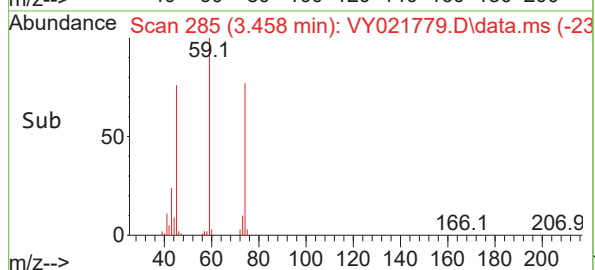
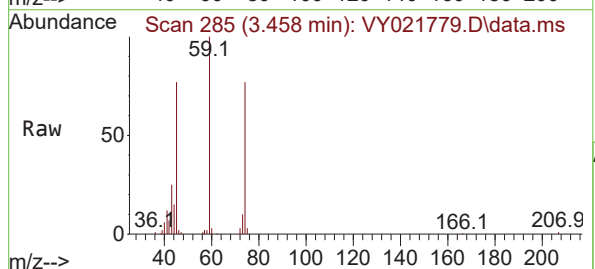
Manual Integrations
APPROVED

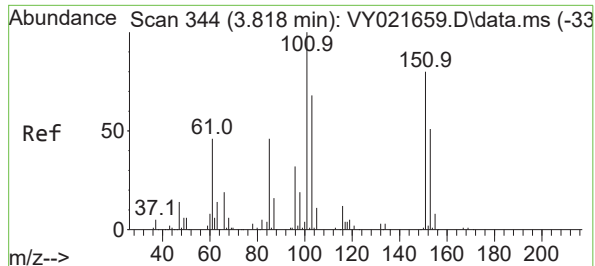
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#8
Diethyl Ether
Concen: 18.078 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 74 Resp: 23057
Ion Ratio Lower Upper
74 100
45 92.7 48.6 145.8





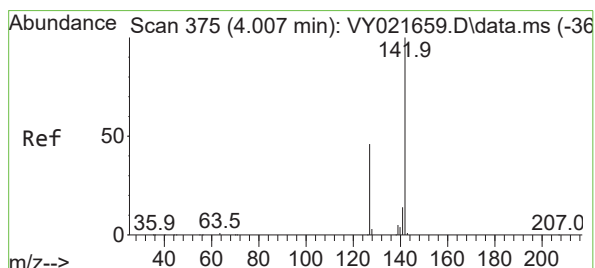
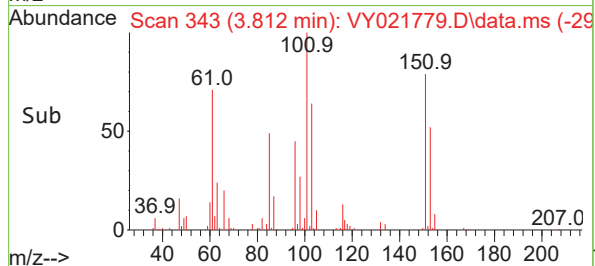
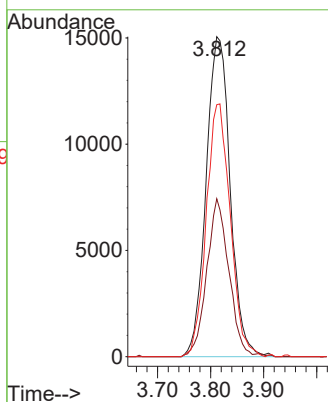
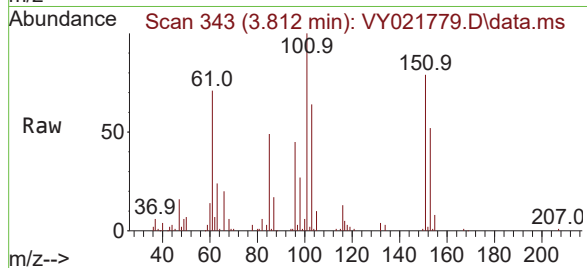
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.235 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:101 Resp: 4758
Ion Ratio Lower Upper
101 100
85 45.2 36.3 54.5
151 78.7 61.3 91.9

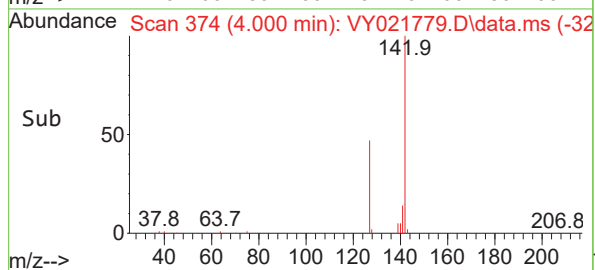
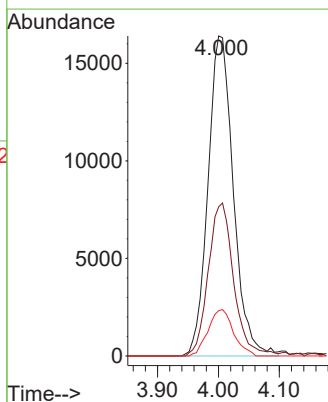
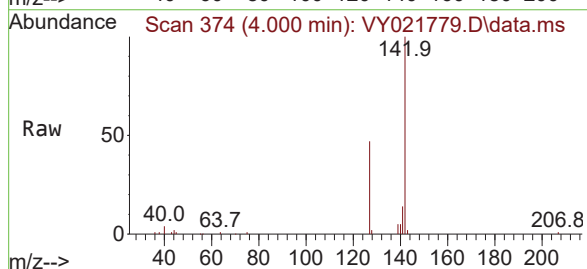
Manual Integrations
APPROVED

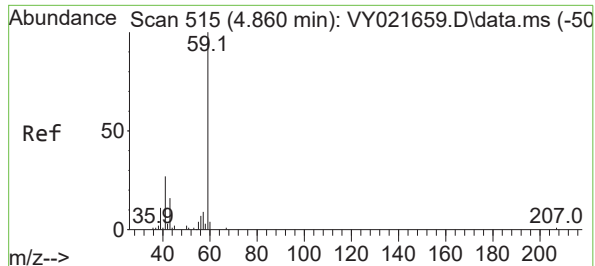
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#10
Methyl Iodide
Concen: 17.468 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:142 Resp: 47402
Ion Ratio Lower Upper
142 100
127 47.8 38.7 58.1
141 14.5 11.5 17.3





#11

Tert butyl alcohol

Concen: 83.987 ug/l

RT: 4.872 min Scan# 515

Delta R.T. 0.012 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 59 Resp: 13129

Ion Ratio Lower Upper

59 100

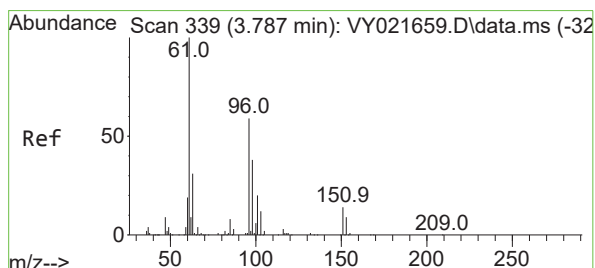
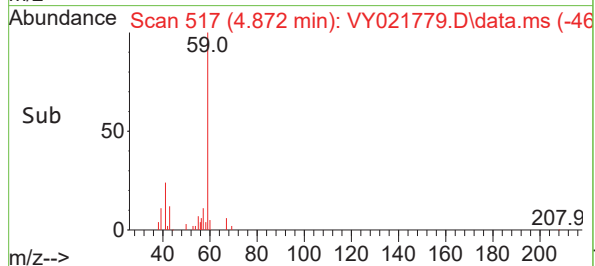
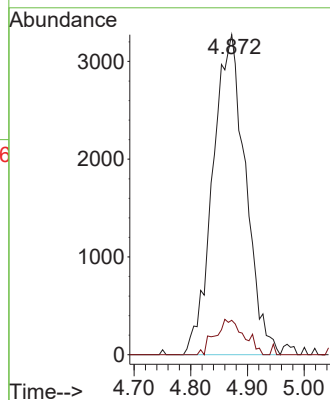
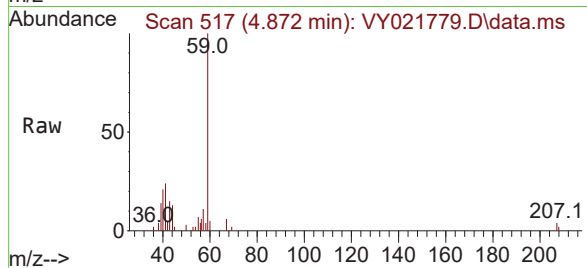
57 9.8 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#12

1,1-Dichloroethene

Concen: 18.565 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

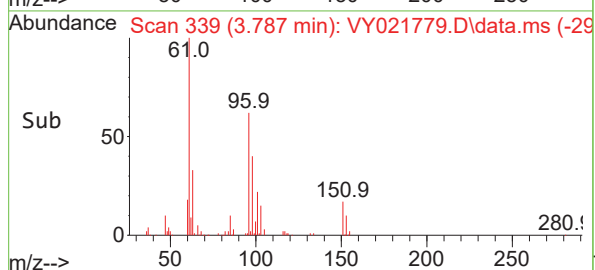
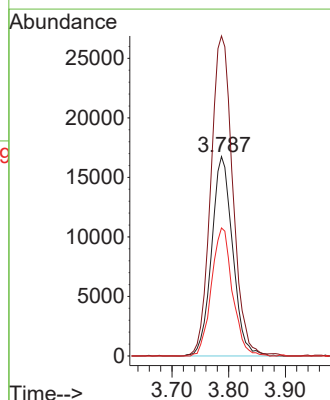
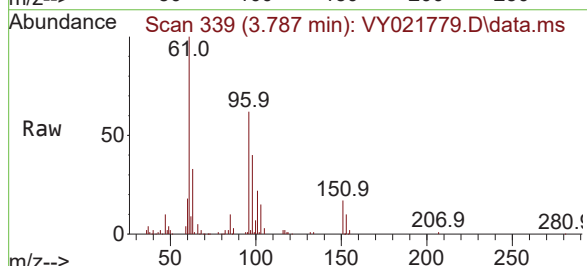
Tgt Ion: 96 Resp: 43256

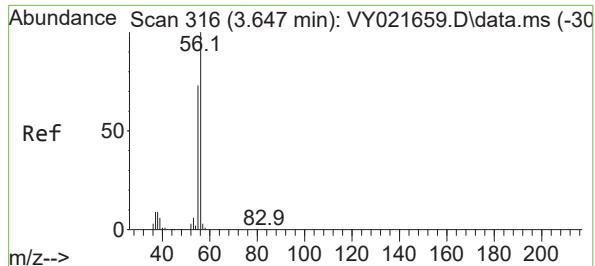
Ion Ratio Lower Upper

96 100

61 160.5 136.6 204.8

98 64.2 52.3 78.5





#13

Acrolein

Concen: 60.655 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 56 Resp: 1731

Ion Ratio Lower Upper

56 100

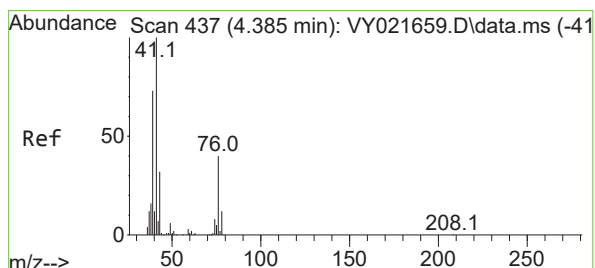
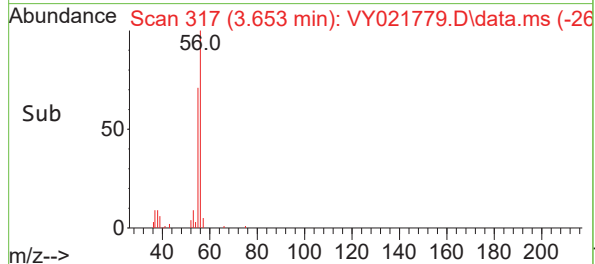
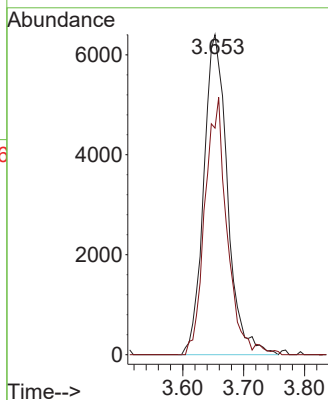
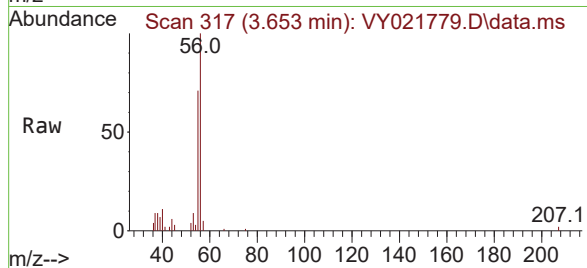
55 75.3 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#14

Allyl chloride

Concen: 18.101 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

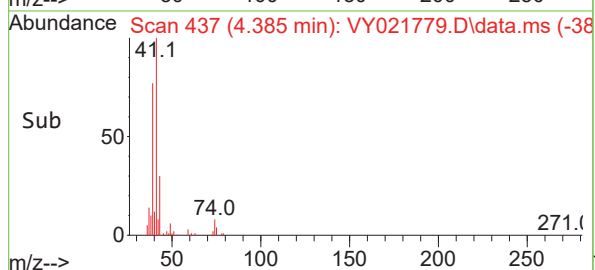
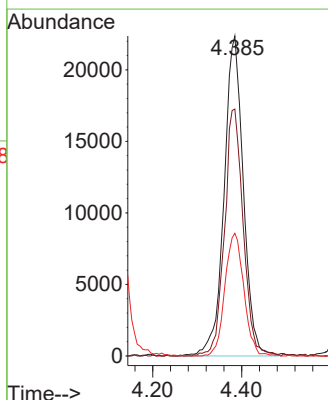
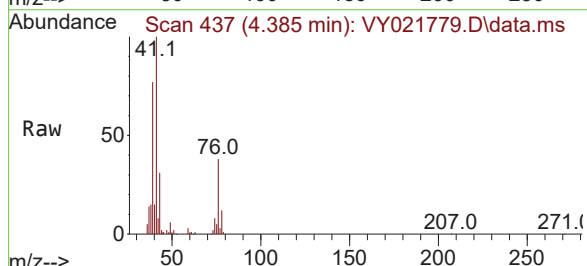
Tgt Ion: 41 Resp: 67244

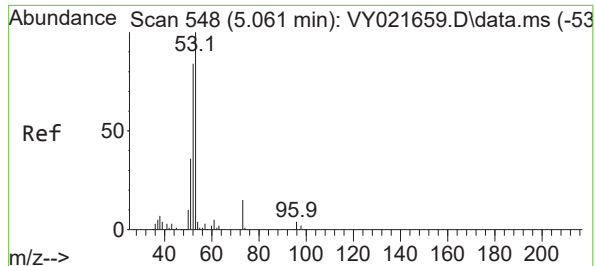
Ion Ratio Lower Upper

41 100

39 74.9 58.6 88.0

76 37.7 30.3 45.5





#15

Acrylonitrile

Concen: 90.082 ug/l

RT: 5.055 min Scan# 548

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

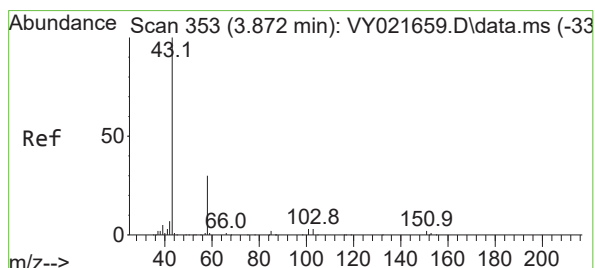
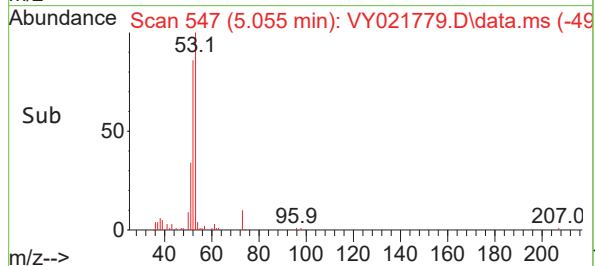
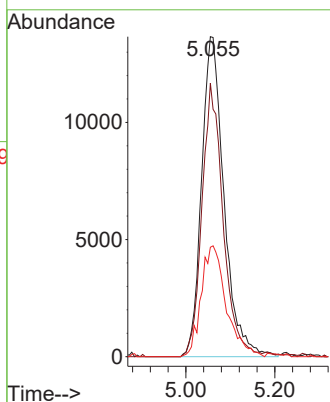
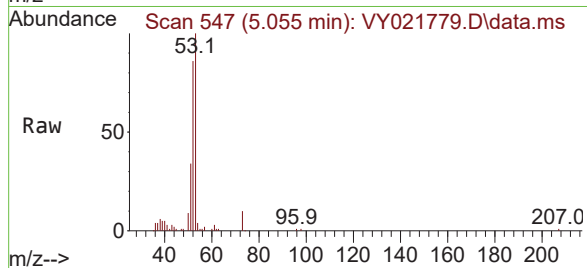
ClientSampleId :

VY0404SBSD01

Tgt Ion: 53	Resp: 47972
Ion Ratio	Lower Upper
53 100	
52 80.3	64.9 97.3
51 38.6	30.2 45.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#16

Acetone

Concen: 80.784 ug/l

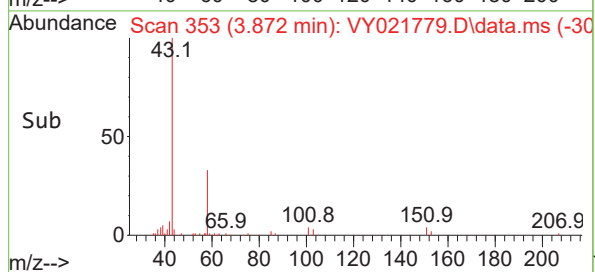
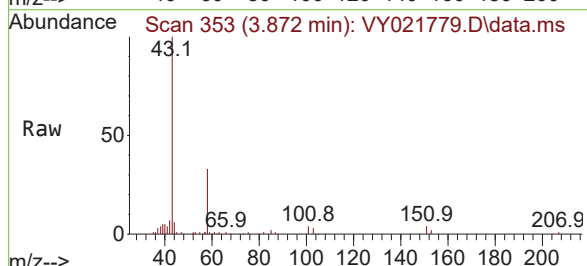
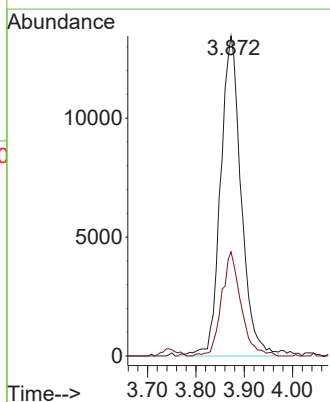
RT: 3.872 min Scan# 353

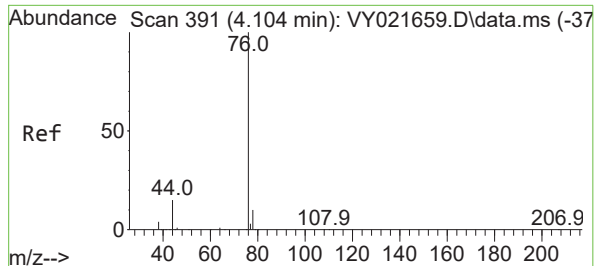
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion: 43	Resp: 39791
Ion Ratio	Lower Upper
43 100	
58 32.5	24.2 36.4





#17

Carbon Disulfide

Concen: 17.828 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 76 Resp: 13681

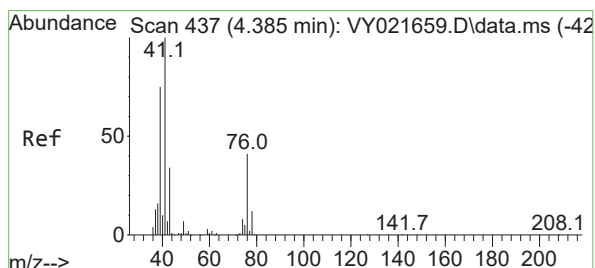
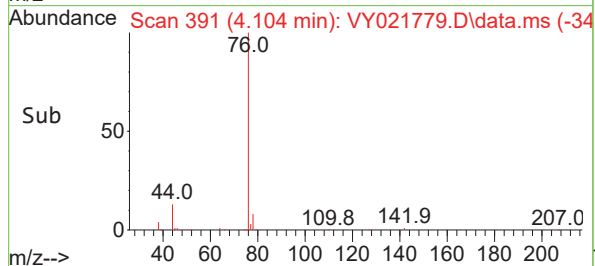
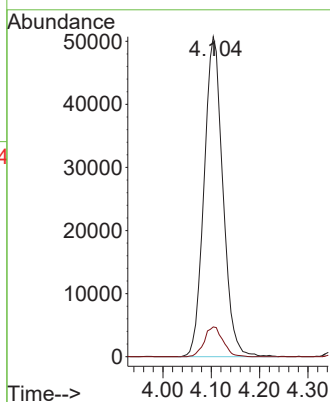
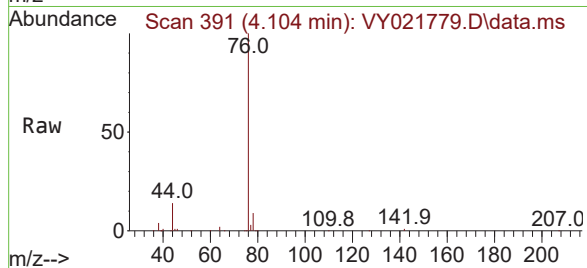
Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#18

Methyl Acetate

Concen: 17.942 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021779.D

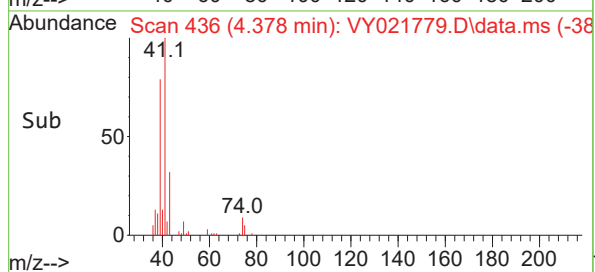
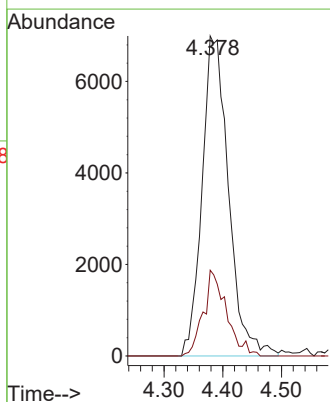
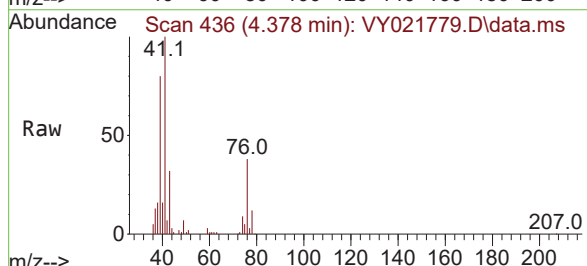
Acq: 04 Apr 2025 10:49

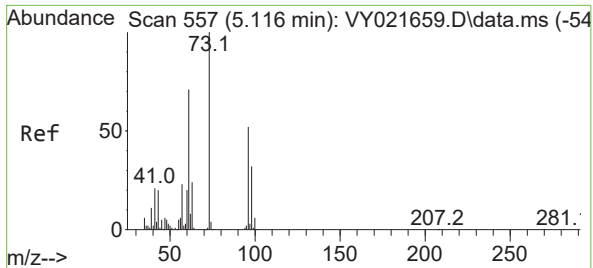
Tgt Ion: 43 Resp: 21903

Ion Ratio Lower Upper

43 100

74 23.4 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.696 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 73 Resp: 10265

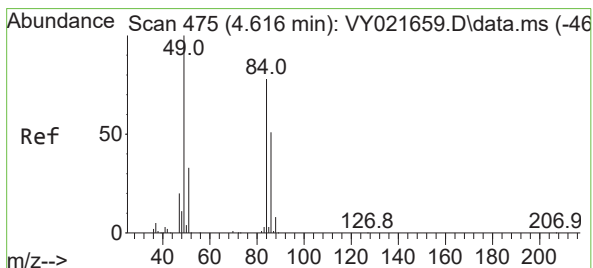
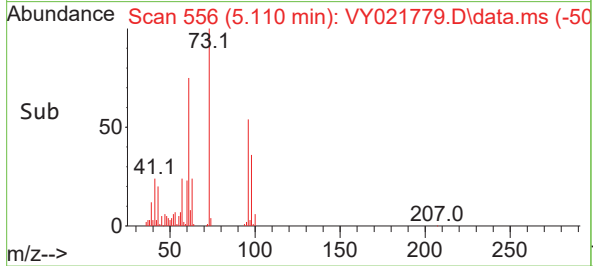
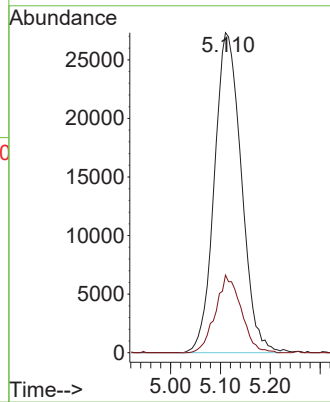
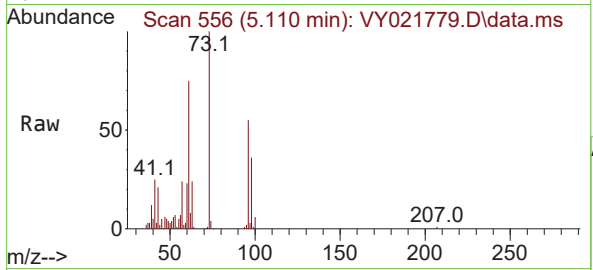
Ion Ratio Lower Upper

73 100

57 24.3 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#20

Methylene Chloride

Concen: 17.807 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion: 84 Resp: 48920

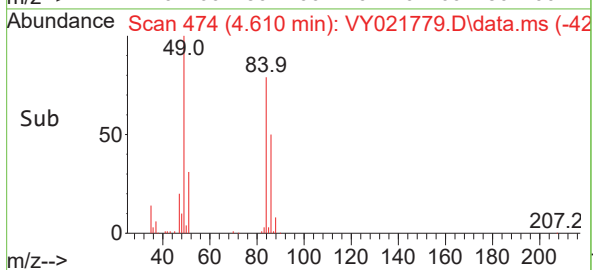
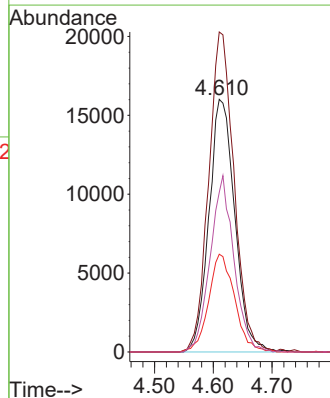
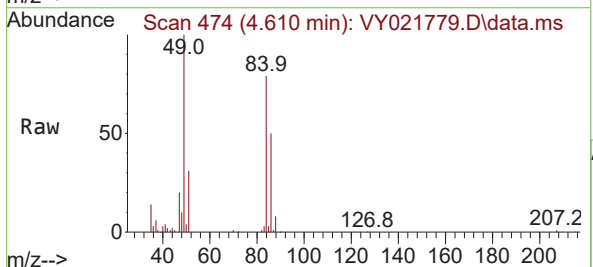
Ion Ratio Lower Upper

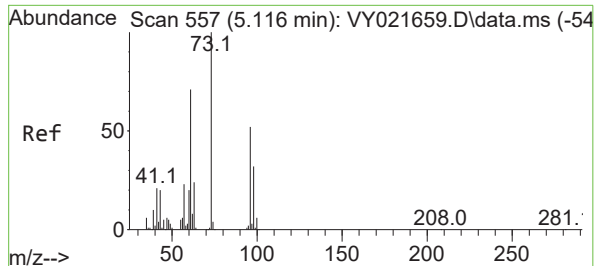
84 100

49 126.7 102.8 154.2

51 38.7 33.5 50.3

86 63.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.392 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY021779.D

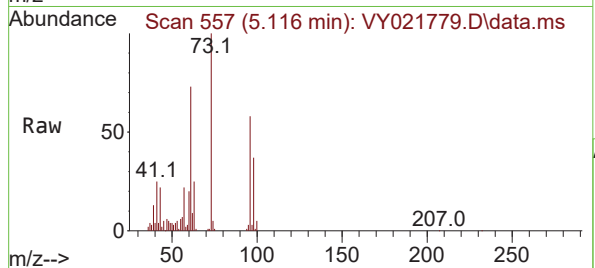
Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01



Tgt Ion: 96 Resp: 4718

Ion Ratio Lower Upper

96 100

61 127.1 109.4 164.0

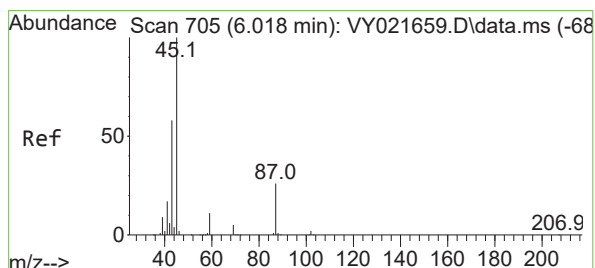
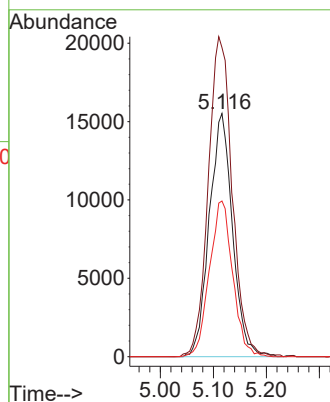
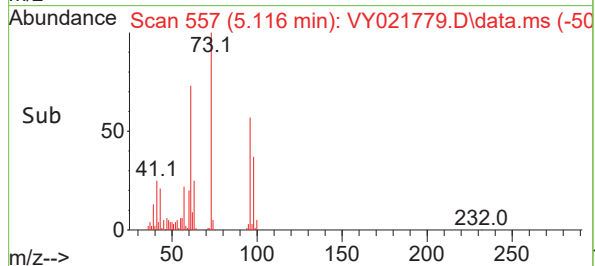
98 64.0 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#22

Diisopropyl ether

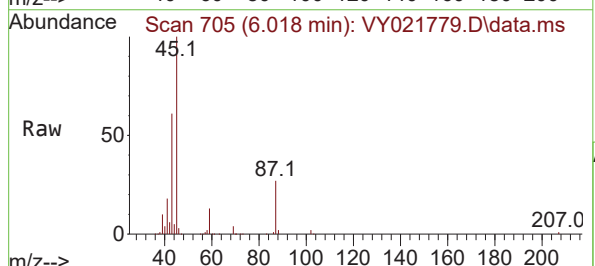
Concen: 18.736 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49



Tgt Ion: 45 Resp: 146004

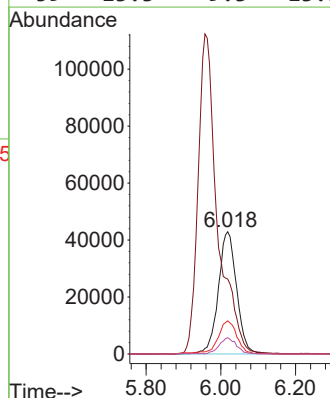
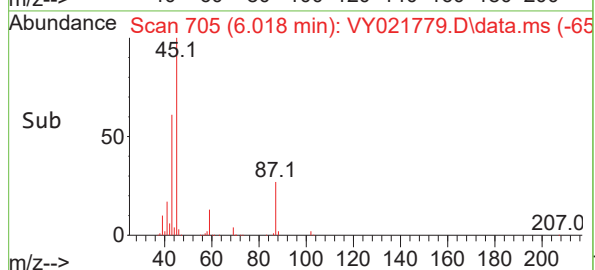
Ion Ratio Lower Upper

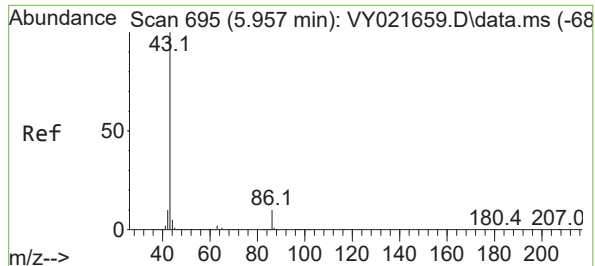
45 100

43 60.9 46.6 69.8

87 27.1 20.7 31.1

59 13.3 9.3 13.9





#23

Vinyl Acetate

Concen: 88.983 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 43 Resp: 405658

Ion Ratio Lower Upper

43

100

86

10.1

8.2

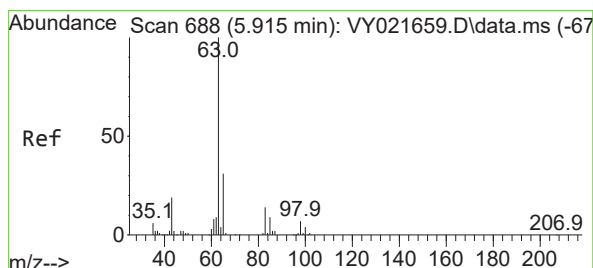
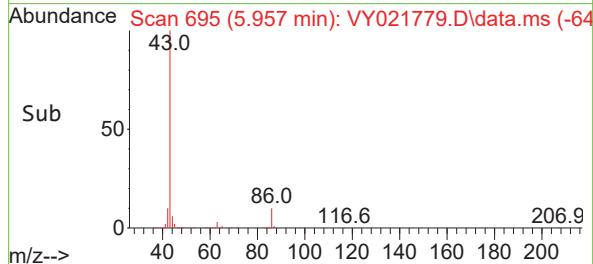
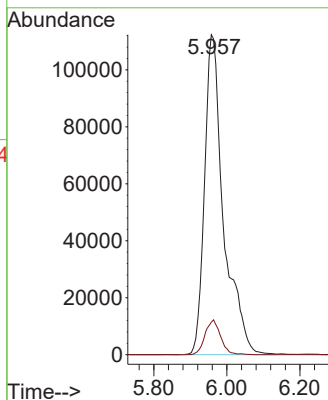
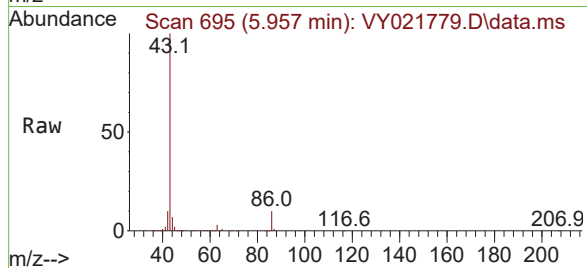
12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#24

1,1-Dichloroethane

Concen: 18.721 ug/l

RT: 5.909 min Scan# 687

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 87235

Ion Ratio Lower Upper

63

100

98

6.9

3.5

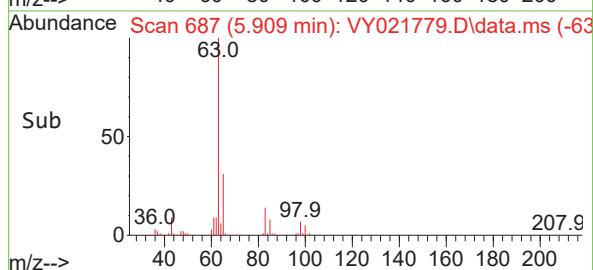
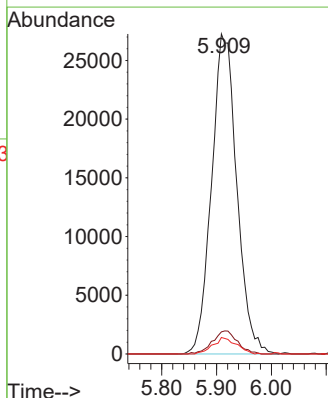
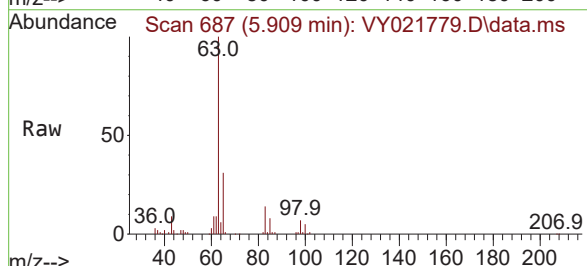
10.5

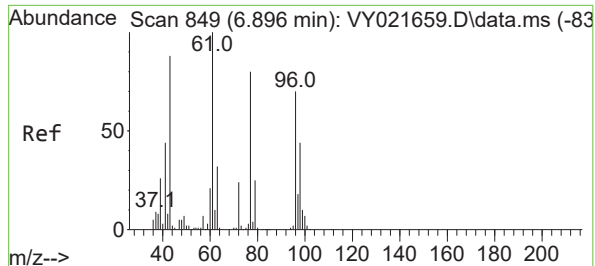
100

5.1

2.2

6.6





#25

2-Butanone

Concen: 84.459 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 43 Resp: 59419

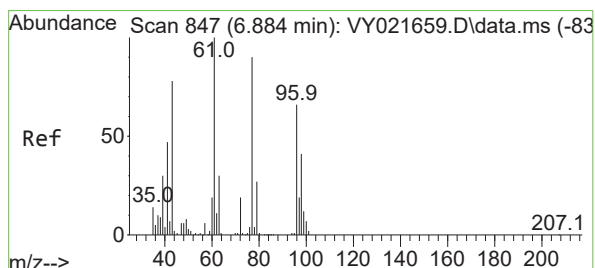
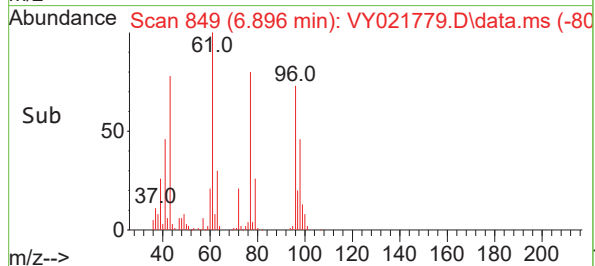
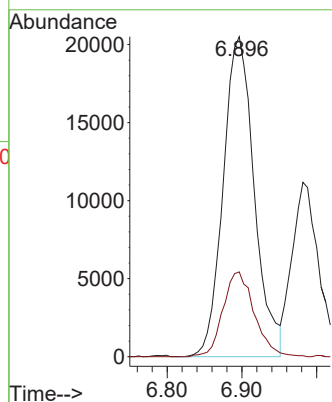
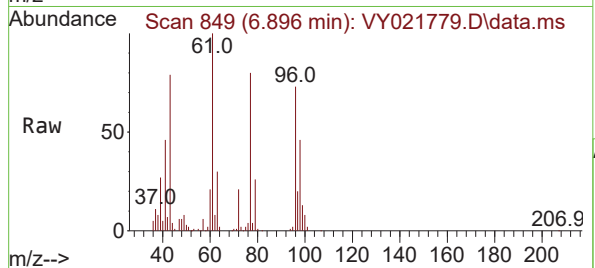
Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#26

2,2-Dichloropropane

Concen: 18.682 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021779.D

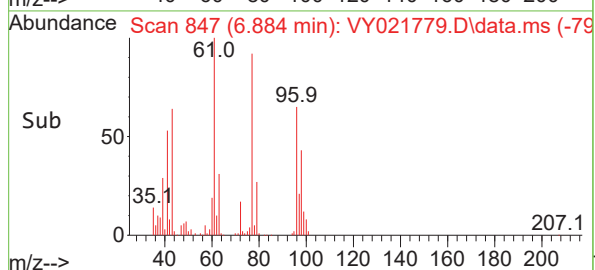
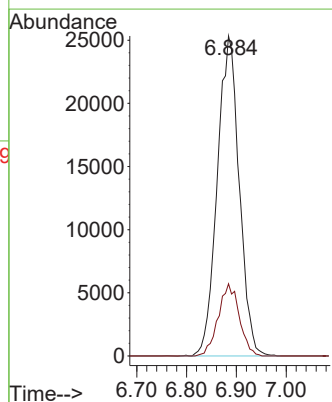
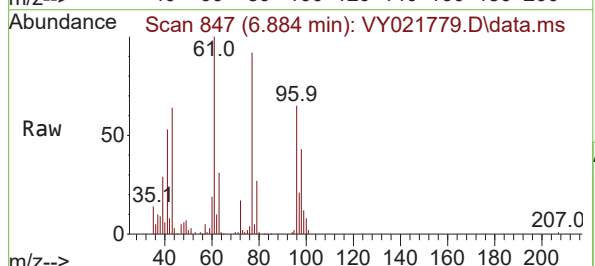
Acq: 04 Apr 2025 10:49

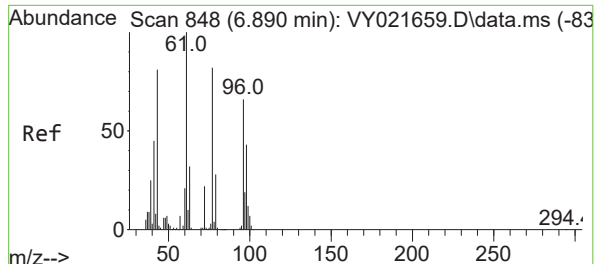
Tgt Ion: 77 Resp: 77434

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 18.489 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 96 Resp: 5333

Ion Ratio Lower Upper

96 100

61 146.2 0.0 296.4

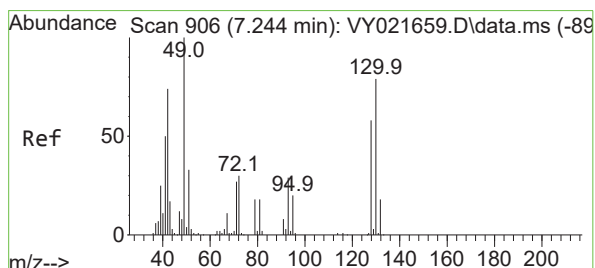
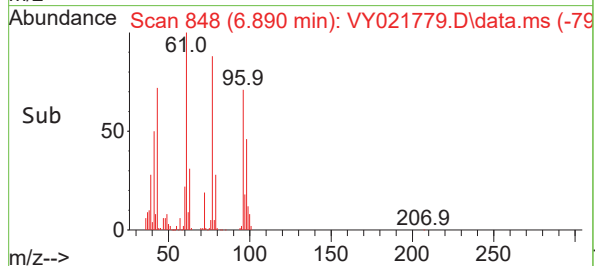
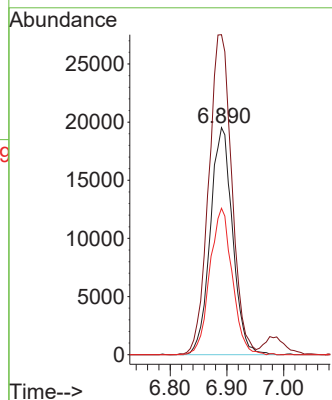
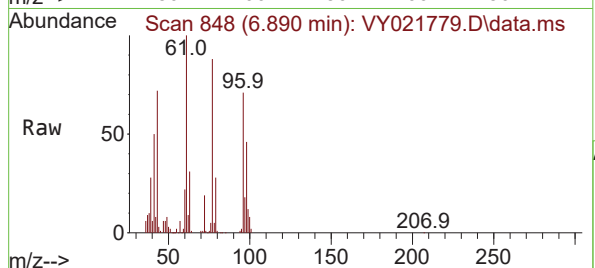
98 64.9 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#28

Bromochloromethane

Concen: 19.353 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

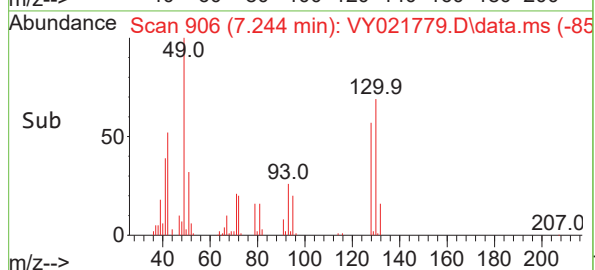
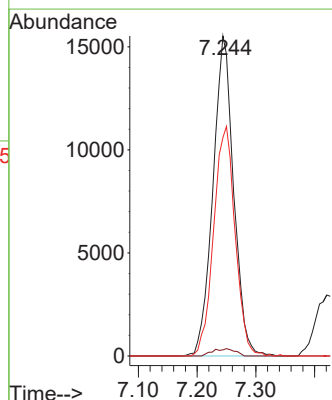
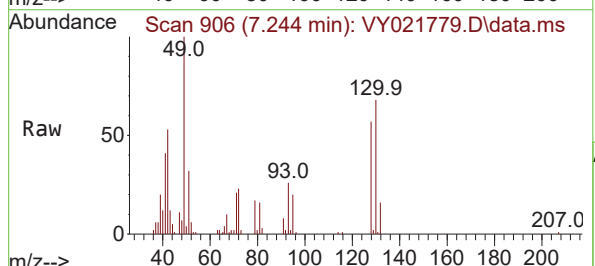
Tgt Ion: 49 Resp: 38032

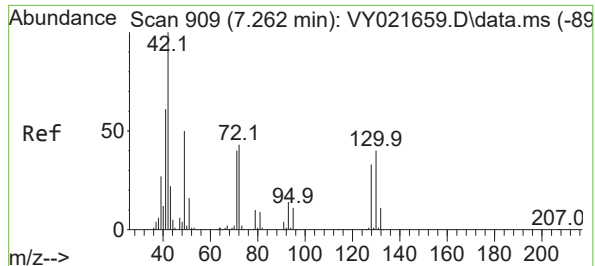
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

130 74.3 60.1 90.1





#29

Tetrahydrofuran

Concen: 87.766 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

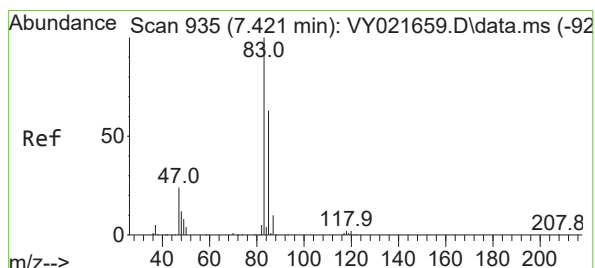
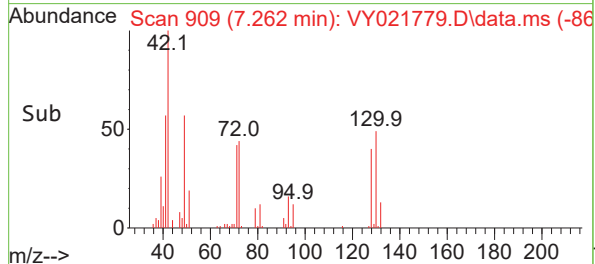
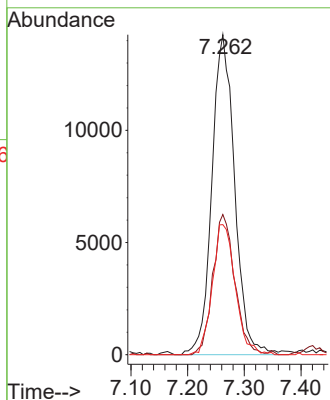
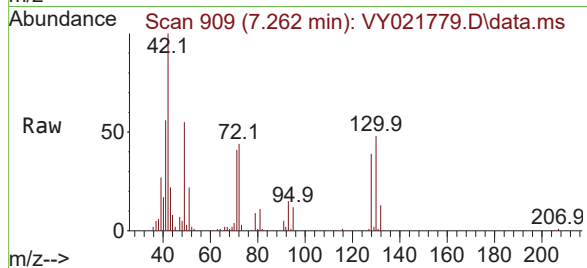
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	42	Resp:	39739
Ion Ratio	Lower	Upper	
42	100		
72	42.2	34.6	52.0
71	40.9	32.5	48.7

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#30

Chloroform

Concen: 18.621 ug/l

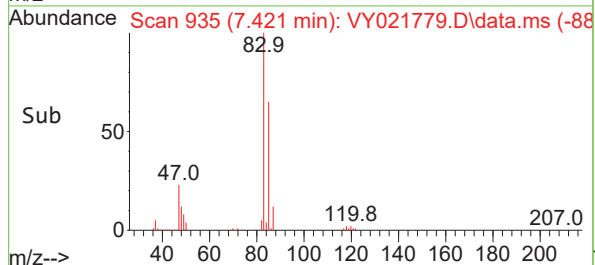
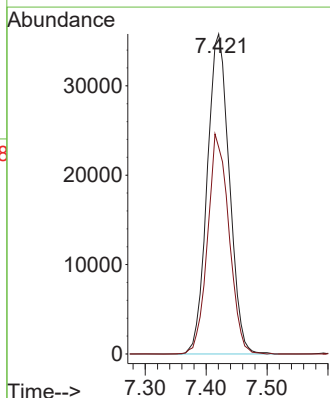
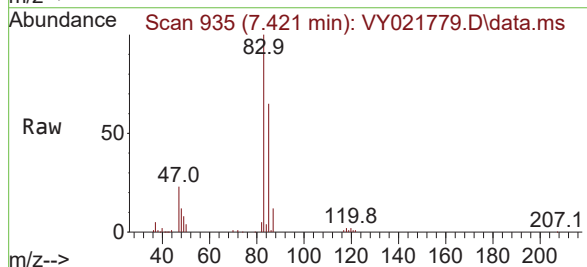
RT: 7.421 min Scan# 935

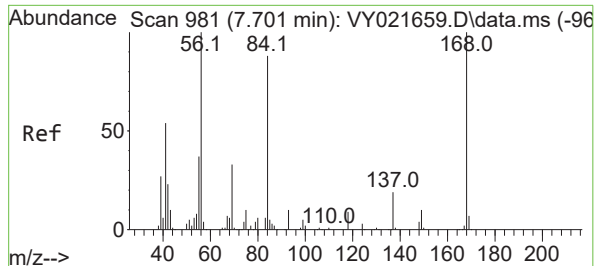
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	83	Resp:	90247
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 17.858 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

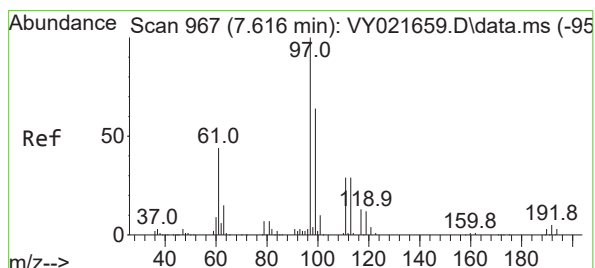
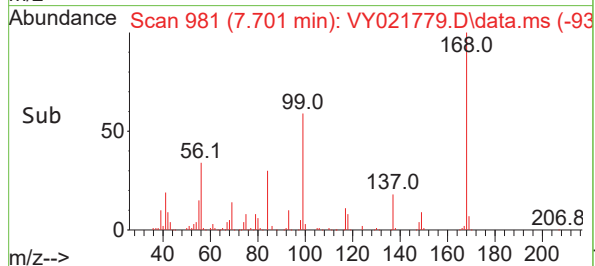
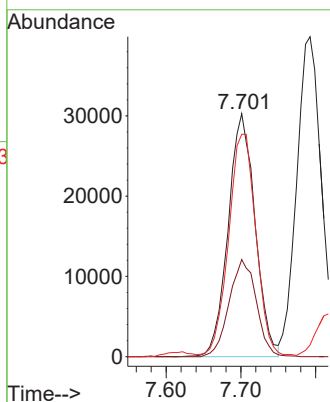
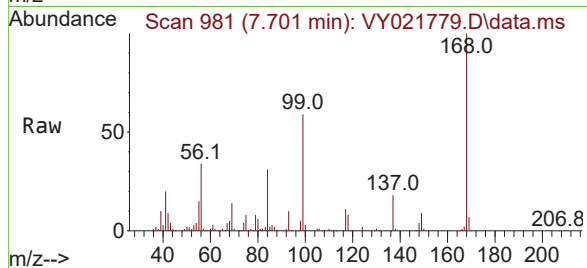
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion:	56	Resp:	7585
Ion Ratio	Lower	Upper	
56	100		
69	40.0	26.6	40.0
84	89.8	69.0	103.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#32

1,1,1-Trichloroethane

Concen: 19.159 ug/l

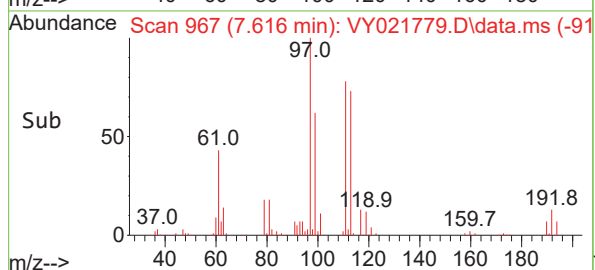
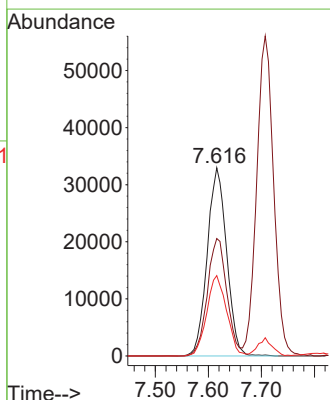
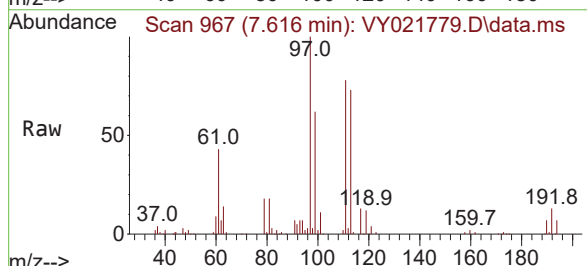
RT: 7.616 min Scan# 967

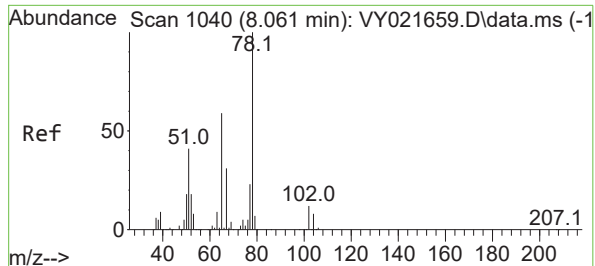
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	97	Resp:	83924
Ion Ratio	Lower	Upper	
97	100		
99	63.0	50.7	76.1
61	43.7	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 49.756 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 65 Resp: 11974

Ion Ratio Lower Upper

65 100

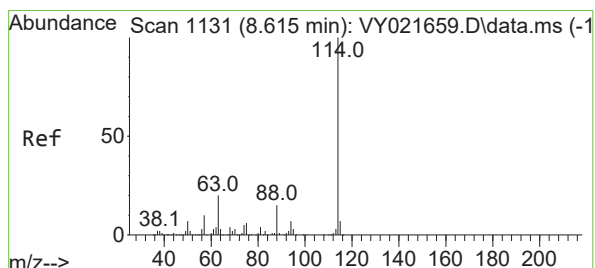
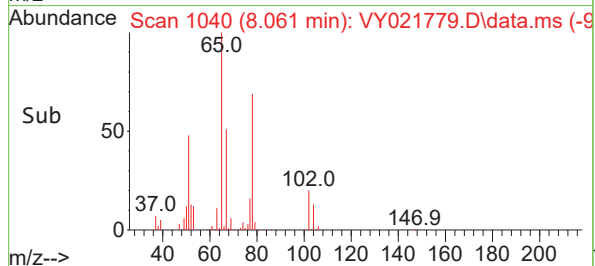
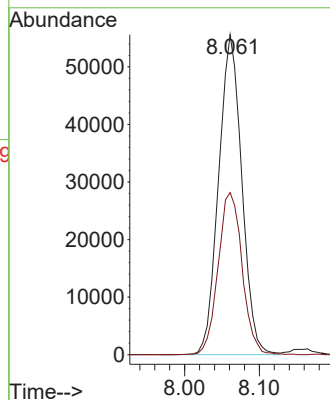
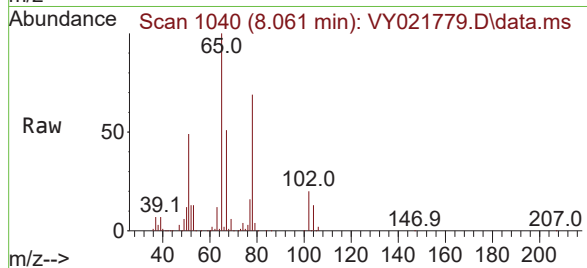
67 52.5 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

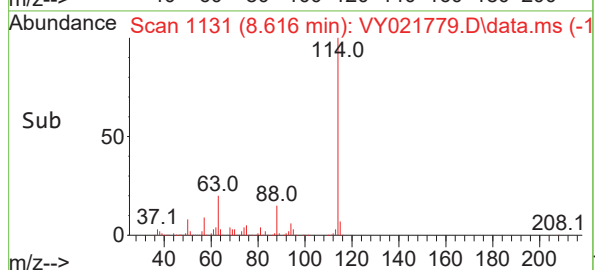
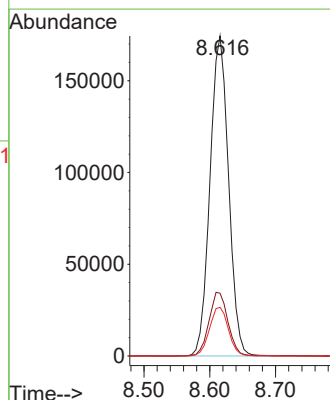
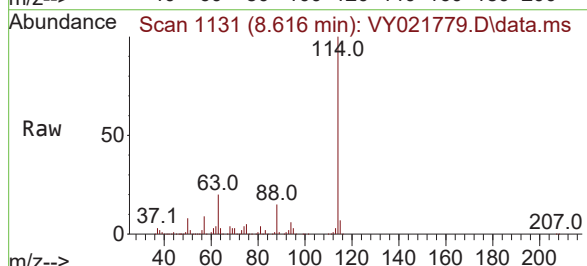
Tgt Ion:114 Resp: 342162

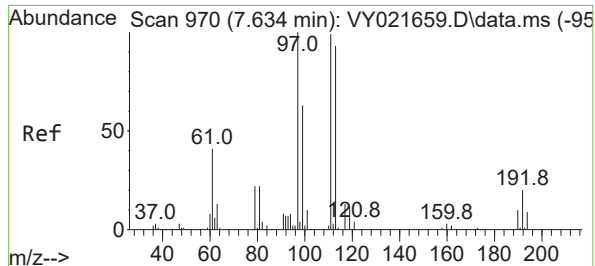
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.075 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:113 Resp: 11558

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

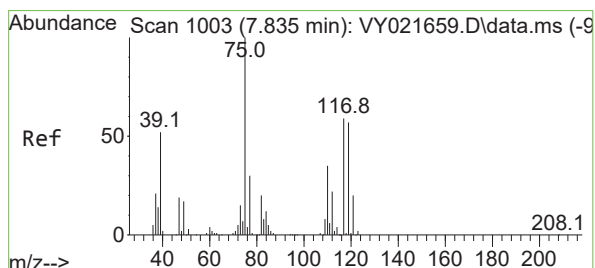
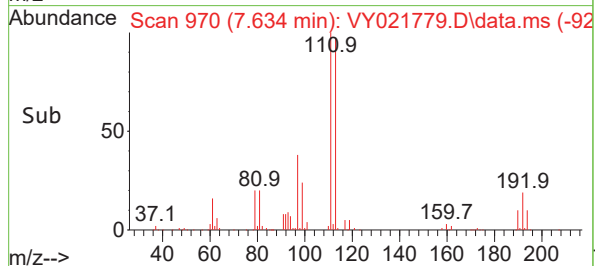
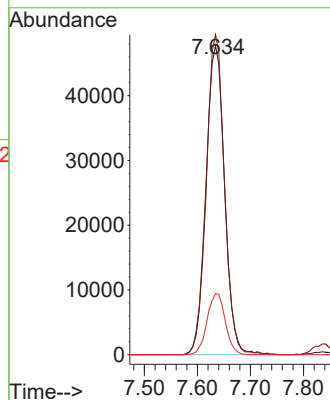
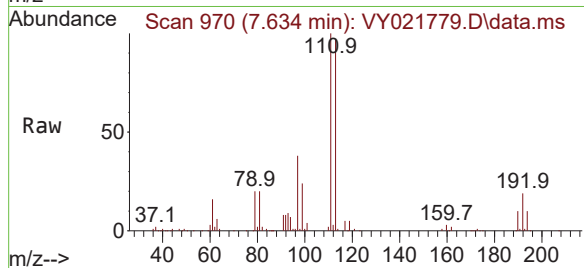
192 19.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#36

1,1-Dichloropropene

Concen: 19.535 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

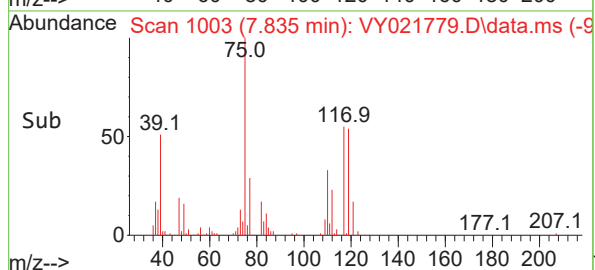
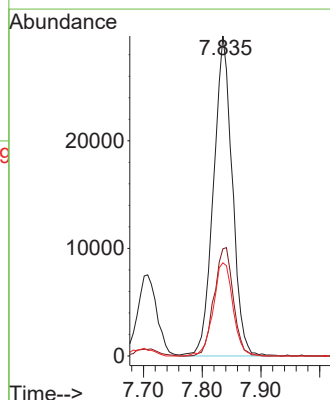
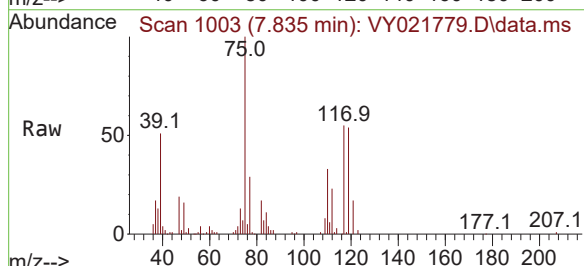
Tgt Ion: 75 Resp: 66042

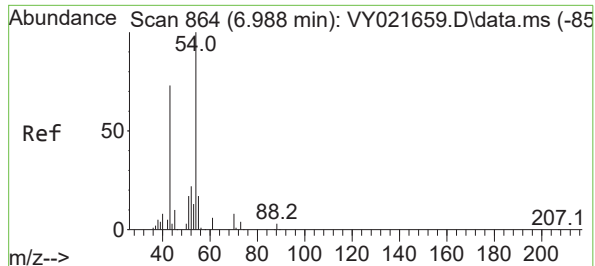
Ion Ratio Lower Upper

75 100

110 34.6 17.0 50.9

77 30.5 24.8 37.2





#37

Ethyl Acetate

Concen: 18.209 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

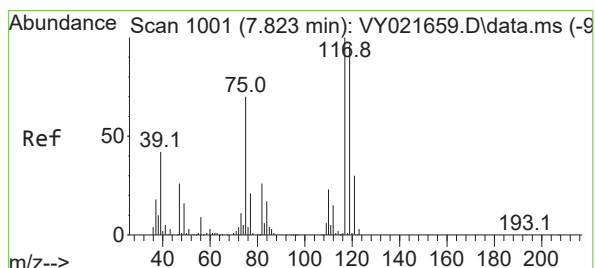
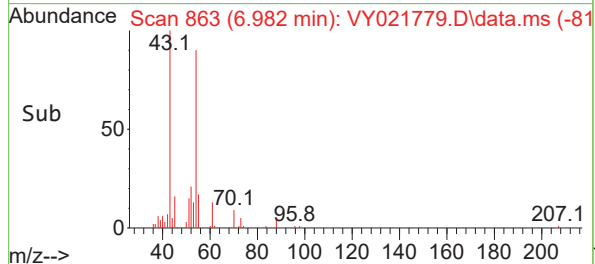
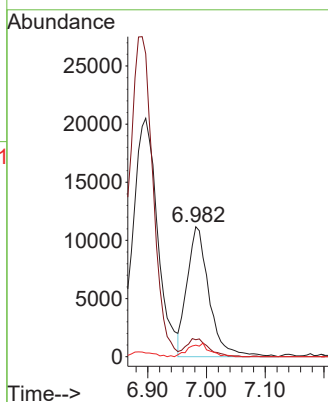
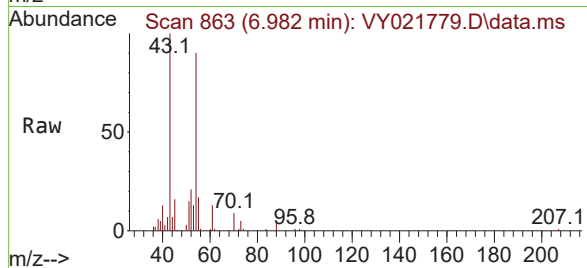
ClientSampleId :

VY0404SBSD01

Tgt Ion:	43	Resp:	2905
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	10.0	8.1	12.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#38

Carbon Tetrachloride

Concen: 19.595 ug/l

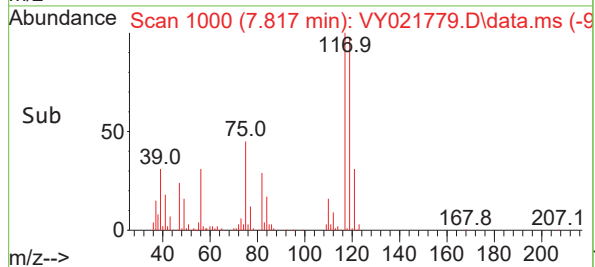
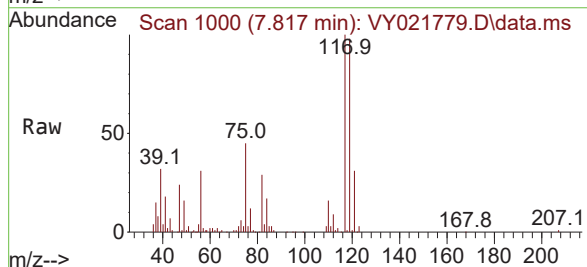
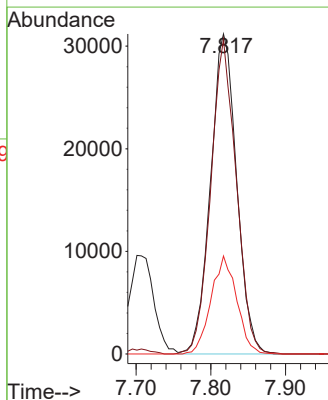
RT: 7.817 min Scan# 1000

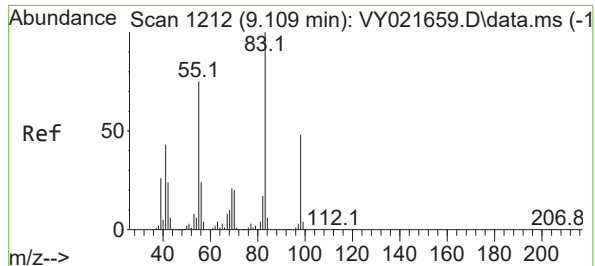
Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	117	Resp:	75873
Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.4
121	30.6	24.2	36.4





#39

Methylcyclohexane

Concen: 18.540 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

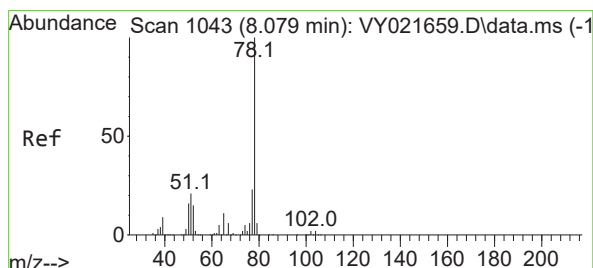
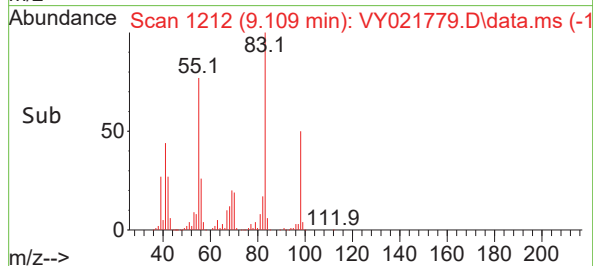
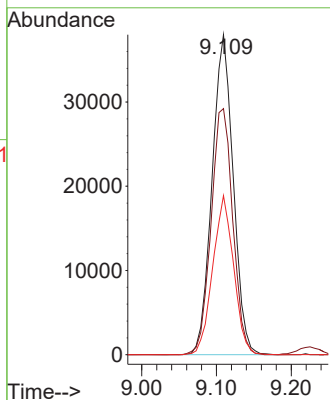
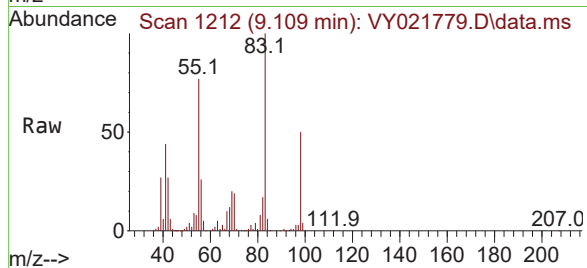
ClientSampleId :

VY0404SBSD01

Tgt Ion:	83	Resp:	74878
Ion	Ratio	Lower	Upper
83	100		
55	76.9	59.7	89.5
98	49.7	38.3	57.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#40

Benzene

Concen: 19.090 ug/l

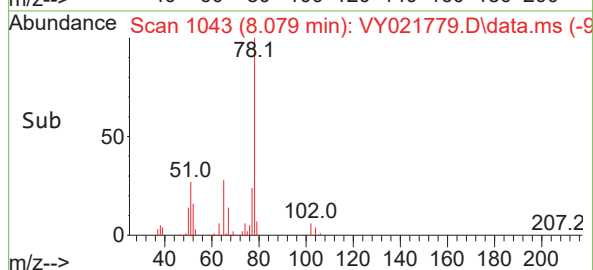
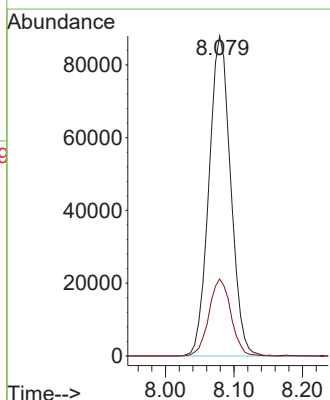
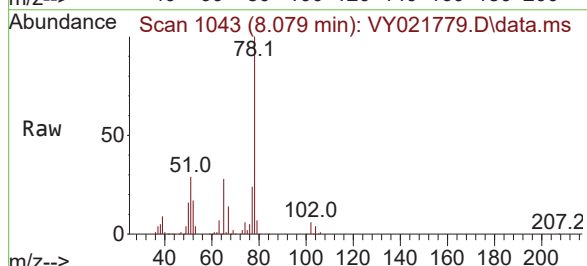
RT: 8.079 min Scan# 1043

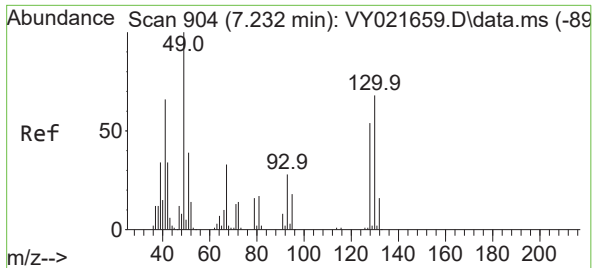
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

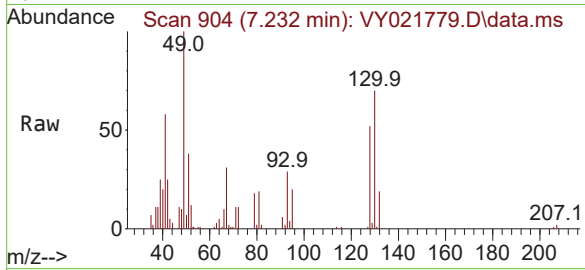
Tgt Ion:	78	Resp:	193271
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41
Methacrylonitrile
Concen: 18.667 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

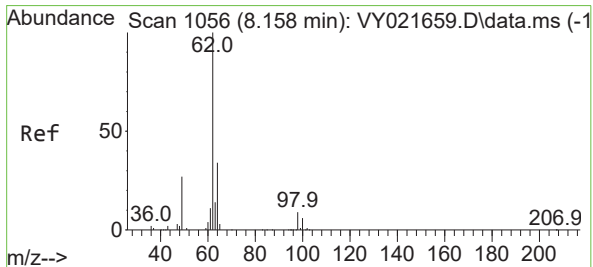
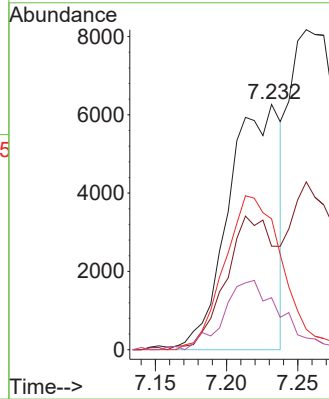
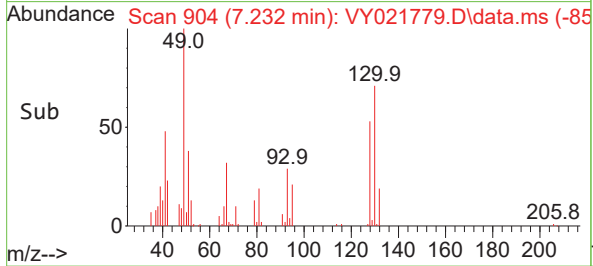
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion: 41 Resp: 1581
Ion Ratio Lower Upper
41 100
39 53.3 0.0 0.0
67 71.5 0.0 0.0
52 32.0 0.0 0.0

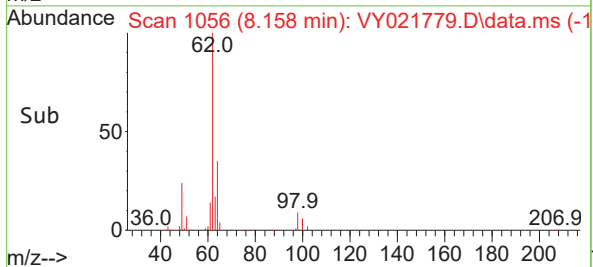
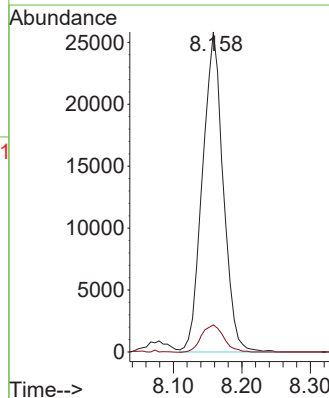
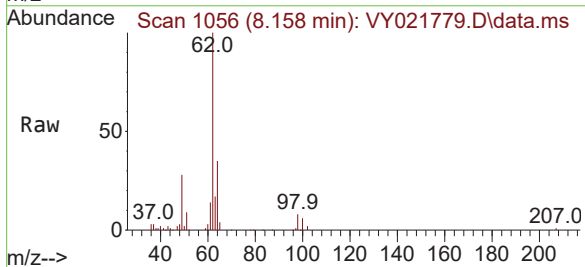
Manual Integrations
APPROVED

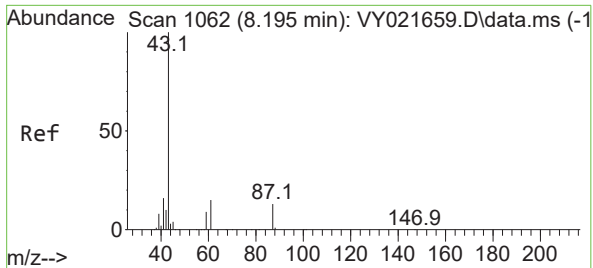
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#42
1,2-Dichloroethane
Concen: 19.057 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 54392
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.080 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

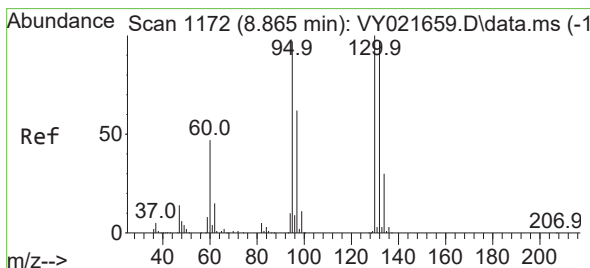
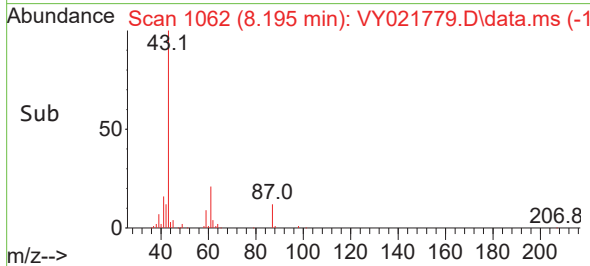
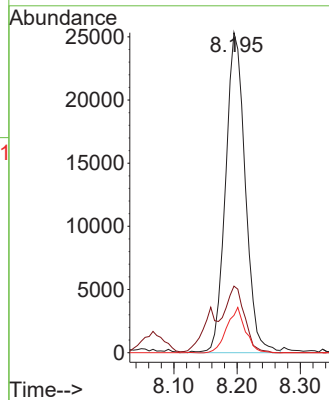
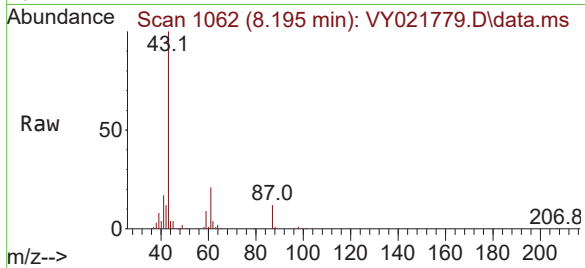
ClientSampleId :

VY0404SBSD01

Tgt Ion:	43	Resp:	5466
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.9	23.9
87	13.3	10.4	15.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#44

Trichloroethene

Concen: 19.433 ug/l

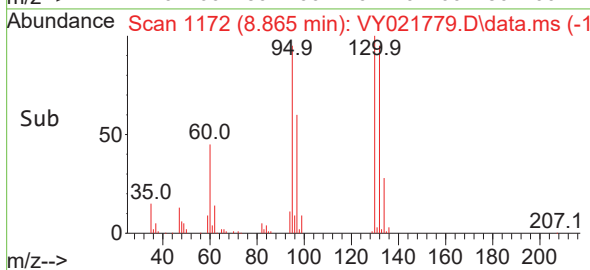
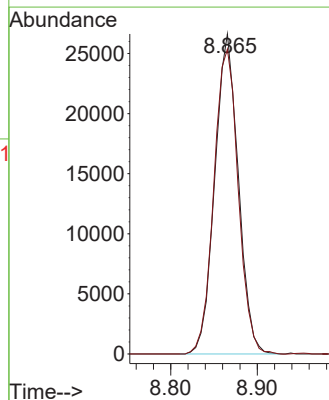
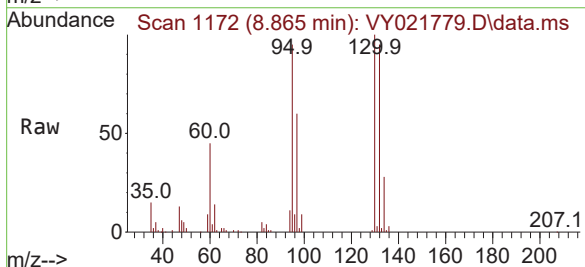
RT: 8.865 min Scan# 1172

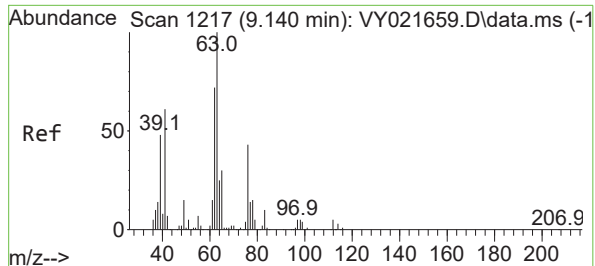
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	130	Resp:	50130
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8





#45

1,2-Dichloropropane

Concen: 19.361 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 63 Resp: 46400

Ion Ratio Lower Upper

63 100

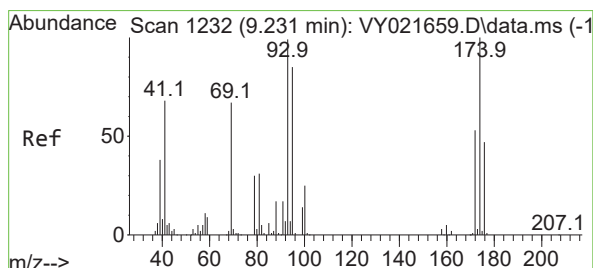
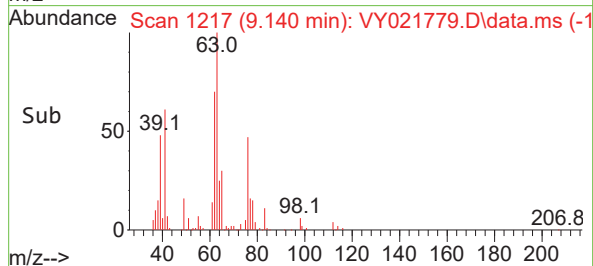
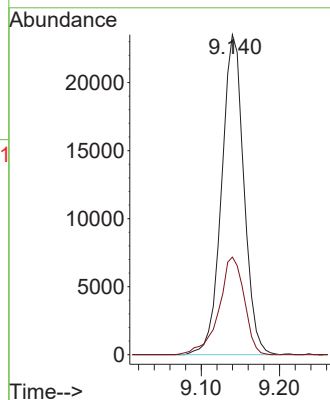
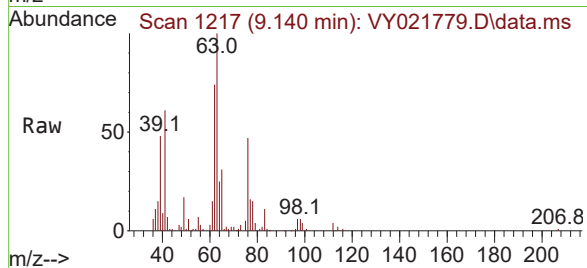
65 30.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#46

Dibromomethane

Concen: 18.781 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

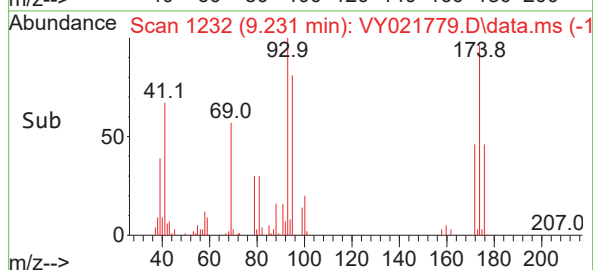
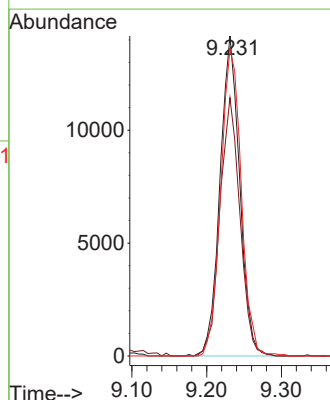
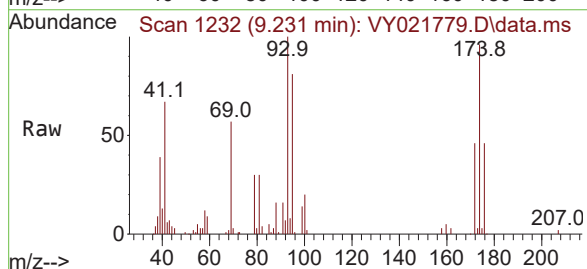
Tgt Ion: 93 Resp: 25939

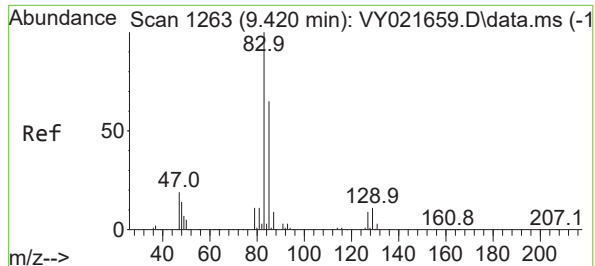
Ion Ratio Lower Upper

93 100

95 82.2 68.1 102.1

174 100.1 80.9 121.3





#47

Bromodichloromethane

Concen: 19.408 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

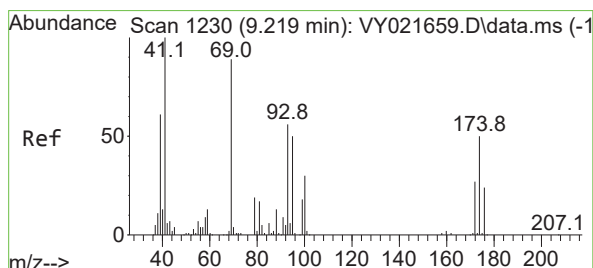
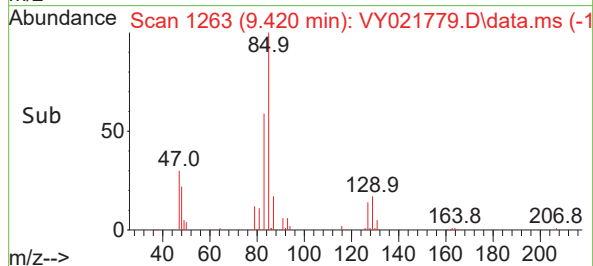
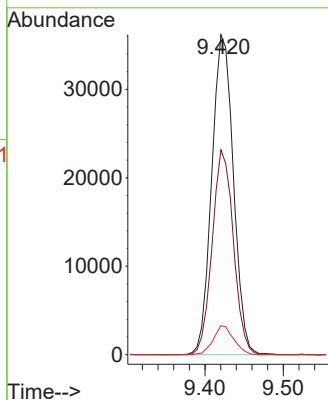
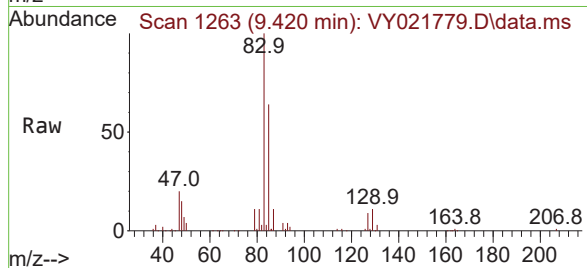
ClientSampleId :

VY0404SBSD01

Tgt Ion:	83	Resp:	6945
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	9.1	6.8	10.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#48

Methyl methacrylate

Concen: 18.236 ug/l

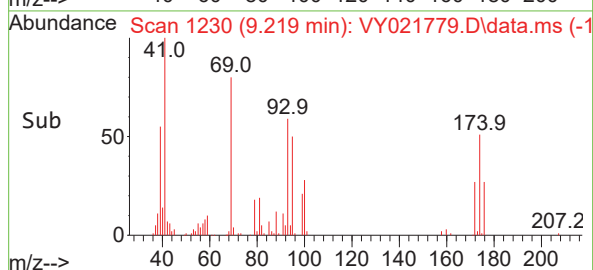
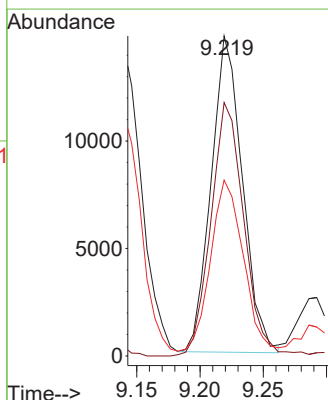
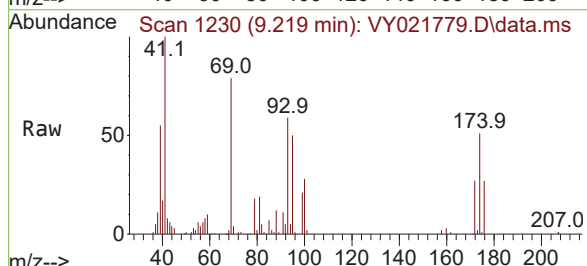
RT: 9.219 min Scan# 1230

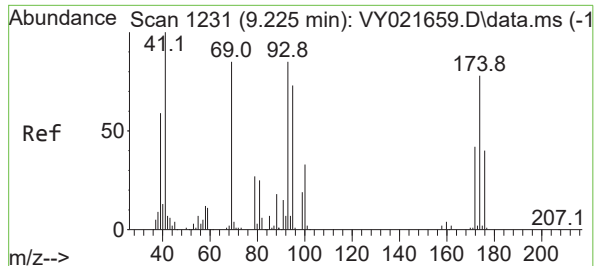
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	41	Resp:	25306
Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	56.9	47.2	70.8





#49

1,4-Dioxane

Concen: 384.365 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 88 Resp: 568

Ion Ratio Lower Upper

88 100

43 35.4 28.8 43.2

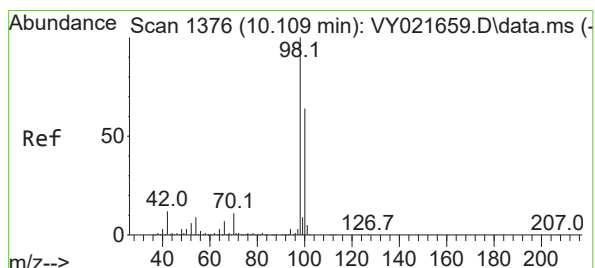
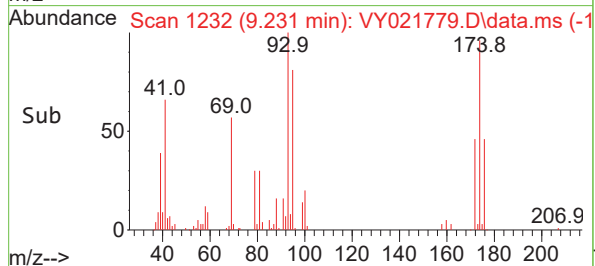
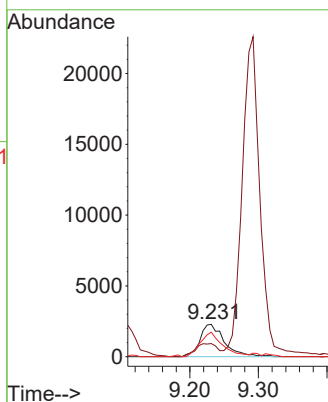
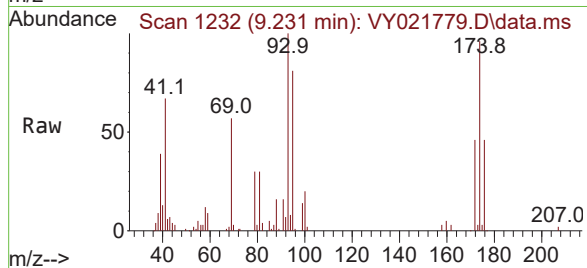
58 69.4 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#50

Toluene-d8

Concen: 51.800 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021779.D

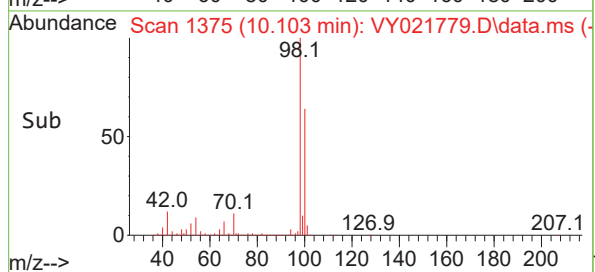
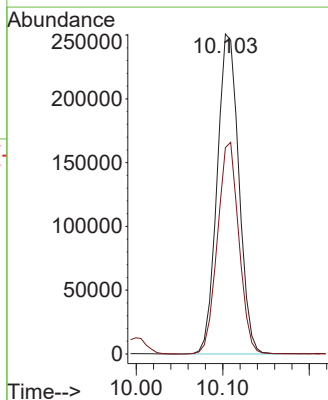
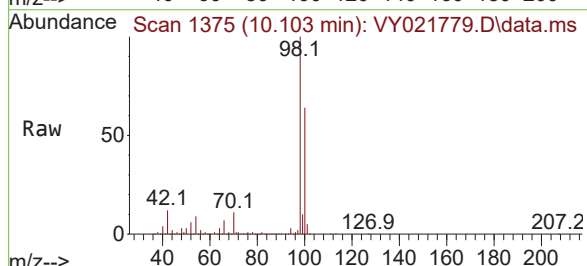
Acq: 04 Apr 2025 10:49

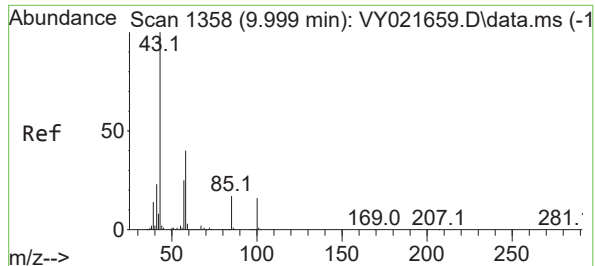
Tgt Ion: 98 Resp: 437387

Ion Ratio Lower Upper

98 100

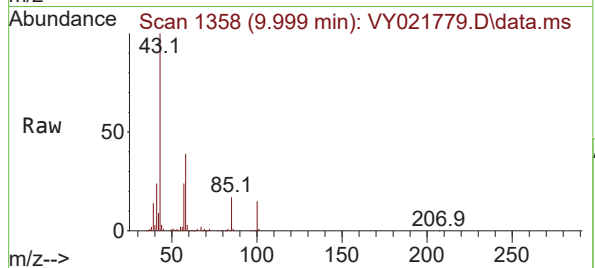
100 65.1 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 90.088 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

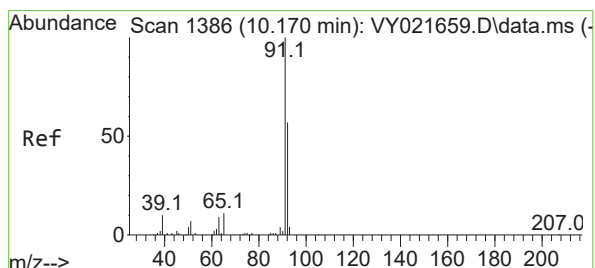
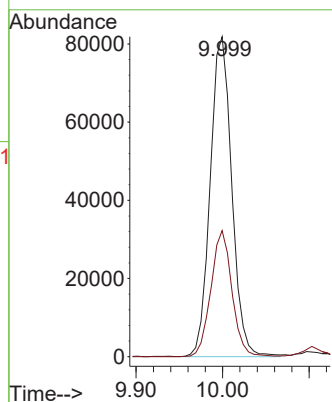
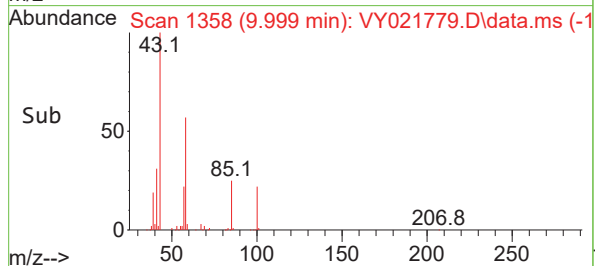
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion: 43 Resp: 14175
Ion Ratio Lower Upper
43 100
58 38.5 31.5 47.3

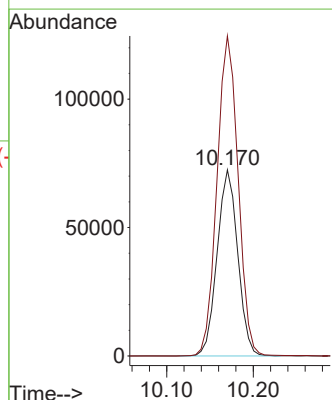
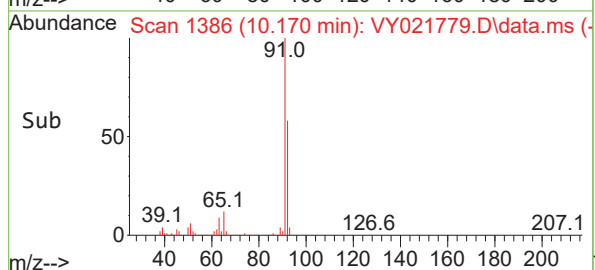
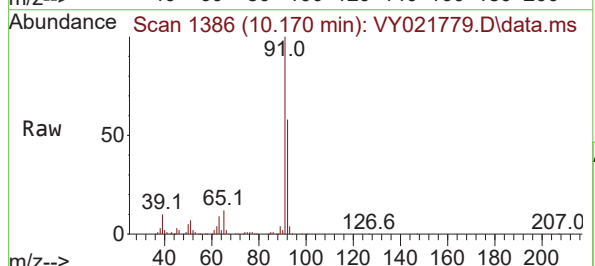
Manual Integrations
APPROVED

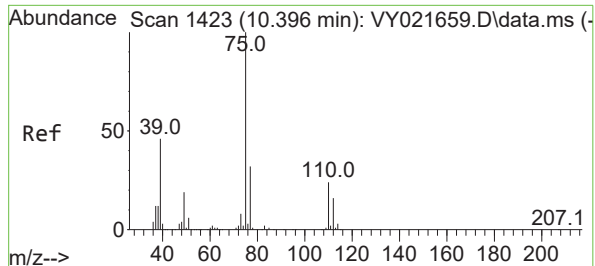
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#52
Toluene
Concen: 18.972 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 92 Resp: 119838
Ion Ratio Lower Upper
92 100
91 176.3 138.6 207.8





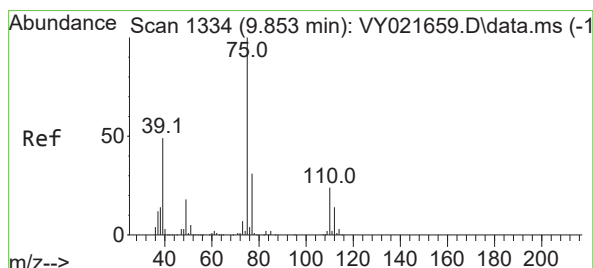
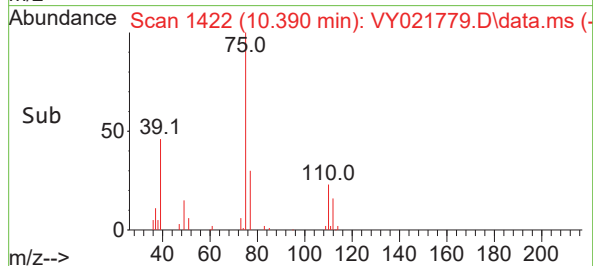
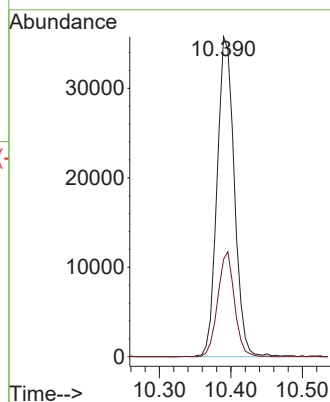
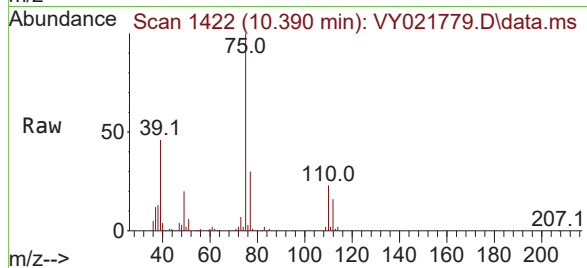
#53
t-1,3-Dichloropropene
Concen: 18.829 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 75 Resp: 59854
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9

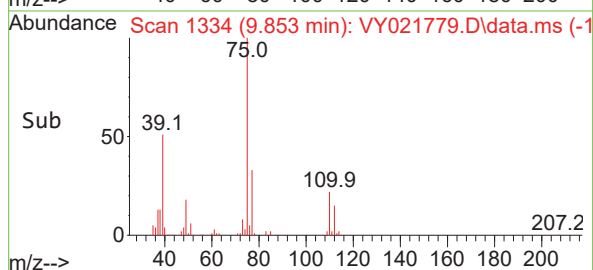
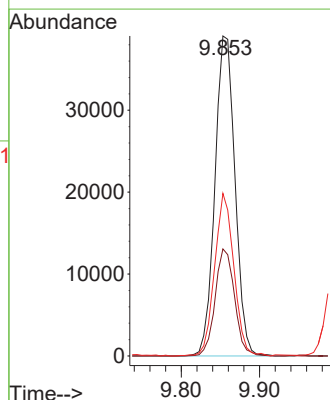
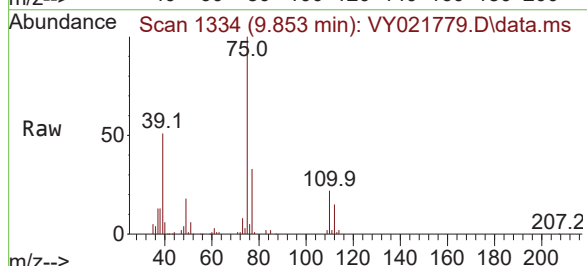
Manual Integrations
APPROVED

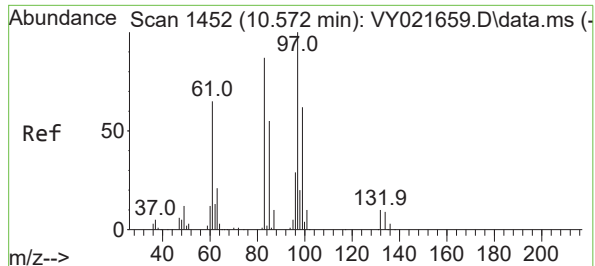
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#54
cis-1,3-Dichloropropene
Concen: 18.573 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 69651
Ion Ratio Lower Upper
75 100
77 33.5 24.9 37.3
39 50.6 39.2 58.8





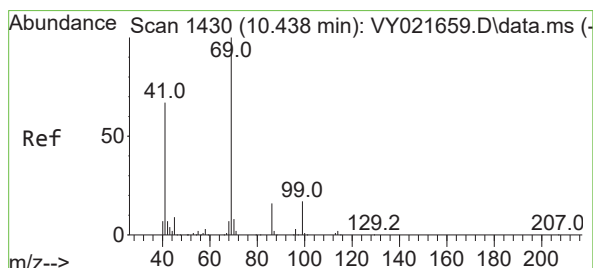
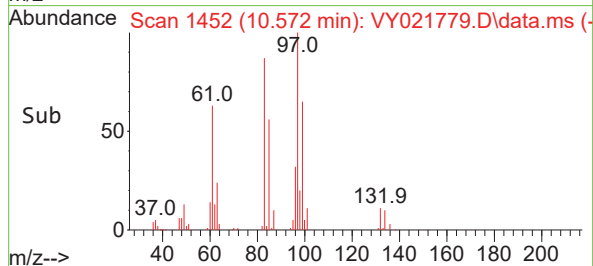
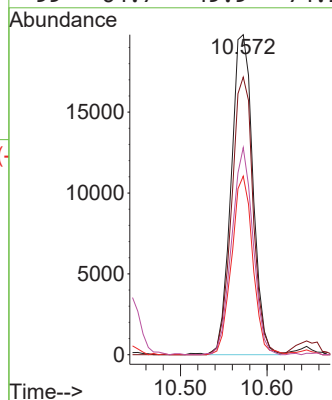
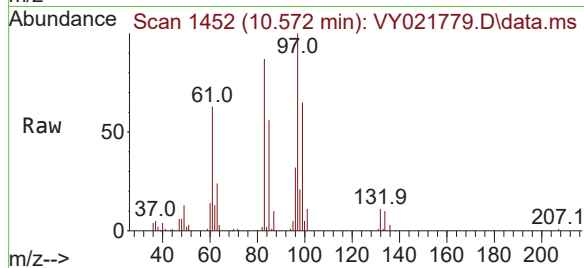
#55
1,1,2-Trichloroethane
Concen: 19.485 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.5	104.3
85	55.8	43.9	65.9
99	64.7	49.9	74.9

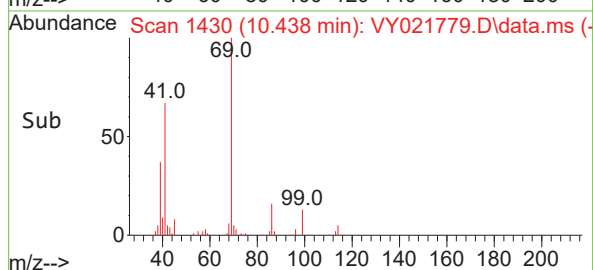
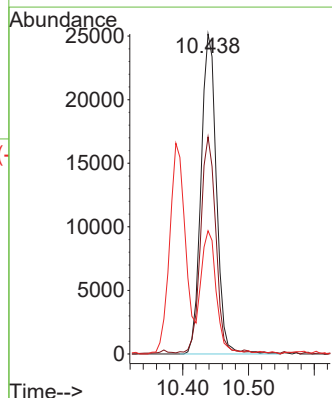
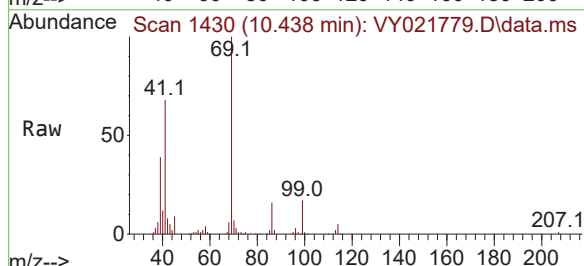
Manual Integrations
APPROVED

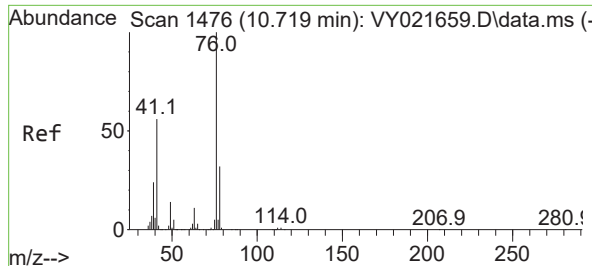
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#56
Ethyl methacrylate
Concen: 18.026 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.8	80.6
39	36.9	29.6	44.4





#57

1,3-Dichloropropane

Concen: 18.868 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 76 Resp: 57918

Ion Ratio Lower Upper

76 100

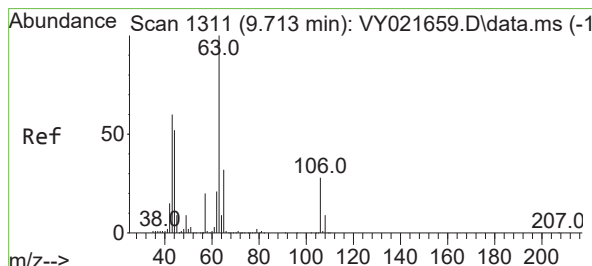
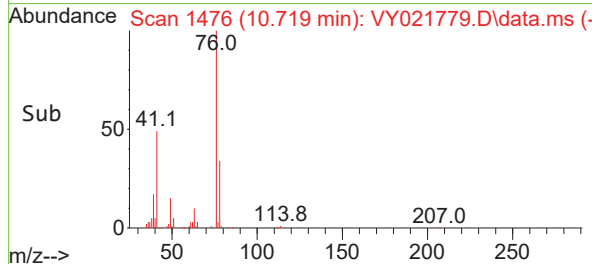
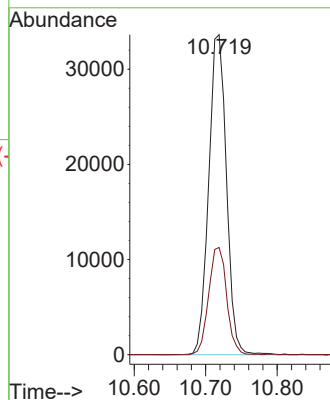
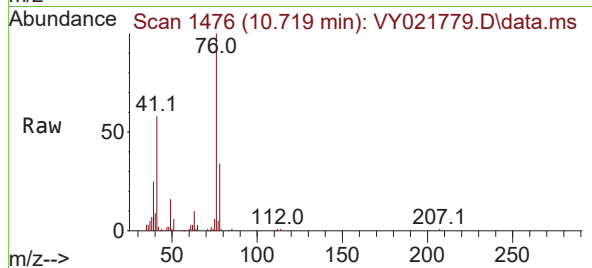
78 34.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#58

2-Chloroethyl Vinyl ether

Concen: 95.722 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021779.D

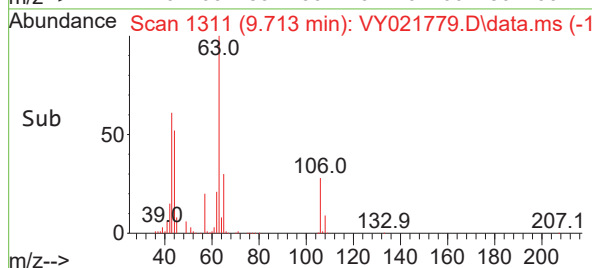
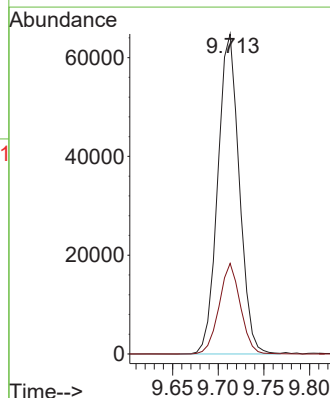
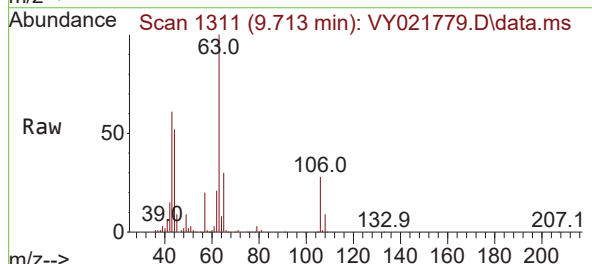
Acq: 04 Apr 2025 10:49

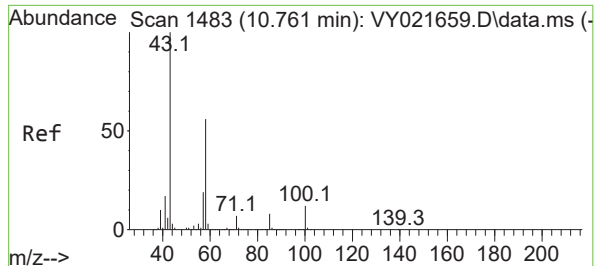
Tgt Ion: 63 Resp: 105979

Ion Ratio Lower Upper

63 100

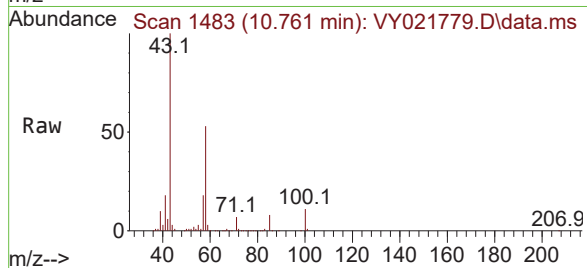
106 28.0 22.4 33.6





#59
2-Hexanone
Concen: 88.221 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

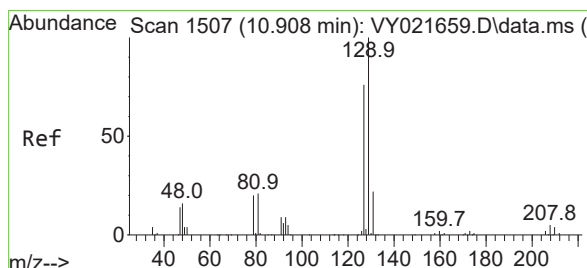
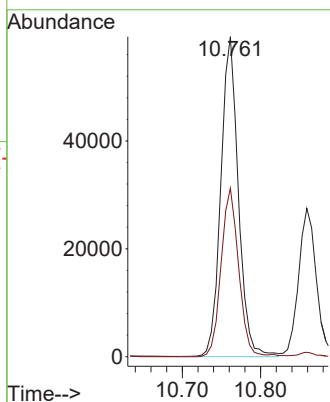
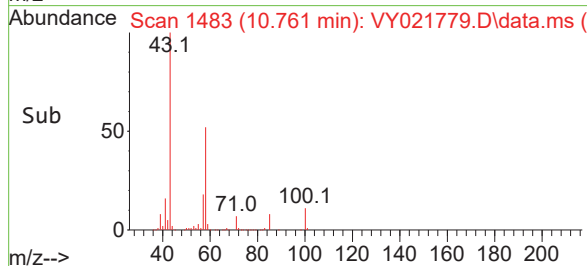
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



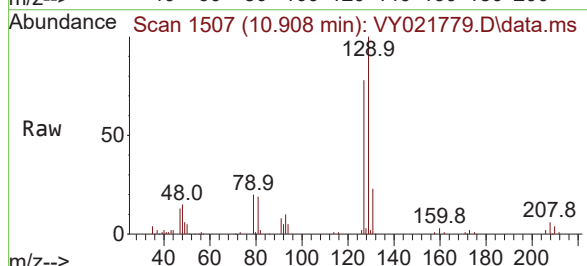
Tgt Ion: 43 Resp: 92448
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5

Manual Integrations
APPROVED

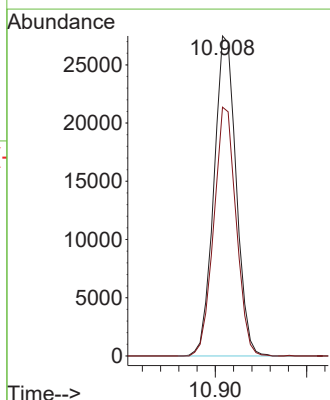
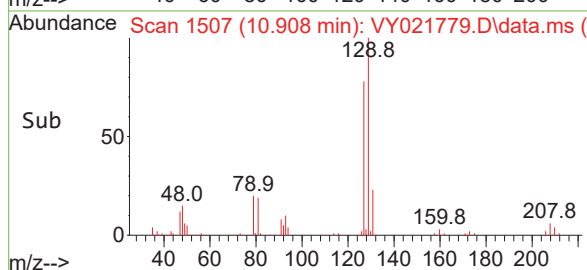
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

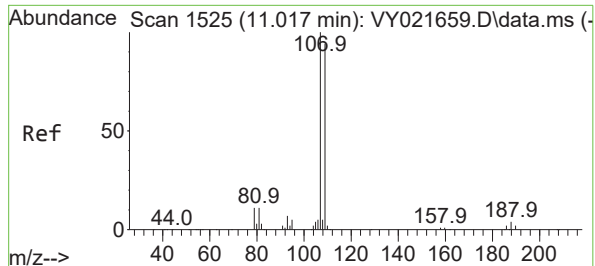


#60
Dibromochloromethane
Concen: 19.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49



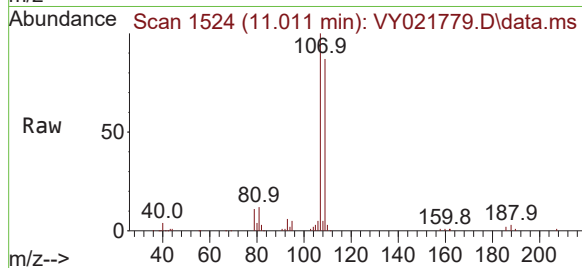
Tgt Ion:129 Resp: 46610
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7





#61
1,2-Dibromoethane
Concen: 18.940 ug/l
RT: 11.011 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

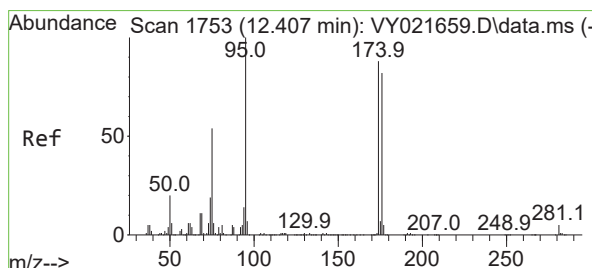
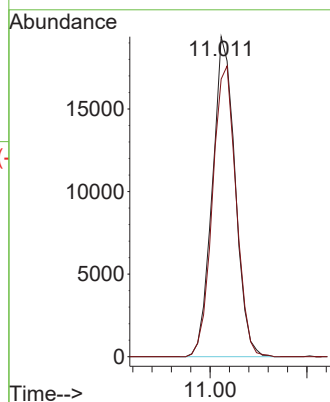
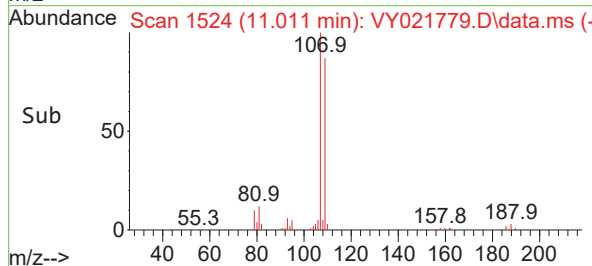
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion: 107 Resp: 31579
Ion Ratio Lower Upper
107 100
109 94.3 74.4 111.6

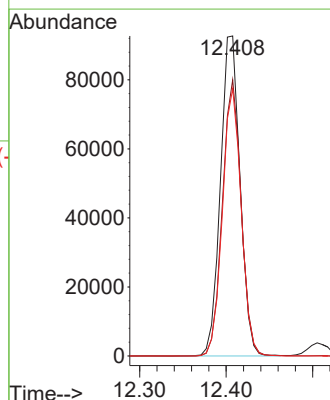
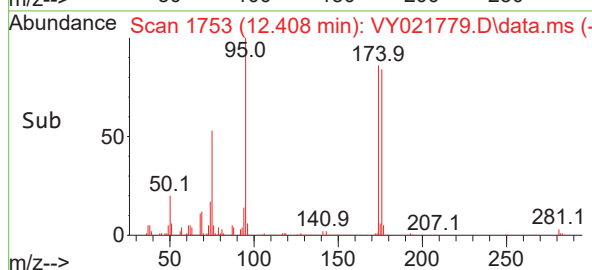
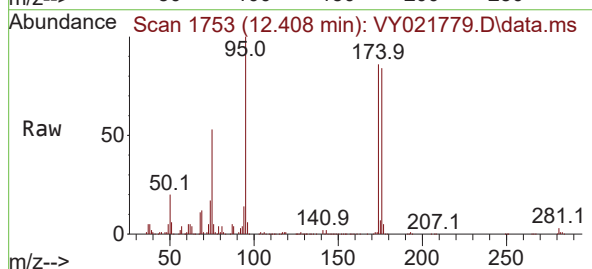
Manual Integrations
APPROVED

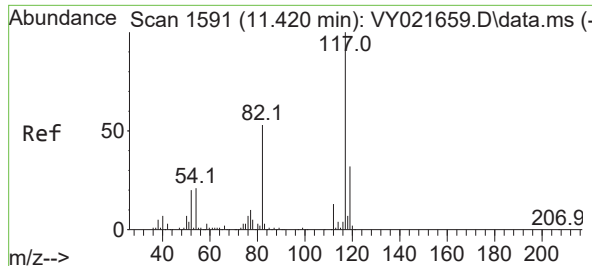
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#62
4-Bromofluorobenzene
Concen: 51.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

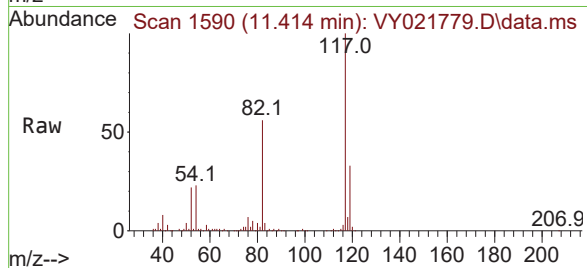
Tgt Ion: 95 Resp: 145713
Ion Ratio Lower Upper
95 100
174 82.4 0.0 170.8
176 80.0 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

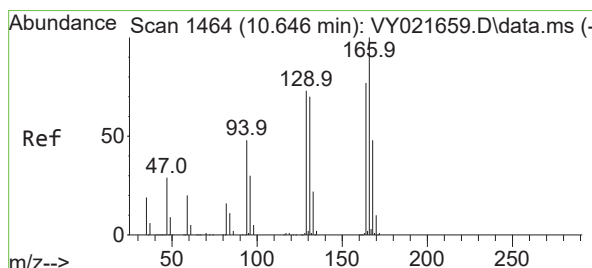
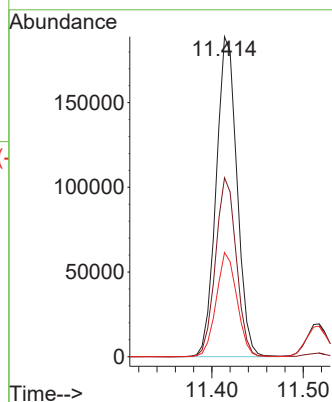
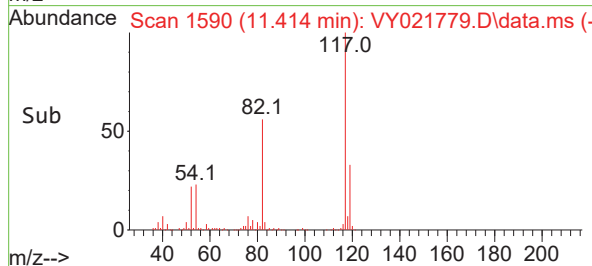
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion:117 Resp: 299510
Ion Ratio Lower Upper
117 100
82 55.9 42.8 64.2
119 32.5 25.7 38.5

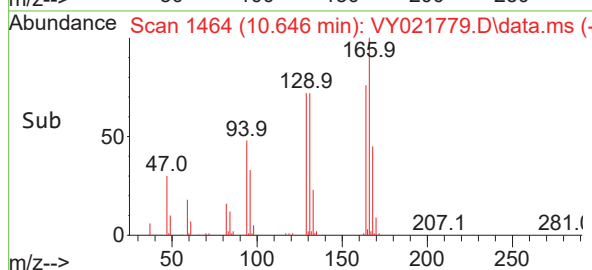
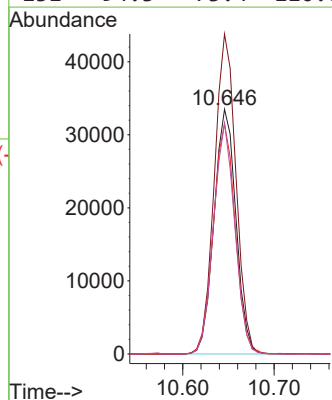
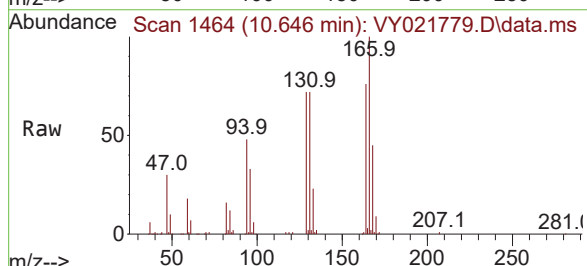
Manual Integrations
APPROVED

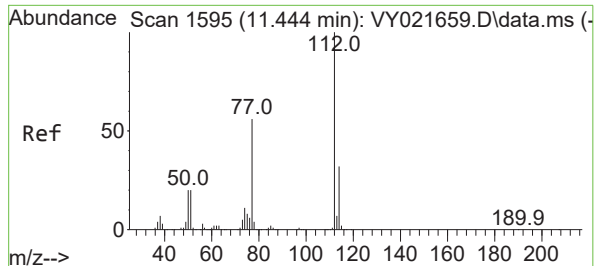
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#64
Tetrachloroethene
Concen: 20.410 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:164 Resp: 55676
Ion Ratio Lower Upper
164 100
166 130.8 104.6 156.8
129 94.1 76.6 114.8
131 94.3 73.4 110.0





#65

Chlorobenzene

Concen: 19.170 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion:112 Resp: 13162

Ion Ratio Lower Upper

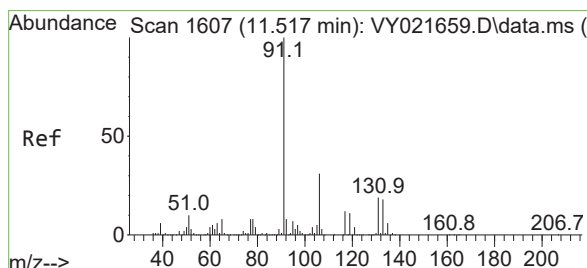
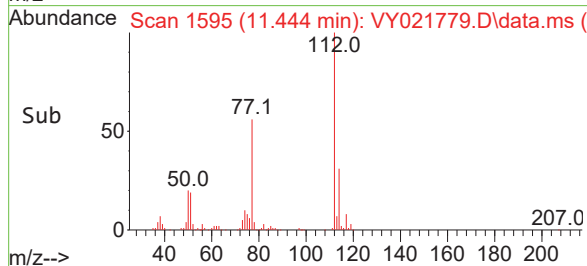
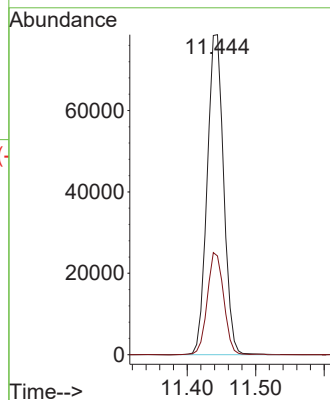
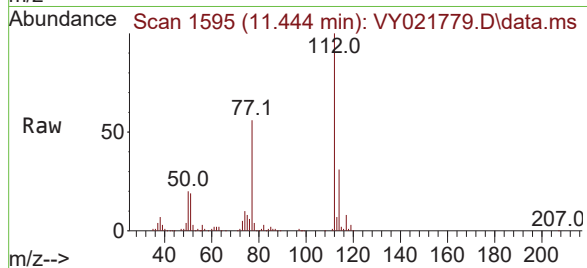
112 100

114 30.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.267 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

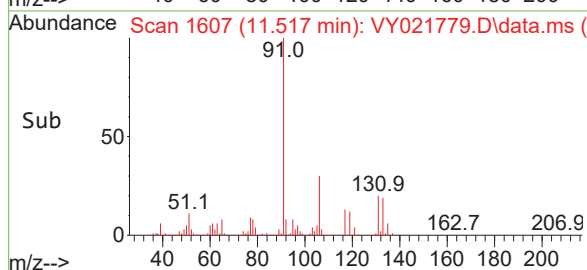
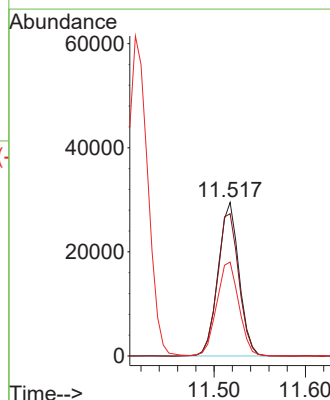
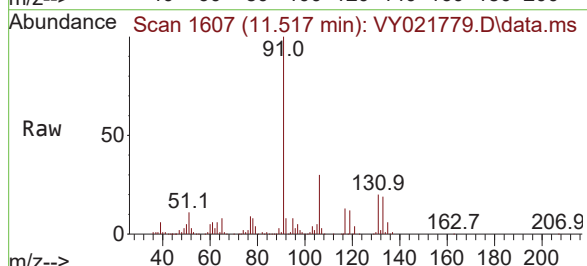
Tgt Ion:131 Resp: 46936

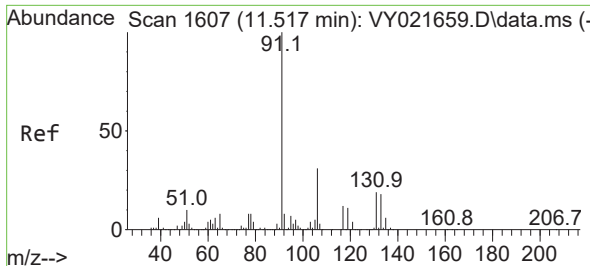
Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

119 64.9 31.6 95.0





#67

Ethyl Benzene

Concen: 18.996 ug/l

RT: 11.517 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 91 Resp: 22364

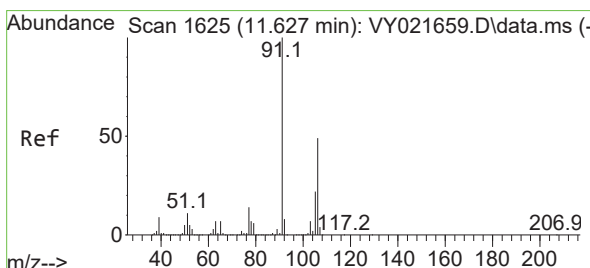
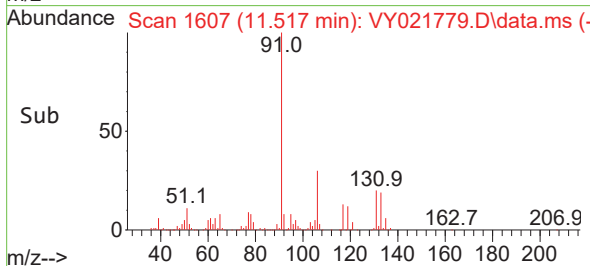
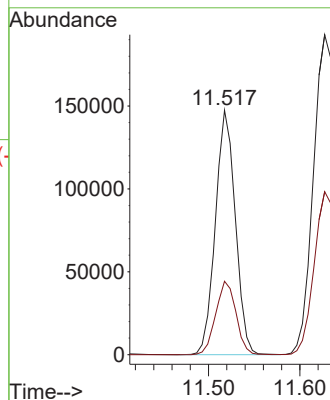
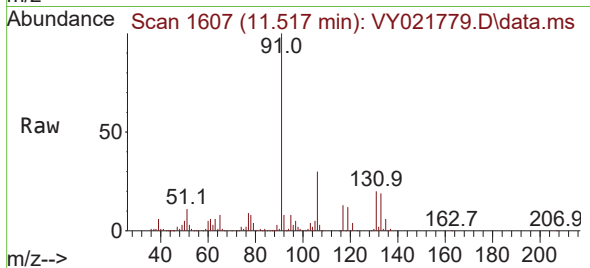
Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#68

m/p-Xylenes

Concen: 38.499 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021779.D

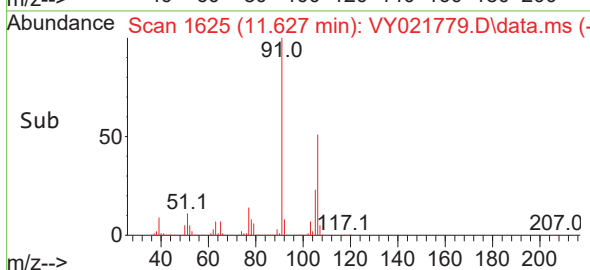
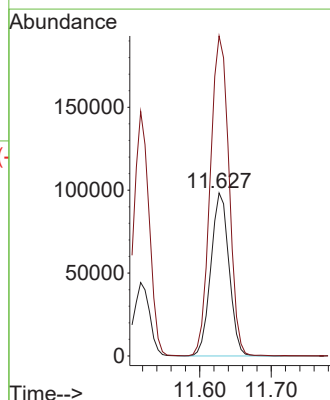
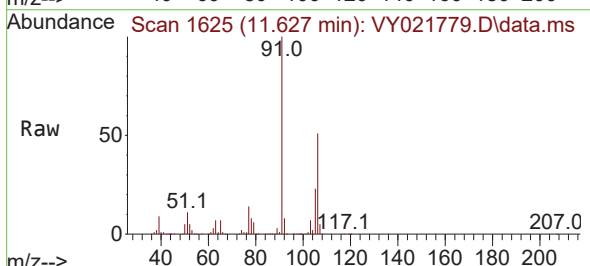
Acq: 04 Apr 2025 10:49

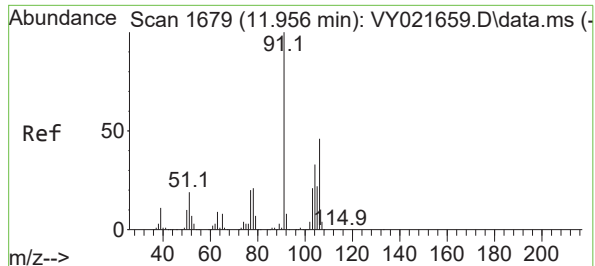
Tgt Ion:106 Resp: 173569

Ion Ratio Lower Upper

106 100

91 201.9 162.4 243.6





#69

o-Xylene

Concen: 18.794 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion:106 Resp: 7821

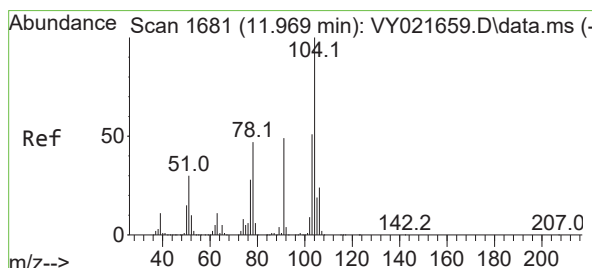
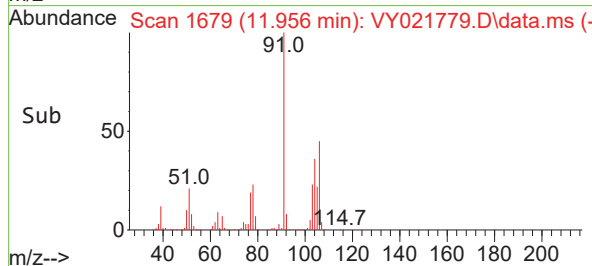
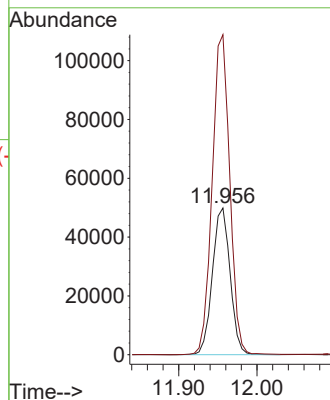
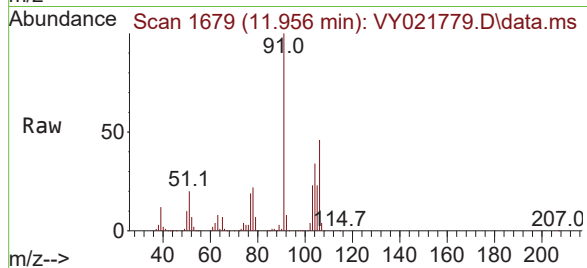
Ion Ratio Lower Upper

106 100

91 216.9 106.7 319.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#70

Styrene

Concen: 19.111 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

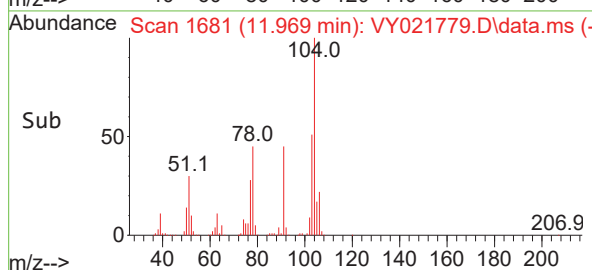
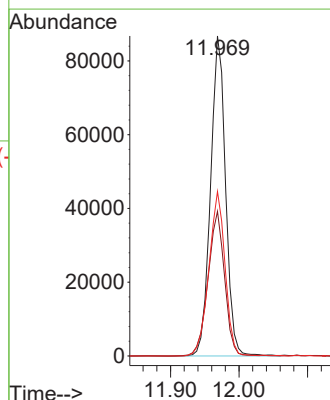
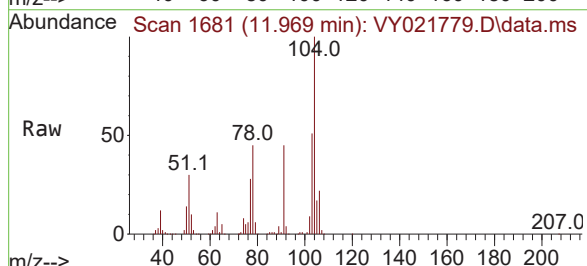
Tgt Ion:104 Resp: 132607

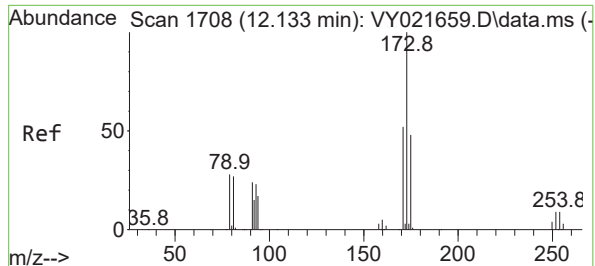
Ion Ratio Lower Upper

104 100

78 49.8 40.8 61.2

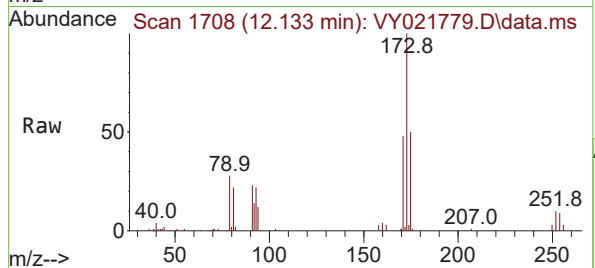
103 55.4 44.2 66.2





#71
Bromoform
Concen: 19.678 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

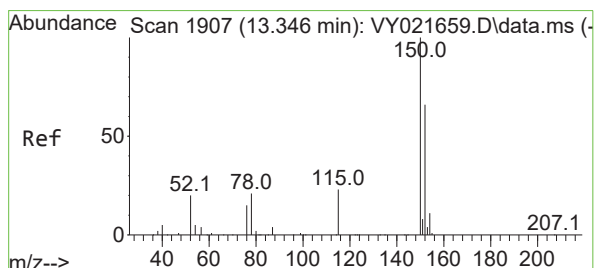
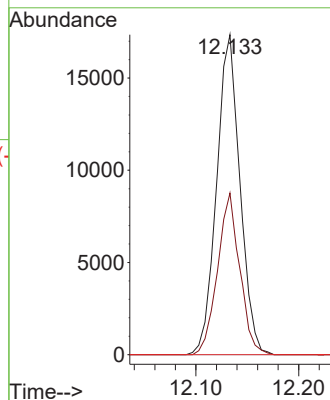
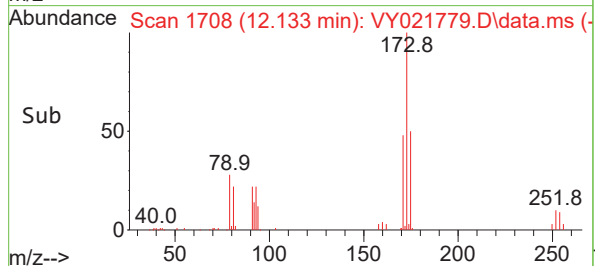
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



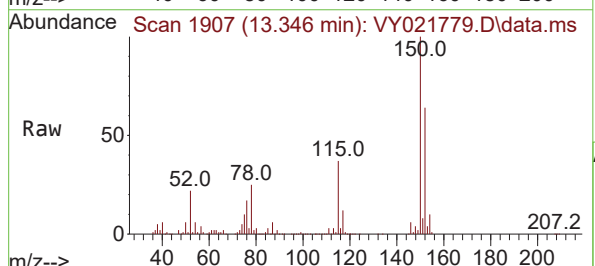
Tgt Ion:173 Resp: 27344
Ion Ratio Lower Upper
173 100
175 48.0 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

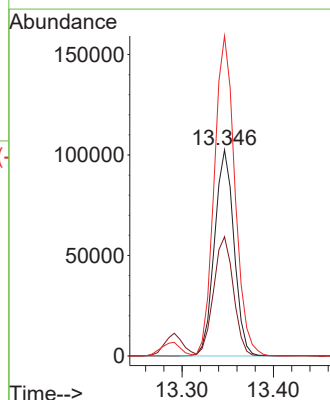
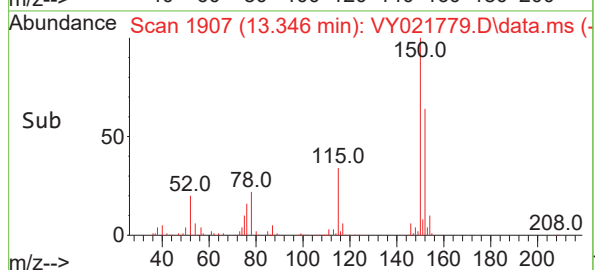
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

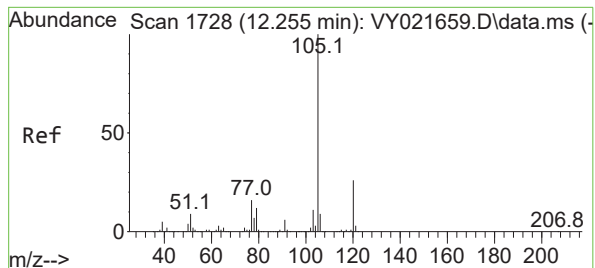


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49



Tgt Ion:152 Resp: 151992
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 164.1 0.0 348.4





#73

Isopropylbenzene

Concen: 18.722 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:105 Resp: 21135

Ion Ratio Lower Upper

105 100

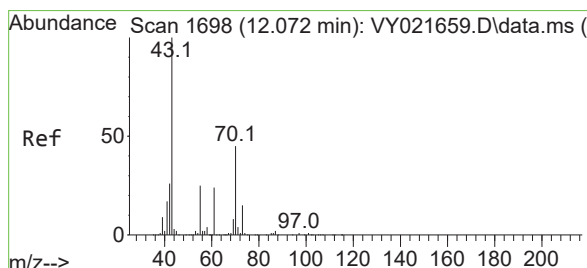
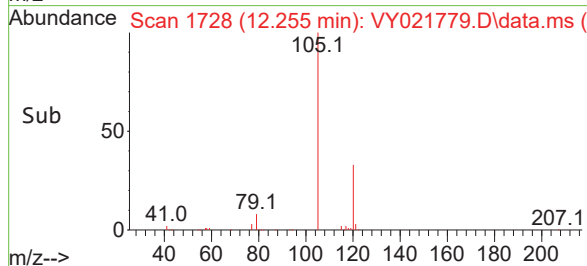
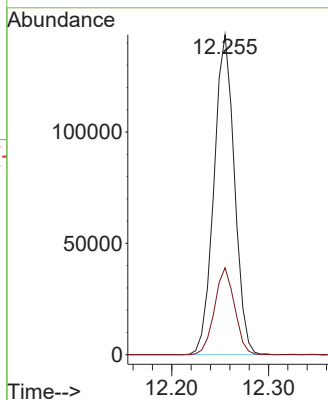
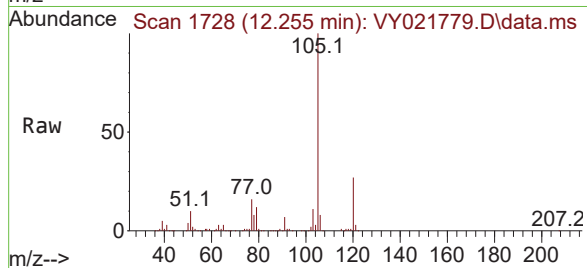
120 26.6 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#74

N-ethyl acetate

Concen: 17.347 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 45960

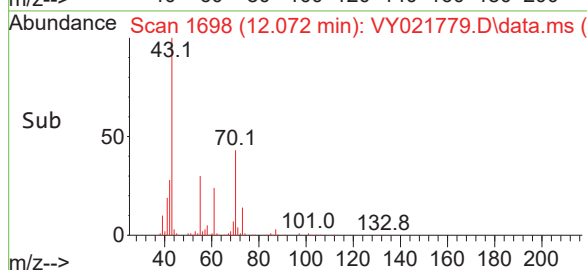
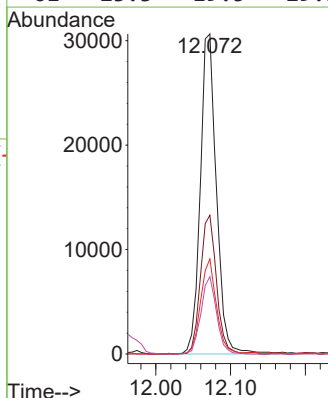
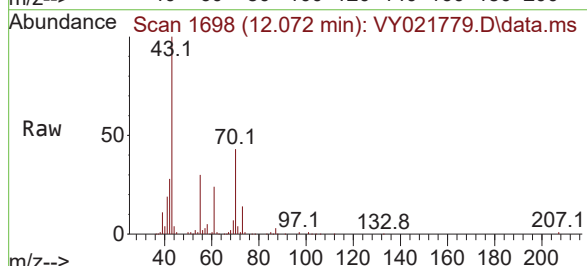
Ion Ratio Lower Upper

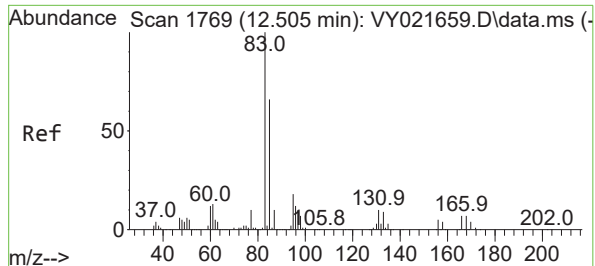
43 100

70 42.9 34.7 52.1

55 29.2 21.2 31.8

61 23.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.859 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

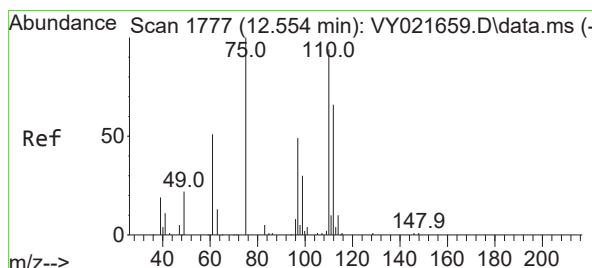
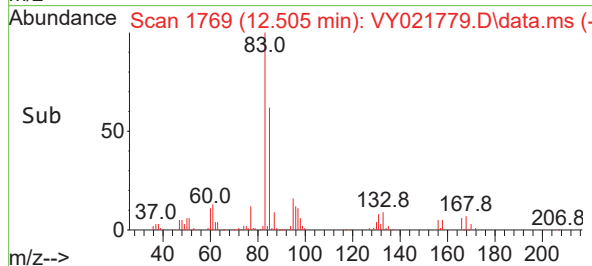
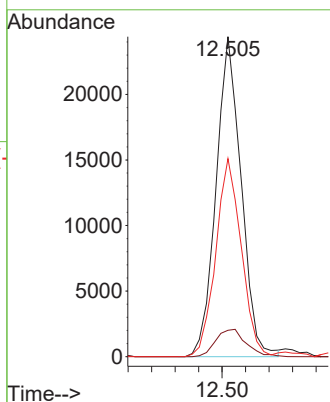
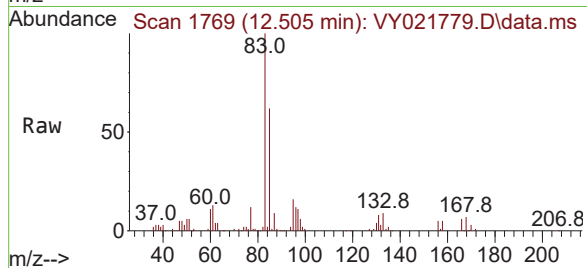
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion:	83	Resp:	3624
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	62.8	32.3	96.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#76

1,2,3-Trichloropropane

Concen: 18.255 ug/l m

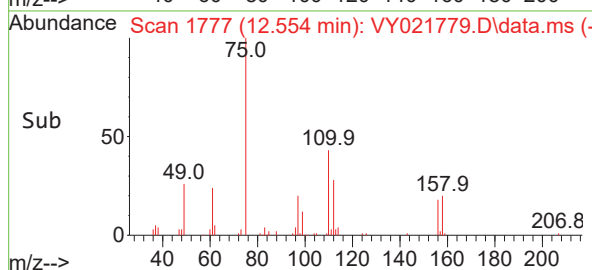
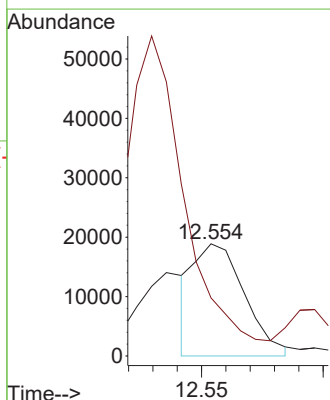
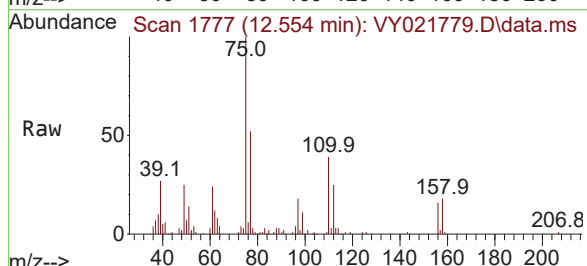
RT: 12.554 min Scan# 1777

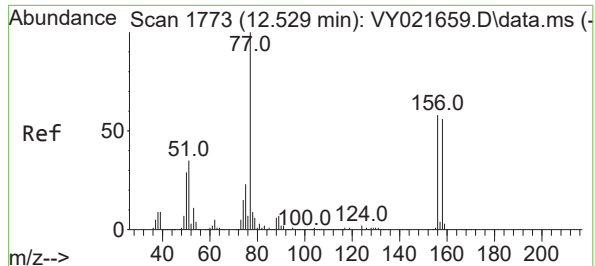
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	75	Resp:	27503
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.757 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

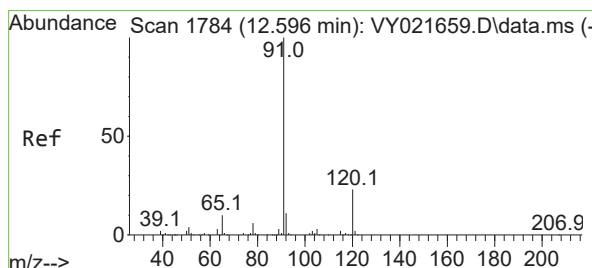
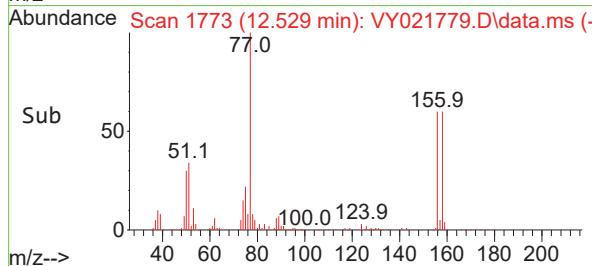
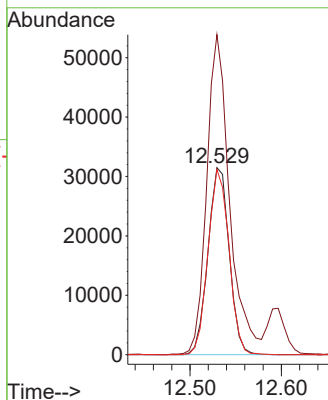
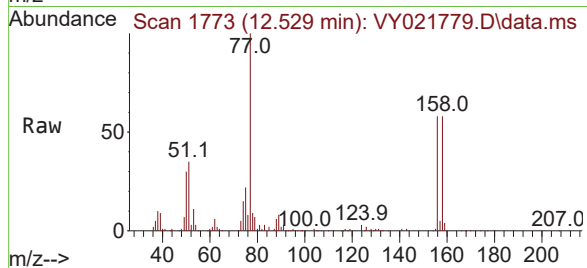
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion:	156	Resp:	5084
Ion Ratio	Lower	Upper	
156	100		
77	184.5	92.8	278.3
158	97.9	48.5	145.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#78

n-propylbenzene

Concen: 19.126 ug/l

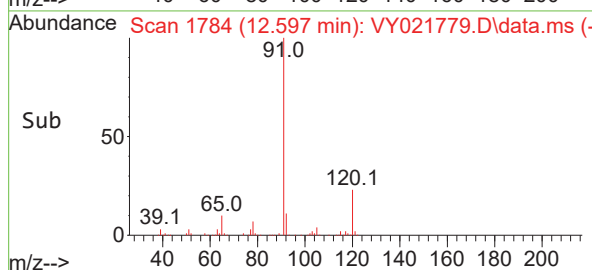
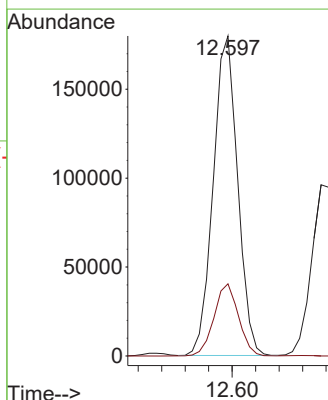
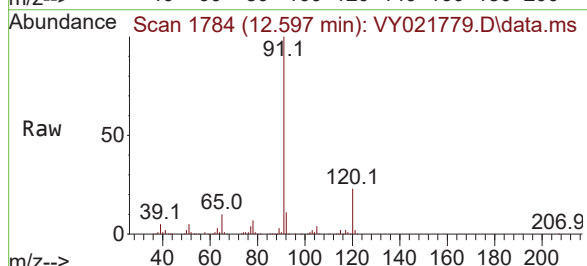
RT: 12.597 min Scan# 1784

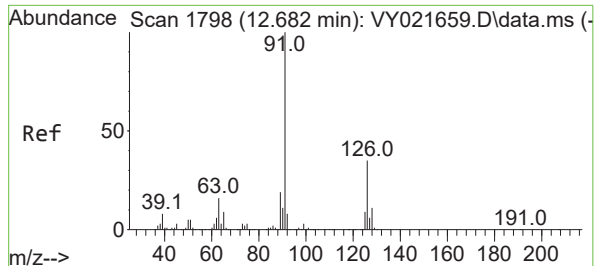
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	91	Resp:	259575
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 18.949 ug/l

RT: 12.676 min Scan# 1798

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion: 91 Resp: 149370

Ion Ratio Lower Upper

91 100

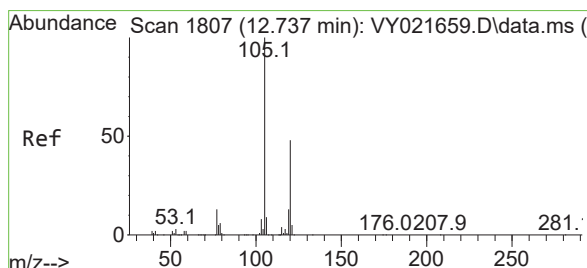
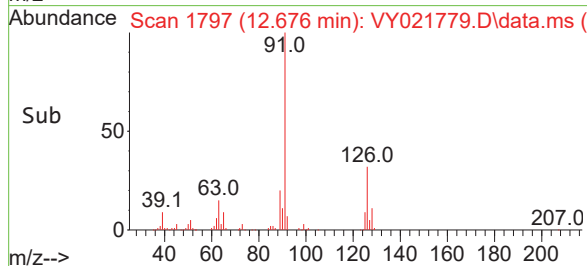
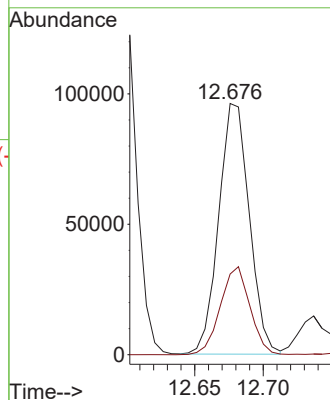
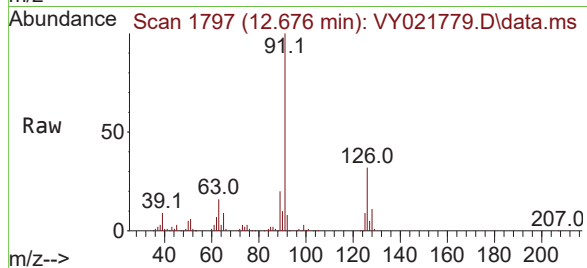
126 33.9 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025

Supervised By :Semsettin Yesilyurt 04/07/2025



#80

1,3,5-Trimethylbenzene

Concen: 18.899 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021779.D

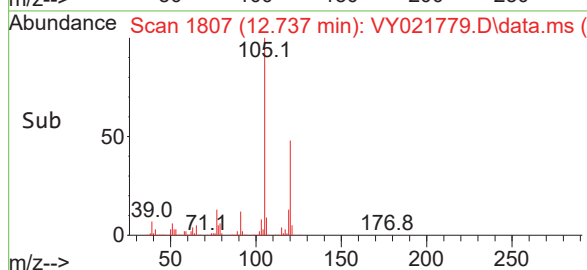
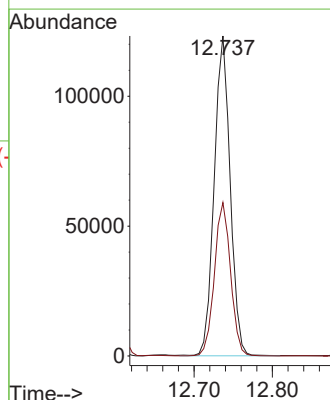
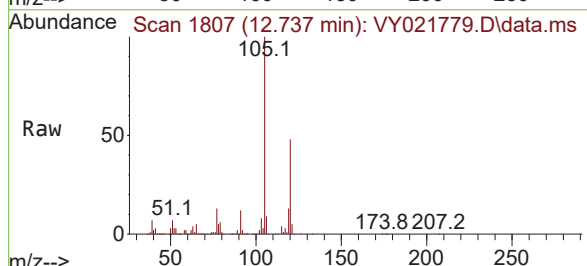
Acq: 04 Apr 2025 10:49

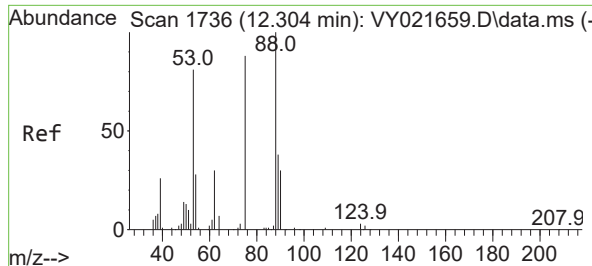
Tgt Ion:105 Resp: 174371

Ion Ratio Lower Upper

105 100

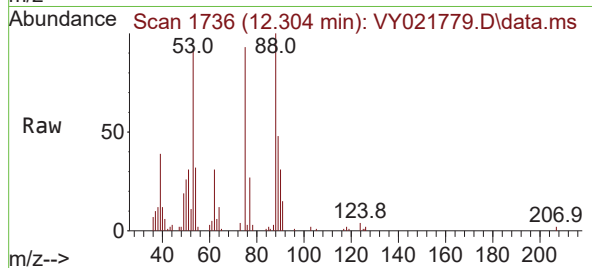
120 48.7 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 17.932 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

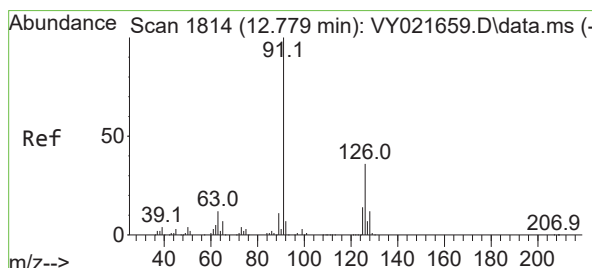
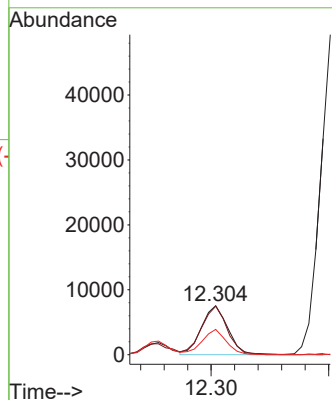
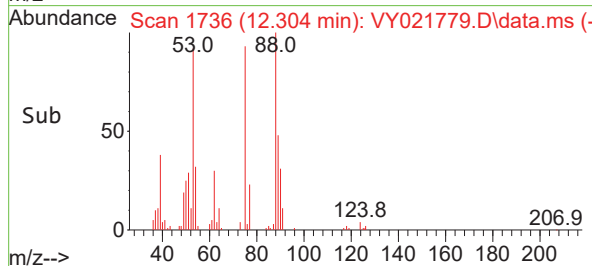
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01



Tgt Ion: 75 Resp: 11725
Ion Ratio Lower Upper
75 100
53 96.7 76.1 114.1
89 47.7 36.2 54.4

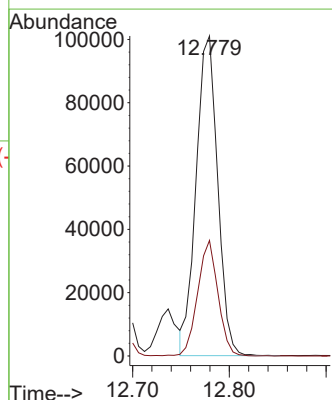
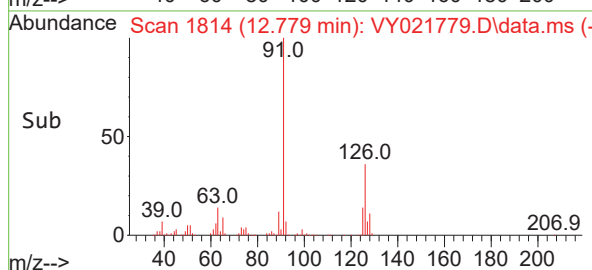
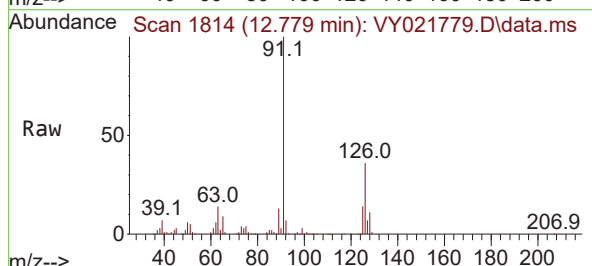
Manual Integrations
APPROVED

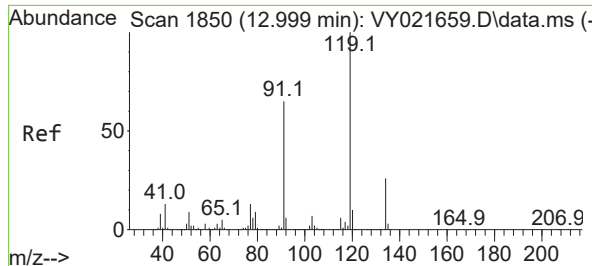
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#82
4-Chlorotoluene
Concen: 19.034 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 156430
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9





#83

tert-Butylbenzene

Concen: 18.819 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

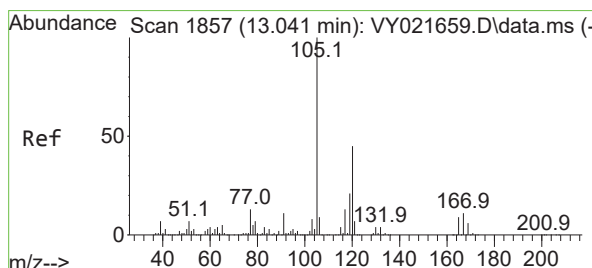
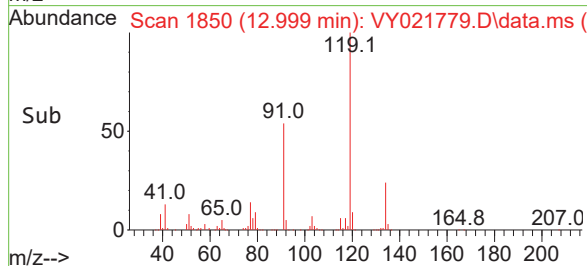
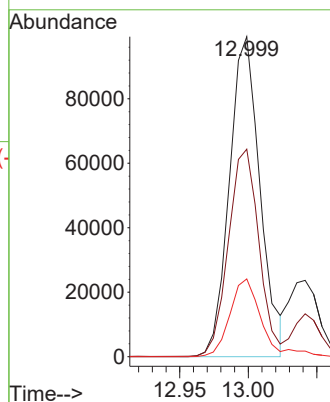
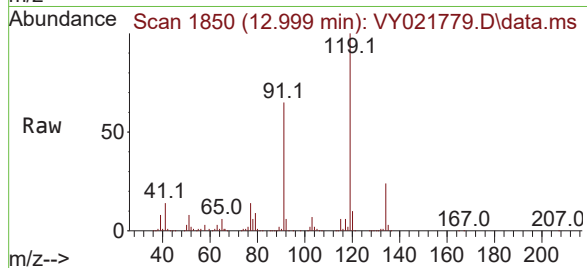
Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion:	119	Resp:	15465
Ion Ratio	Lower	Upper	
119	100		
91	64.5	32.6	97.7
134	25.2	13.2	39.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#84

1,2,4-Trimethylbenzene

Concen: 19.044 ug/l

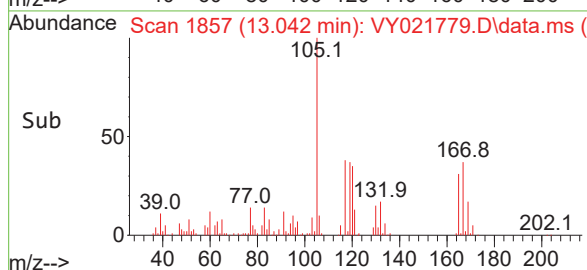
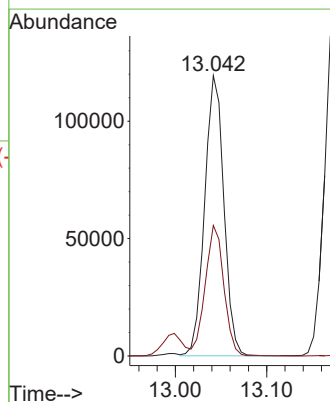
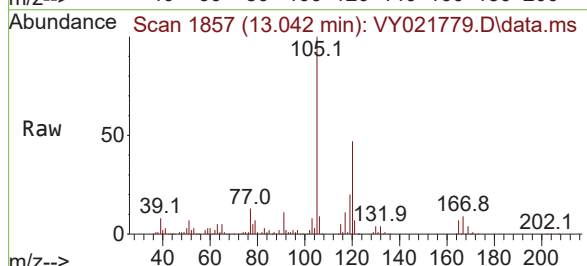
RT: 13.042 min Scan# 1857

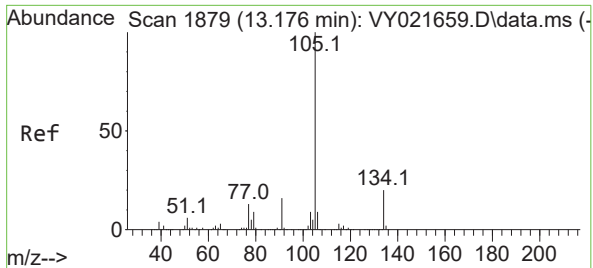
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	105	Resp:	173659
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.291 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

Tgt Ion:105 Resp: 23168

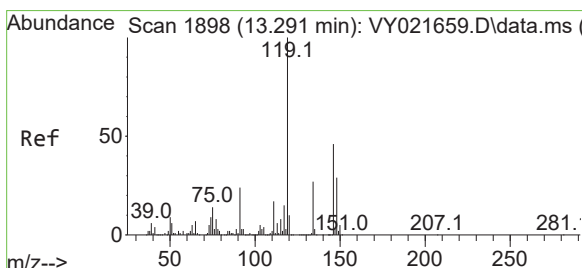
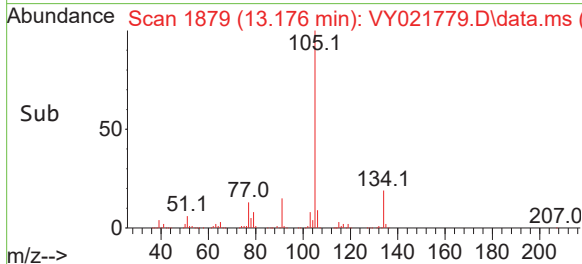
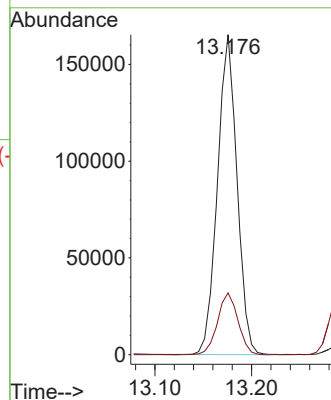
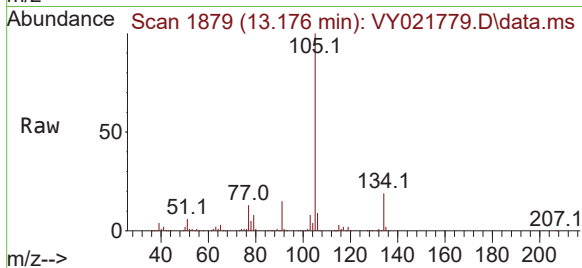
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

#86

p-Isopropyltoluene

Concen: 19.237 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

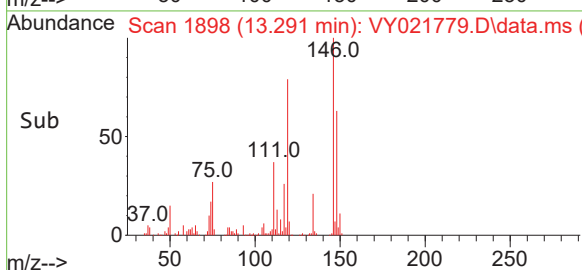
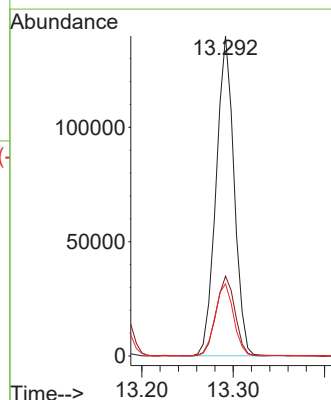
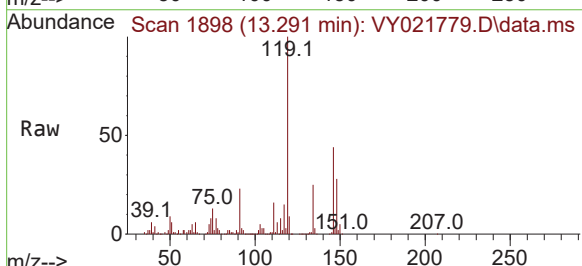
Tgt Ion:119 Resp: 190946

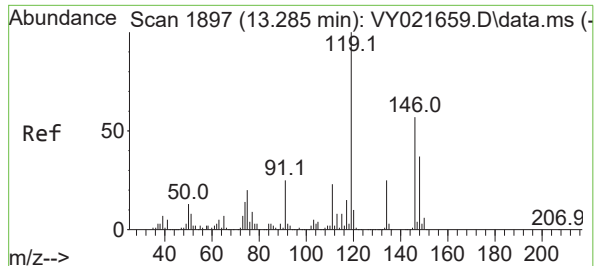
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.5 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.103 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

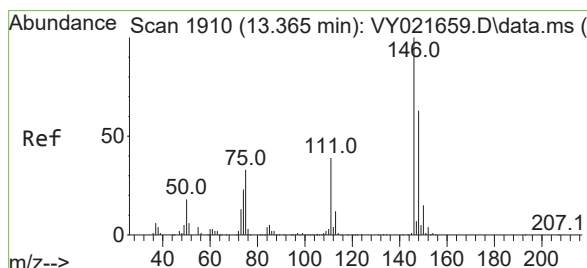
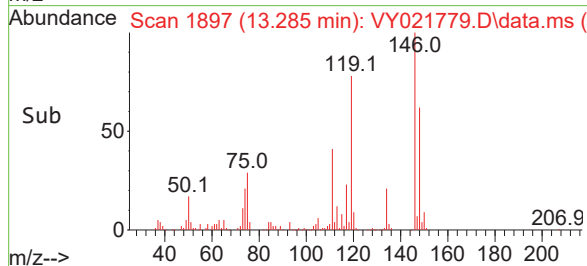
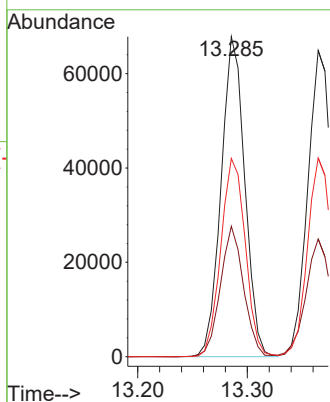
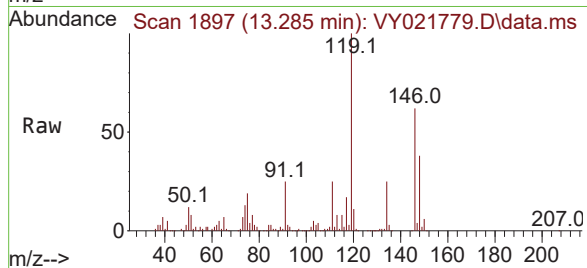
VY0404SBS01

Tgt Ion:	146	Resp:	10201
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	60.0
148	64.0	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#88

1,4-Dichlorobenzene

Concen: 18.879 ug/l

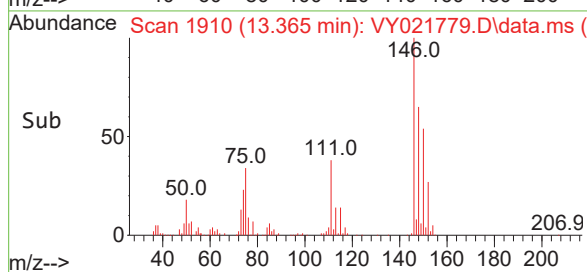
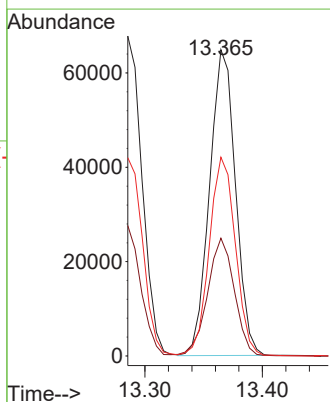
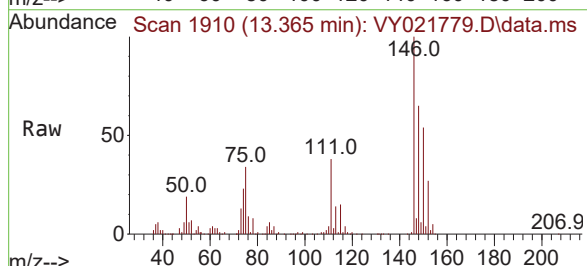
RT: 13.365 min Scan# 1910

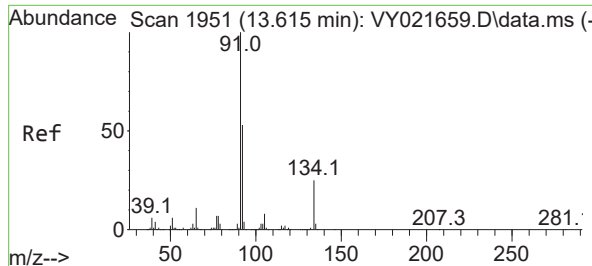
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	146	Resp:	99610
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.1	57.1
148	65.6	31.5	94.5





#89

n-Butylbenzene

Concen: 18.688 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

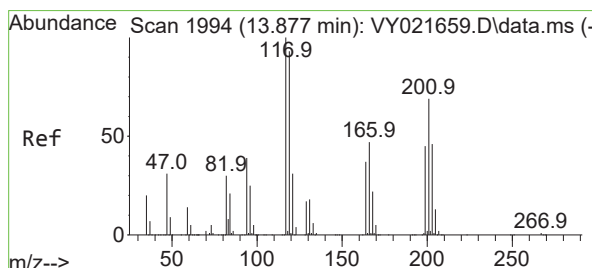
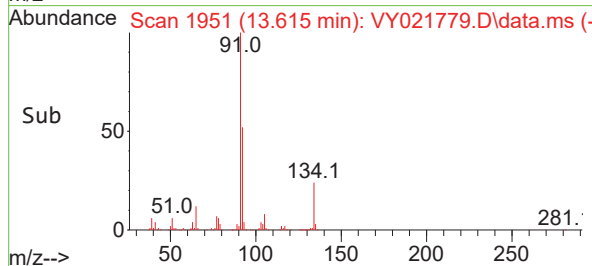
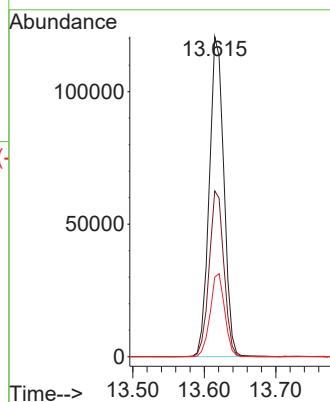
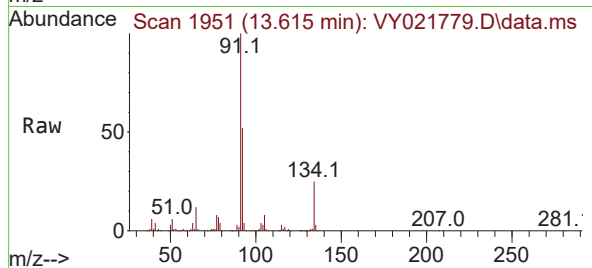
VY0404SBSD01

Tgt Ion:	91	Resp:	17154
Ion Ratio	Lower	Upper	
91	100		
92	52.2	26.4	79.2
134	25.7	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025



#90

Hexachloroethane

Concen: 18.858 ug/l

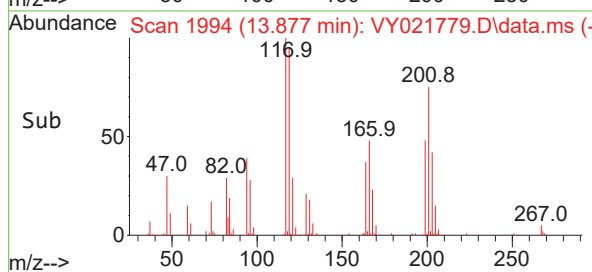
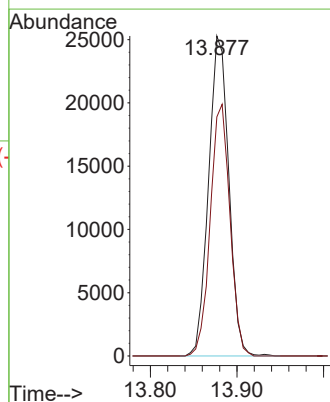
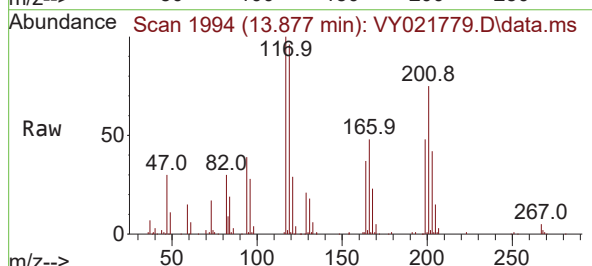
RT: 13.877 min Scan# 1994

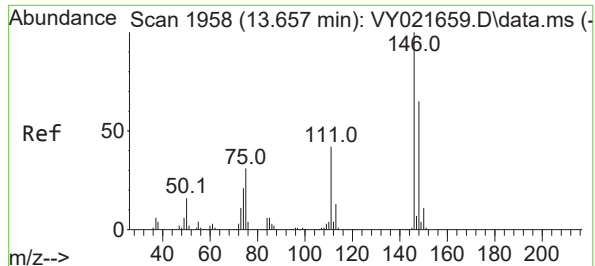
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	117	Resp:	41020
Ion Ratio	Lower	Upper	
117	100		
201	76.5	37.4	112.1





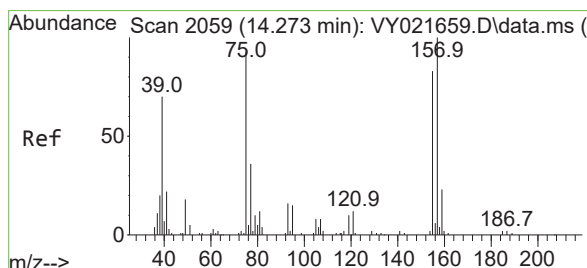
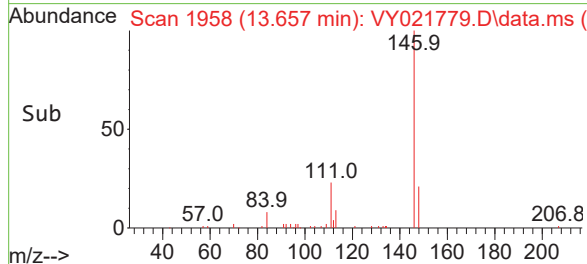
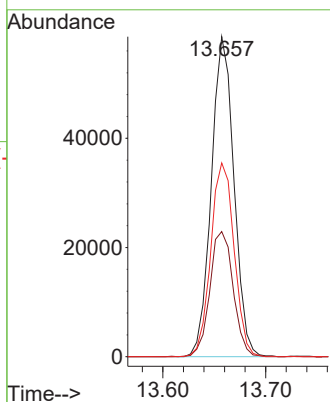
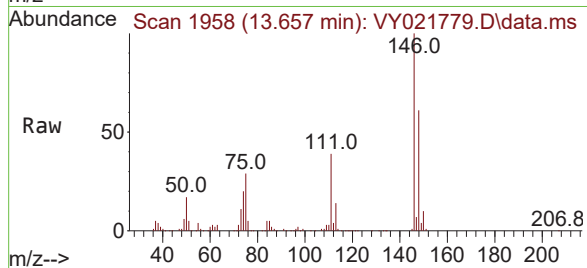
#91
1,2-Dichlorobenzene
Concen: 19.263 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:146 Resp: 8954
Ion Ratio Lower Upper
146 100
111 40.4 20.7 62.1
148 62.5 32.3 96.9

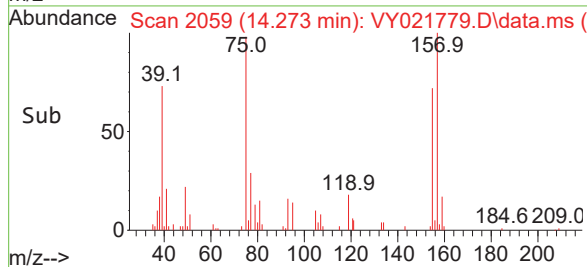
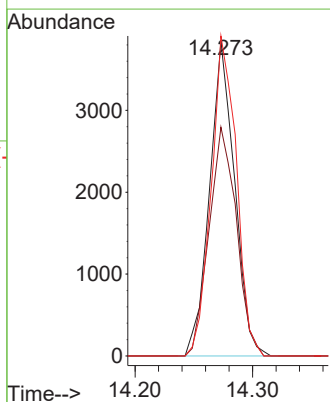
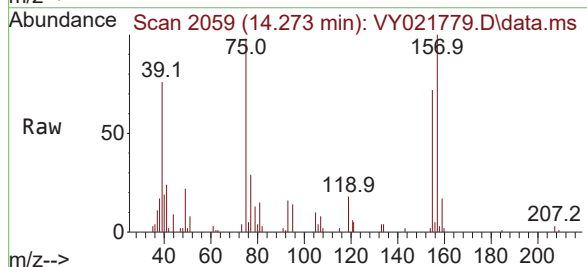
Manual Integrations
APPROVED

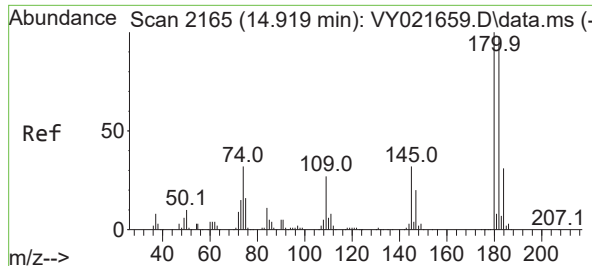
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.104 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 5695
Ion Ratio Lower Upper
75 100
155 79.3 43.0 128.8
157 102.1 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.388 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

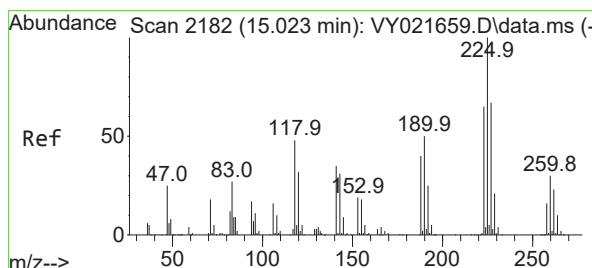
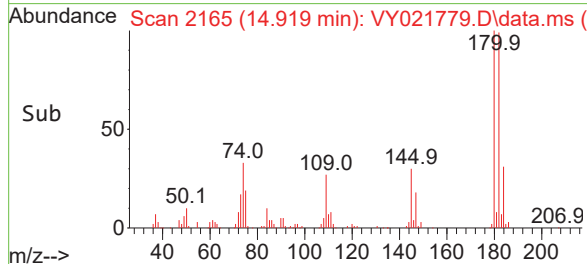
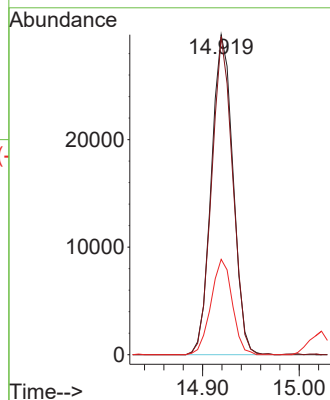
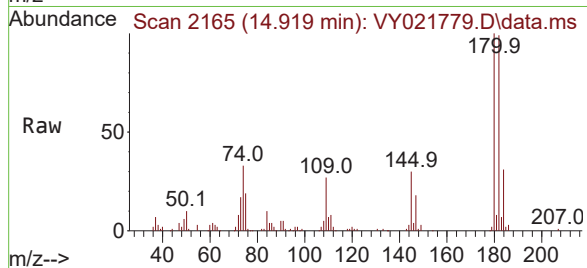
VY0404SBS01

Tgt Ion:	180	Resp:	46354
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.5	142.6
145	29.3	14.9	44.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#94

Hexachlorobutadiene

Concen: 19.118 ug/l

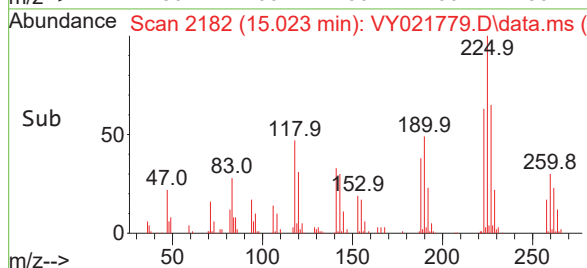
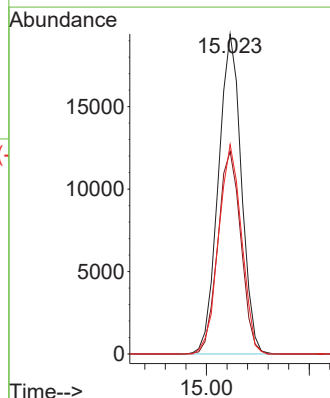
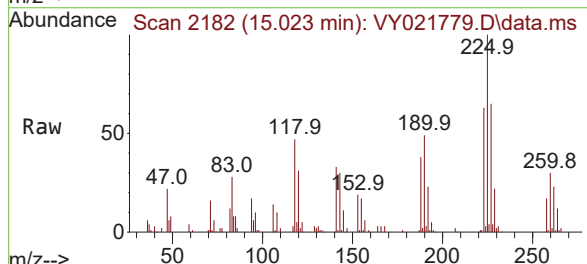
RT: 15.023 min Scan# 2182

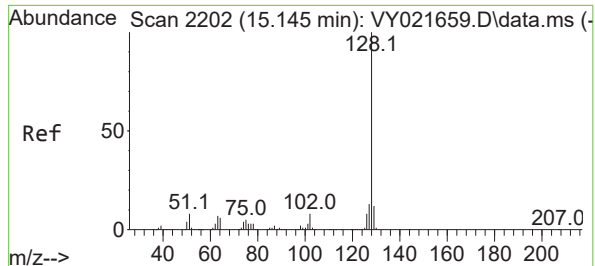
Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	225	Resp:	30099
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.9	95.7
227	65.4	32.4	97.0





#95

Naphthalene

Concen: 17.176 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

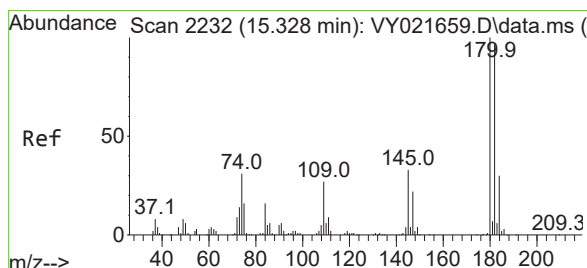
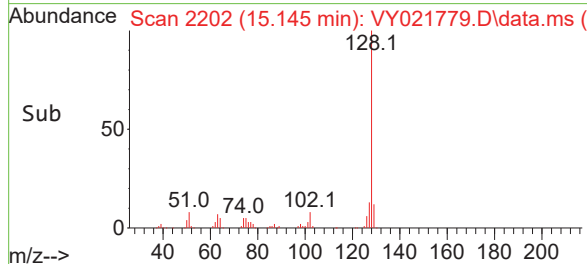
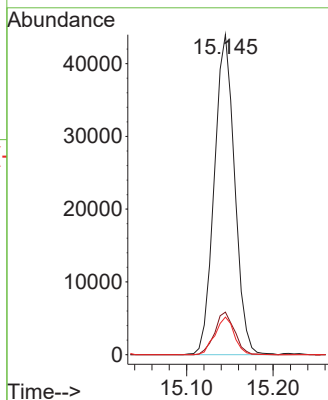
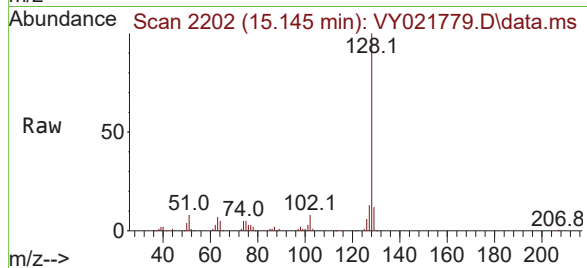
VY0404SBSD01

Tgt Ion:	128	Resp:	7177
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.186 ug/l

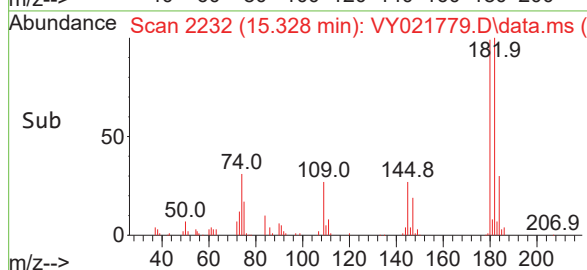
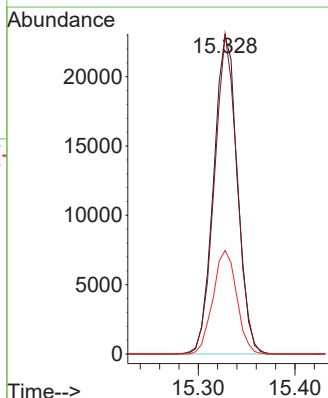
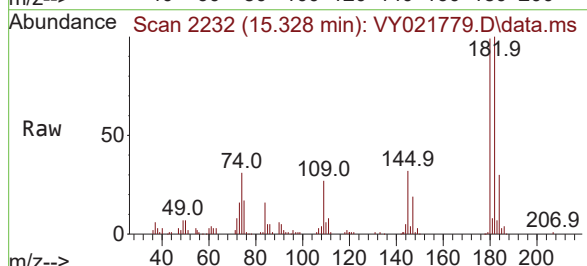
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion:	180	Resp:	39094
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.5
145	32.4	15.9	47.7



Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY040425	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021776.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:23 PM	Sam	4/7/2025 1:12:29 PM	Peak Integrated by Software
VY0404SBS01	VY021778.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:27 PM	Sam	4/7/2025 1:12:30 PM	Peak Integrated by Software
VY0404SBS01	VY021778.D	Methacrylonitrile	MMDadoda	4/7/2025 12:55:27 PM	Sam	4/7/2025 1:12:30 PM	Peak Integrated by Software
VY0404SBSD01	VY021779.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:31 PM	Sam	4/7/2025 1:12:31 PM	Peak Integrated by Software
VY0404SBSD01	VY021779.D	Methacrylonitrile	MMDadoda	4/7/2025 12:55:31 PM	Sam	4/7/2025 1:12:31 PM	Peak Integrated by Software
Q1730-11	VY021786.D	Ethyl Acetate	MMDadoda	4/7/2025 12:55:35 PM	Sam	4/7/2025 1:12:33 PM	Peak Integrated by Software
VSTDCCC050	VY021792.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:43 PM	Sam	4/7/2025 1:12:34 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY040725	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021794.D	1,2,3-Trichloropropane	MMDadoda	4/8/2025 2:05:42 PM	SAM	4/8/2025 2:07:22 PM	Peak Integrated by Software
VSTDCCC050	VY021794.D	Methacrylonitrile	MMDadoda	4/8/2025 2:05:42 PM	SAM	4/8/2025 2:07:22 PM	Peak Integrated by Software
VY0407SBS01	VY021796.D	1,2,3-Trichloropropane	MMDadoda	4/8/2025 2:05:43 PM	SAM	4/8/2025 2:07:23 PM	Peak Integrated by Software
VSTDCCC050	VY021804.D	1,2,3-Trichloropropane	MMDadoda	4/8/2025 2:05:49 PM	SAM	4/8/2025 2:07:27 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Maresh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP133499				
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508				
CCC	VP133510				
Internal Standard/PEM	VP131783				
ICV/I.BLK	VP133509				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Maresh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP133499				
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508				
CCC	VP133510				
Internal Standard/PEM	VP131783				
ICV/I.BLK	VP133509				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY040425

Review By	Mahesh Dadoda	Review On	4/7/2025 12:13:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/7/2025 1:12:39 PM		
SubDirectory	VY040425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133593			
CCC		VP133594,VP133595			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021775.D	04 Apr 2025 08:52	SY/MD	Ok
2	VSTDCCC050	VY021776.D	04 Apr 2025 09:22	SY/MD	Ok,M
3	VY0404SBL01	VY021777.D	04 Apr 2025 09:57	SY/MD	Ok
4	VY0404SBS01	VY021778.D	04 Apr 2025 10:26	SY/MD	Ok,M
5	VY0404SBSD01	VY021779.D	04 Apr 2025 10:49	SY/MD	Ok,M
6	Q1721-01	VY021780.D	04 Apr 2025 12:22	SY/MD	Ok
7	Q1730-01	VY021781.D	04 Apr 2025 13:27	SY/MD	Ok
8	Q1730-03	VY021782.D	04 Apr 2025 13:50	SY/MD	Ok
9	Q1730-05	VY021783.D	04 Apr 2025 14:13	SY/MD	Ok
10	Q1730-07	VY021784.D	04 Apr 2025 14:37	SY/MD	Ok
11	Q1730-09	VY021785.D	04 Apr 2025 15:00	SY/MD	Ok
12	Q1730-11	VY021786.D	04 Apr 2025 15:24	SY/MD	Ok,M
13	Q1730-13	VY021787.D	04 Apr 2025 15:47	SY/MD	Ok
14	Q1730-15	VY021788.D	04 Apr 2025 16:11	SY/MD	Ok
15	Q1730-17	VY021789.D	04 Apr 2025 16:34	SY/MD	ReRun
16	Q1730-19	VY021790.D	04 Apr 2025 16:57	SY/MD	ReRun
17	VIBLK	VY021791.D	04 Apr 2025 17:21	SY/MD	Ok
18	VSTDCCC050	VY021792.D	04 Apr 2025 17:44	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY040725

Review By	Mahesh Dadoda	Review On	4/8/2025 2:06:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/8/2025 2:07:32 PM		
SubDirectory	VY040725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133613			
CCC		VP133614,VP133615			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021793.D	07 Apr 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY021794.D	07 Apr 2025 09:10	SY/MD	Ok,M
3	VY0407SBL01	VY021795.D	07 Apr 2025 13:35	SY/MD	Ok
4	VY0407SBS01	VY021796.D	07 Apr 2025 14:07	SY/MD	Ok,M
5	VY0407SBSD01	VY021797.D	07 Apr 2025 14:30	SY/MD	Ok,M
6	Q1730-17	VY021798.D	07 Apr 2025 15:10	SY/MD	Ok
7	Q1730-19	VY021799.D	07 Apr 2025 15:32	SY/MD	Ok
8	Q1733-01	VY021800.D	07 Apr 2025 15:56	SY/MD	Ok
9	Q1735-01	VY021801.D	07 Apr 2025 16:19	SY/MD	Ok
10	Q1737-01	VY021802.D	07 Apr 2025 16:42	SY/MD	ReRun
11	Q1738-01	VY021803.D	07 Apr 2025 17:06	SY/MD	ReRun
12	VSTDCCC050	VY021804.D	07 Apr 2025 17:29	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133499			
Initial Calibration Stds		VP133500,VP133501,VP133502,VP133503,VP133505,VP133508			
CCC		VP133510			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133509			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY040425

Review By	Mahesh Dadoda	Review On	4/7/2025 12:13:49 PM
Supervise By	Semsettin Yesilyurt	Supervise On	4/7/2025 1:12:39 PM
SubDirectory	VY040425	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133593
CCC	VP133594, VP133595
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021775.D	04 Apr 2025 08:52		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021776.D	04 Apr 2025 09:22		SY/MD	Ok,M
3	VY0404SBL01	VY0404SBL01	VY021777.D	04 Apr 2025 09:57		SY/MD	Ok
4	VY0404SBS01	VY0404SBS01	VY021778.D	04 Apr 2025 10:26		SY/MD	Ok,M
5	VY0404SBSD01	VY0404SBSD01	VY021779.D	04 Apr 2025 10:49		SY/MD	Ok,M
6	Q1721-01	AU-05-040325	VY021780.D	04 Apr 2025 12:22	vial-A	SY/MD	Ok
7	Q1730-01	OU4-VSL-15-040325	VY021781.D	04 Apr 2025 13:27	vial-A	SY/MD	Ok
8	Q1730-03	OU4-VSL-16-040325	VY021782.D	04 Apr 2025 13:50	vial-A	SY/MD	Ok
9	Q1730-05	OU4-VSL-17-040325	VY021783.D	04 Apr 2025 14:13	vial-A	SY/MD	Ok
10	Q1730-07	OU4-PCS-TC-21-040325	VY021784.D	04 Apr 2025 14:37	vial-A	SY/MD	Ok
11	Q1730-09	OU4-PCS-TC-22-040325	VY021785.D	04 Apr 2025 15:00	vial-A	SY/MD	Ok
12	Q1730-11	OU4-PCS-TC-23-040325	VY021786.D	04 Apr 2025 15:24	vial-A	SY/MD	Ok,M
13	Q1730-13	OU4-PCS-TC-24-040325	VY021787.D	04 Apr 2025 15:47	vial-A	SY/MD	Ok
14	Q1730-15	OU4-PCS-TC-25-040325	VY021788.D	04 Apr 2025 16:11	vial-A	SY/MD	Ok
15	Q1730-17	OU4-PCS-TC-26-040325	VY021789.D	04 Apr 2025 16:34	Vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1730-19	OU4-CF-15-040325	VY021790.D	04 Apr 2025 16:57	vial-A Internal Standard Fail	SY/MD	ReRun
17	VIBLK	VIBLK	VY021791.D	04 Apr 2025 17:21		SY/MD	Ok
18	VSTDCCC050	VSTDCCC050EC	VY021792.D	04 Apr 2025 17:44		SY/MD	Ok,M

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040425

Review By	Mahesh Dadoda	Review On	4/7/2025 12:13:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/7/2025 1:12:39 PM		
SubDirectory	VY040425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133593			
CCC		VP133594,VP133595			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY040725

Review By	Mahesh Dadoda	Review On	4/8/2025 2:06:29 PM
Supervise By	Semsettin Yesilyurt	Supervise On	4/8/2025 2:07:32 PM
SubDirectory	VY040725	HP Acquire Method	MSVOA_Y HP Processing Method 82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133613
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133614,VP133615 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021793.D	07 Apr 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021794.D	07 Apr 2025 09:10		SY/MD	Ok,M
3	VY0407SBL01	VY0407SBL01	VY021795.D	07 Apr 2025 13:35		SY/MD	Ok
4	VY0407SBS01	VY0407SBS01	VY021796.D	07 Apr 2025 14:07		SY/MD	Ok,M
5	VY0407SBSD01	VY0407SBSD01	VY021797.D	07 Apr 2025 14:30		SY/MD	Ok,M
6	Q1730-17	OU4-PCS-TC-26-04032	VY021798.D	07 Apr 2025 15:10	vial-B	SY/MD	Ok
7	Q1730-19	OU4-CF-15-040325	VY021799.D	07 Apr 2025 15:32	vial-B	SY/MD	Ok
8	Q1733-01	ETGI-328	VY021800.D	07 Apr 2025 15:56	vial-A	SY/MD	Ok
9	Q1735-01	50660-50661-50662-56	VY021801.D	07 Apr 2025 16:19	vial-A	SY/MD	Ok
10	Q1737-01	RT3069	VY021802.D	07 Apr 2025 16:42	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q1738-01	OK-02-040425	VY021803.D	07 Apr 2025 17:06	vial-A Internal Standard Fail	SY/MD	ReRun
12	VSTDCCC050	VSTDCCC050EC	VY021804.D	07 Apr 2025 17:29		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135307

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
Q1729-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1729-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1729-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1729-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1729-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1729-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1729-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1729-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1729-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1729-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1730-01	OU4-VSL-15-040325	11	1.14	10.58	11.72	11.39	96.9	
Q1730-03	OU4-VSL-16-040325	12	1.15	10.28	11.43	10.86	94.5	
Q1730-05	OU4-VSL-17-040325	13	1.16	11.32	12.48	11.62	92.4	
Q1730-07	OU4-PCS-TC-21-040325	14	1.18	10.92	12.1	10.9	89.0	
Q1730-09	OU4-PCS-TC-22-040325	15	1.16	11.79	12.95	11.87	90.8	
Q1730-11	OU4-PCS-TC-23-040325	16	1.19	11.24	12.43	11.41	90.9	
Q1730-13	OU4-PCS-TC-24-040325	17	1.18	10.42	11.6	10.69	91.3	
Q1730-15	OU4-PCS-TC-25-040325	18	1.14	11.13	12.27	11.43	92.5	
Q1730-17	OU4-PCS-TC-26-040325	19	1.15	10.84	11.99	11.13	92.1	
Q1730-19	OU4-CF-15-040325	20	1.15	10.74	11.89	11.23	93.9	
Q1732-01	TT-8	21	1.15	10.40	11.55	10.48	89.7	
Q1732-02	TT-8-EPH	22	1.15	10.33	11.48	10.34	89.0	
Q1732-03	TT-8-VOC	23	1.19	10.01	11.2	10.11	89.1	
Q1733-01	ETGI-328	24	1.18	10.19	11.37	8.37	70.6	
Q1733-02	ETGI-328-E2	25	1.18	10.29	11.47	8.27	68.9	
Q1734-01	HEH6237-1-1	26	1.00	1.00	2.00	2.00	100.0	pile
Q1734-02	HEH6237-1-2	27	1.00	1.00	2.00	2.00	100.0	pile
Q1734-03	STJ23-1-1	28	1.00	1.00	2.00	2.00	100.0	pile

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135307

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
Q1734-04	STJ23-1-2	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-05	HIA989S-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-06	HIA989S-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-07	HED302R-1-1	32	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-08	HED302R-1-2	33	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-09	HED302R-2-1	34	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-10	HED302R-2-2	35	1.00	1.00	2.00	2.00	100.0	oilc
Q1735-01	50660-50661-50662-5663-COMP	36	1.18	10.92	12.1	10.42	84.6	
Q1736-01	GST1	37	1.18	10.04	11.22	9.07	78.6	
Q1736-02	GST2	38	1.18	10.93	12.11	9.98	80.5	
Q1737-01	RT3069	39	1.19	11.58	12.77	11.34	87.7	
Q1738-01	OK-02-040425	40	1.16	10.34	11.5	10.06	86.1	
Q1738-02	OK-02-040425-E2	41	1.19	10.54	11.73	10.37	87.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135307

WorkList Name : %1-040425

WorkList ID : 188724

Department : Wet-Chemistry

Date : 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1736-02	GST2	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1730-01	OU4-VSL-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-03	OU4-VSL-16-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-05	OU4-VSL-17-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-07	OU4-PCS-TC-21-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-09	OU4-PCS-TC-22-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-11	OU4-PCS-TC-23-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-13	OU4-PCS-TC-24-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-15	OU4-PCS-TC-25-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-17	OU4-PCS-TC-26-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-19	OU4-CF-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1729-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO

Date/Time 04/04/25 1520

Raw Sample Received by: JG CEC

Raw Sample Relinquished by: JUSH

Date/Time 04/04/25

Raw Sample Received by: JUSH

Raw Sample Relinquished by: JUSH

WORKLIST(Hardcopy Internal Chain)

W2135307

WorkList Name : %1-040425

WorkList ID : 188724

Department : Wet-Chemistry

Date : 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1729-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1732-01	TT-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-02	TT-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-03	TT-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-01	ETGI-328	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-02	ETGI-328-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-01	HEH6237-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-08	HED302R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-09	HED302R-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-10	HED302R-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1735-01	50660-50661-50662-5663-COM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1737-01	RT3069	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-02	HEH6237-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-03	STJ23-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-04	STJ23-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-05	HIA989S-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-06	HIA989S-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-07	HED302R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-01	OK-02-040425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-02	OK-02-040425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/04/2025	Chemtech -SO

Date/Time 04/04/25

15:20

Raw Sample Received by:

Raw Sample Relinquished by:

[Signature]

Date/Time 04/04/25

Raw Sample Received by:

Raw Sample Relinquished by:

17:15
[Signature]
952 of 1787

Prep Standard - Chemical Standard Summary

Order ID : Q1730

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VY040425,VY040725,

Standard ID :

VP131767,VP131783,VP132035,VP132036,VP132098,VP133175,VP133342,VP133343,VP133544,VP133545,VP133593,VP133594,VP133595,VP133613,VP133614,VP133615,

Chemical ID :

V13391,V13466,V13706,V14154,V14289,V14431,V14435,V14501,V14502,V14523,V14524,V14613,V14614,V14615,V14630,V14631,V14632,V14633,V14719,V14720,V14726,V14744,V14753,V14804,V14805,V14842,V14883,V14896,V14897,V14898,V14899,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>
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
11/27/2024								

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = 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>
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
11/27/2024								

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 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	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/12/2024								

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = 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	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/12/2024								

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = 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>
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = 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>
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
03/04/2025								

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 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	VP133342	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 1.00000ml of V14896 + 1.00000ml of V14897 + 1.00000ml of V14898 + 1.00000ml of V14899 + 21.00000ml of V14883 = 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	VP133343	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 5.62500ml of V14883 + 9.37500ml of VP133342 = 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	VP133544	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 04/03/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14431 + 1.00000ml of V14435 + 1.00000ml of V14501 + 1.00000ml of V14502 + 1.00000ml of V14523 + 1.00000ml of V14524 + 1.00000ml of V14726 + 1.00000ml of V14744 + 1.00000ml of V14753 + 1.00000ml of V14804 + 1.00000ml of V14805 + 1.50000ml of V14719 + 1.50000ml of V14720 + 10.60000ml of V14615 = 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	VP133545	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 04/03/2025

FROM 5.62500ml of V14615 + 9.37500ml of VP133544 = 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	VP133593	04/04/2025	04/05/2025	Amit Patel	None	None	Maresh Dadoda
								04/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133594	04/04/2025	04/05/2025	Amit Patel	None	None	Maresh Dadoda
								04/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343
+ 0.00250ml of VP133545 + 0.00500ml of VP131783 = 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	VP133595	04/04/2025	04/05/2025	Amit Patel	None	None	Maresh Dadoda
								04/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343
+ 0.00250ml of VP133545 + 0.00500ml of VP131783 = 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>
732	BFB TUNE CHECK - SOIL	VP133613	04/07/2025	04/08/2025	Amit Patel	None	None	Maresh Dadoda
								04/09/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133614	04/07/2025	04/08/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 0.00500ml of VP131783 = 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	VP133615	04/07/2025	04/08/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

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	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14431

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	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14501

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14502

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	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14523

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	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14524

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)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

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)	22L0562016	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14719

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14720

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14726

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	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14753

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	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14804

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	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14805

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	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

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)	22L0562016	10/25/2025	02/19/2025 / Jaswal	04/22/2024 / Jaswal	V14883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14897

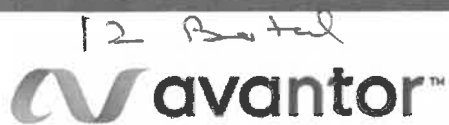
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14898

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14899

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



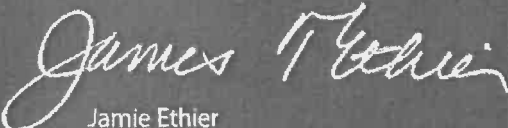
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

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	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
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 Ethier
Vice President Global Quality



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	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8h)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8h)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8h) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8h)	or-rat 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8h) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8h) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8h)	or-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8h) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JXK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8h)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8h)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	158-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8h)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8h)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	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 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	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	108-93-4	20 ppm (8h)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40005.1	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	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8h)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	109-38-3	100 ppm (435mg/m3/8h)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8h)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-mus 1060mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-46-7	75 ppm (450mg/m3/8h)	or-rat

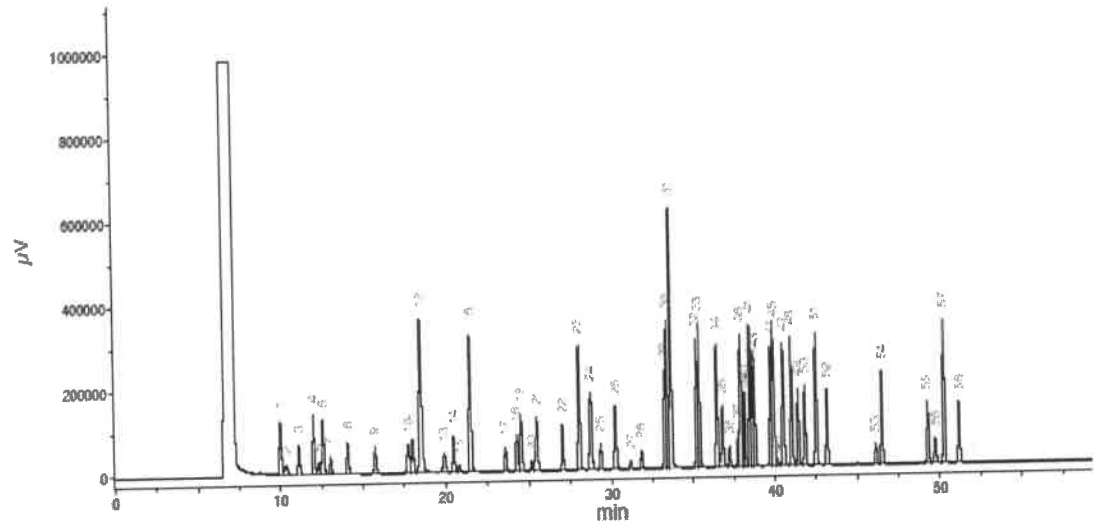


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.21
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethane	18.00
12	Methoxyvinylbenzene/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethane	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.34
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.70
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,3,5-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Ree 03117/24

CERTIFIED WEIGHT REPORT

Part Number: 95317

Lot Number: 021624

Description: Universal VOA Megamix

69 components

Expiration Date: 021627

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

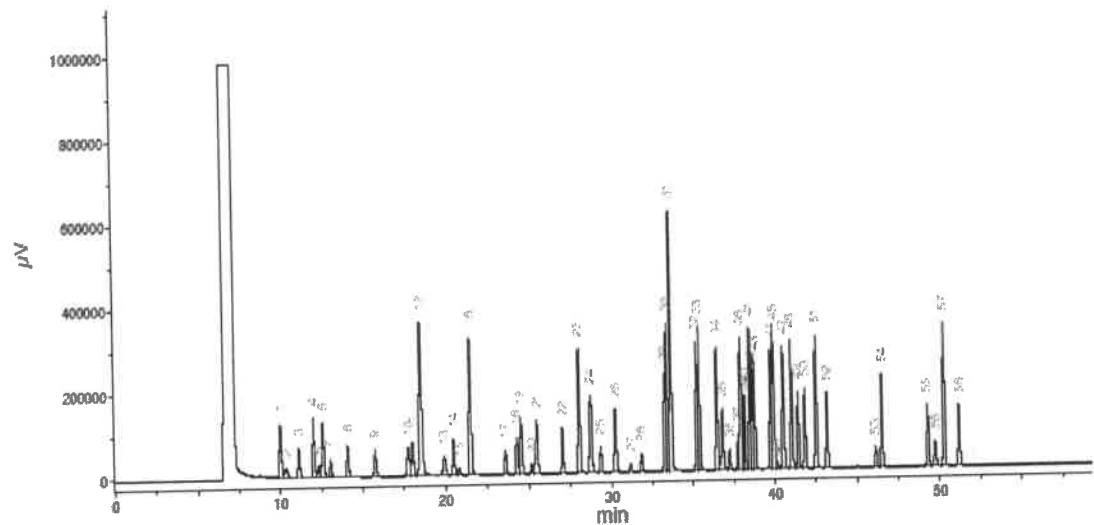
Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(0755)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKGW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JXK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	158-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	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 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	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 (1800mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40005.1	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	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.8	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-mus 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-rat



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	24.62
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	30.94
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.33
32	o-Xylene	35.70
33	Styrene	35.76
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
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-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
P302,332Highly Flammable Liquid and Vapor
Cause damage to organs
Use in ventilated area
If on skin, wash with soap and waterH301, 311, 331
H351
P280
P305,351,338Toxic 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.



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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: AcroleinSolvent(s): Water
Lot#: 072324QV14895 to
V14899

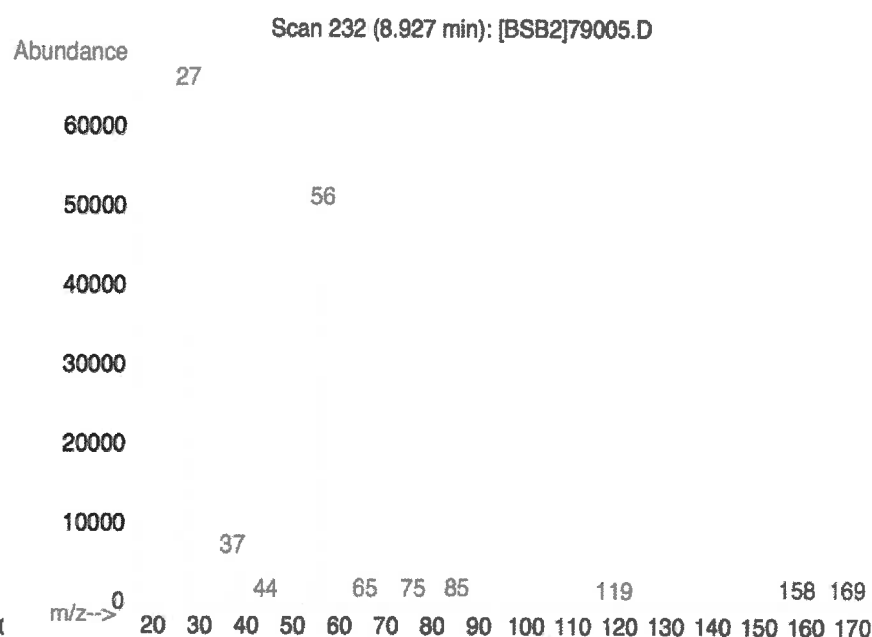
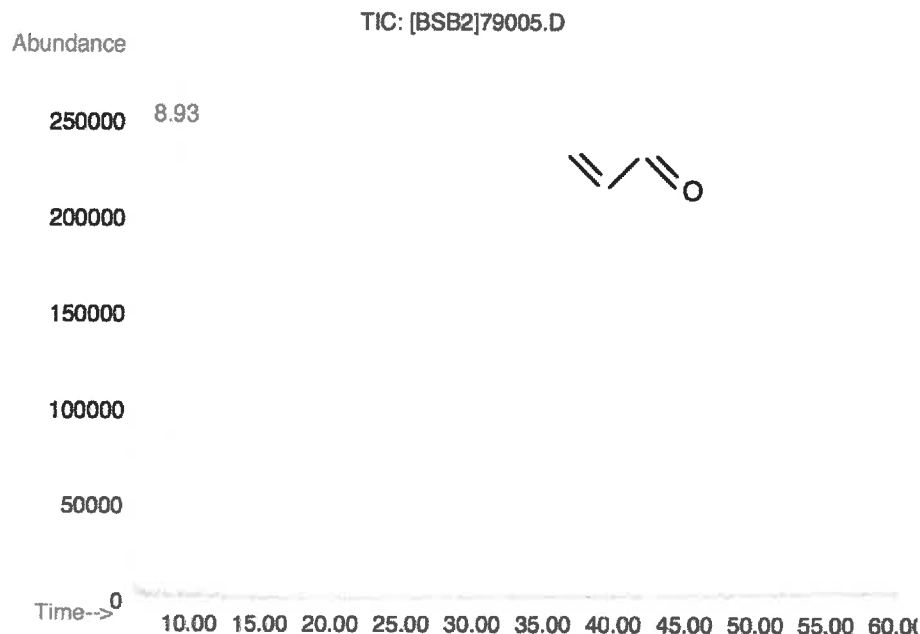
		031725
Formulated By:	Lawrence Barry	DATE
		031725
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water	CAS#: 7732-18-5	TWA: 500 ppm	
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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



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CERTIFIED WEIGHT REPORT

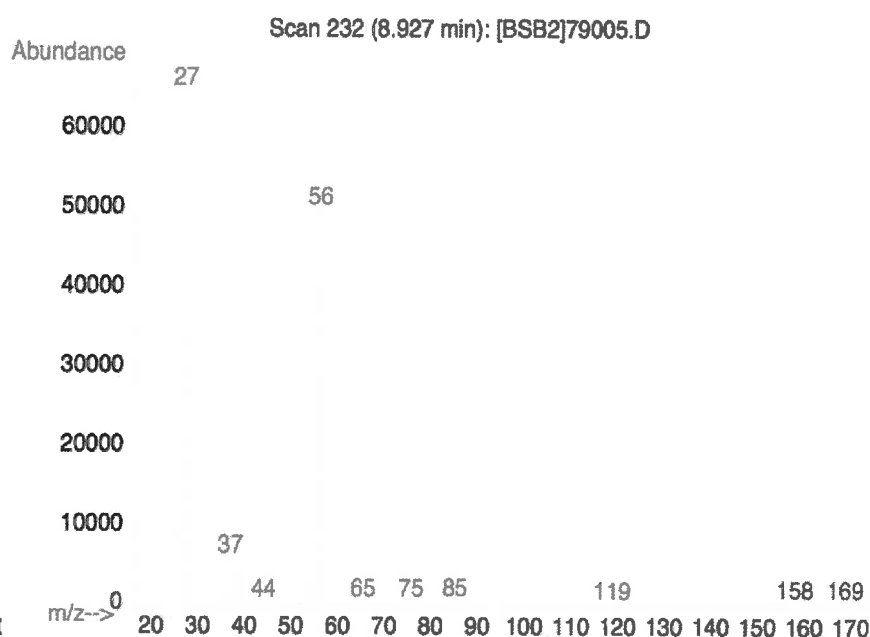
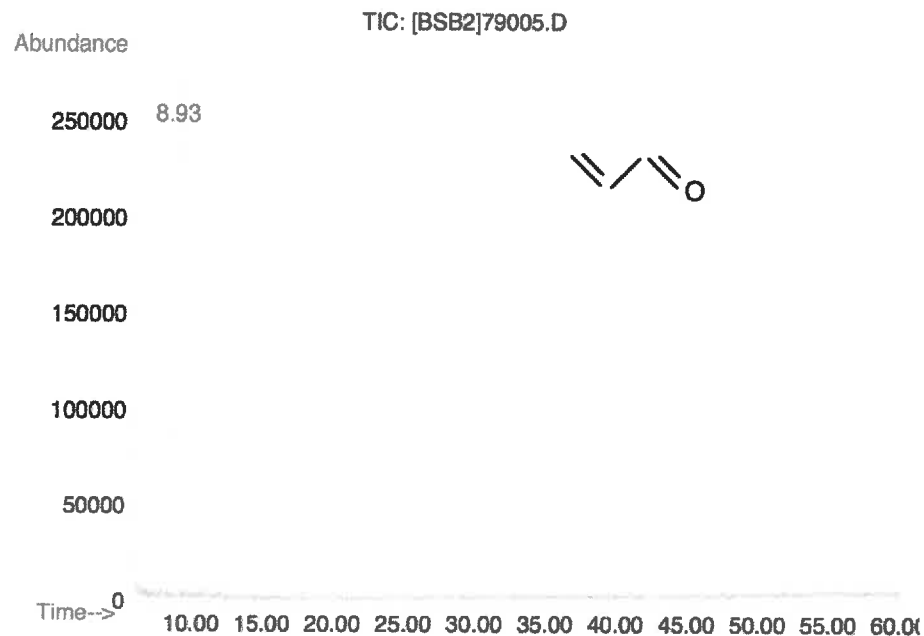
Part Number: 91980
Lot Number: 031725
Description: AcroleinSolvent(s): Water
Lot#: 072324QV14895 to
V14899Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

		031725
Formulated By:	Lawrence Barry	DATE
		031725
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	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).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water	CAS#: 7732-18-5	TWA: 500 ppm	
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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



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CERTIFIED WEIGHT REPORT

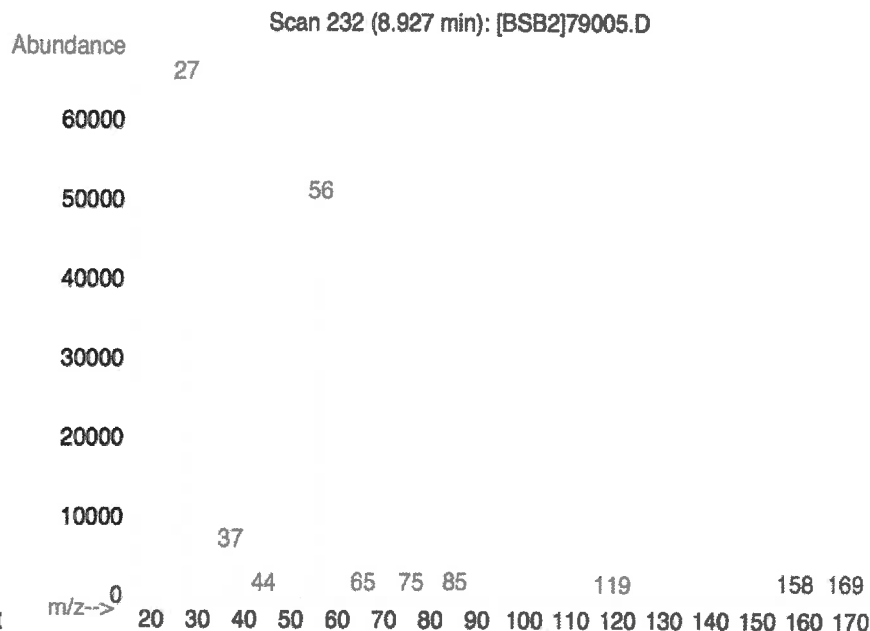
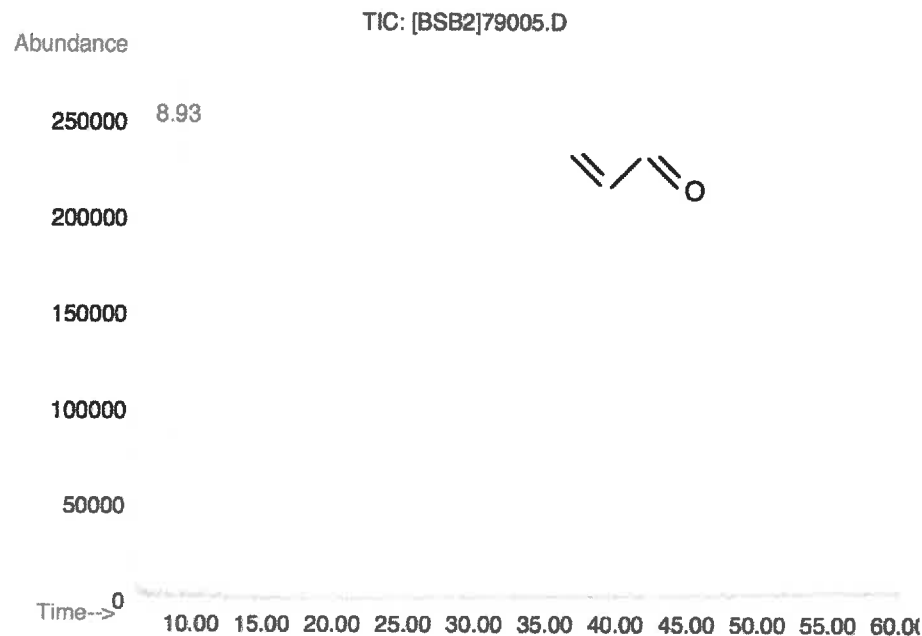
Part Number: 91980
Lot Number: 031725
Description: AcroleinSolvent(s): Water
Lot#: 072324QV14895 to
V14899Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

<i>Lawrence Barry</i>		031725
Formulated By:	Lawrence Barry	DATE
<i>Pedro L. Rentas</i>		031725
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		Eye protection.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



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CERTIFIED WEIGHT REPORT

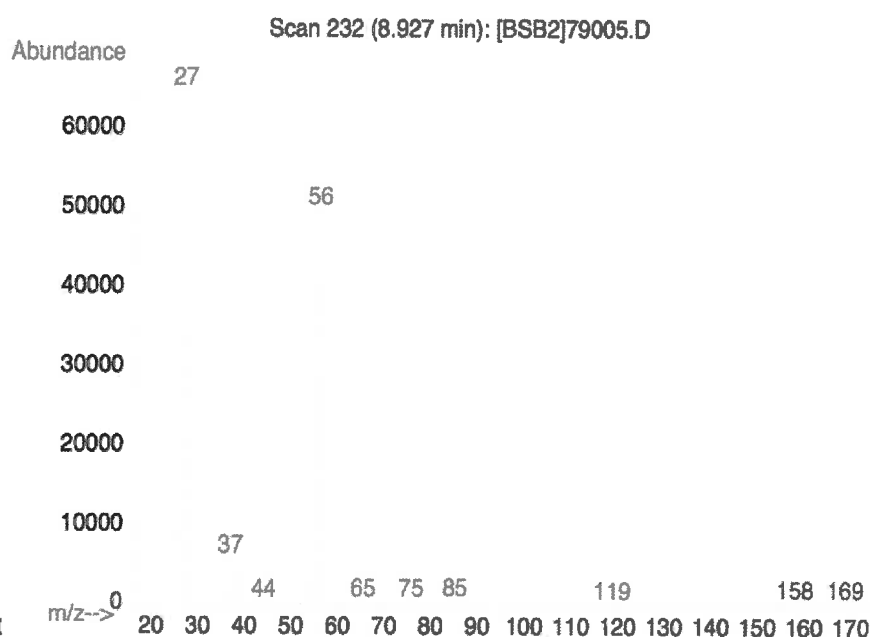
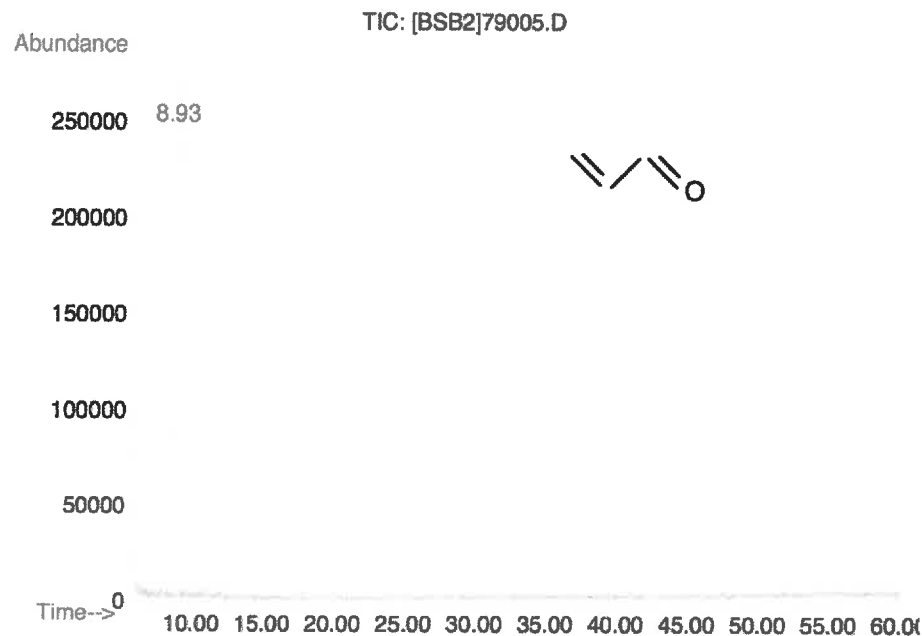
Part Number: 91980
Lot Number: 031725
Description: AcroleinSolvent(s): Water
Lot#: 072324QV14895 to
V14899Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

		031725
Formulated By:	Lawrence Barry	DATE
		031725
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water	CAS#: 7732-18-5	TWA: 500 ppm	
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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)		NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water		Completely miscible		NA
Appearance and Odor		CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material 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 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

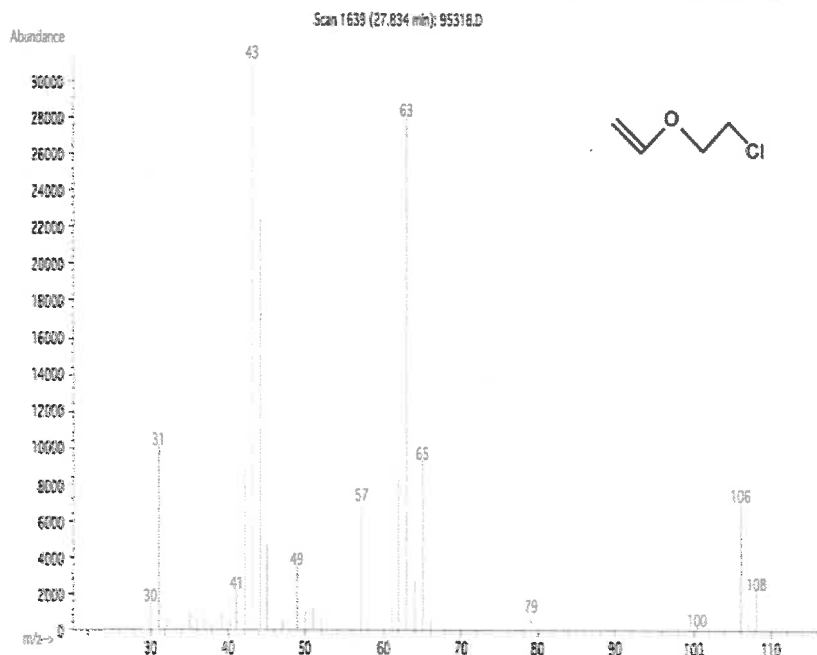
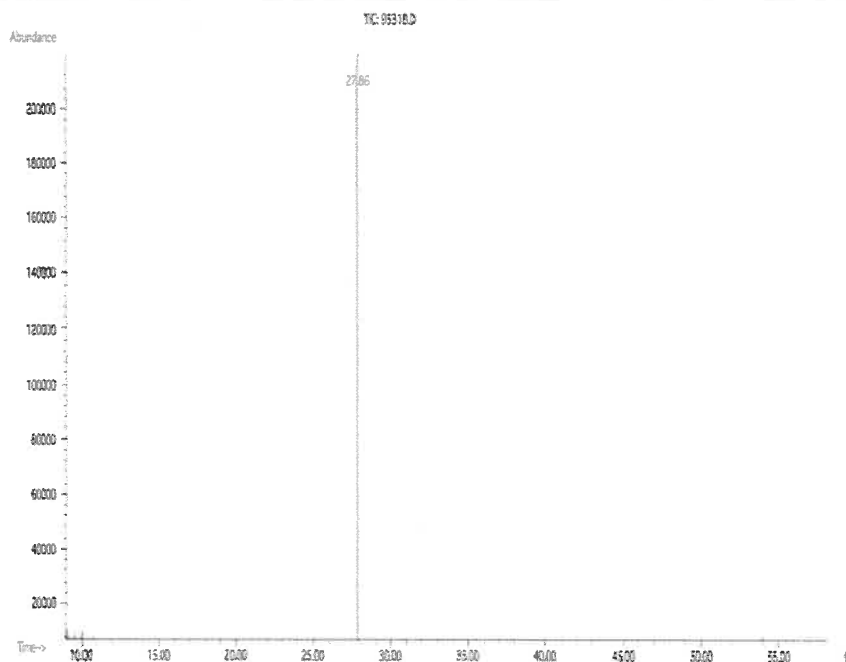
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

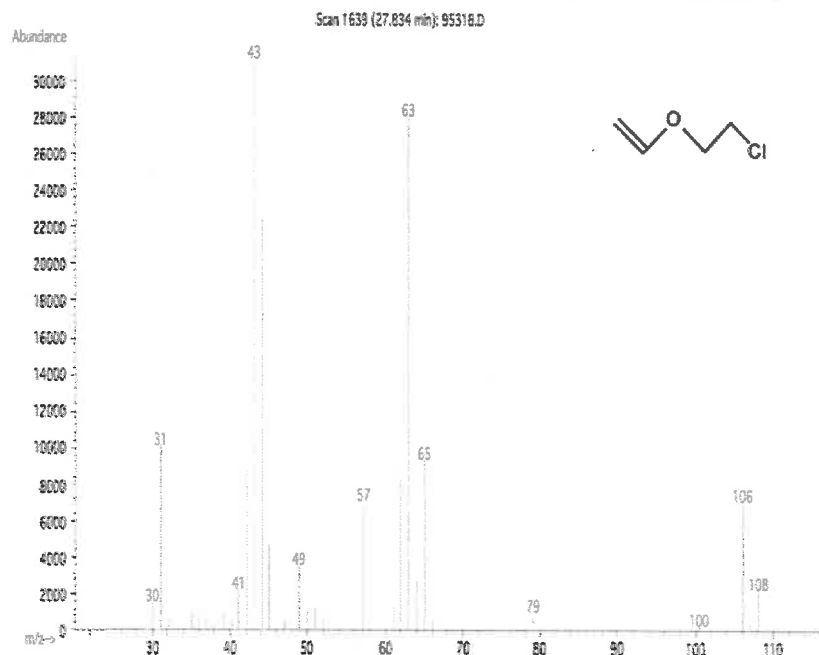
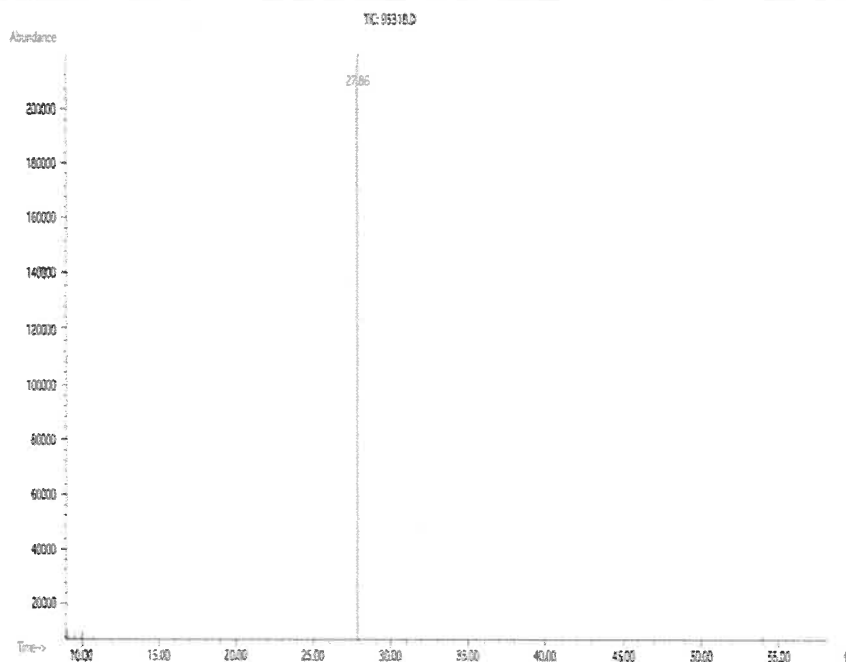
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- 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	CAS#: 67-56-1 > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (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**

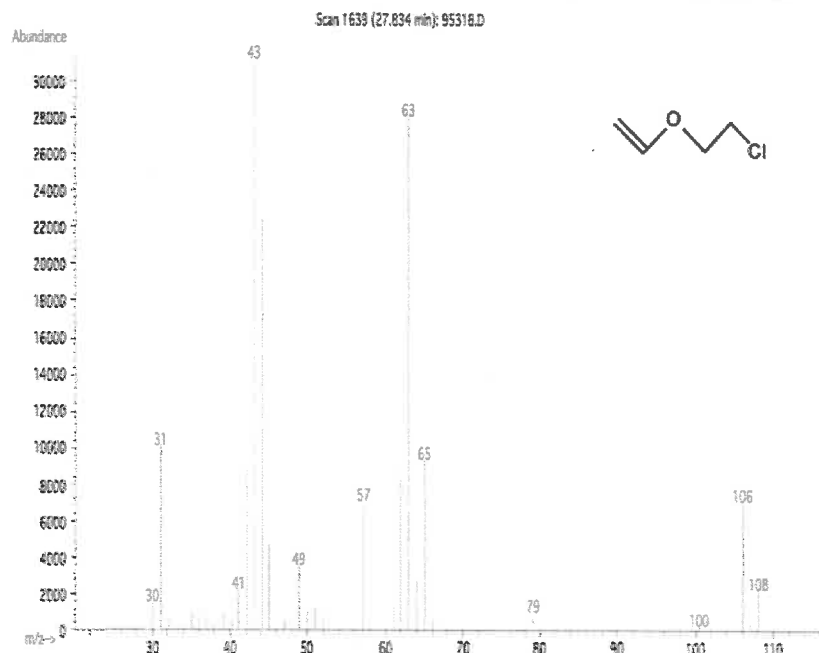
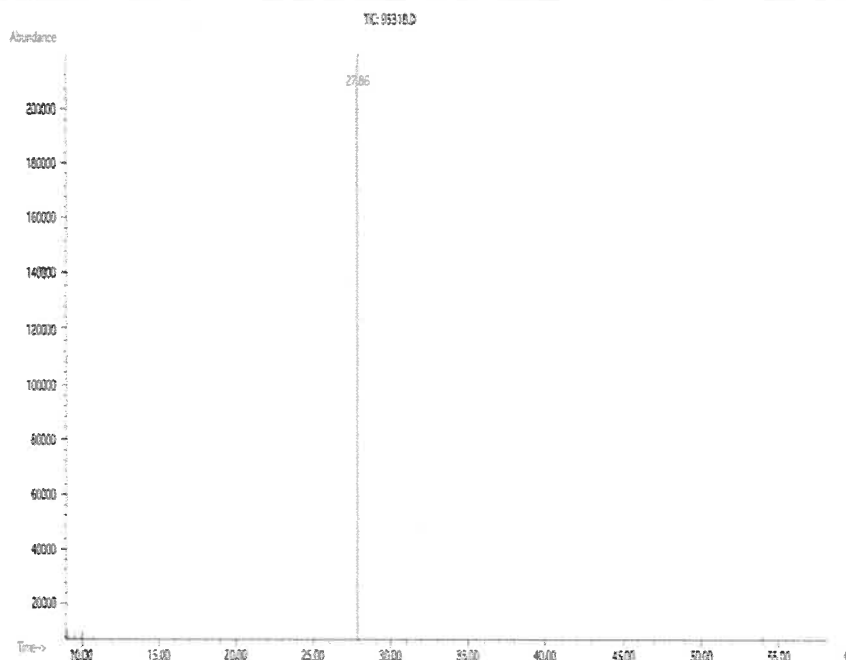
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.
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Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	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**

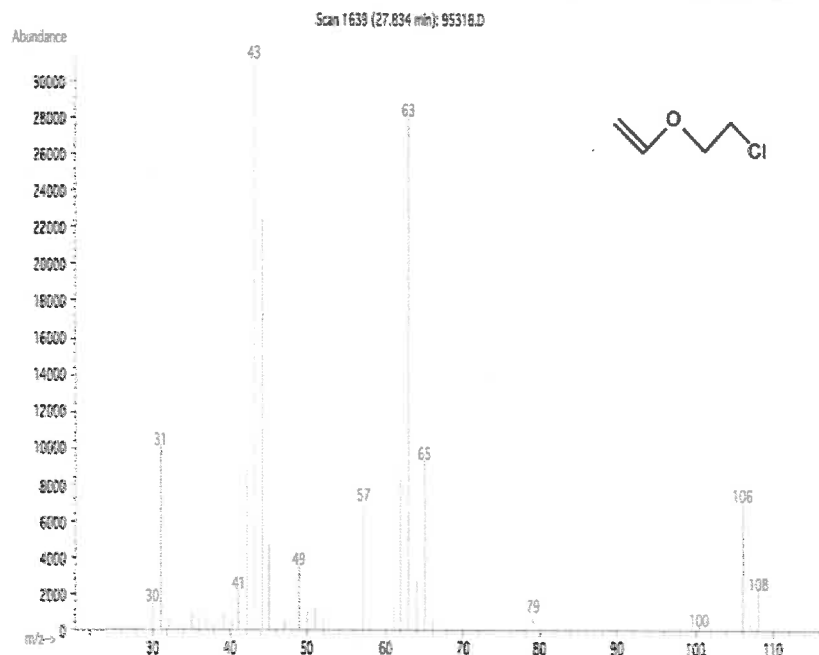
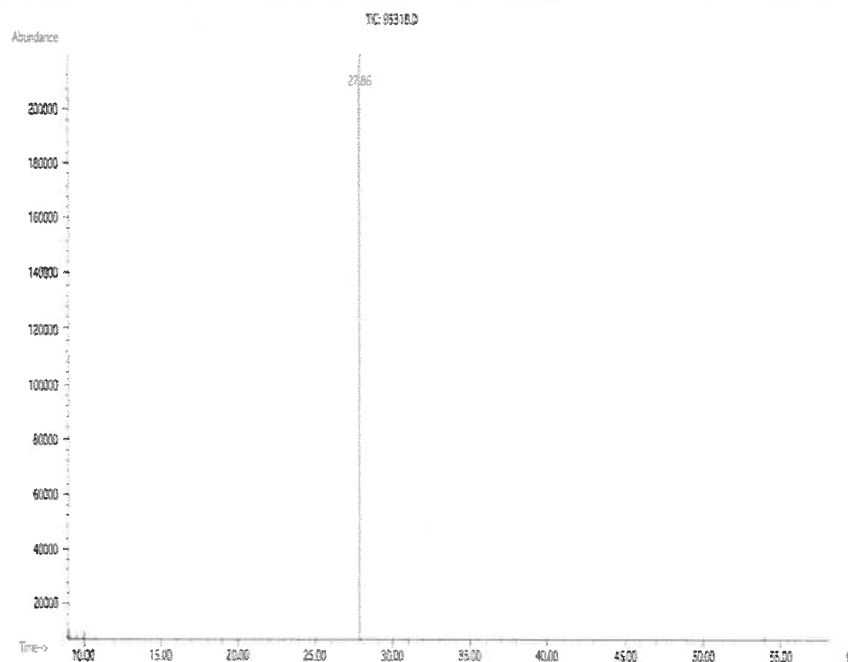
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.



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Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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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
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
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Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Methanol	67-56-1	TWA 200 ppm
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Potential for skin absorption, ingestion and inhalation.		
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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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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.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

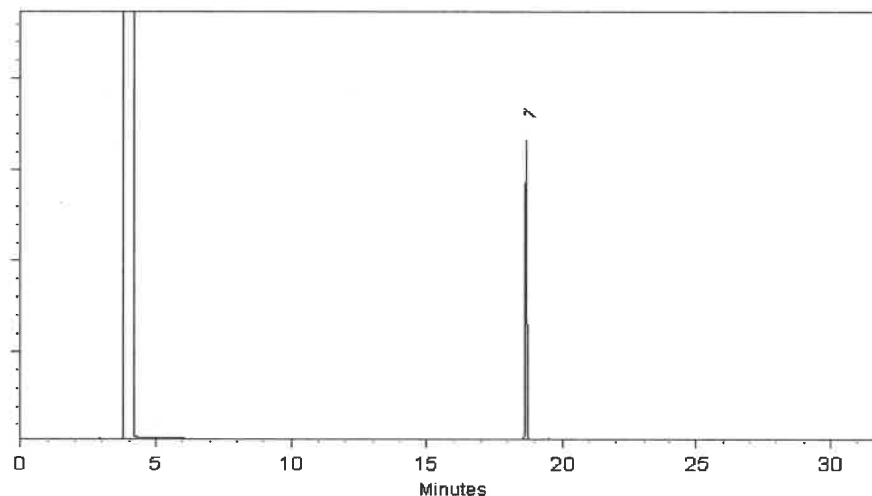
FID

Split Vent:

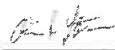
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 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	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* 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:

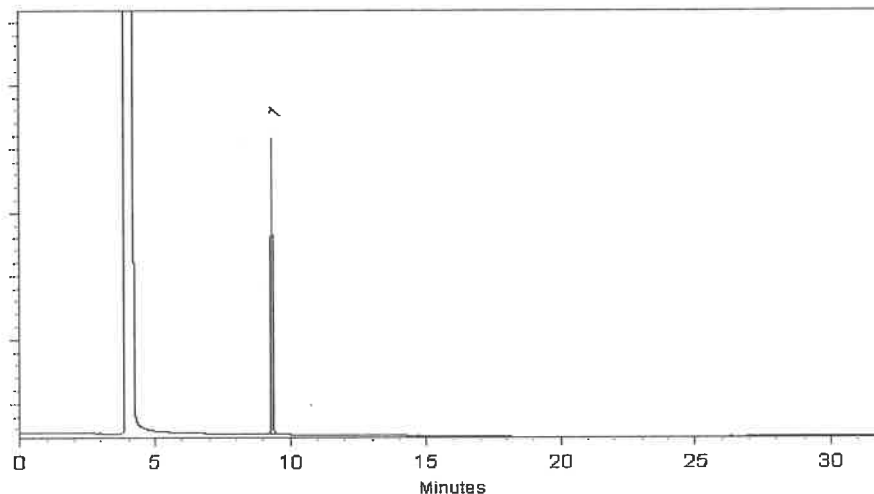
FID

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.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-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.
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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. : 555582 **Lot No.:** A0196865

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 : April 30, 2026 **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-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

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 : September 30, 2025 **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	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* 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.)

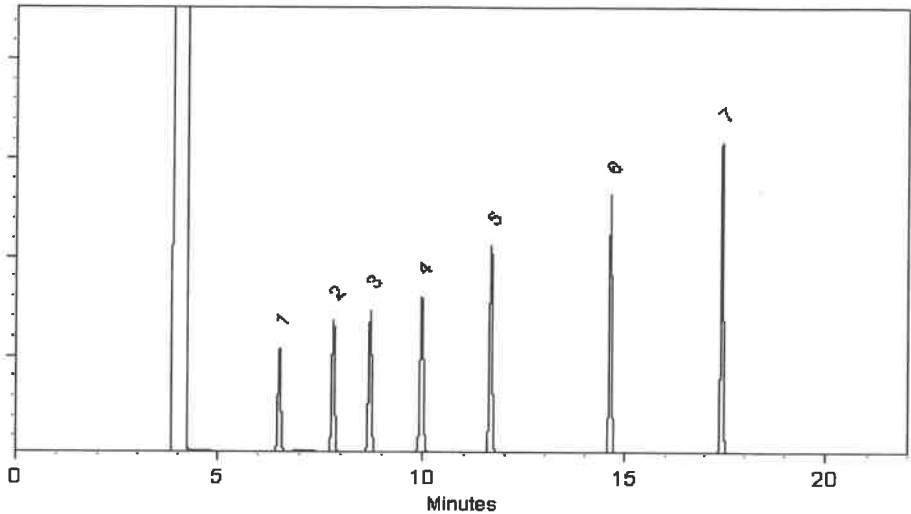
Inj. Temp:
200°C

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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

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 : September 30, 2025 **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	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* 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.)

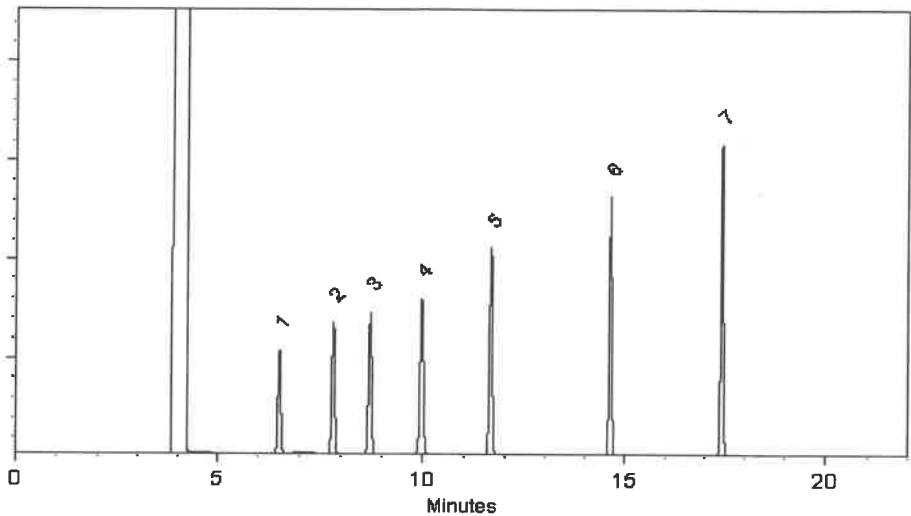
Inj. Temp:
200°C

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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

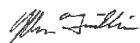
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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 America, Inc. 11/15/2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

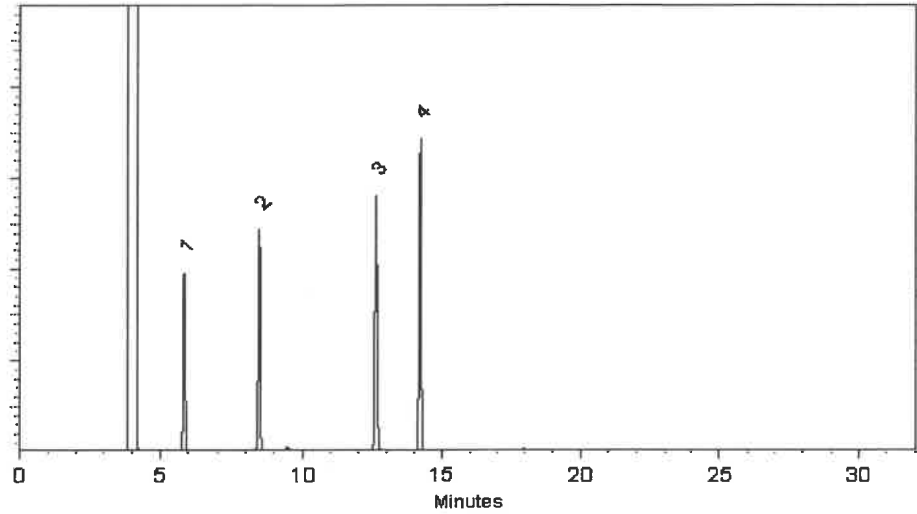
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

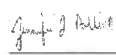


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

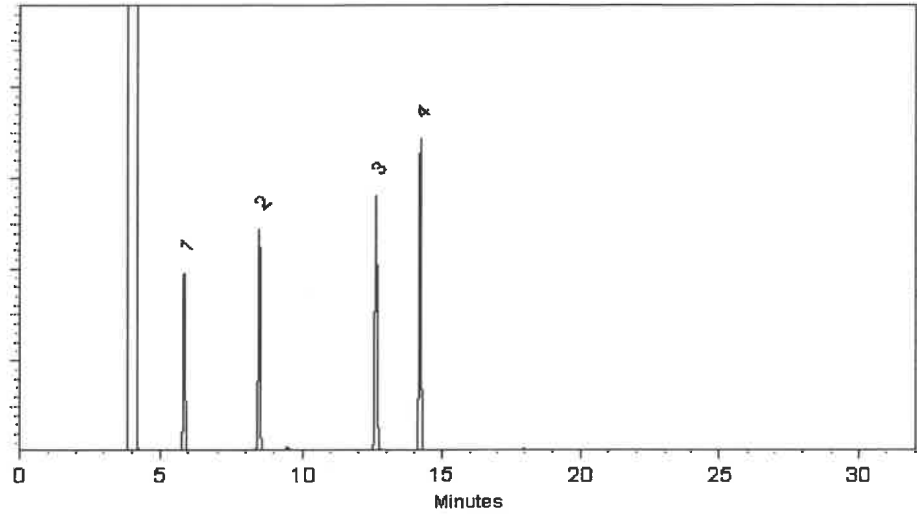
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

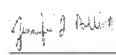


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

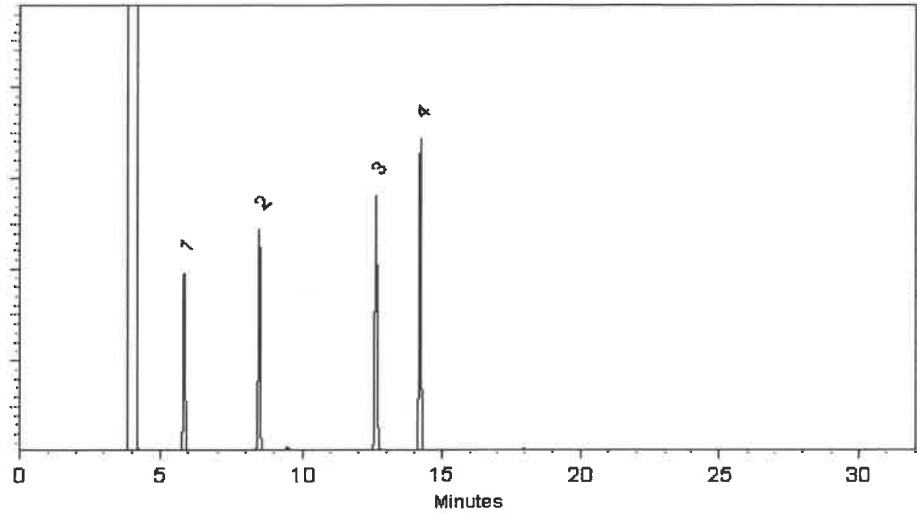
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

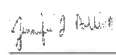


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL
30 ml

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:

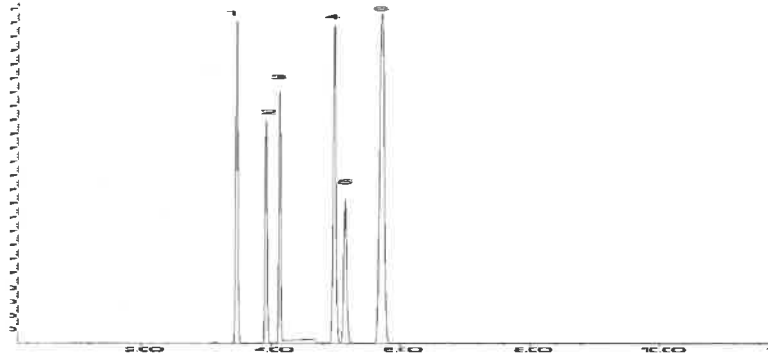
MSD

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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Rec 12/17/24
30 ml
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
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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:

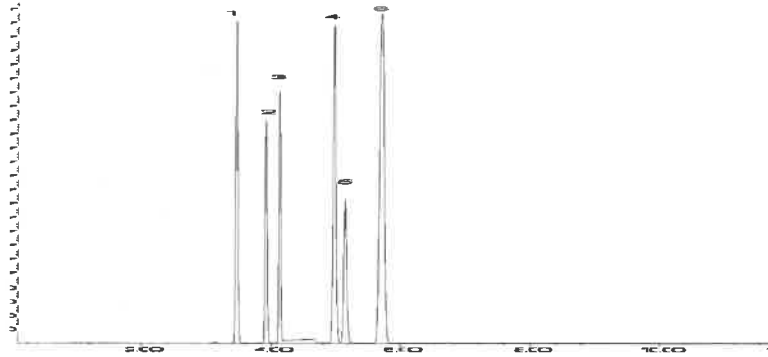
MSD

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

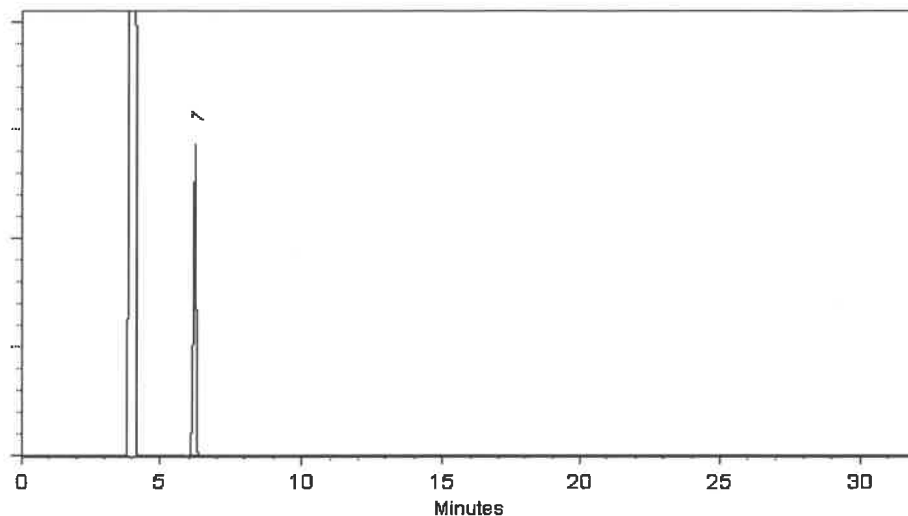
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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:

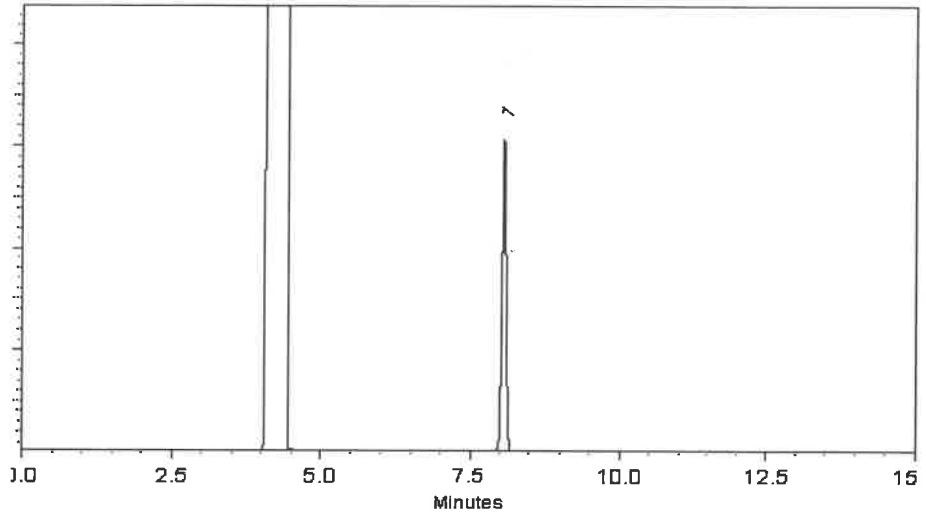
FID

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 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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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www.restek.com

2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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)
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Purity 99%

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@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

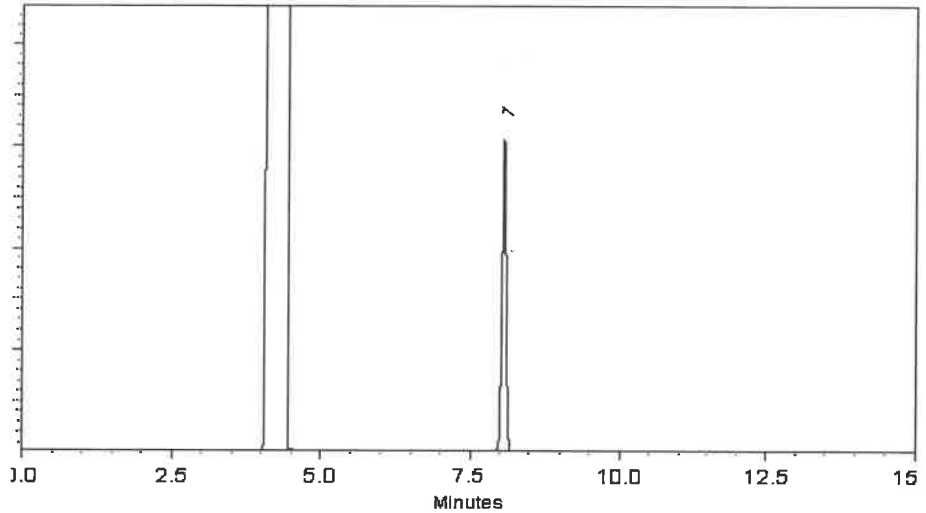
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

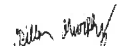


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Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105


Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Padden at 7:12 am, Jan 05, 2025

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Registered Quality System
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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
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	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
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

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



V14883
V14884

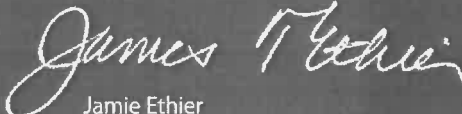
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
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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 Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1730-01	38.34-33.13=5.21	12:24	38.37-33.11=5.26	12:25	35.58-30.85=4.73	12:26	V14143	04/04/2025	8260 TERRACORE SAMPLES
2	Q1730-03	38.33-33.11=5.22	12:27	38.17-33.19=4.98	12:28	35.09-30.88=4.21	12:29	V14143	04/04/2025	
3	Q1730-05	38.59-32.89=5.7	12:30	38.73-33.07=5.66	12:31	35.80-30.79=5.01	12:32	V14143	04/04/2025	
4	Q1730-07	38.57-33.05=5.52	12:33	39.69-33.02=6.67	12:34	36.45-30.86=5.59	12:35	V14143	04/04/2025	
5	Q1730-09	39.64-33.06=6.58	12:36	39.54-33.20=6.34	12:37	36.62-30.41=6.21	12:38	V14143	04/04/2025	
6	Q1730-11	38.99-33.09=5.9	12:39	38.96-33.16=5.8	12:40	35.33-30.68=4.65	12:41	V14143	04/04/2025	
7	Q1730-13	39.38-32.98=6.4	12:42	39.01-33.08=5.93	12:43	34.53-30.80=3.73	12:44	V14143	04/04/2025	
8	Q1730-15	39.07-33.13=5.94	12:45	38.46-33.0=5.46	12:46	35.78-30.76=5.02	12:47	V14143	04/04/2025	
9	Q1730-17	38.95-33.04=5.91	12:48	39.41-33.12=6.29	12:49	35.75-30.78=4.97	12:50	V14143	04/04/2025	
10	Q1730-19	38.79-33.22=5.57	12:51	38.61-33.13=5.48	12:52	35.77-30.84=4.93	12:53	V14143	04/04/2025	

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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Sampled By: C. Odel

Requested Turnaround Time		Dissolved Metals Samples	
5-Day ☐	10-Day ☒	☐	Field Filtered
PFAS 10-Day (std) ☐	Due Date:	☐	Lab to Filter
Rush-Approval Required		Orthophosphate Samples	
1-Day ☐	3-Day ☐	☐	Field Filtered
2-Day ☐	4-Day ☐	☐	Lab to Filter
Data Delivery			
Format: PDF ☒	EXCEL ☒	PCB ONLY	
Other:		SOXHLET ☒	
CLP Like Data Pkg Required: ☐	No		
Email To: aroy@nobis-group.com		NON SOXHLET ☐	
Fax To #:			

[illegible]

2	Preservation Code <i>Characterize Only</i> <u>Total Number Of:</u> VIALS _____ GLASS _____ PLASTIC _____ BACTERIA _____ ENCORE _____ Glassware in the fridge? Y / N Glassware in freezer? Y / N Prepackaged Cooler? Y / N *Contest is not responsible for missing samples from prepacked coolers 1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)
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² Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium
 Thiosulfate
O = Other (please
 define)

Relinquished by: (signature)	Date/Time:	CS	Client Comments:
<i>[Signature]</i>	4/3/25	11:00	1750

Received by: (signature)	Date/Time	
	4/4/25 1045	2.7.24

Relinquished by: (signature)	Date/Time:	Detection Limit R
		MA

Received by: (signature)	Date/Time:	

Relinquished by: (signature)	Date/Time:	CT
Received by: (signature)		

Received by: (signature)	Date/Time:	
		Other:
Relinquished by: (signature)		

Relinquished by: (signature)	Date/Time:	Project Entity Government
Received by: (signature)		

Received by: (signature)	Date/Time:	Federal City
Lab Comments:		

Detection Limit Requirements		Special Requirements				
MA	☐	MA MCP Required				
		MCP Certification Form Required				
CT	☒	CT RCP Required				
		RCP Certification Form Required				
Other:	☐	MA State DW Required				
PWSID #						
Project Entity						
Government	☐	Municipality	☐	MWRA	☐	WRTA
Federal	☐	21 J	☐	School	☐	
City	☐	Brownfield	☐	MBTA	☐	

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Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1730 NOBI03

Order Date : 4/4/2025 10:51:00 AM

Project Mgr : Yazmeen

Client Name : Nobis Group

Project Name : Raymark Superfund Site

Report Type : Level 4

Client Contact : Adam Roy

Receive DateTime : 4/4/2025 10:45:00 AM

EDD Type : EQUIS

Invoice Name : Nobis Group

Purchase Order :

Hard Copy Date :

Invoice Contact : Adam Roy

Date Signoff : 4/4/2025 11:24:53 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1730-01	OU4-VSL-15-040325	Solid	04/03/2025	12:10					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-03	OU4-VSL-16-040325	Solid	04/03/2025	12:20					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-05	OU4-VSL-17-040325	Solid	04/03/2025	12:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-07	OU4-PCS-TC-21-040325	Solid	04/03/2025	13:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-09	OU4-PCS-TC-22-040325	Solid	04/03/2025	13:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-11	OU4-PCS-TC-23-040325	Solid	04/03/2025	13:55					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-13	OU4-PCS-TC-24-040325	Solid	04/03/2025	14:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-15	OU4-PCS-TC-25-040325	Solid	04/03/2025	14:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1730	NOBI03	Order Date : 4/4/2025 10:51:00 AM	Project Mgr : Yazmeen
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 4/4/2025 10:45:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff : 4/4/2025 11:24:53 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1730-17	OU4-PCS-TC-26-040325	Solid	04/03/2025	14:10	VOCMS Group3		8260D	10 Bus. Days	
Q1730-19	OU4-CF-15-040325	Solid	04/03/2025	13:00	VOCMS Group3		8260D	10 Bus. Days	
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

CP
4/4/25 1145

Received By :

Date / Time :

PL
4/4/25 14:15

Storage Area : VOA Refridgerator Room

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021656.D
 Acq On : 27 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Mar 28 02:13:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.300%#
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	11.020%#
50) Toluene-d8	10.109	98	44774	5.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	10.360%#
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	10.700%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l	98
3) Chloromethane	2.074	50	19017	6.010	ug/l	90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l	93
5) Bromomethane	2.598	94	15395	6.308	ug/l	99
6) Chloroethane	2.733	64	13977	5.969	ug/l	99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l	98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l	98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l	98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l	92
13) Acrolein	3.653	56	7499	26.881	ug/l	93
14) Allyl chloride	4.385	41	19469	5.362	ug/l	97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l #	88
16) Acetone	3.873	43	15736	32.687	ug/l	100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l	99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l	100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l	95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l	95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l	98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l #	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l	96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l	99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l	99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l	99
30) Chloroform	7.421	83	26819	5.662	ug/l	95
31) Cyclohexane	7.707	56	25394	6.117	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l	97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l	99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l #	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l	95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l	97
40) Benzene	8.079	78	56287	5.427	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021656.D
 Acq On : 27 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 28 02:13:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.268	41	12369	14.252	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l	98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l	97
44) Trichloroethene	8.866	130	14453	5.470	ug/l	98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l	99
46) Dibromomethane	9.231	93	7882	5.571	ug/l	97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l	92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l	96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l	97
52) Toluene	10.176	92	32954	5.093	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l	94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l	93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l	98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l	92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l	99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l	100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l	93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l	97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l	98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l	97
69) o-Xylene	11.956	106	20041	4.786	ug/l	98
70) Styrene	11.975	104	32075	4.594	ug/l	99
71) Bromoform	12.133	173	7253	5.187	ug/l #	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l	99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	13972	9.675	ug/l #	100
77) Bromobenzene	12.536	156	13783	5.305	ug/l	97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l	100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l	88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l	100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l	99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l	100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l	94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l	96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l	97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l	96
95) Naphthalene	15.151	128	16796	4.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

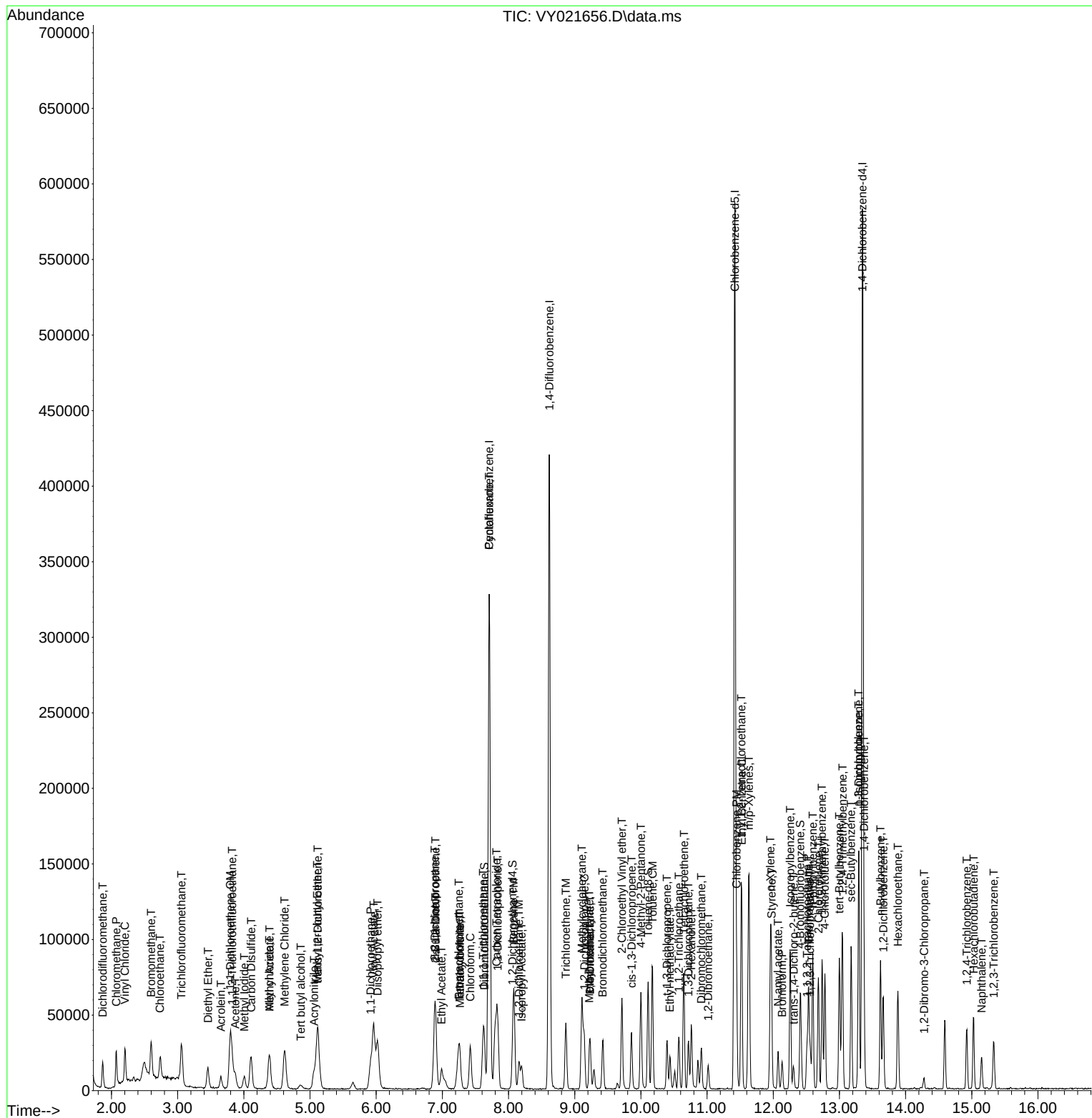
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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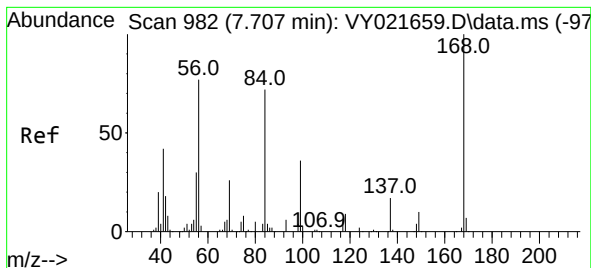
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

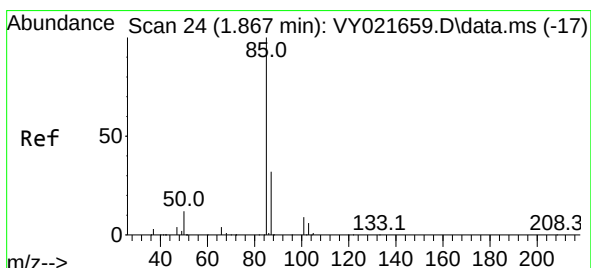
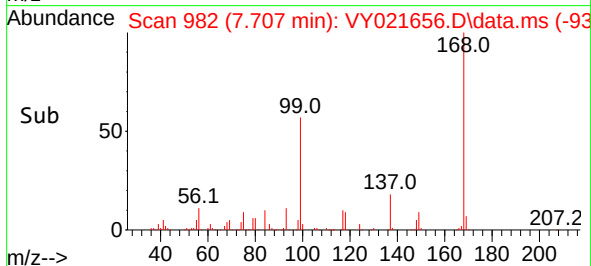
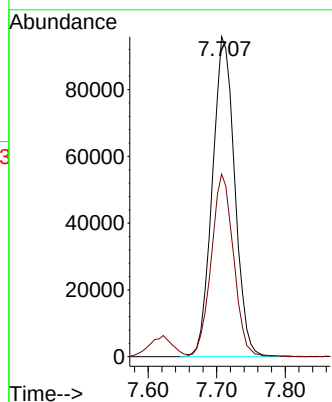
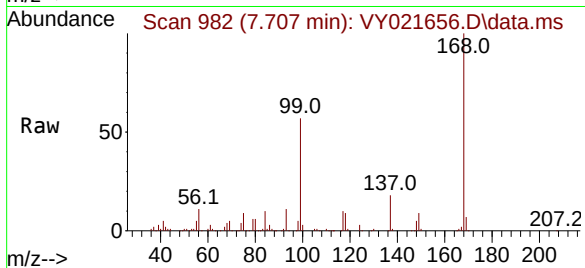
VSTDICC005

Tgt Ion:168 Resp: 217101

Ion Ratio Lower Upper

168 100

99 56.8 46.7 70.1



#2

Dichlorodifluoromethane

Concen: 5.806 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.000 min

Lab File: VY021656.D

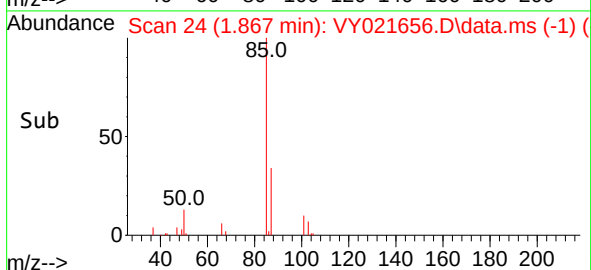
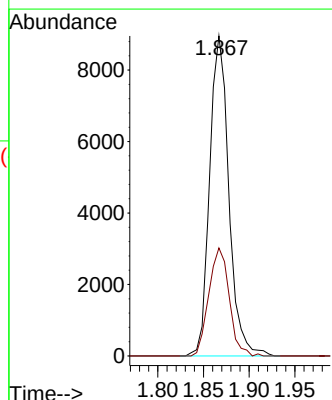
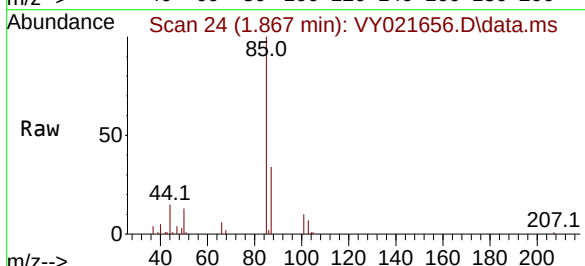
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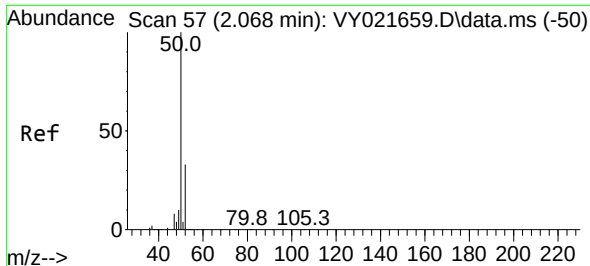
Tgt Ion: 85 Resp: 13065

Ion Ratio Lower Upper

85 100

87 33.7 16.2 48.6

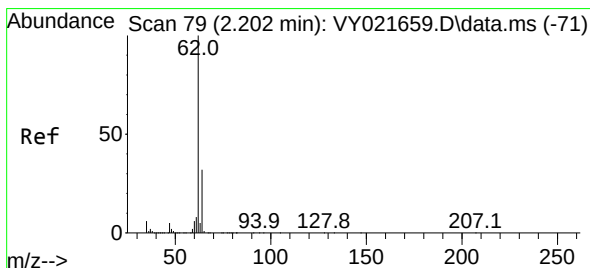
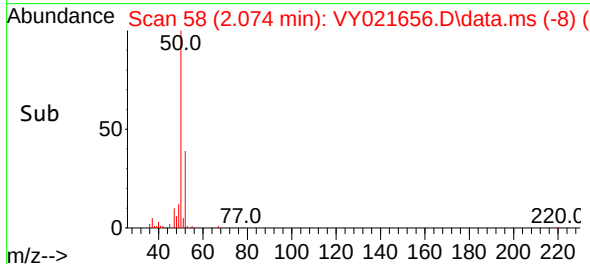
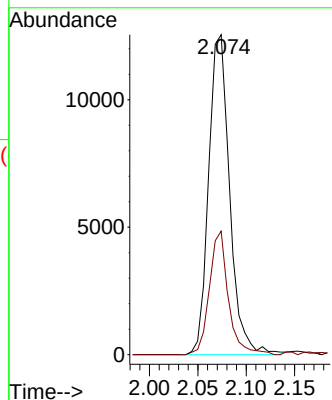
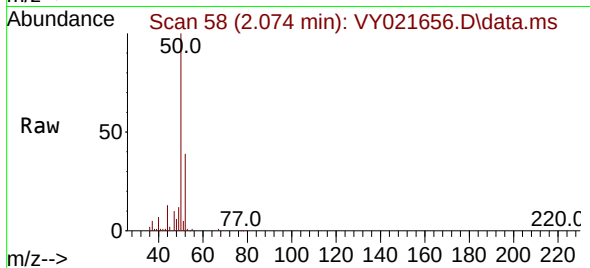




#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

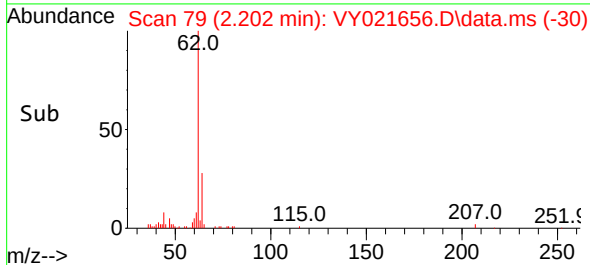
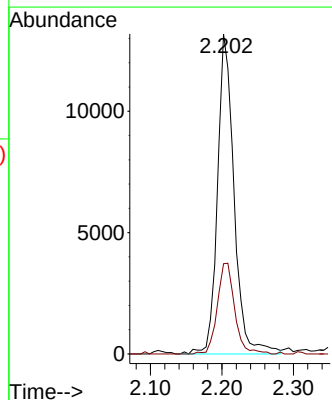
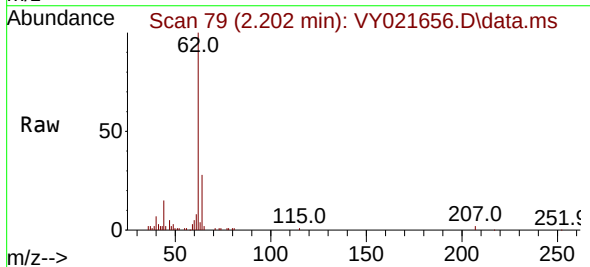
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

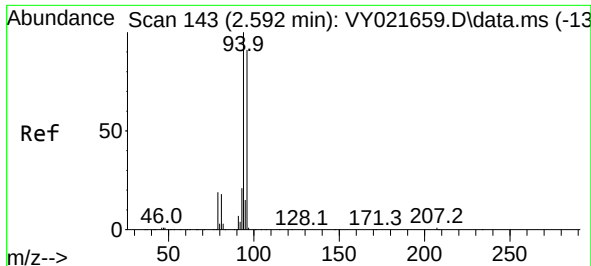
Tgt Ion: 50 Resp: 19017
Ion Ratio Lower Upper
50 100
52 38.6 26.3 39.5



#4
Vinyl Chloride
Concen: 5.928 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 21214
Ion Ratio Lower Upper
62 100
64 28.2 25.5 38.3

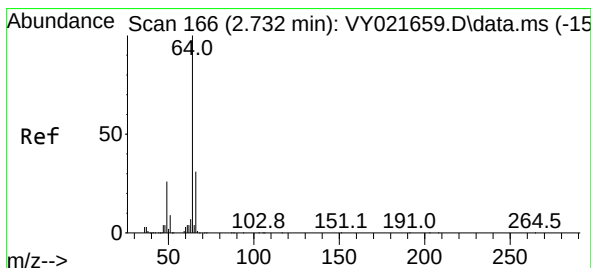
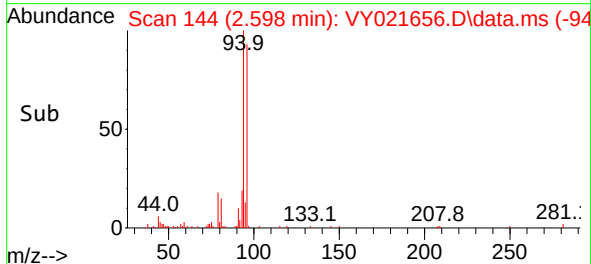
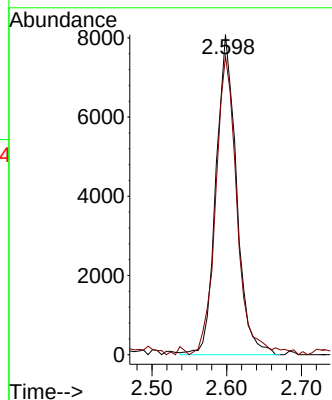
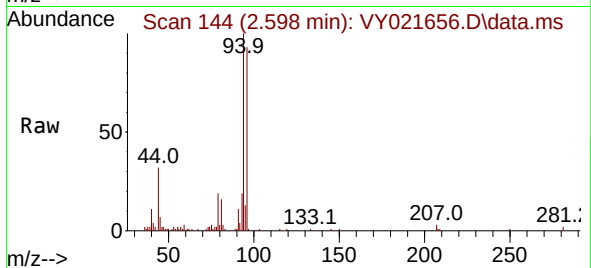




#5
Bromomethane
Concen: 6.308 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

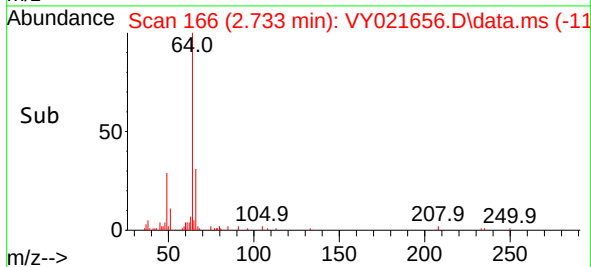
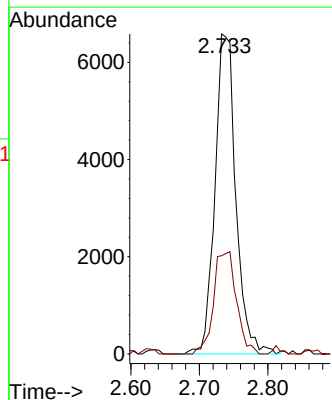
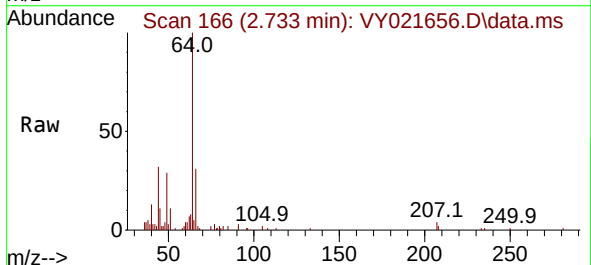
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

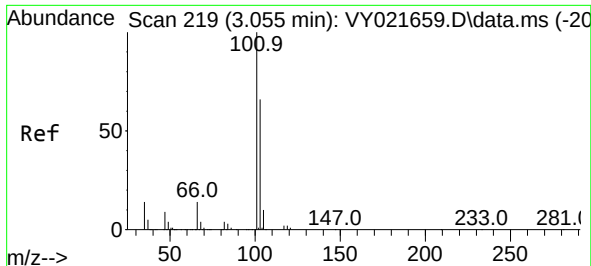
Tgt Ion: 94 Resp: 15395
Ion Ratio Lower Upper
94 100
96 91.8 72.8 109.2



#6
Chloroethane
Concen: 5.969 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 64 Resp: 13977
Ion Ratio Lower Upper
64 100
66 30.7 24.9 37.3

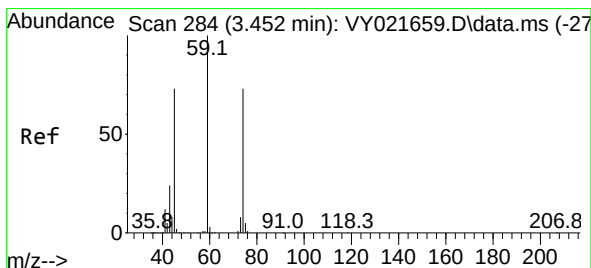
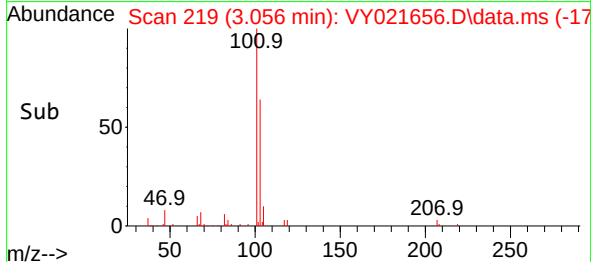
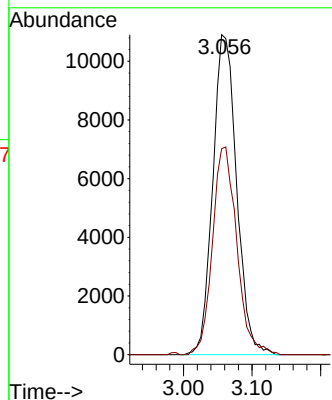
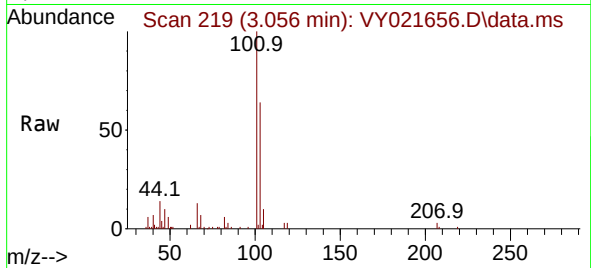




#7
Trichlorofluoromethane
Concen: 5.740 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

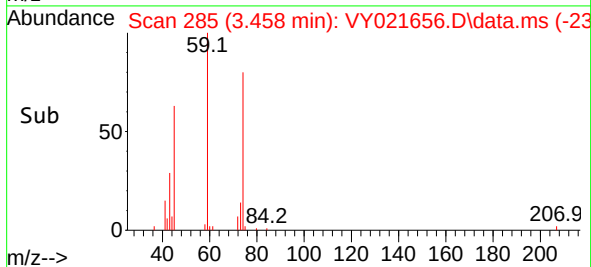
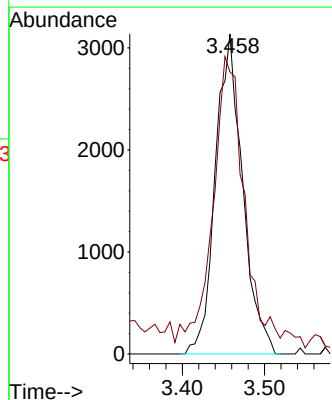
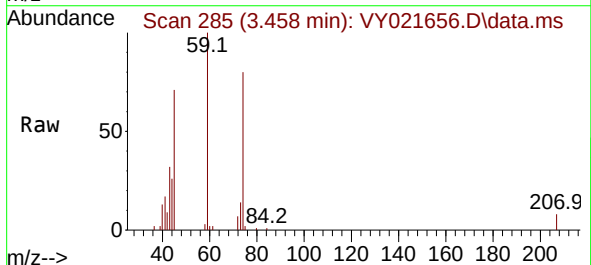
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

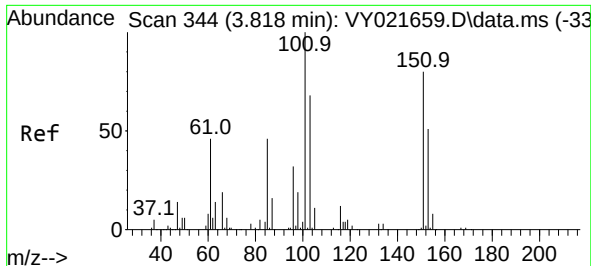
Tgt Ion:101 Resp: 26311
Ion Ratio Lower Upper
101 100
103 64.4 53.1 79.7



#8
Diethyl Ether
Concen: 5.786 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 74 Resp: 7213
Ion Ratio Lower Upper
74 100
45 99.4 48.6 145.8

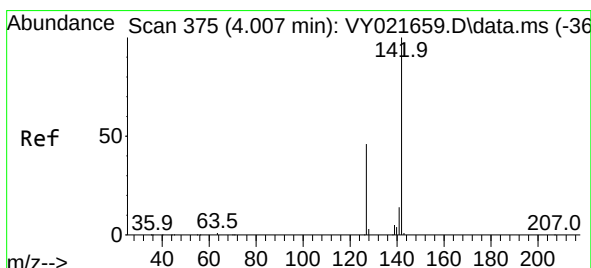
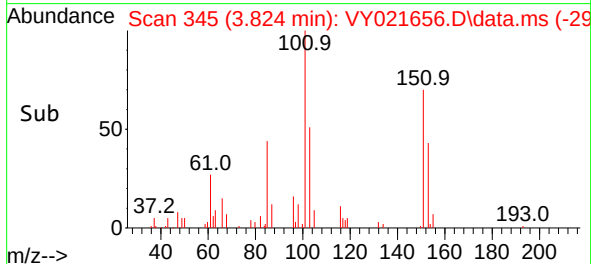
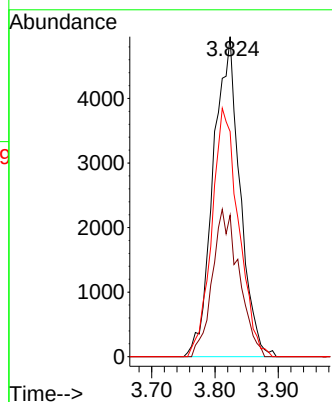
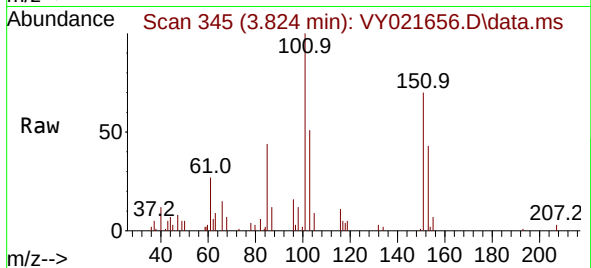




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

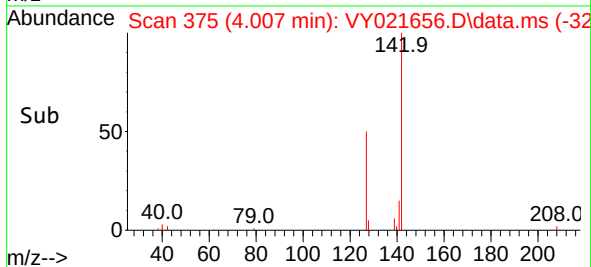
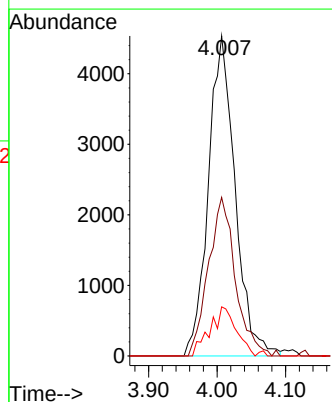
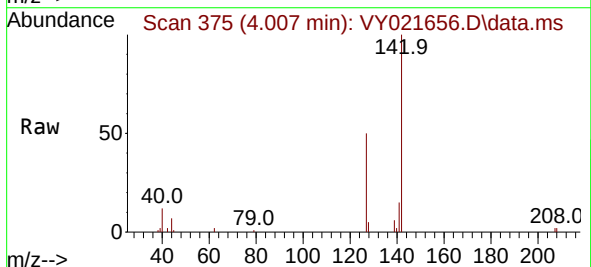
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

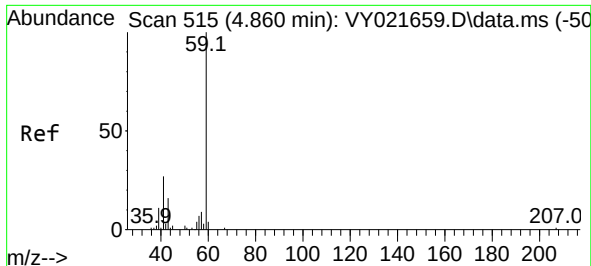
Tgt Ion:101 Resp: 14493
Ion Ratio Lower Upper
101 100
85 46.3 36.3 54.5
151 78.3 61.3 91.9



#10
Methyl Iodide
Concen: 4.642 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:142 Resp: 12311
Ion Ratio Lower Upper
142 100
127 50.2 38.7 58.1
141 15.0 11.5 17.3

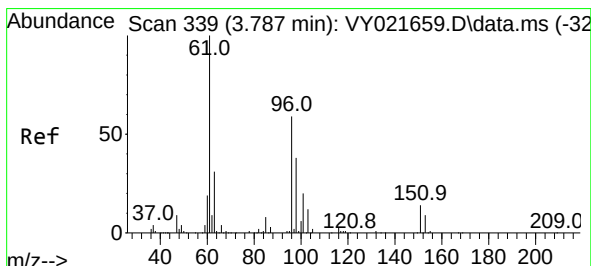
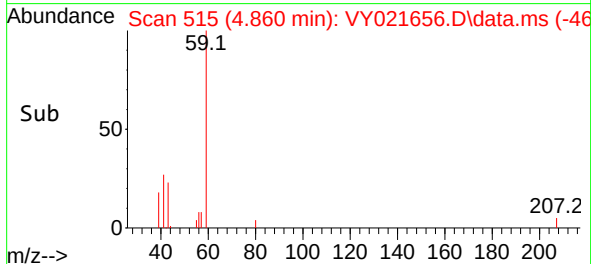
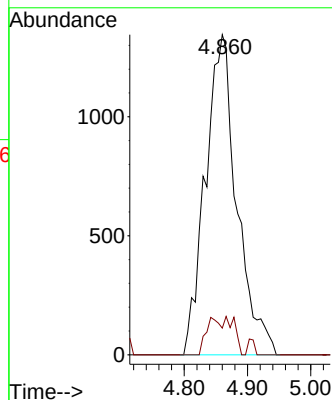
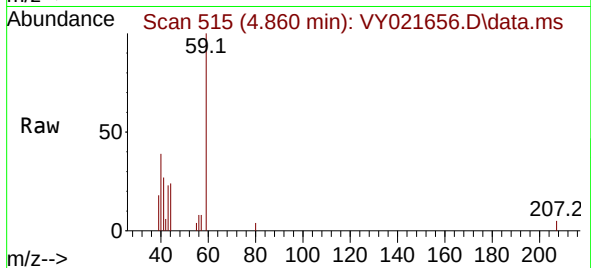




#11
Tert butyl alcohol
Concen: 30.344 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

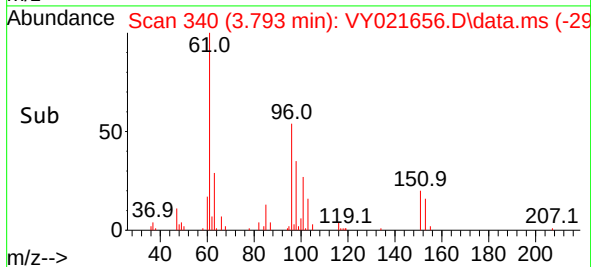
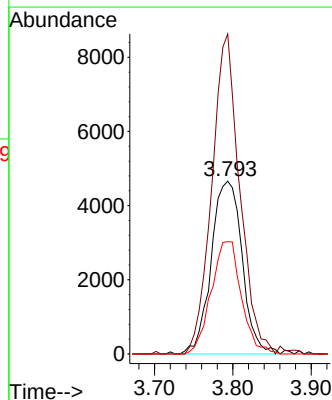
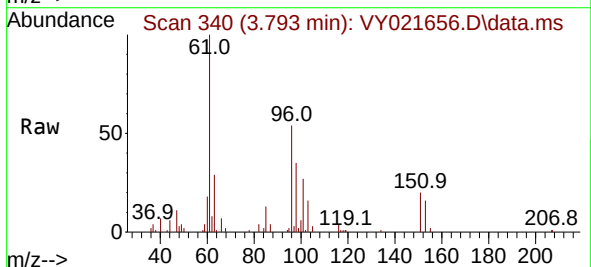
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

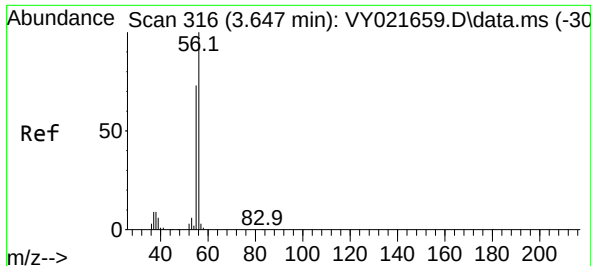
Tgt Ion: 59 Resp: 4636
Ion Ratio Lower Upper
59 100
57 5.7 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 5.611 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 12778
Ion Ratio Lower Upper
96 100
61 185.1 136.6 204.8
98 65.0 52.3 78.5

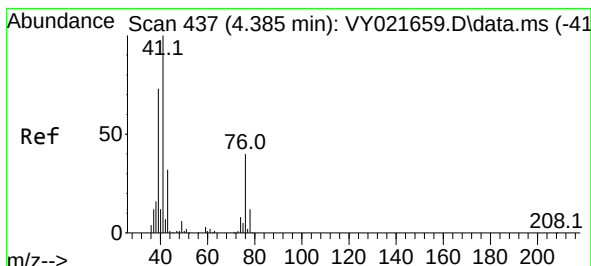
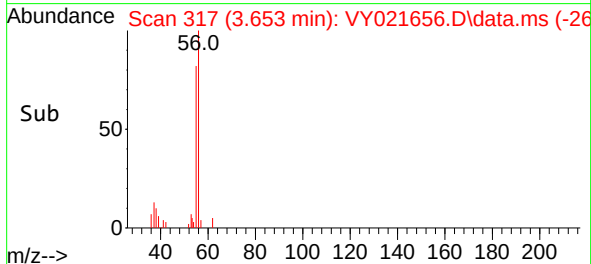
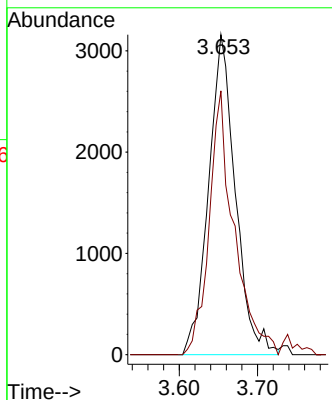
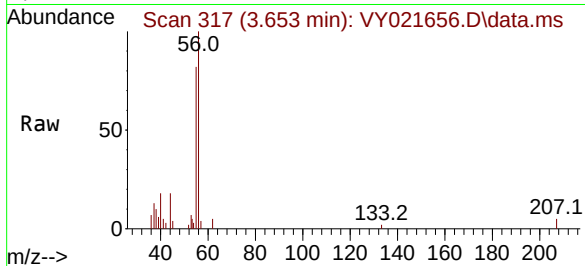




#13
Acrolein
Concen: 26.881 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

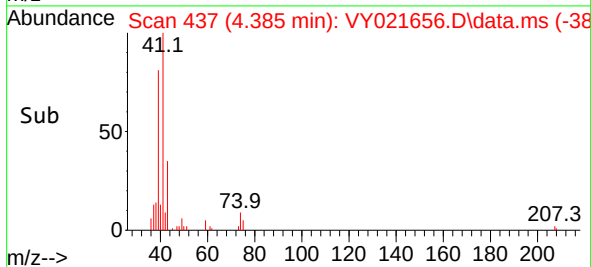
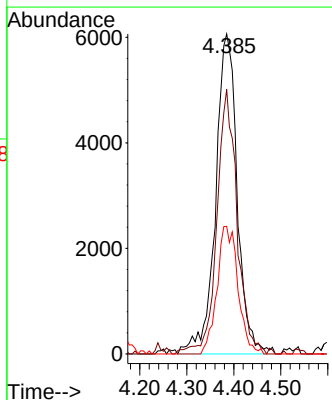
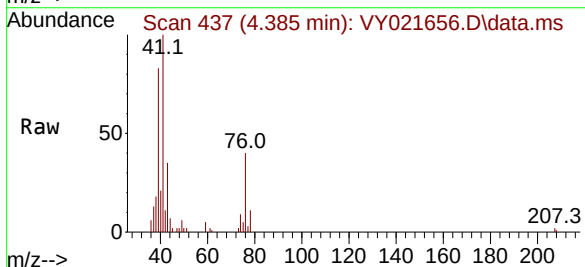
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

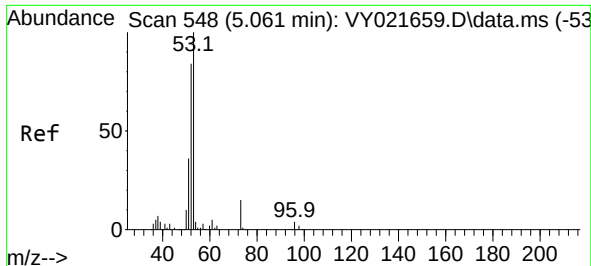
Tgt Ion: 56 Resp: 7499
Ion Ratio Lower Upper
56 100
55 76.7 56.6 85.0



#14
Allyl chloride
Concen: 5.362 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 19469
Ion Ratio Lower Upper
41 100
39 76.8 58.6 88.0
76 38.6 30.3 45.5

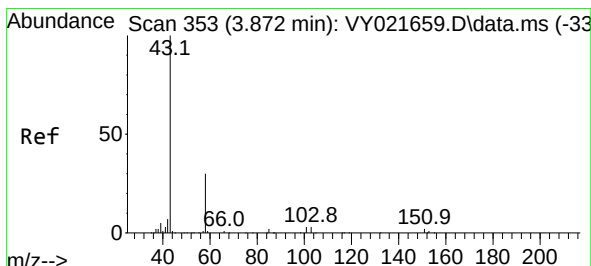
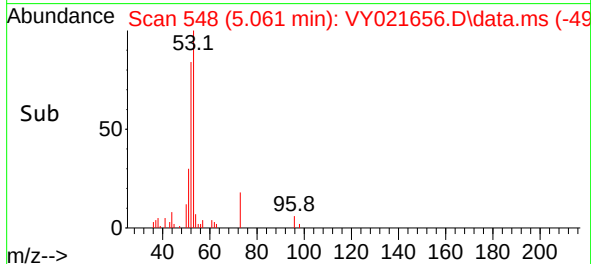
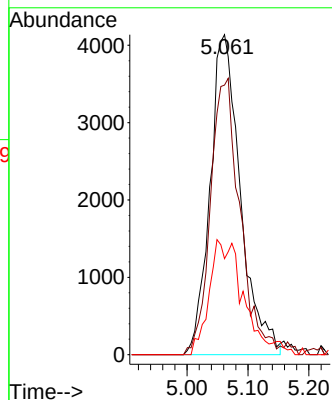
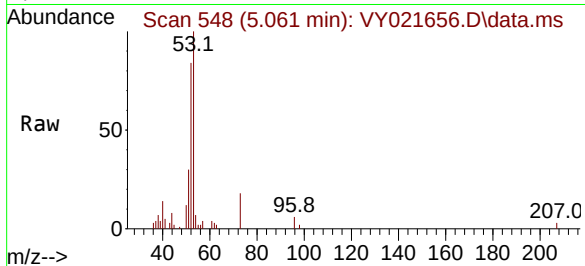




#15
Acrylonitrile
Concen: 27.546 ug/l
RT: 5.061 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

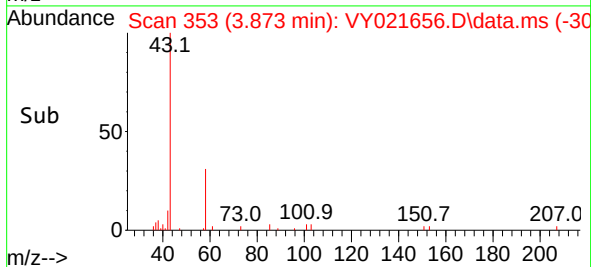
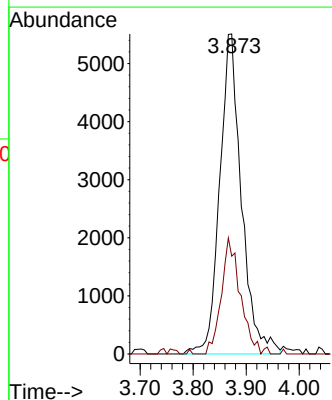
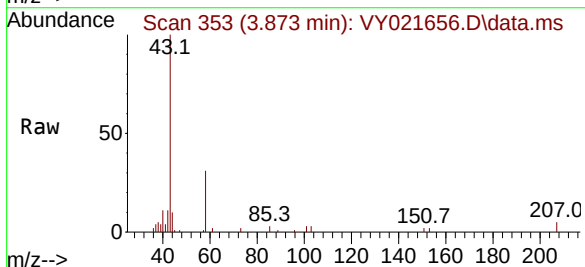
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

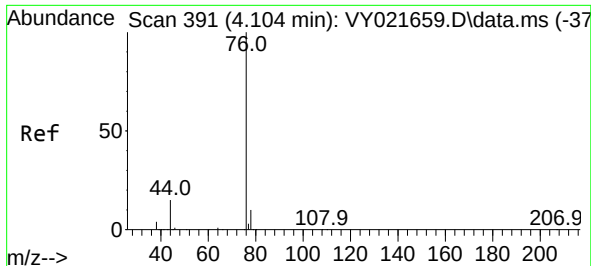
Tgt Ion: 53 Resp: 14337
Ion Ratio Lower Upper
53 100
52 84.3 64.9 97.3
51 18.9 30.2 45.2#



#16
Acetone
Concen: 32.687 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 15736
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.4

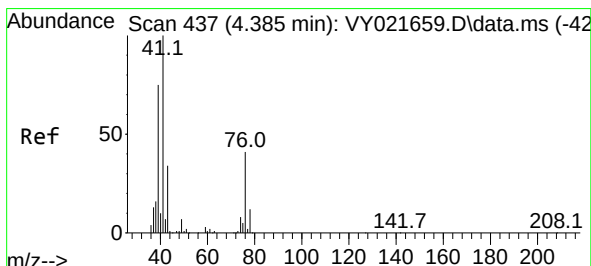
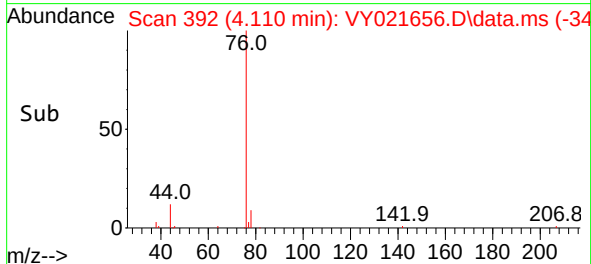
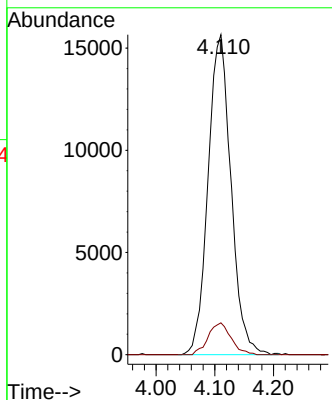
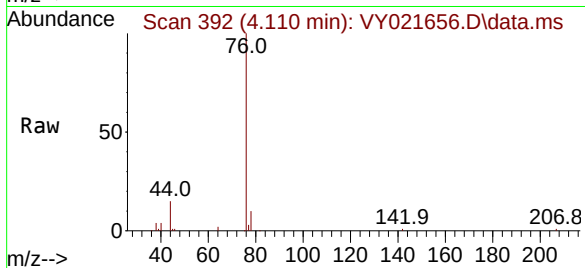




#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

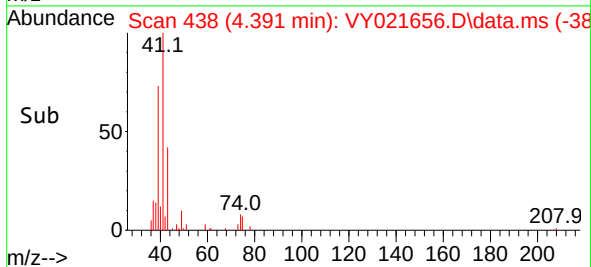
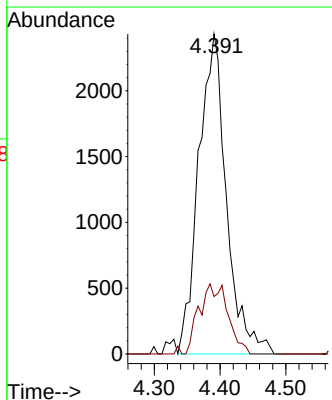
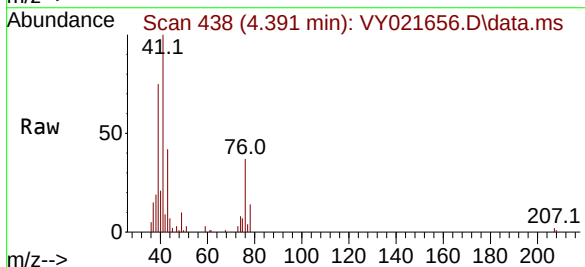
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

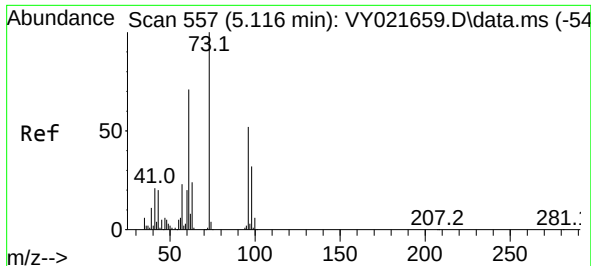
Tgt Ion: 76 Resp: 42467
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4



#18
Methyl Acetate
Concen: 5.985 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 7141
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 5.286 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

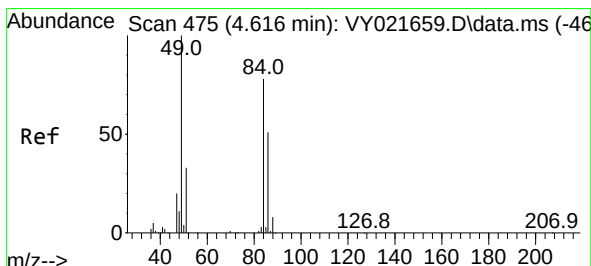
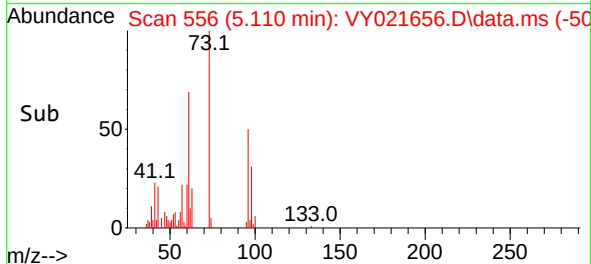
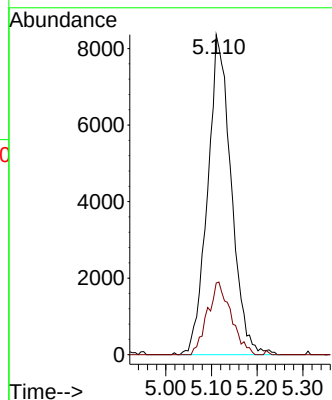
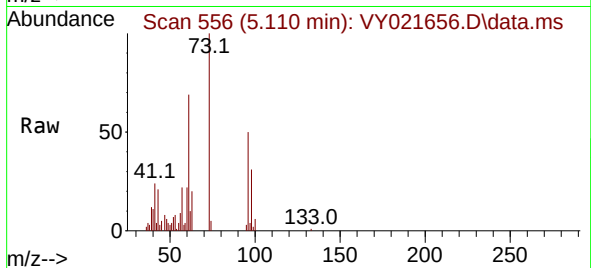
VSTDIC005

Tgt Ion: 73 Resp: 29969

Ion Ratio Lower Upper

73 100

57 22.4 18.1 27.1



#20

Methylene Chloride

Concen: 4.497 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Tgt Ion: 84 Resp: 18885

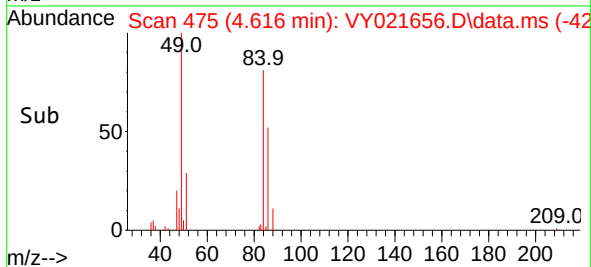
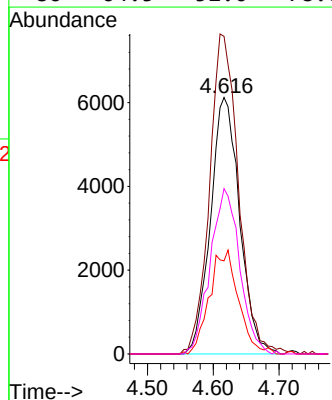
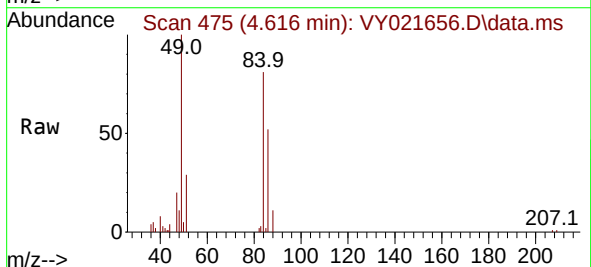
Ion Ratio Lower Upper

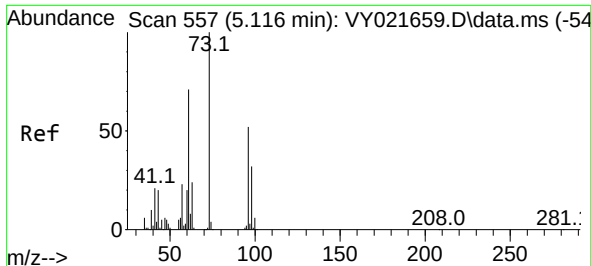
84 100

49 123.8 102.8 154.2

51 36.3 33.5 50.3

86 64.5 52.0 78.0

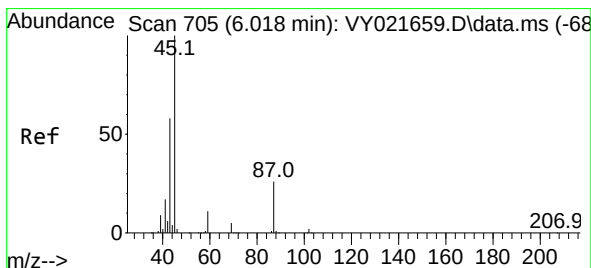
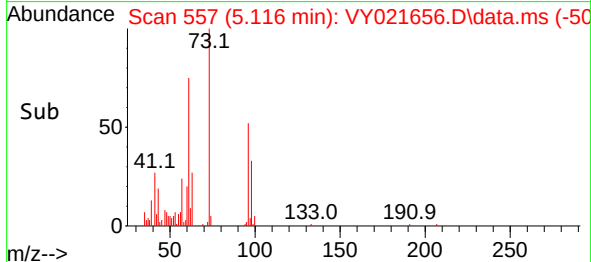
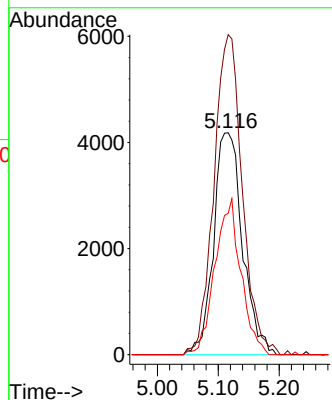
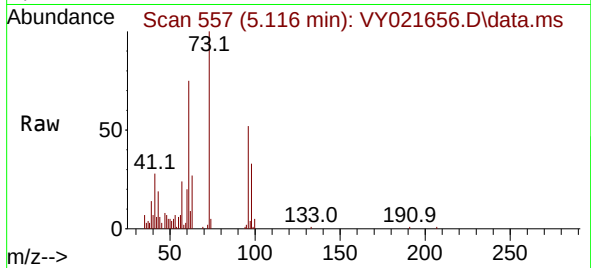




#21
trans-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

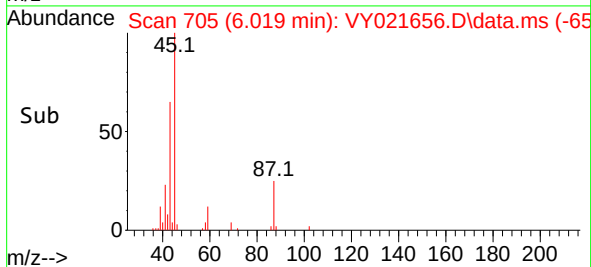
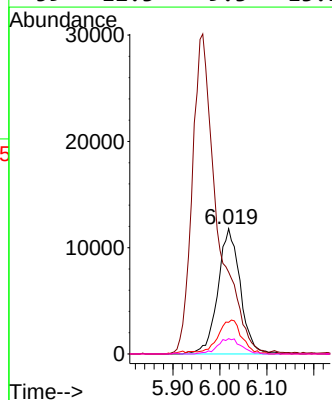
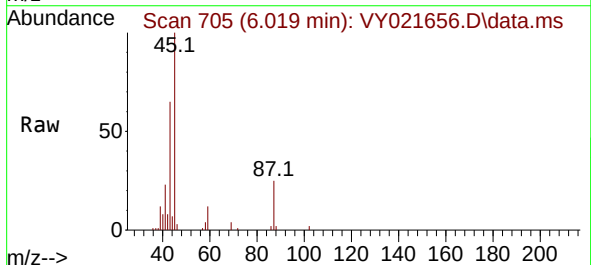
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

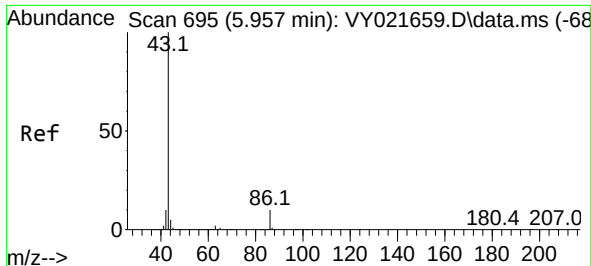
Tgt Ion: 96 Resp: 13763
Ion Ratio Lower Upper
96 100
61 144.2 109.4 164.0
98 63.7 50.2 75.2



#22
Diisopropyl ether
Concen: 5.118 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 45 Resp: 38980
Ion Ratio Lower Upper
45 100
43 64.0 46.6 69.8
87 25.2 20.7 31.1
59 12.3 9.3 13.9

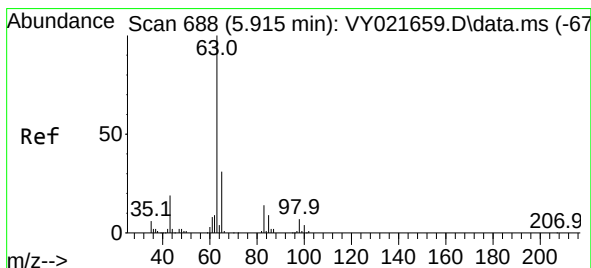
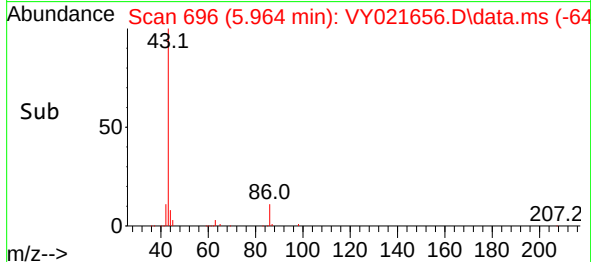
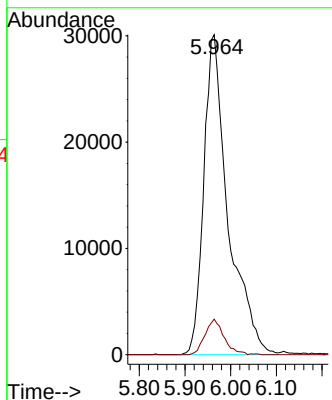
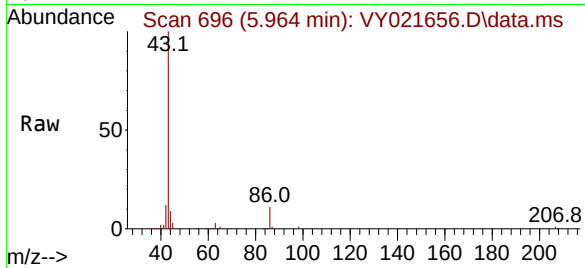




#23
 Vinyl Acetate
 Concen: 24.992 ug/l
 RT: 5.964 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

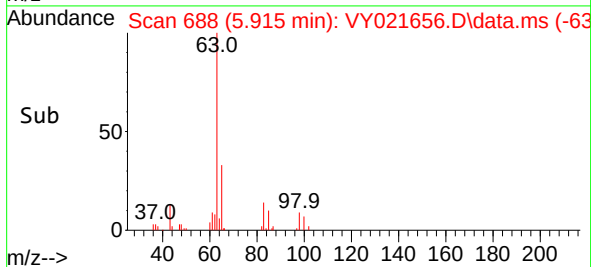
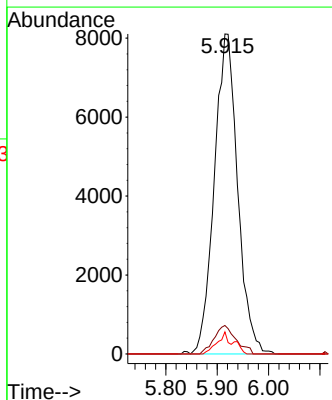
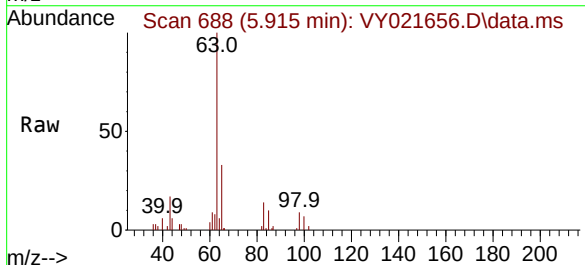
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

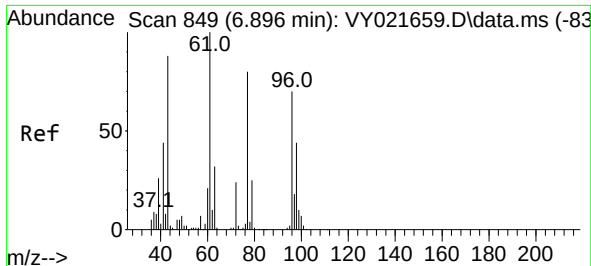
Tgt Ion: 43 Resp: 111357
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 5.616 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 25578
 Ion Ratio Lower Upper
 63 100
 98 8.9 3.5 10.5
 100 6.9 2.2 6.6#

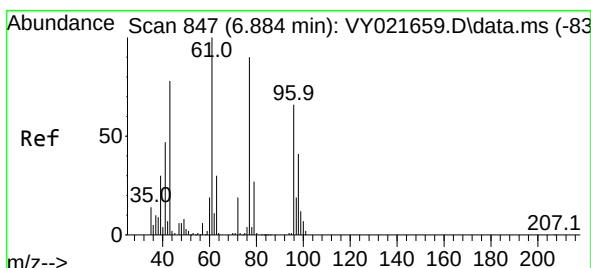
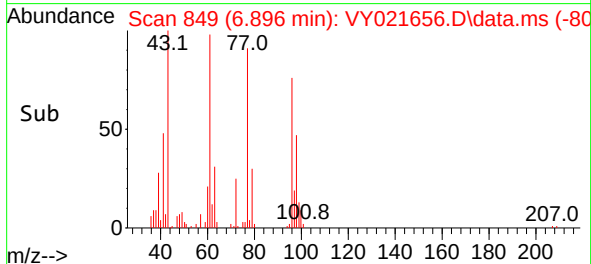
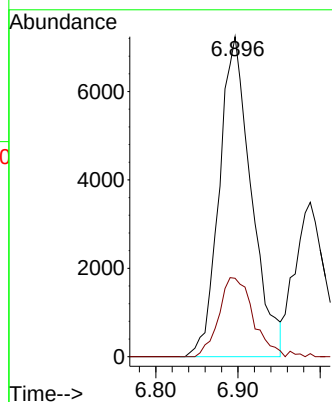
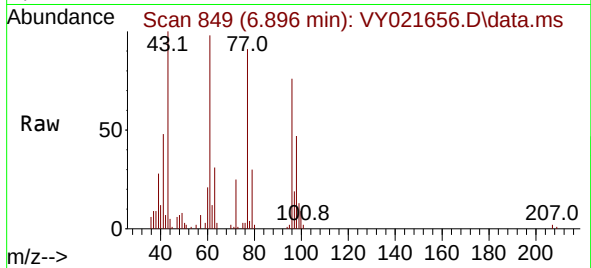




#25
2-Butanone
Concen: 28.598 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

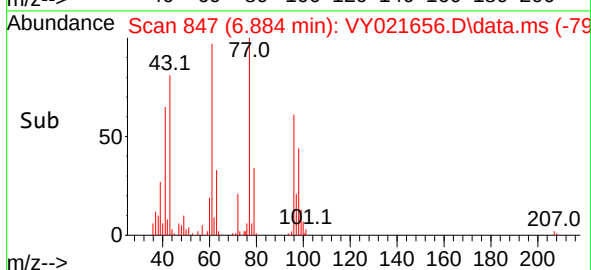
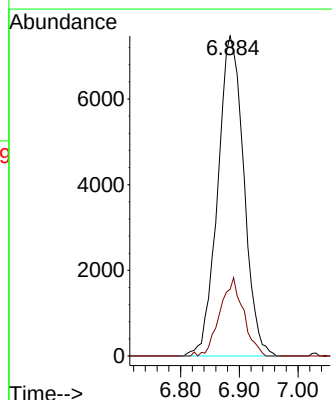
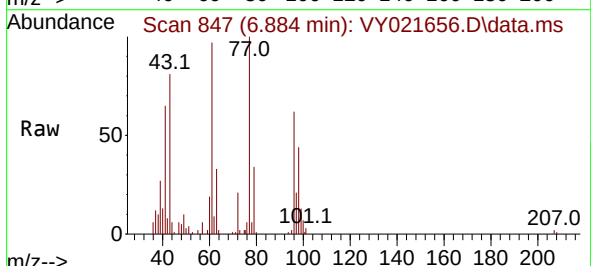
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

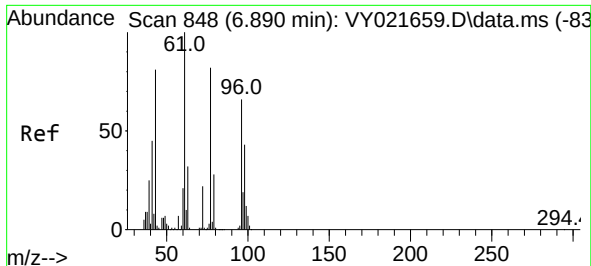
Tgt Ion: 43 Resp: 19664
Ion Ratio Lower Upper
43 100
72 24.5 21.4 32.2



#26
2,2-Dichloropropane
Concen: 5.695 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 77 Resp: 23073
Ion Ratio Lower Upper
77 100
97 21.9 11.1 33.1

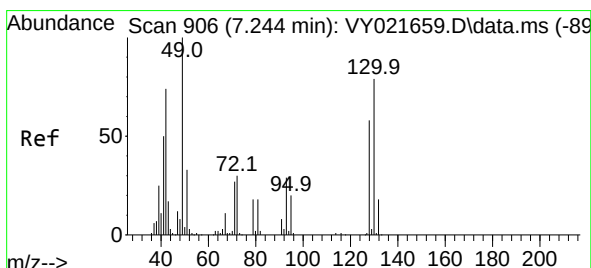
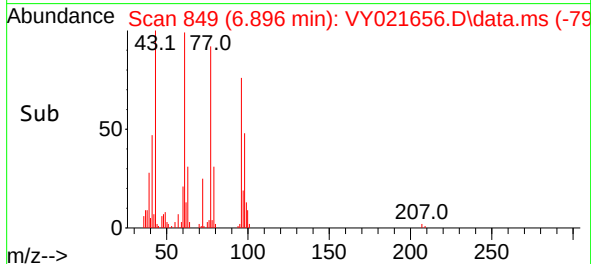
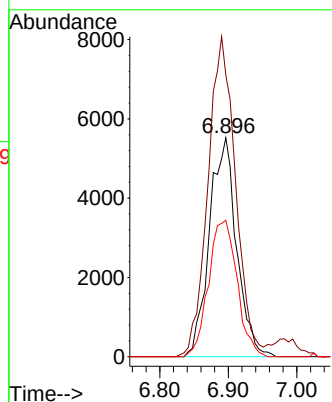
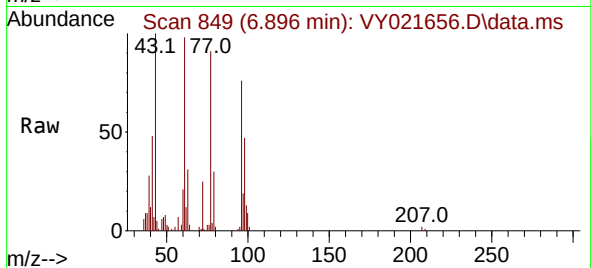




#27
cis-1,2-Dichloroethene
Concen: 5.390 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

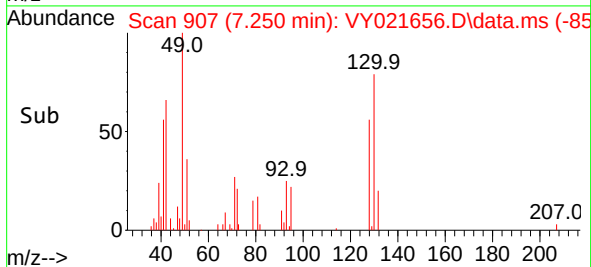
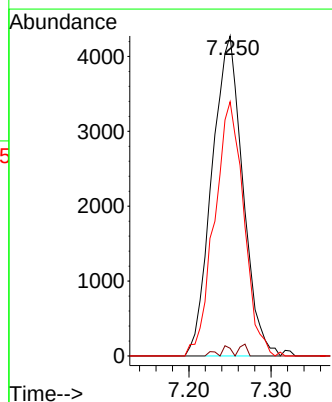
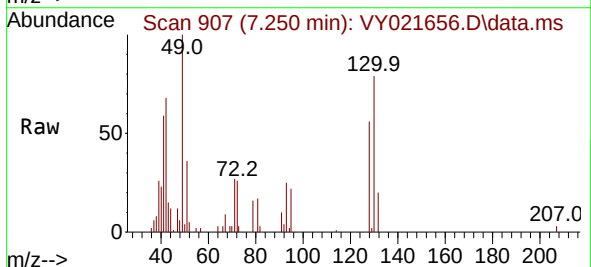
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

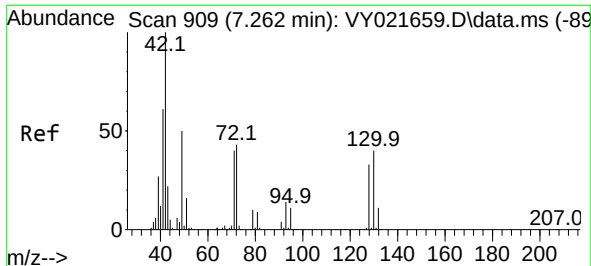
Tgt Ion: 96	Resp: 15197
Ion Ratio	Lower Upper
96	100
61	148.4 0.0 296.4
98	65.4 0.0 128.0



#28
Bromochloromethane
Concen: 5.799 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 49	Resp: 11139
Ion Ratio	Lower Upper
49	100
129	1.2 0.0 4.4
130	75.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 26.430 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

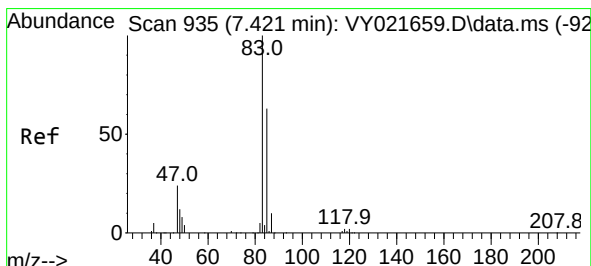
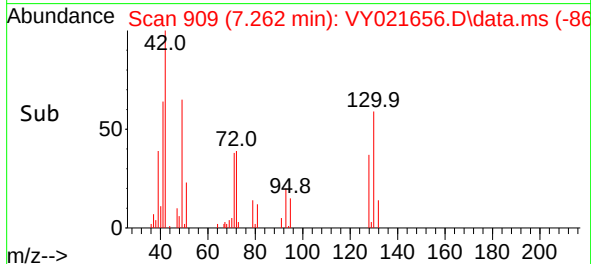
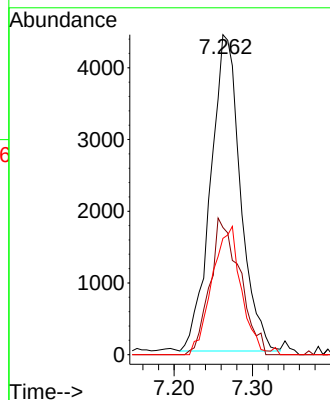
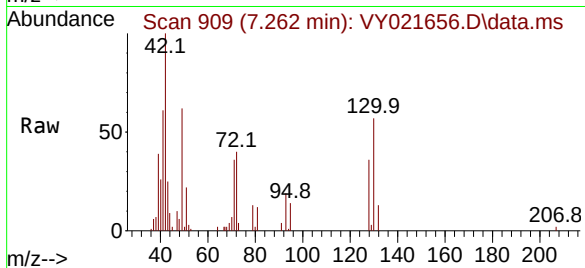
Tgt Ion: 42 Resp: 11696

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

71 39.9 32.5 48.7



#30

Chloroform

Concen: 5.662 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021656.D

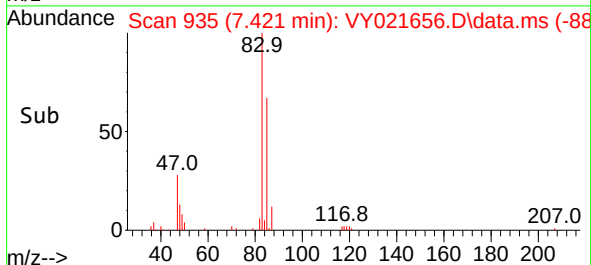
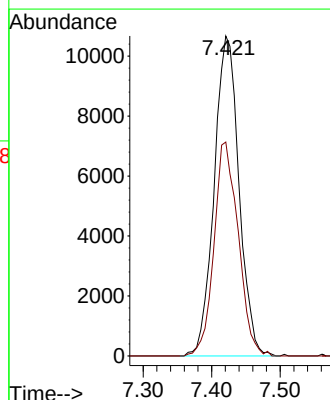
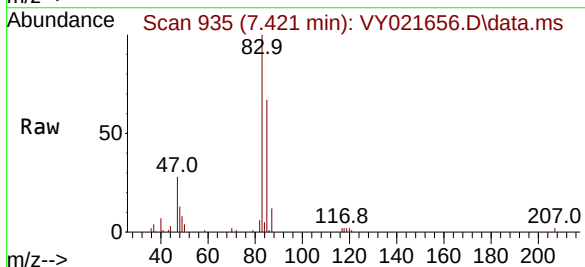
Acq: 27 Mar 2025 10:08

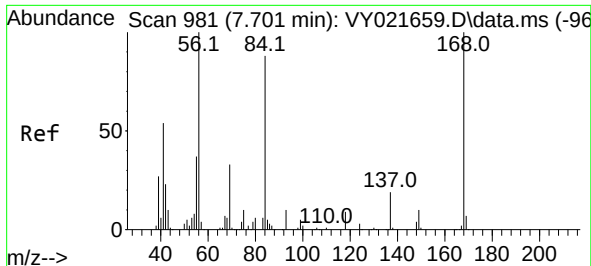
Tgt Ion: 83 Resp: 26819

Ion Ratio Lower Upper

83 100

85 66.9 50.6 75.8

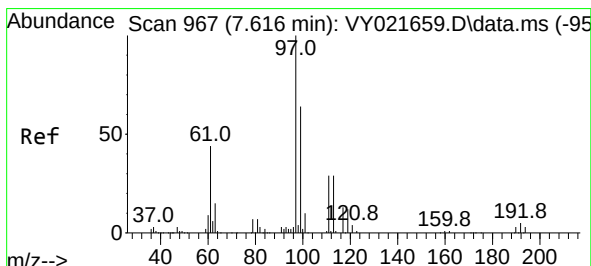
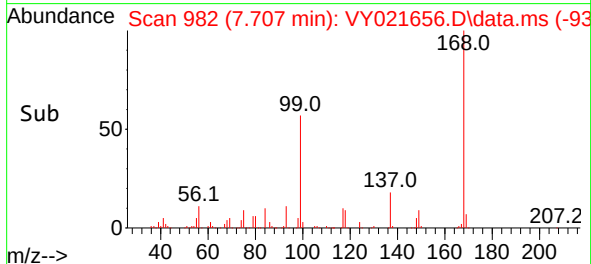
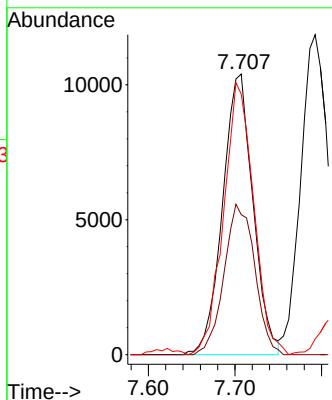
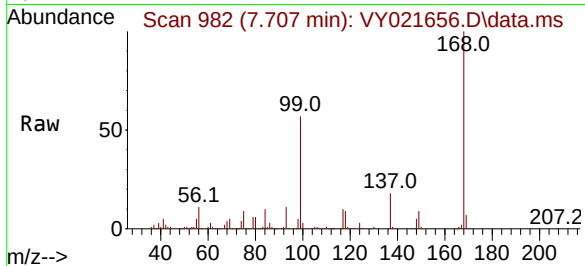




#31
Cyclohexane
Concen: 6.117 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

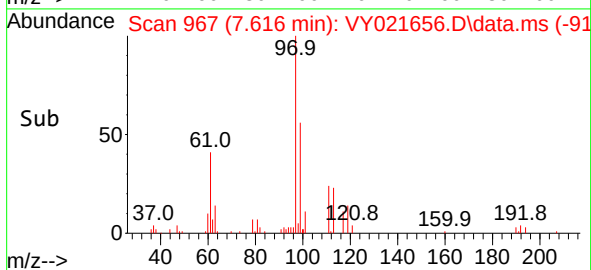
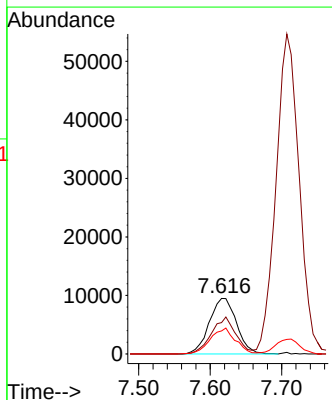
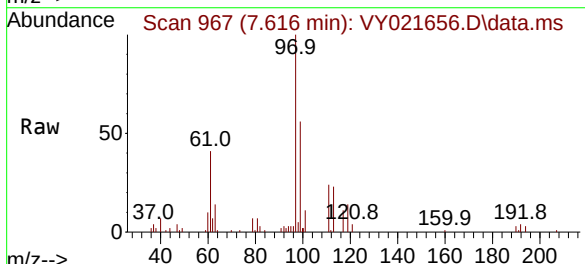
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

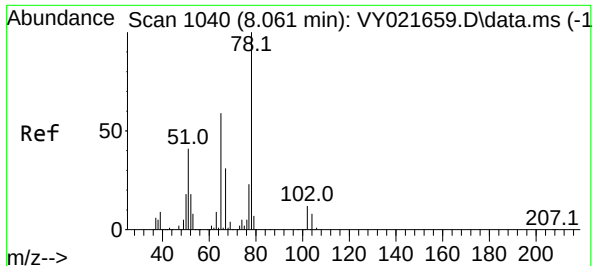
Tgt Ion: 56 Resp: 25394
Ion Ratio Lower Upper
56 100
69 49.9 26.6 40.0#
84 91.4 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 5.856 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 25069
Ion Ratio Lower Upper
97 100
99 59.7 50.7 76.1
61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 5.650 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

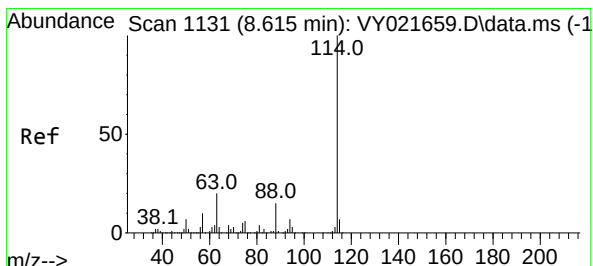
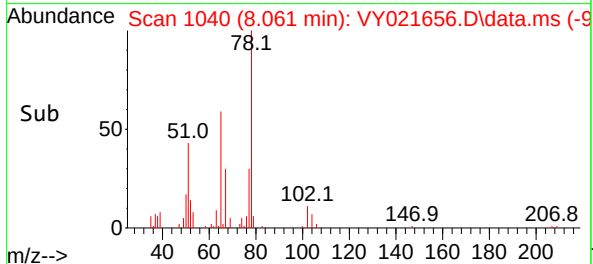
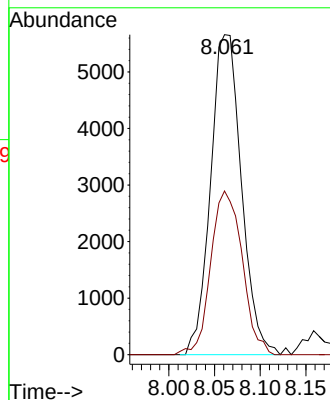
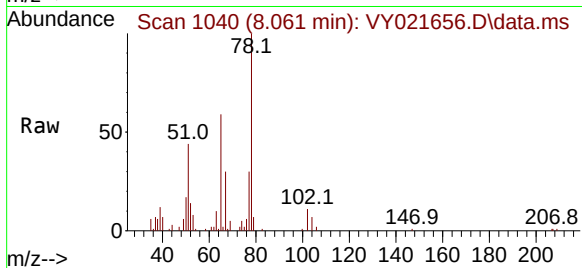
VSTDIC005

Tgt Ion: 65 Resp: 13289

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

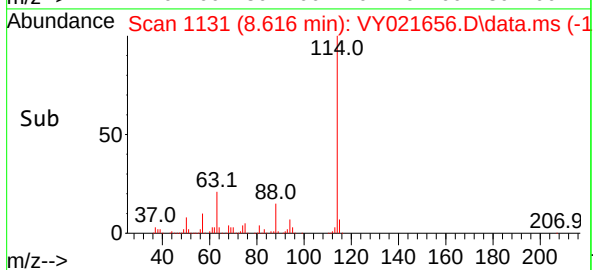
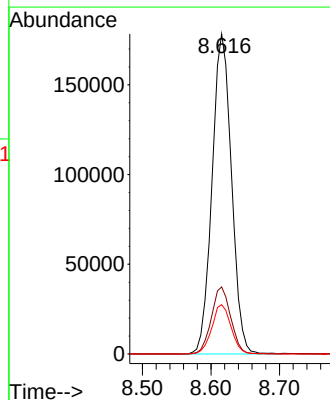
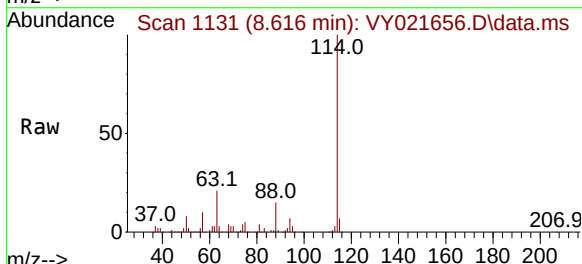
Tgt Ion: 114 Resp: 350486

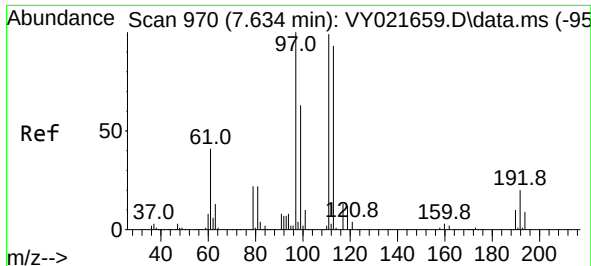
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.4 0.0 29.8

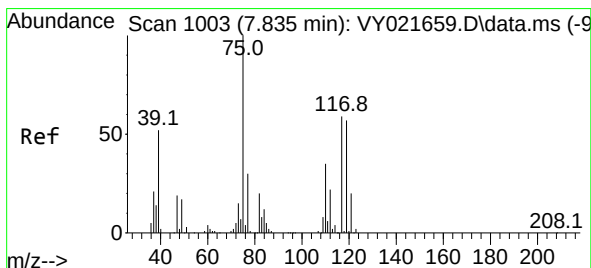
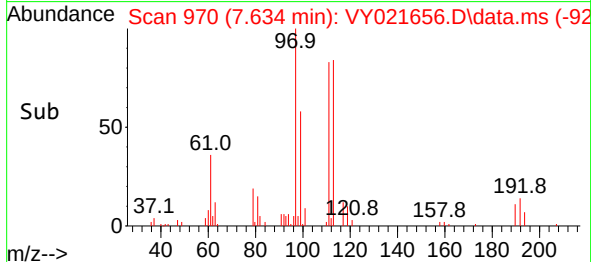
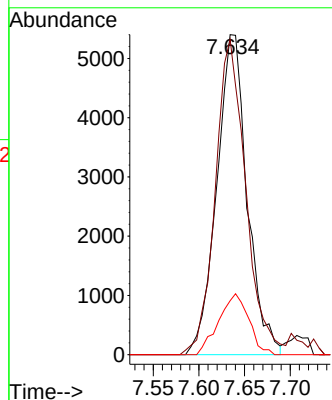
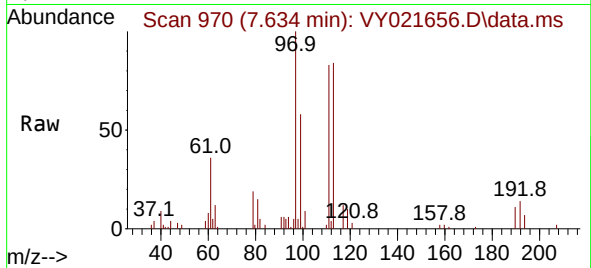




#35
 Dibromofluoromethane
 Concen: 5.506 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

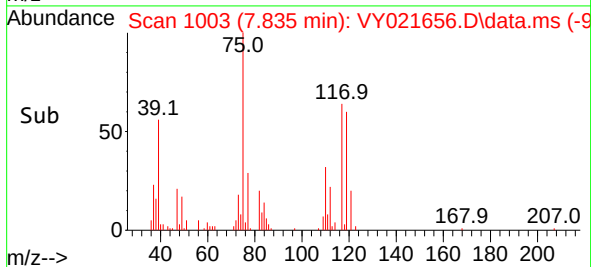
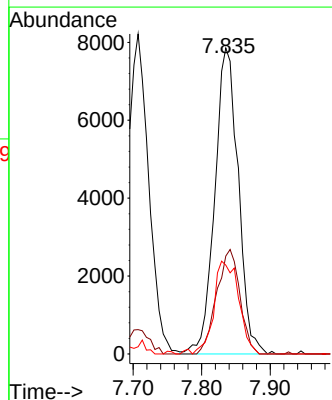
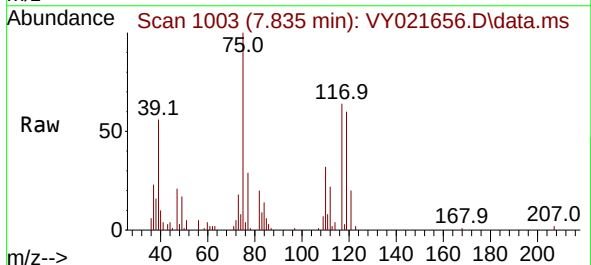
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

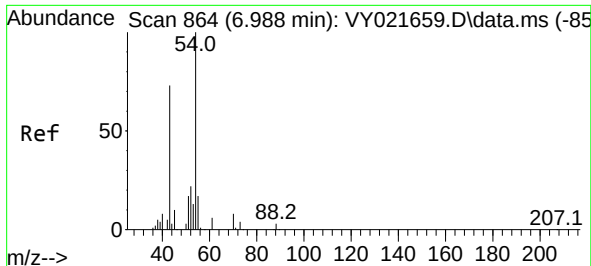
Tgt Ion:113 Resp: 12519
 Ion Ratio Lower Upper
 113 100
 111 98.5 82.6 123.8
 192 18.8 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 5.388 ug/l
 RT: 7.835 min Scan# 1003
 Delta R.T. 0.000 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 18659
 Ion Ratio Lower Upper
 75 100
 110 33.8 17.0 50.9
 77 32.1 24.8 37.2

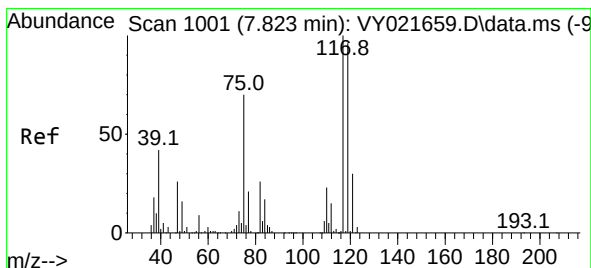
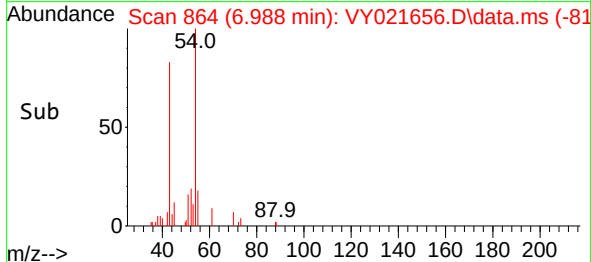
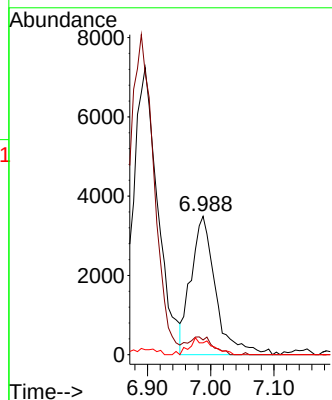
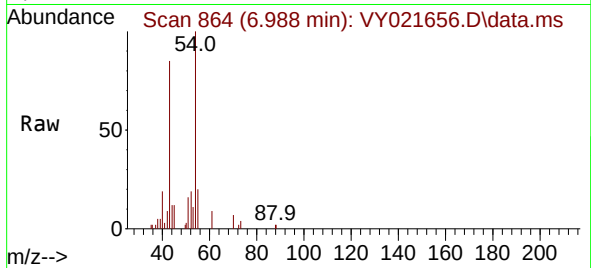




#37
Ethyl Acetate
Concen: 5.788 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

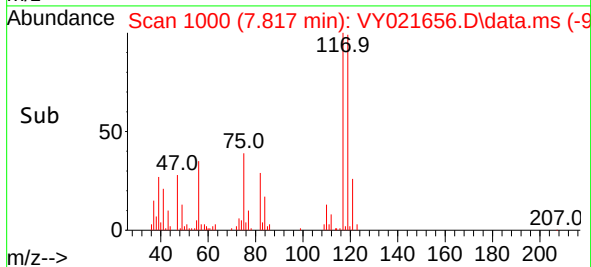
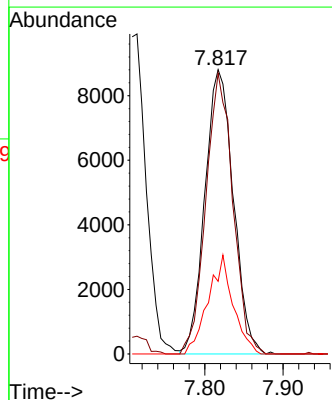
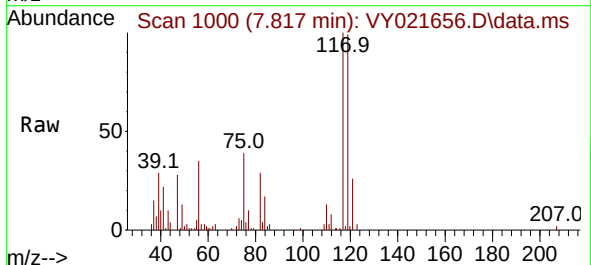
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

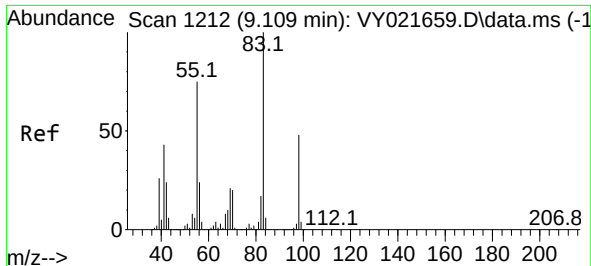
Tgt Ion:	43	Resp:	9459
Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6#
70	10.8	8.1	12.1



#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:	117	Resp:	22310
Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	25.6	24.2	36.4

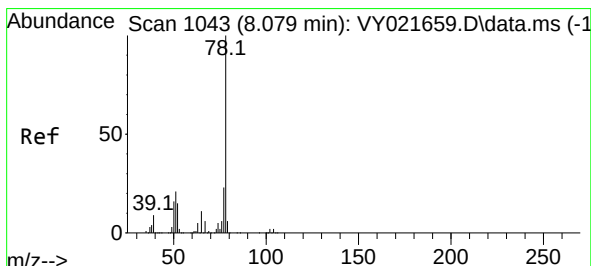
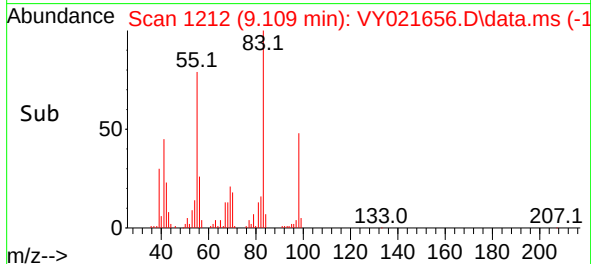
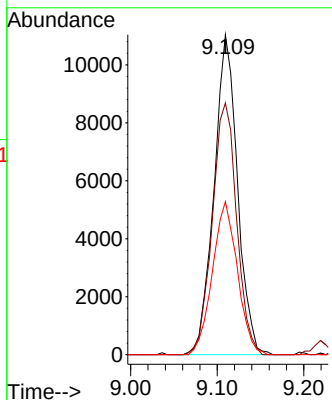
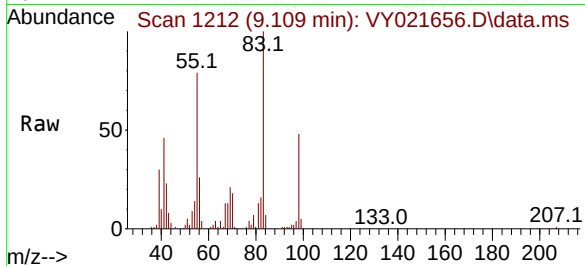




#39
Methylcyclohexane
Concen: 5.023 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

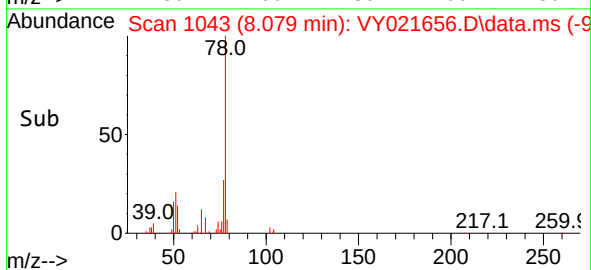
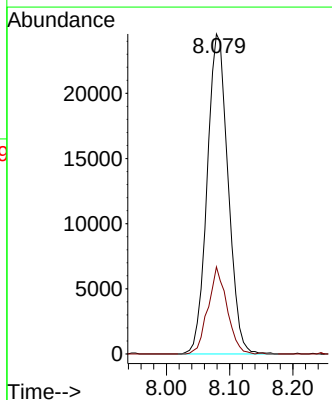
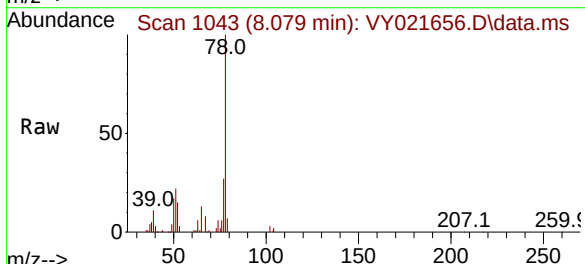
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

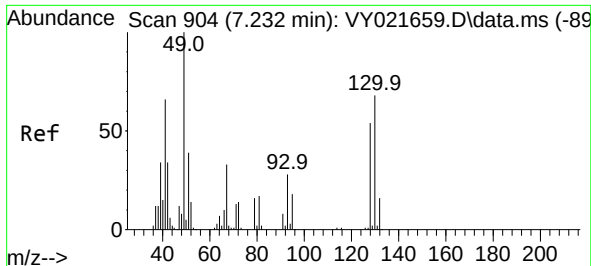
Tgt Ion:	83	Resp:	20781
Ion	Ratio	Lower	Upper
83	100		
55	78.6	59.7	89.5
98	47.9	38.3	57.5



#40
Benzene
Concen: 5.427 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:	78	Resp:	56287
Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.8	28.2

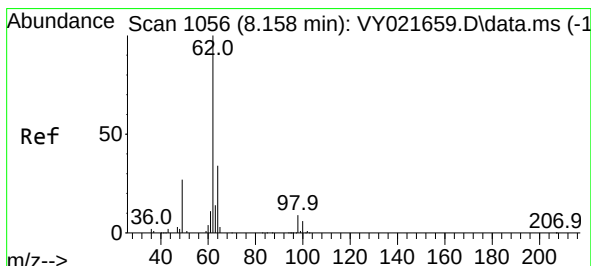
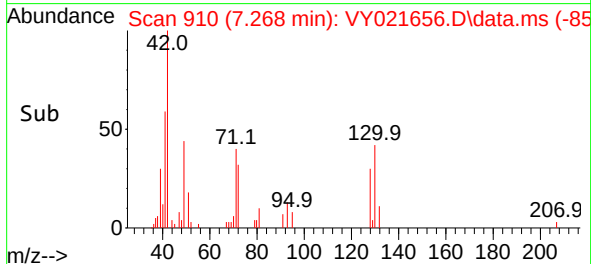
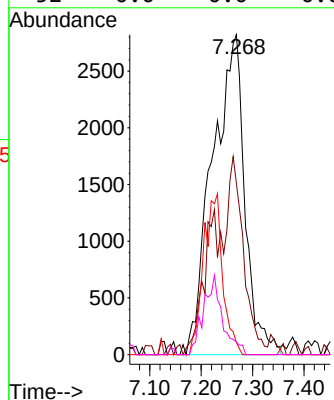
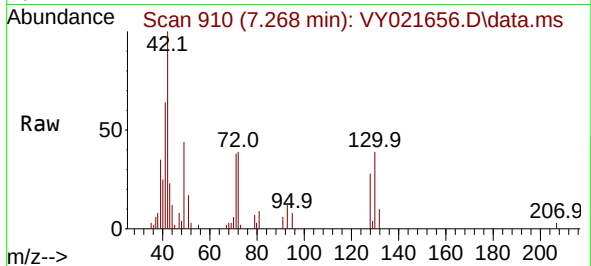




#41
Methacrylonitrile
Concen: 14.252 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.037 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

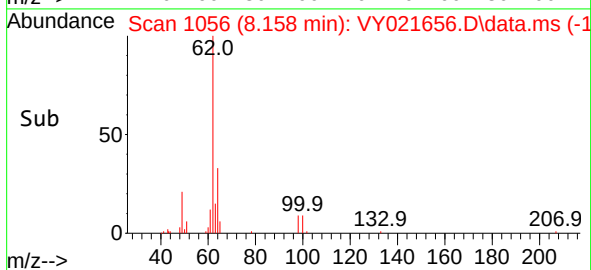
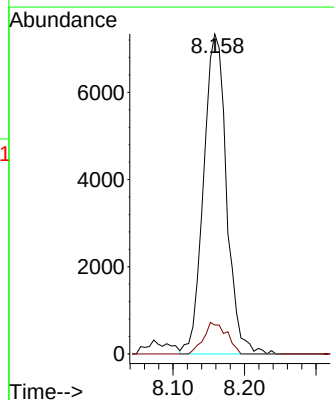
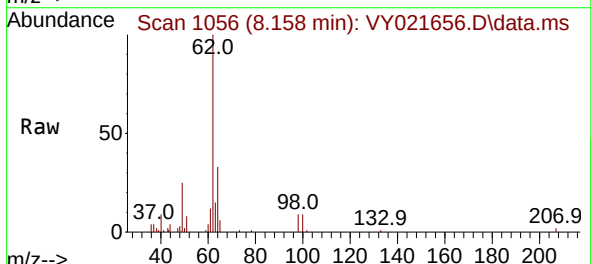
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

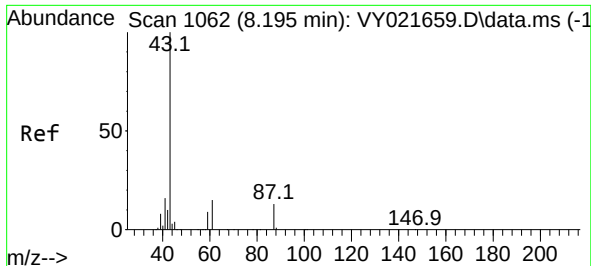
Tgt Ion: 41 Resp: 12369
Ion Ratio Lower Upper
41 100
39 29.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 16381
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.4

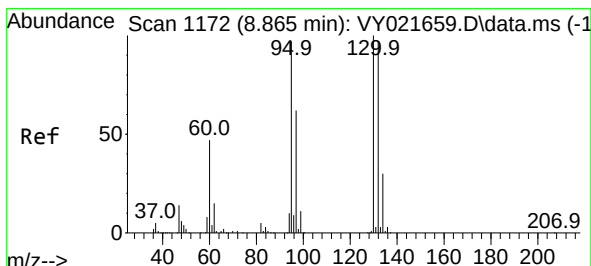
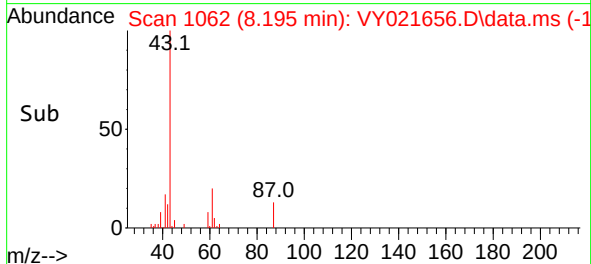
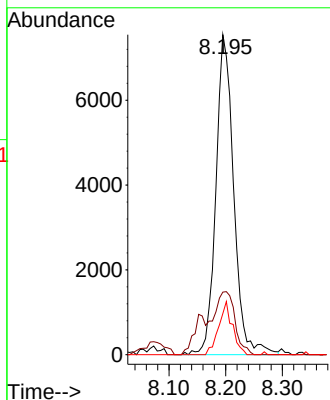
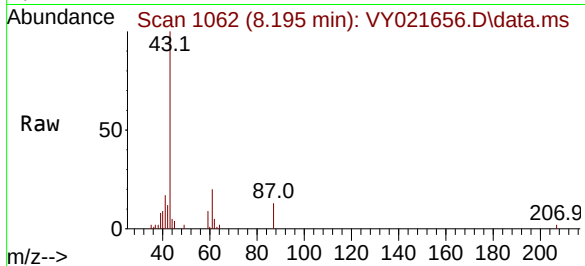




#43
Isopropyl Acetate
Concen: 5.329 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

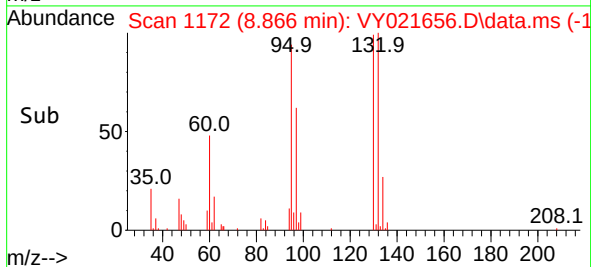
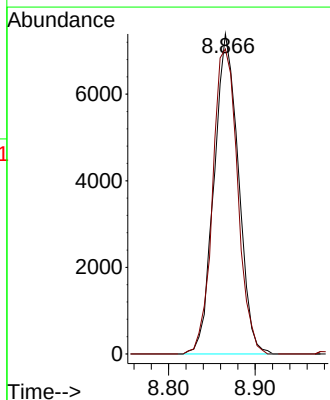
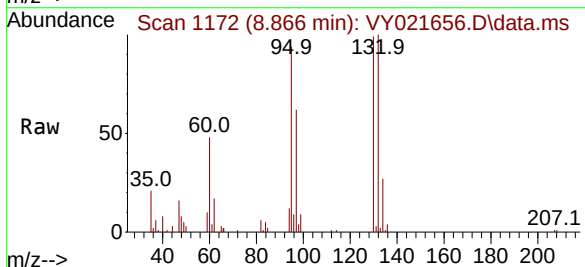
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

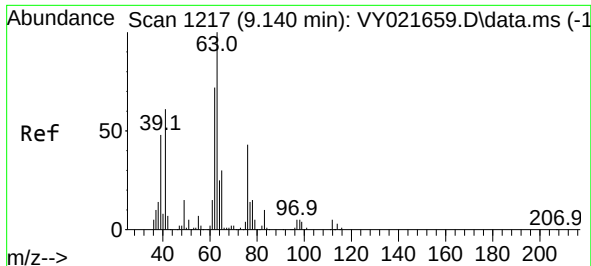
Tgt Ion: 43	Resp: 16504
Ion Ratio	Lower Upper
43 100	
61 21.8	15.9 23.9
87 12.8	10.4 15.6



#44
Trichloroethene
Concen: 5.470 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:130	Resp:	14453	
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8





#45

1,2-Dichloropropane

Concen: 5.470 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

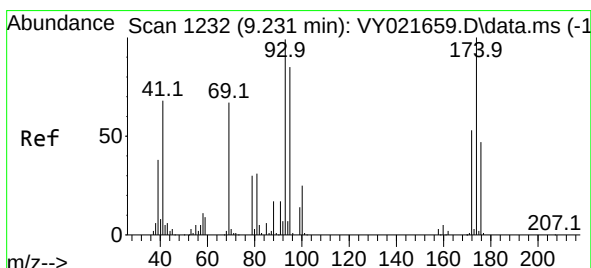
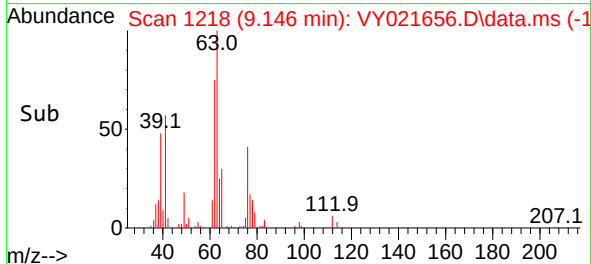
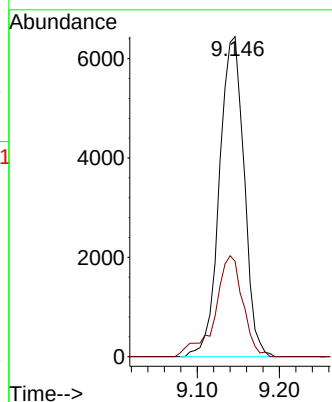
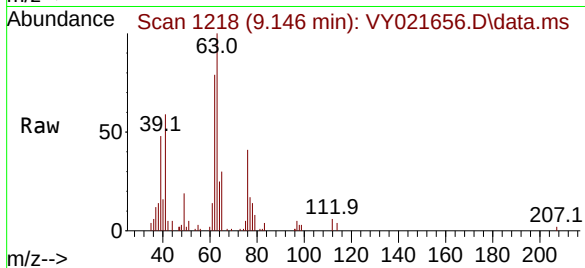
VSTDIC005

Tgt Ion: 63 Resp: 13429

Ion Ratio Lower Upper

63 100

65 29.8 24.4 36.6



#46

Dibromomethane

Concen: 5.571 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

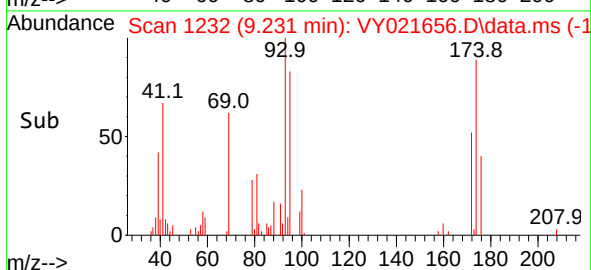
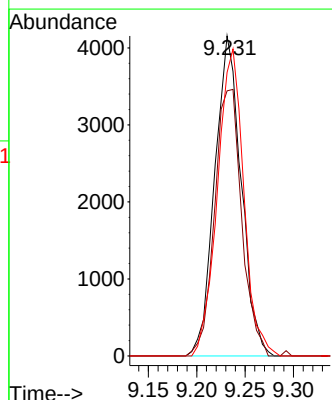
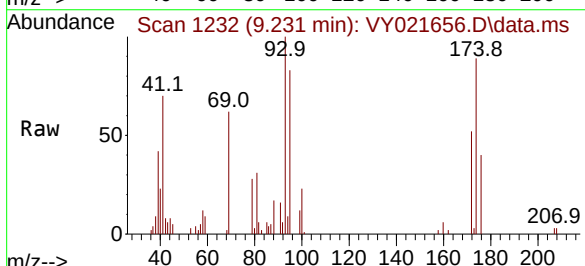
Tgt Ion: 93 Resp: 7882

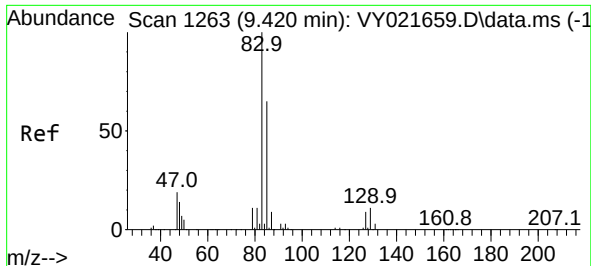
Ion Ratio Lower Upper

93 100

95 85.8 68.1 102.1

174 95.8 80.9 121.3

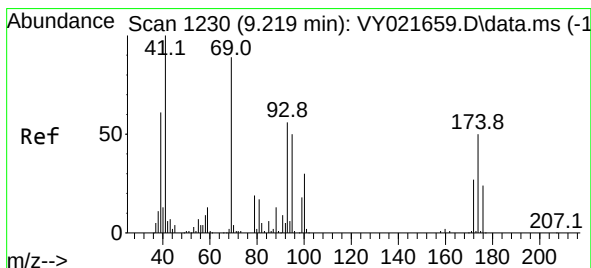
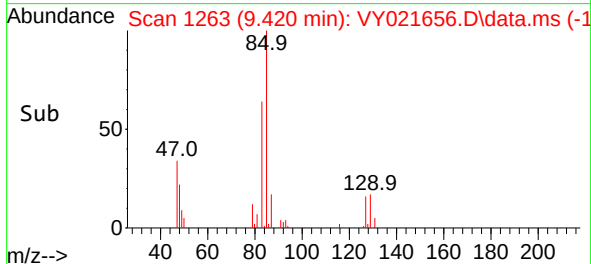
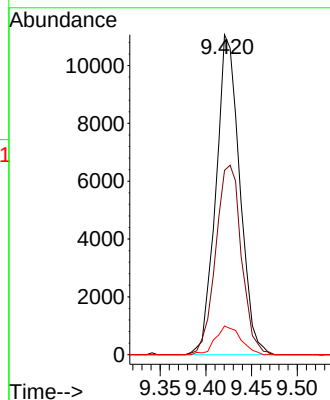
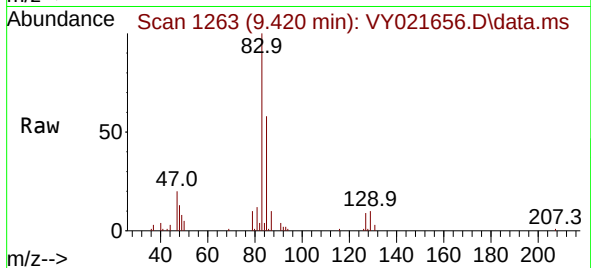




#47
Bromodichloromethane
Concen: 5.458 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

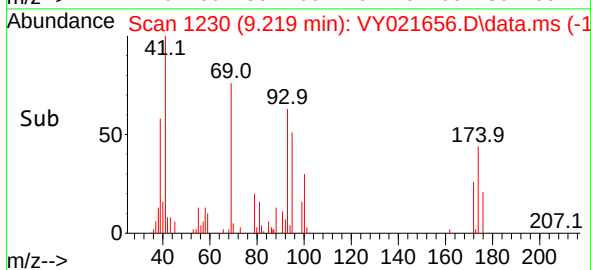
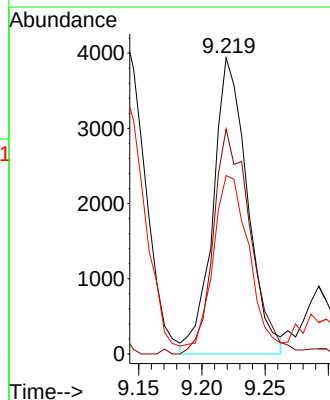
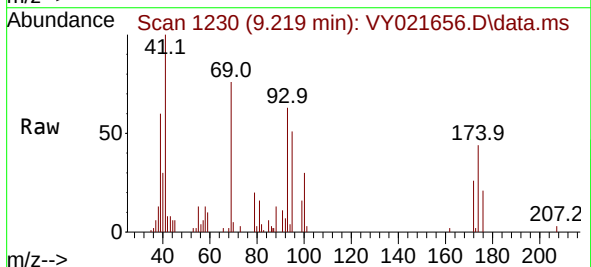
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

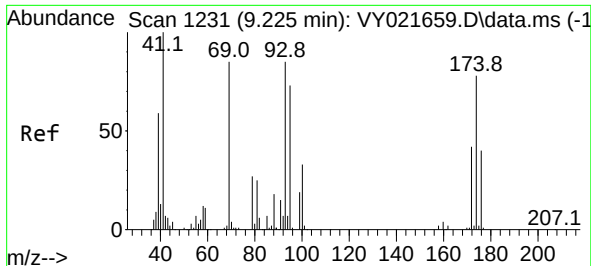
Tgt Ion:	83	Resp:	20008
Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.8	77.6
127	9.0	6.8	10.2



#48
Methyl methacrylate
Concen: 5.225 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:	41	Resp:	7427
Ion	Ratio	Lower	Upper
41	100		
69	81.4	69.8	104.8
39	59.4	47.2	70.8





#49

1,4-Dioxane

Concen: 103.789 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

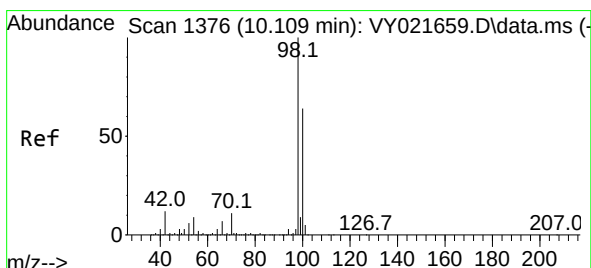
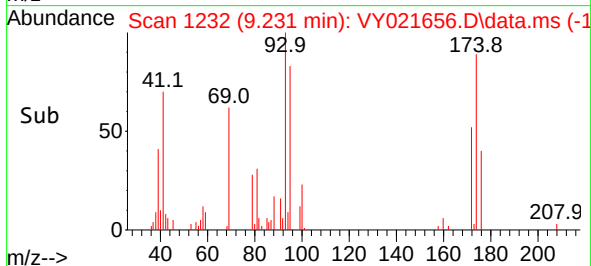
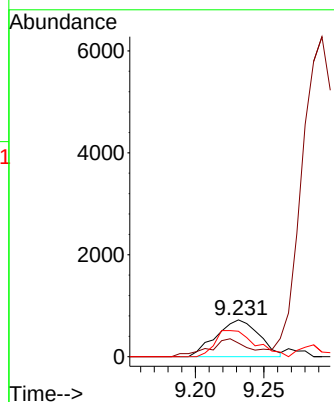
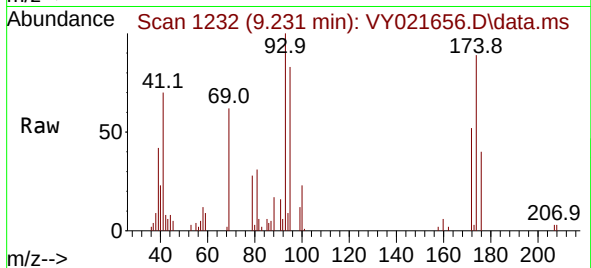
Tgt Ion: 88 Resp: 1573

Ion Ratio Lower Upper

88 100

43 40.8 28.8 43.2

58 66.1 59.4 89.2



#50

Toluene-d8

Concen: 5.177 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021656.D

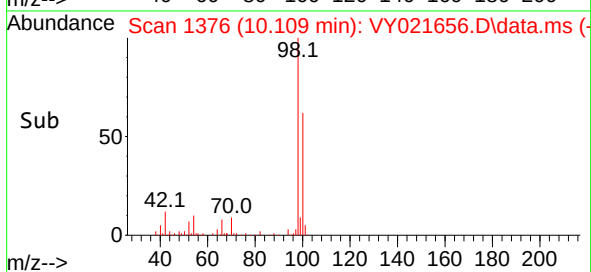
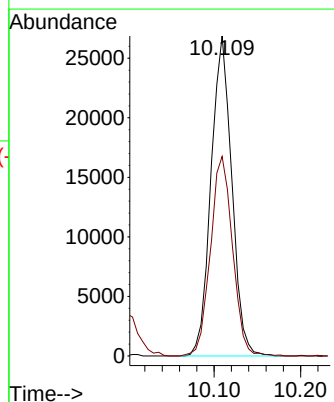
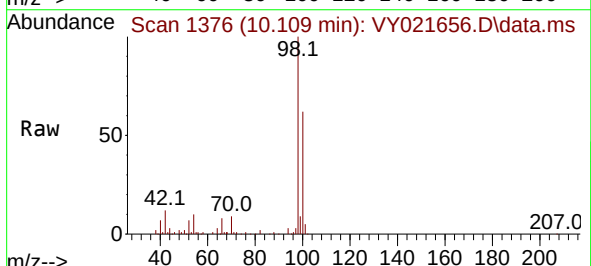
Acq: 27 Mar 2025 10:08

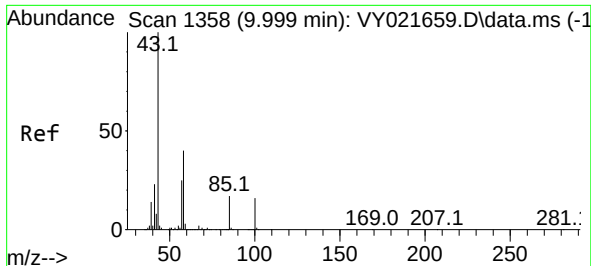
Tgt Ion: 98 Resp: 44774

Ion Ratio Lower Upper

98 100

100 66.2 52.1 78.1

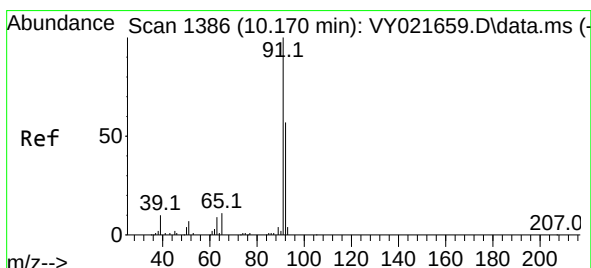
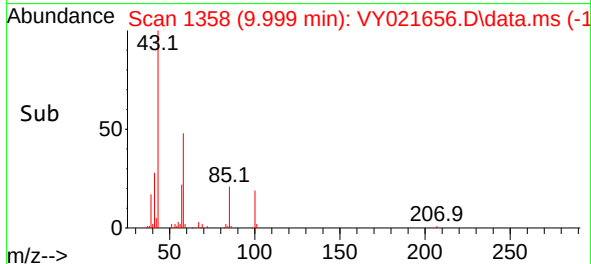
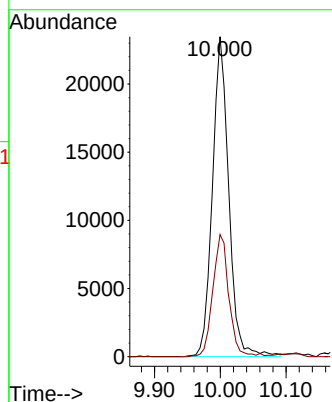
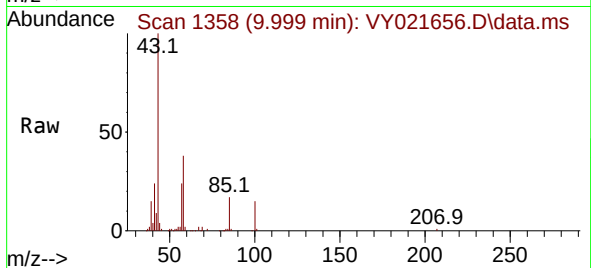




#51
4-Methyl-2-Pentanone
Concen: 25.191 ug/l
RT: 9.999 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

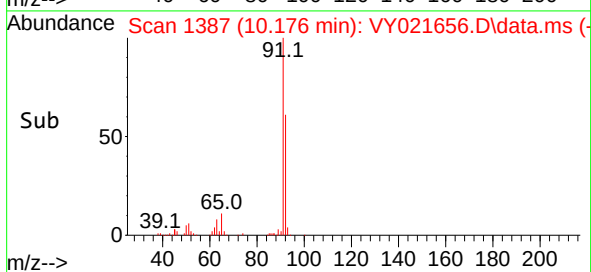
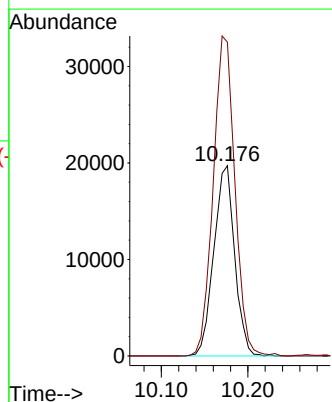
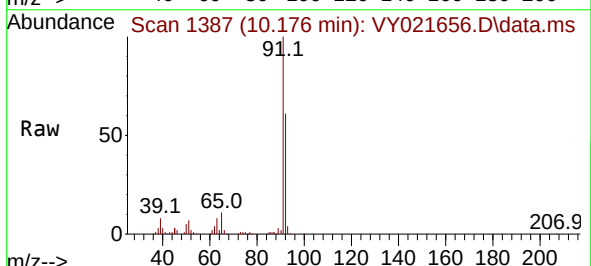
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

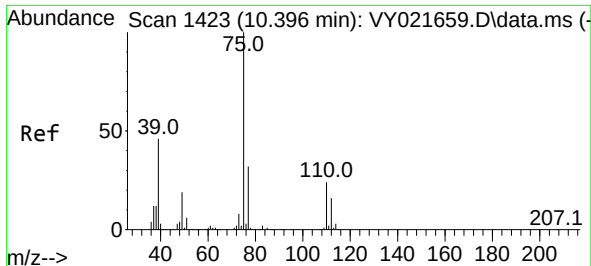
Tgt Ion: 43 Resp: 40601
Ion Ratio Lower Upper
43 100
58 37.6 31.5 47.3



#52
Toluene
Concen: 5.093 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 92 Resp: 32954
Ion Ratio Lower Upper
92 100
91 175.0 138.6 207.8

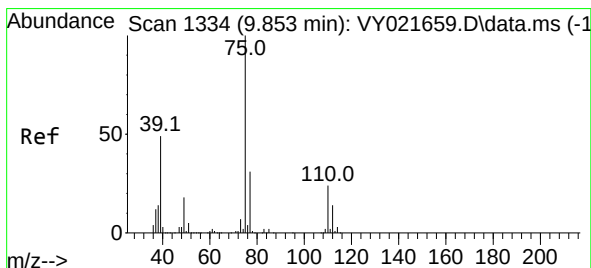
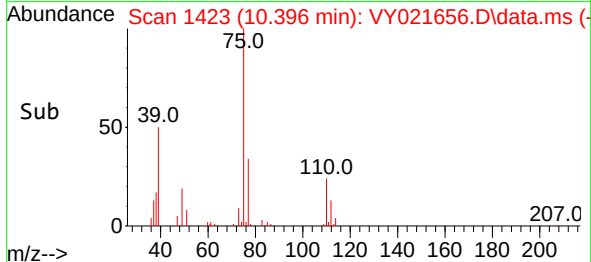
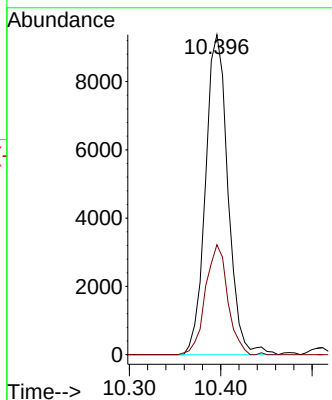
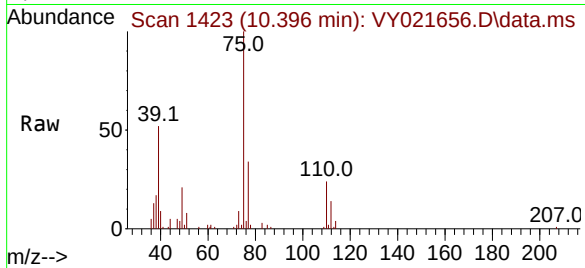




#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

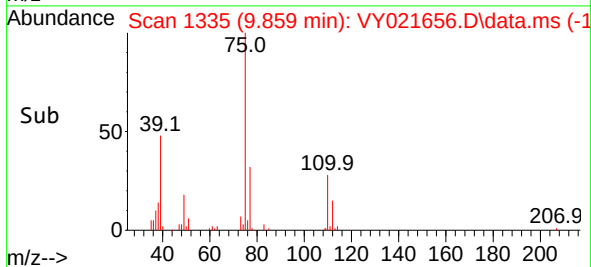
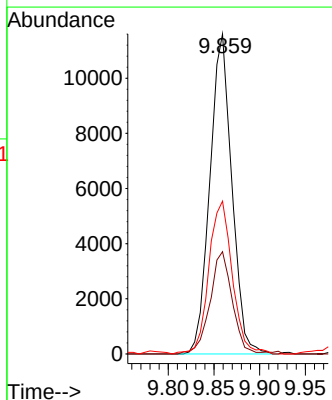
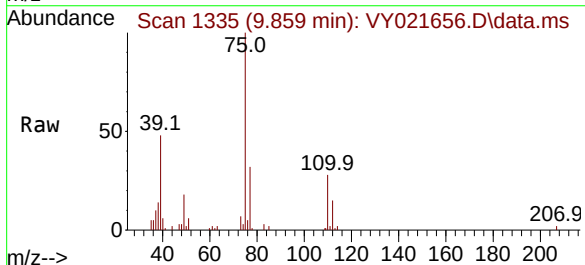
Instrument : MSVOA_Y
ClientSampleId : VSTDIC005

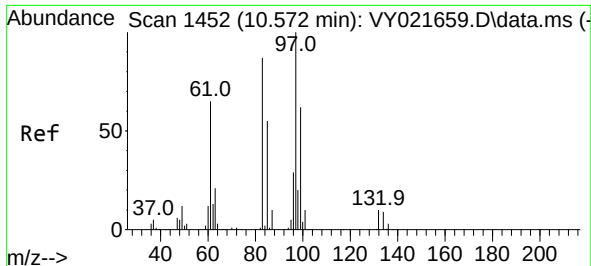
Tgt Ion: 75 Resp: 15986
Ion Ratio Lower Upper
75 100
77 34.4 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 5.049 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 19395
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 47.7 39.2 58.8

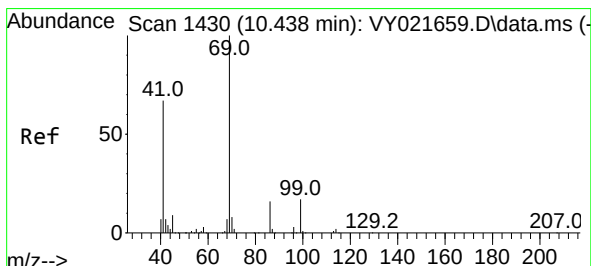
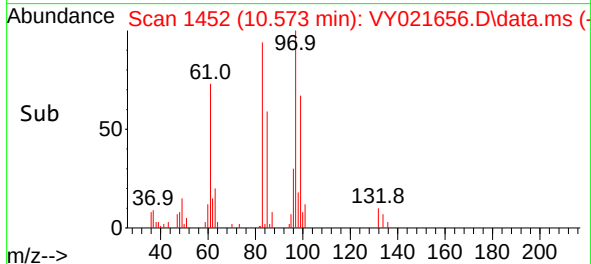
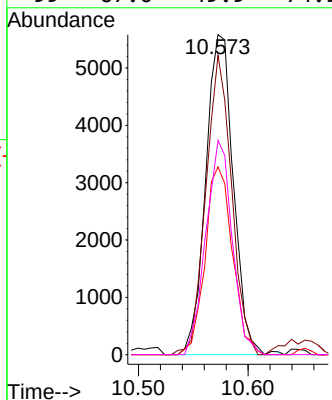
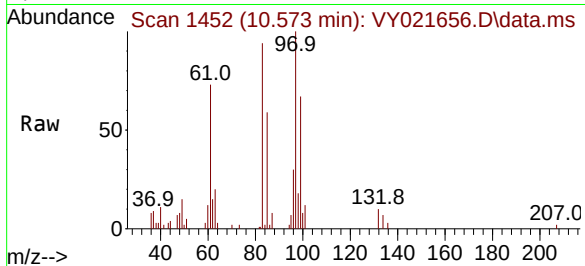




#55
1,1,2-Trichloroethane
Concen: 5.384 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

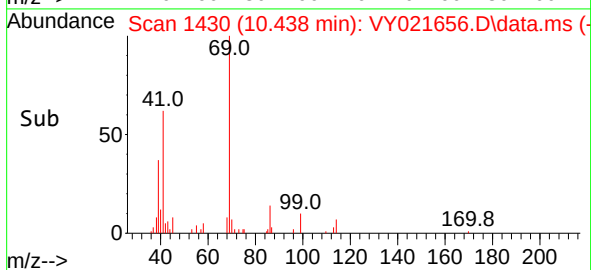
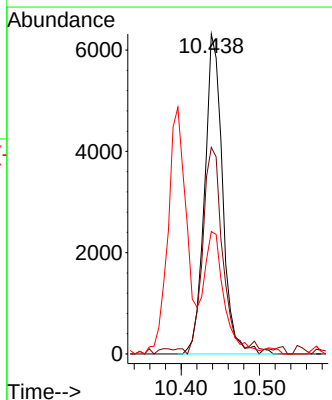
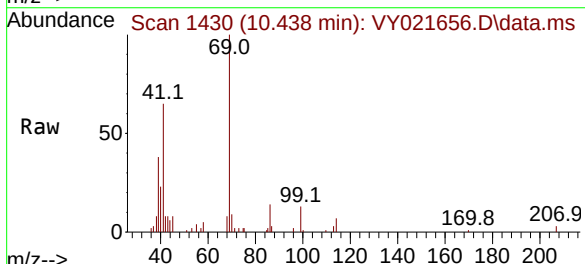
Instrument : MSVOA_Y
ClientSampleId : VSTDIC005

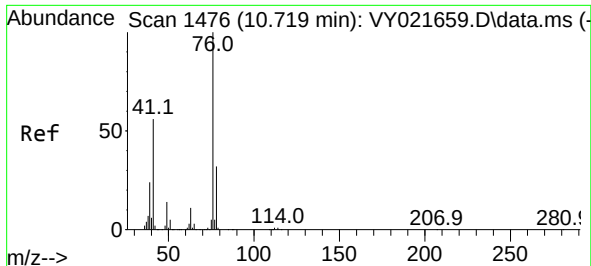
Tgt Ion:	97	Resp:	9802
Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	58.7	43.9	65.9
99	67.0	49.9	74.9



#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:	69	Resp:	10060
Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	42.5	29.6	44.4





#57

1,3-Dichloropropane

Concen: 5.258 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

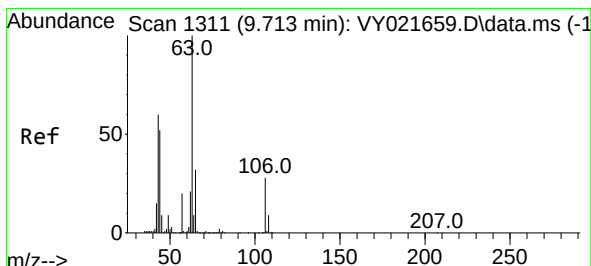
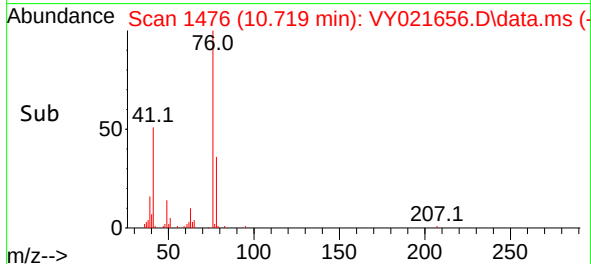
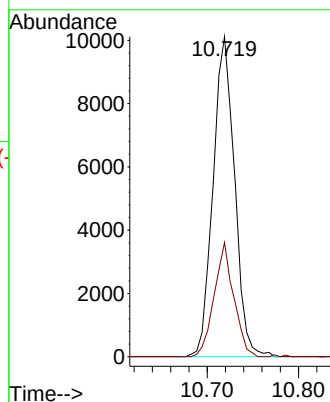
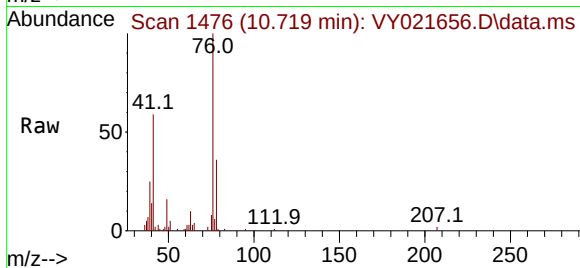
VSTDIC005

Tgt Ion: 76 Resp: 16534

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 21.959 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021656.D

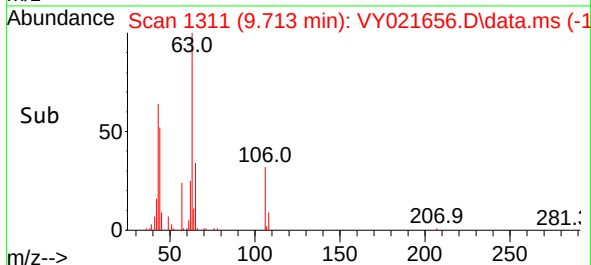
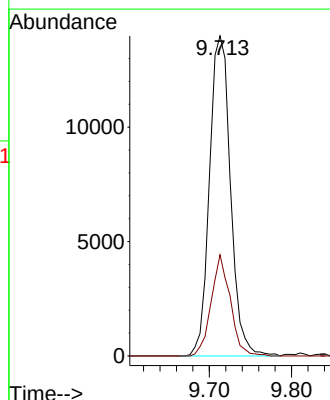
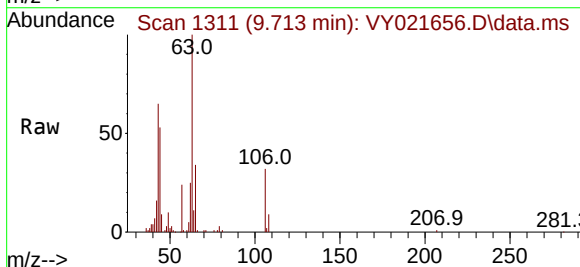
Acq: 27 Mar 2025 10:08

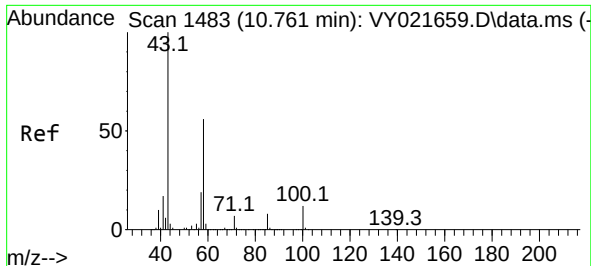
Tgt Ion: 63 Resp: 24903

Ion Ratio Lower Upper

63 100

106 28.8 22.4 33.6

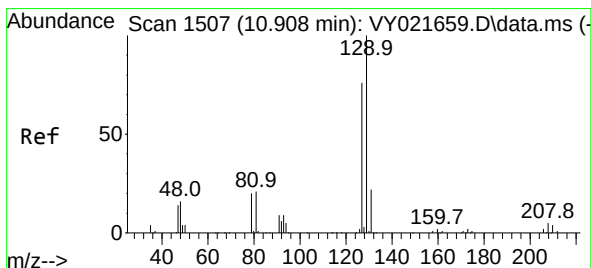
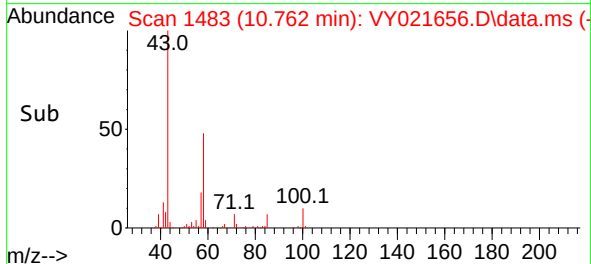
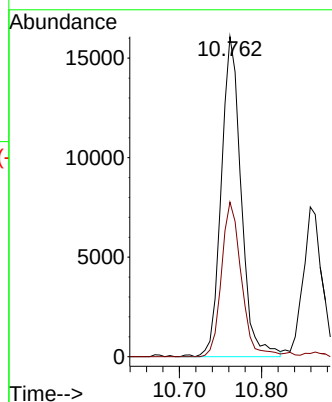
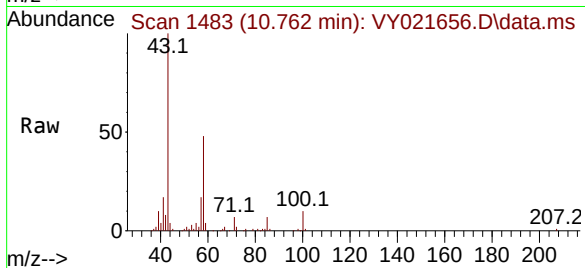




#59
2-Hexanone
Concen: 25.145 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

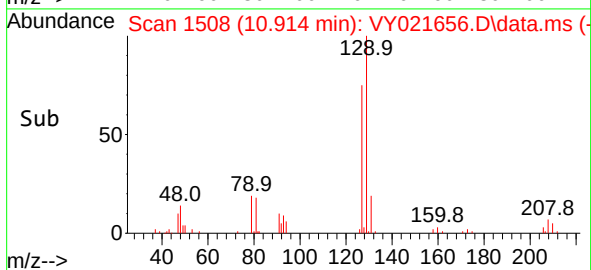
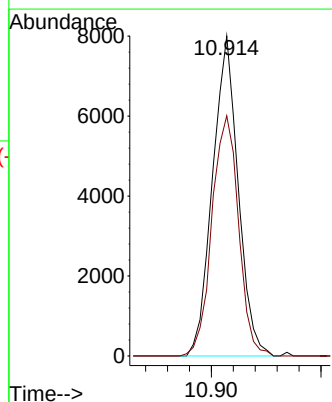
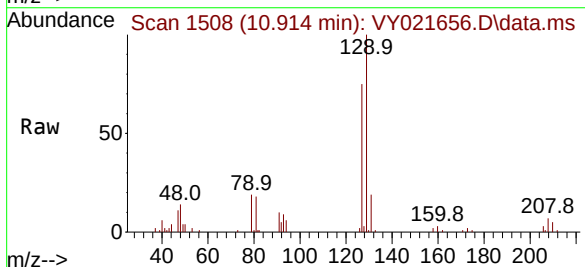
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

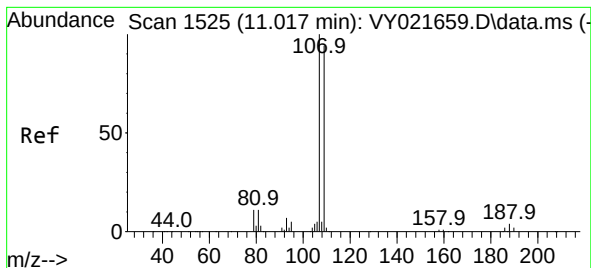
Tgt Ion: 43 Resp: 26991
Ion Ratio Lower Upper
43 100
58 48.9 27.2 81.5



#60
Dibromochloromethane
Concen: 5.231 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 129 Resp: 13002
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7

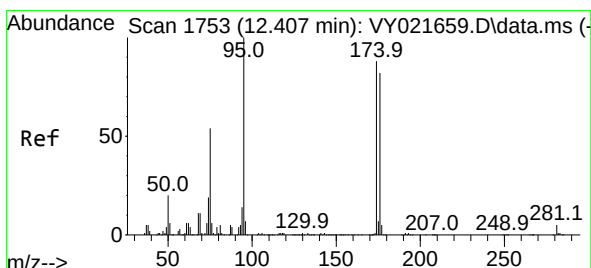
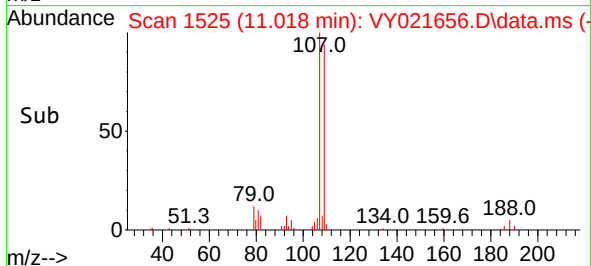
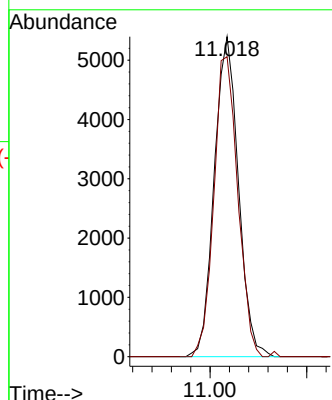
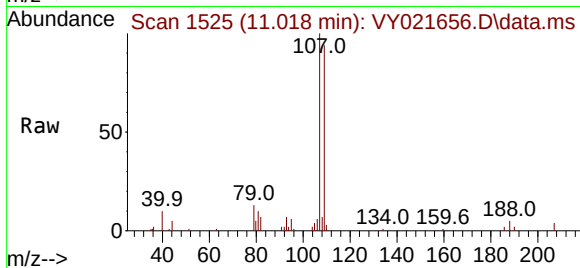




#61
1,2-Dibromoethane
Concen: 5.472 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

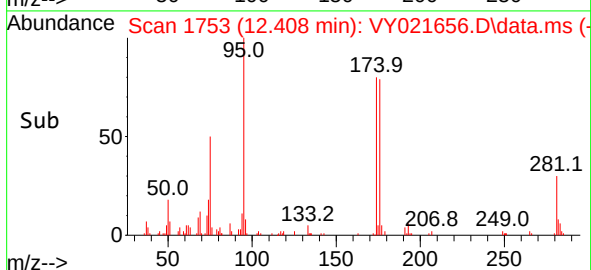
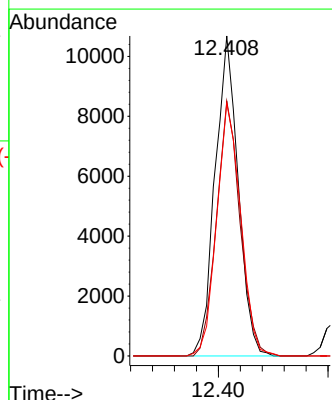
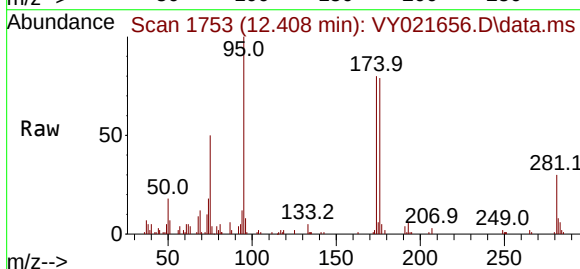
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

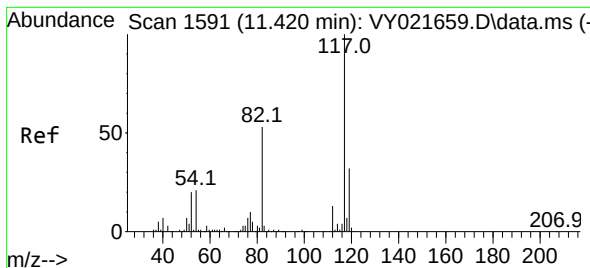
Tgt Ion: 107 Resp: 9345
Ion Ratio Lower Upper
107 100
109 92.9 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 5.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 95 Resp: 15657
Ion Ratio Lower Upper
95 100
174 81.4 0.0 170.8
176 81.7 0.0 162.0

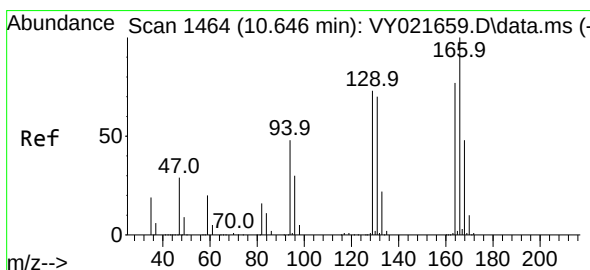
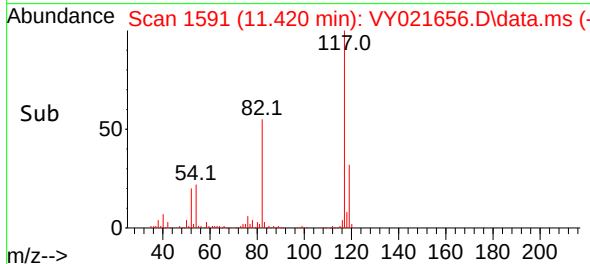
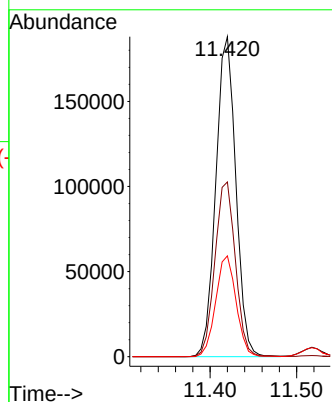
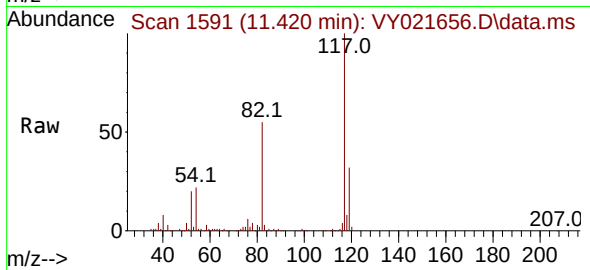




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

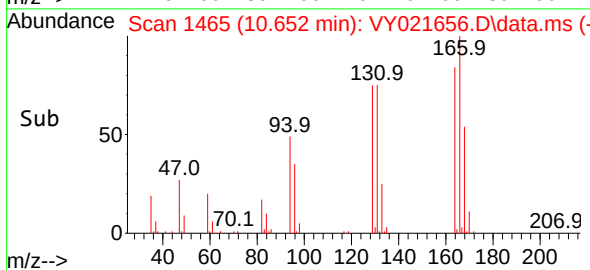
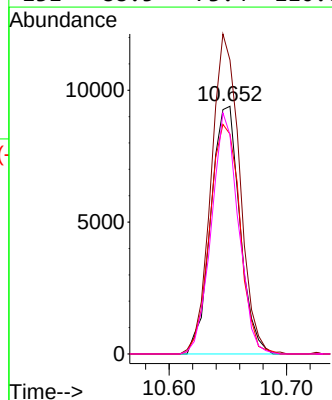
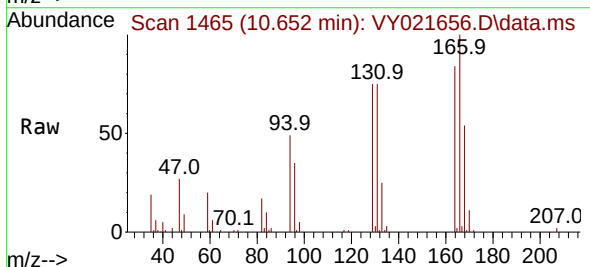
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

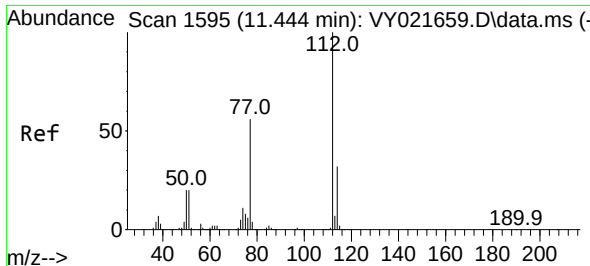
Tgt Ion:117 Resp: 301382
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 5.860 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:164 Resp: 16085
Ion Ratio Lower Upper
164 100
166 118.7 104.6 156.8
129 88.8 76.6 114.8
131 88.5 73.4 110.0

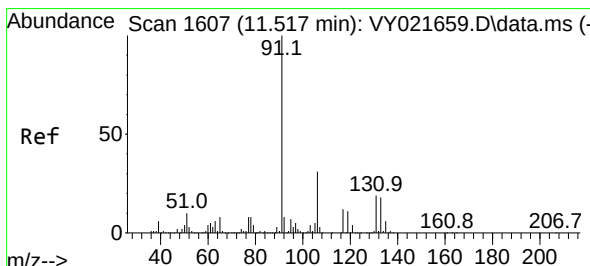
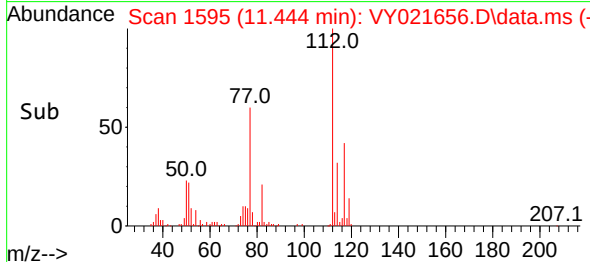
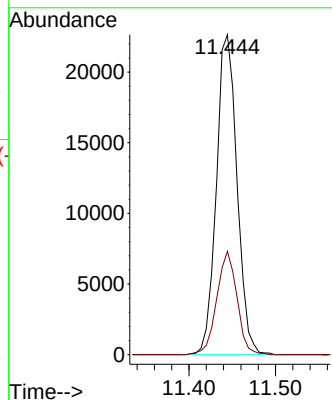
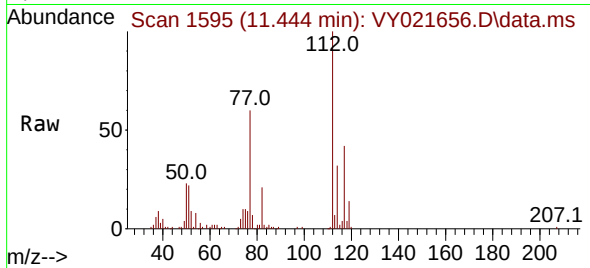




#65
Chlorobenzene
Concen: 5.429 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

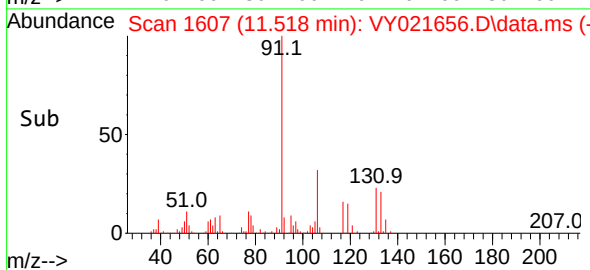
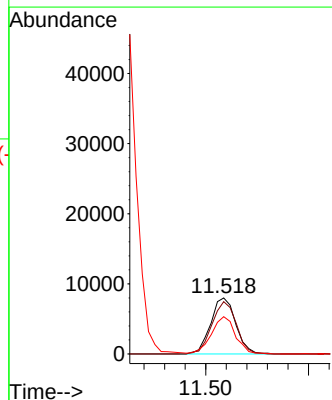
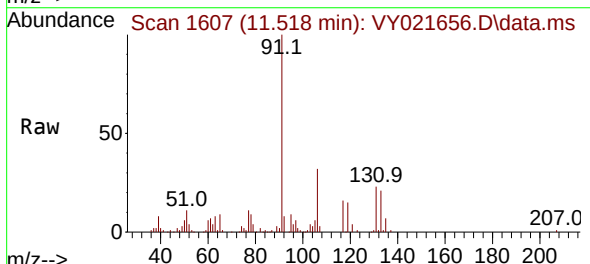
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

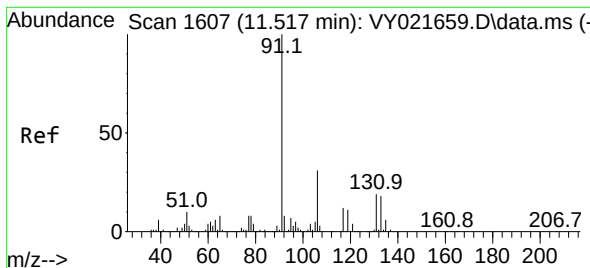
Tgt Ion:112 Resp: 37505
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:131 Resp: 13496
Ion Ratio Lower Upper
131 100
133 91.0 47.3 141.8
119 64.0 31.6 95.0





#67

Ethyl Benzene

Concen: 4.959 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

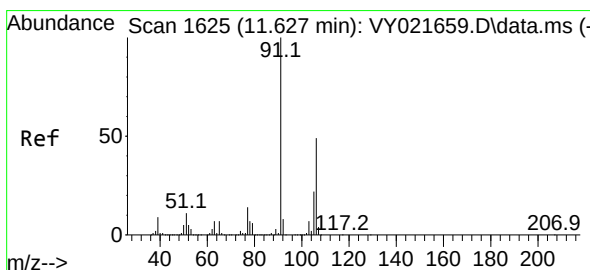
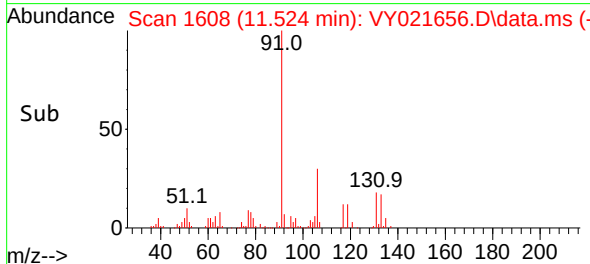
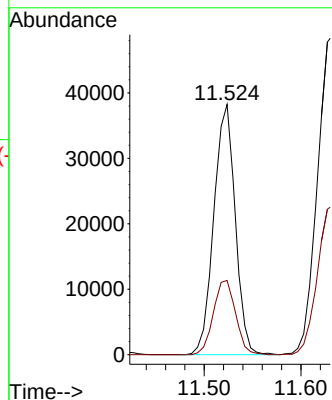
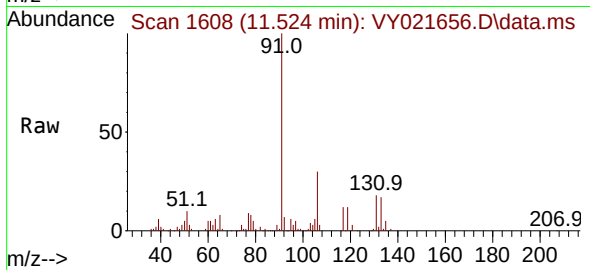
VSTDIC005

Tgt Ion: 91 Resp: 58750

Ion Ratio Lower Upper

91 100

106 29.7 24.6 36.8



#68

m/p-Xylenes

Concen: 9.652 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021656.D

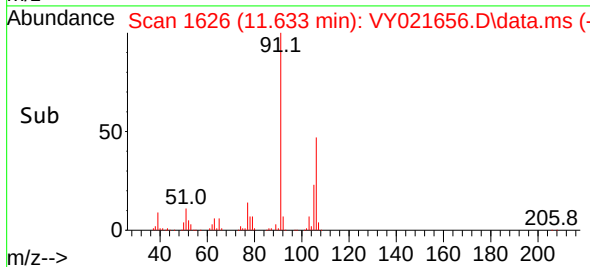
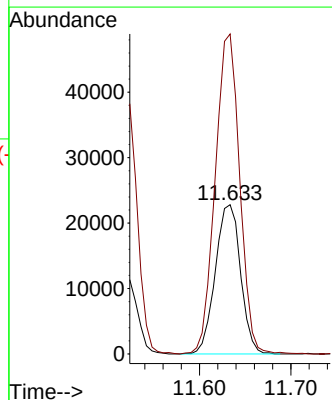
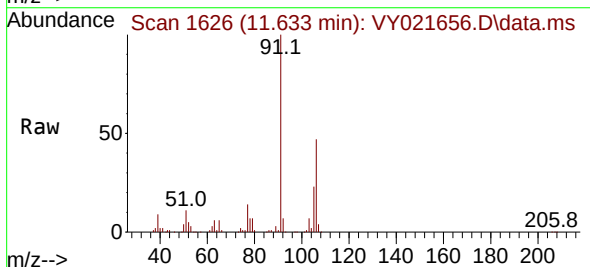
Acq: 27 Mar 2025 10:08

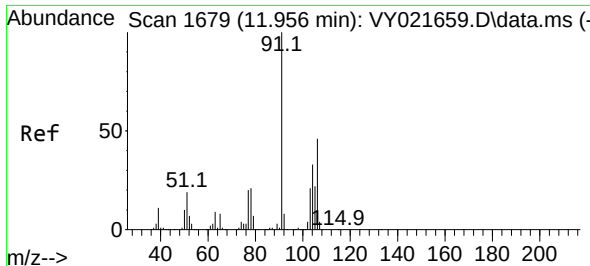
Tgt Ion: 106 Resp: 43785

Ion Ratio Lower Upper

106 100

91 208.3 162.4 243.6

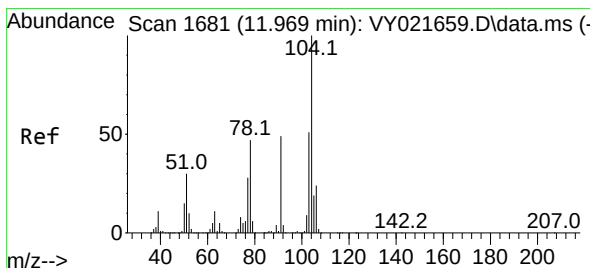
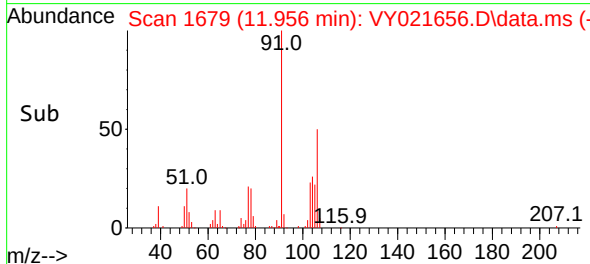
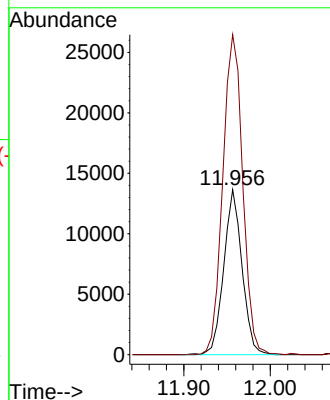
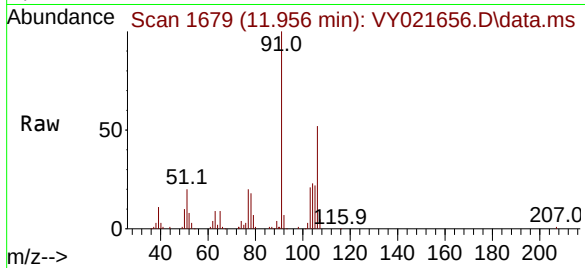




#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

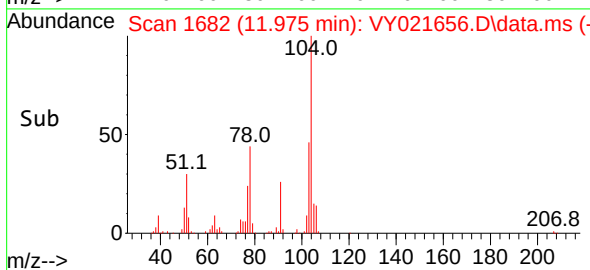
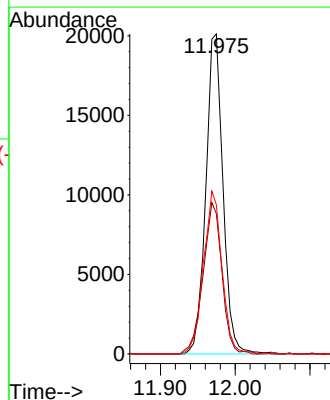
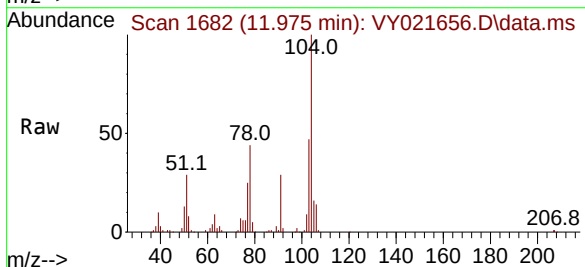
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

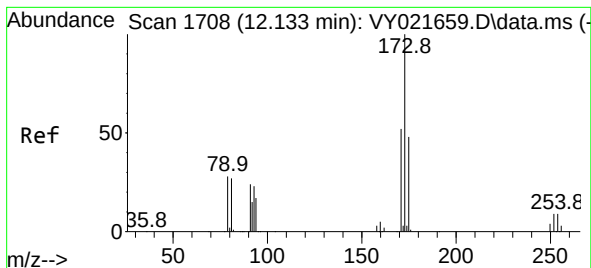
Tgt Ion:106 Resp: 20041
Ion Ratio Lower Upper
106 100
91 210.7 106.7 319.9



#70
Styrene
Concen: 4.594 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:104 Resp: 32075
Ion Ratio Lower Upper
104 100
78 52.0 40.8 61.2
103 54.8 44.2 66.2





#71

Bromoform

Concen: 5.187 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

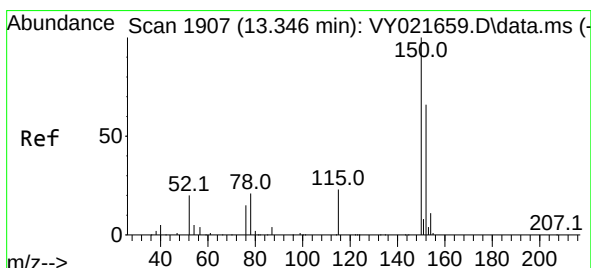
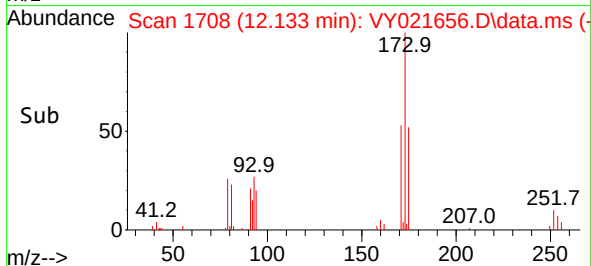
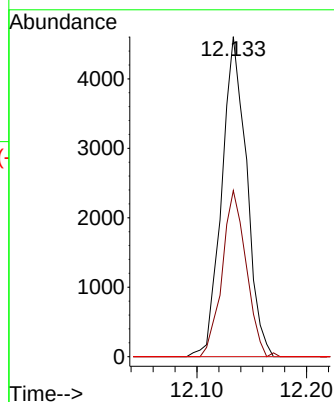
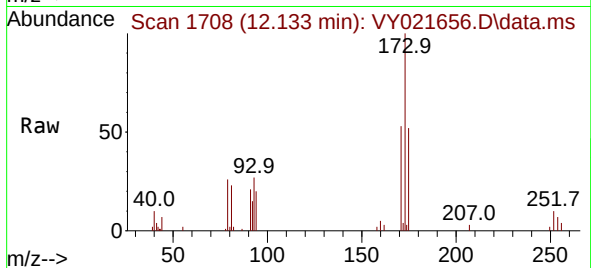
Tgt Ion:173 Resp: 7253

Ion Ratio Lower Upper

173 100

175 50.0 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

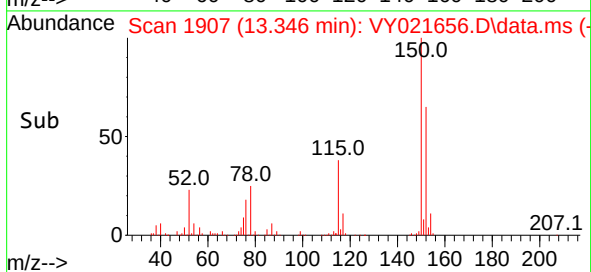
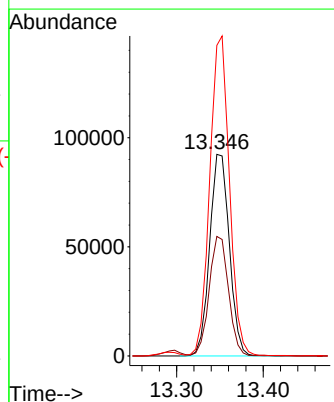
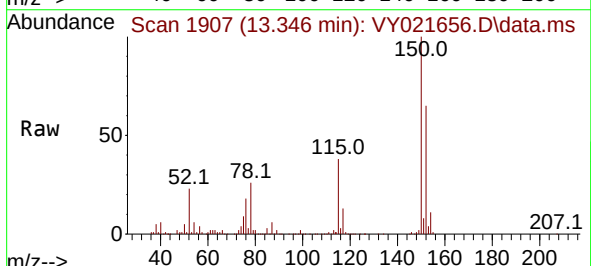
Tgt Ion:152 Resp: 145682

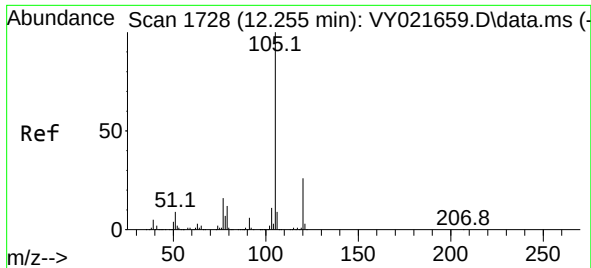
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 158.9 0.0 348.4

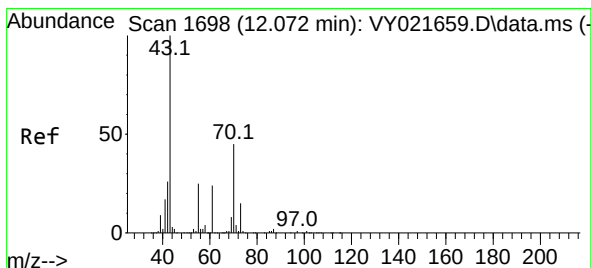
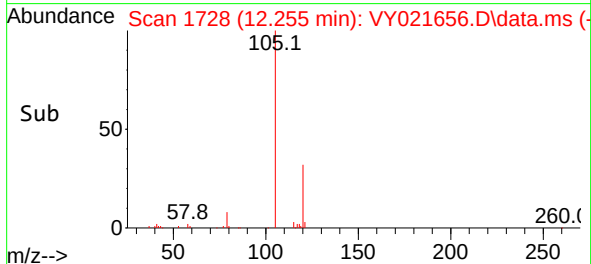
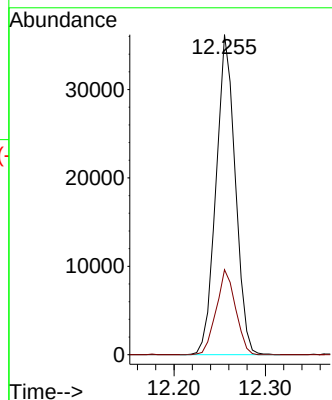
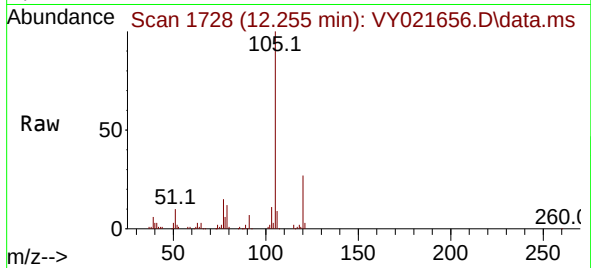




#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

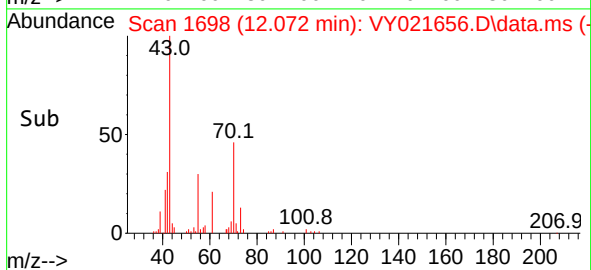
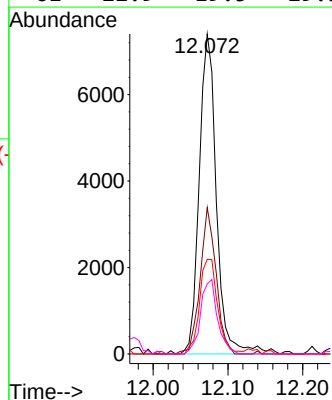
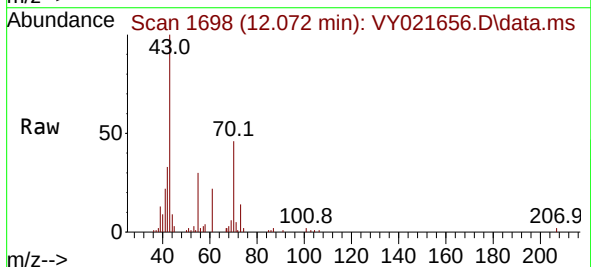
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

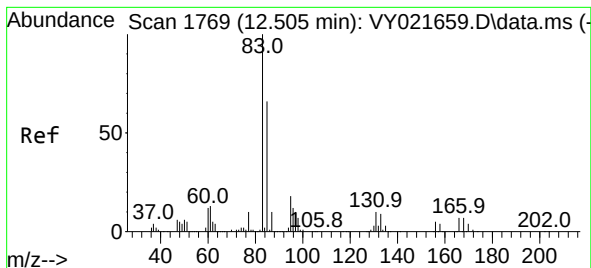
Tgt Ion:105 Resp: 52860
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5



#74
N-ethyl acetate
Concen: 4.660 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
70 42.3 34.7 52.1
55 31.4 21.2 31.8
61 22.9 19.5 29.3

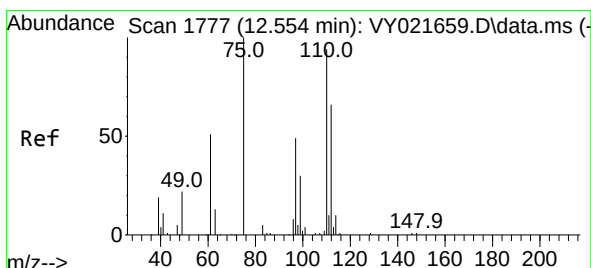
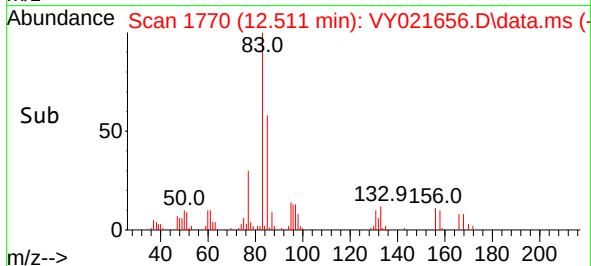
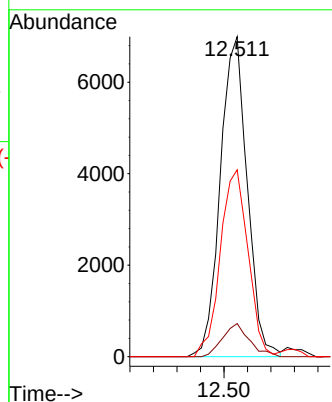
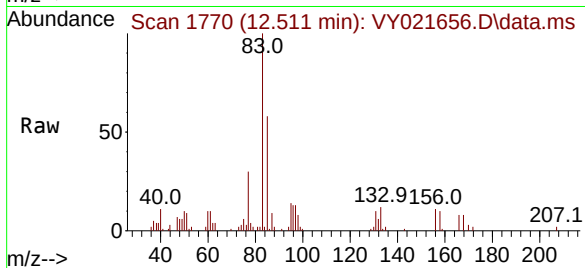




#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

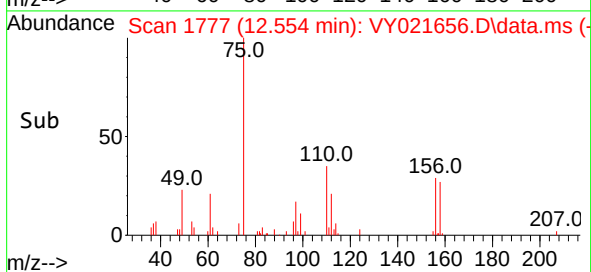
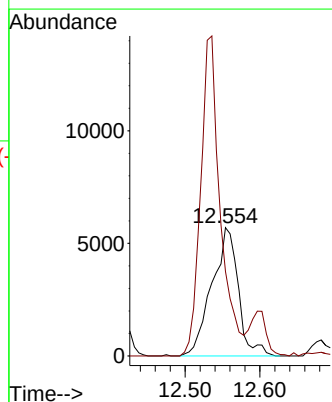
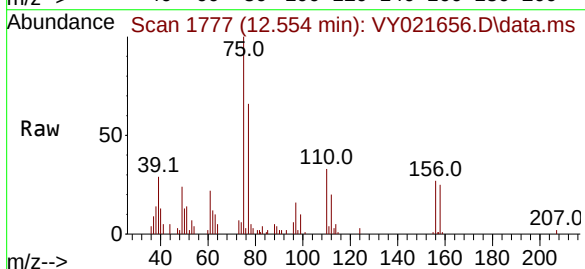
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

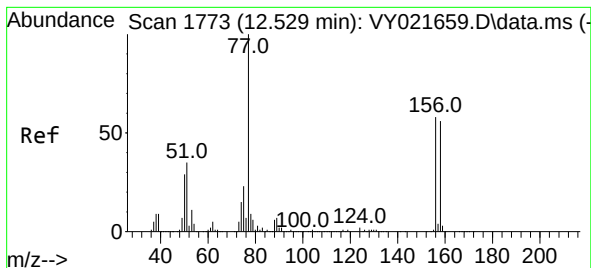
Tgt Ion: 83 Resp: 11133
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 60.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 9.675 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 13972
Ion Ratio Lower Upper
75 100
77 185.5 0.0 0.0#





#77

Bromobenzene

Concen: 5.305 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

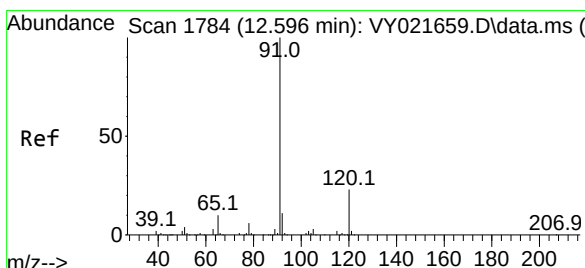
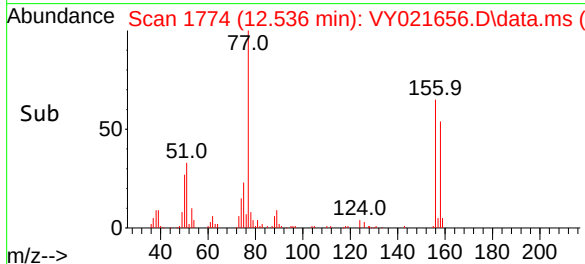
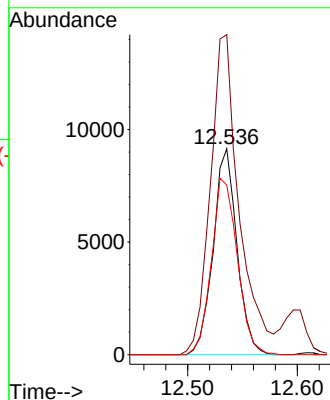
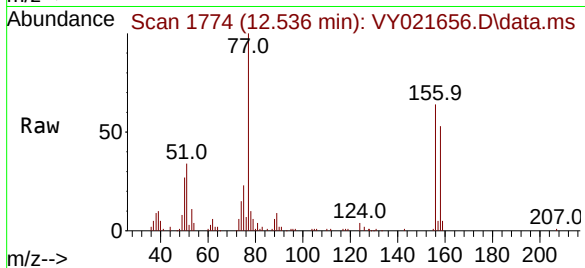
Tgt Ion:156 Resp: 13783

Ion Ratio Lower Upper

156 100

77 188.0 92.8 278.3

158 93.2 48.5 145.6



#78

n-propylbenzene

Concen: 4.868 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021656.D

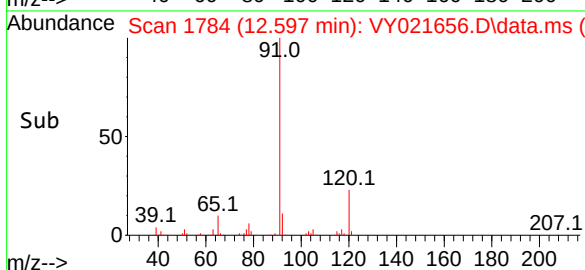
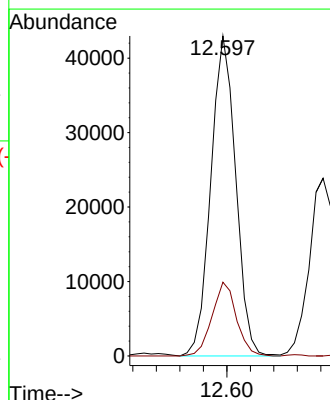
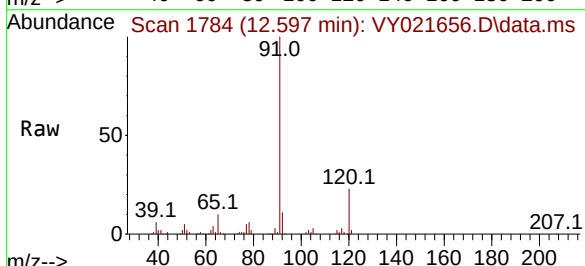
Acq: 27 Mar 2025 10:08

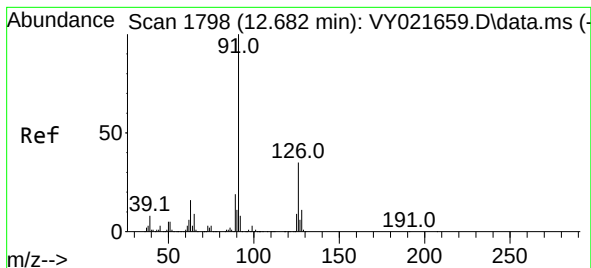
Tgt Ion: 91 Resp: 63324

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9

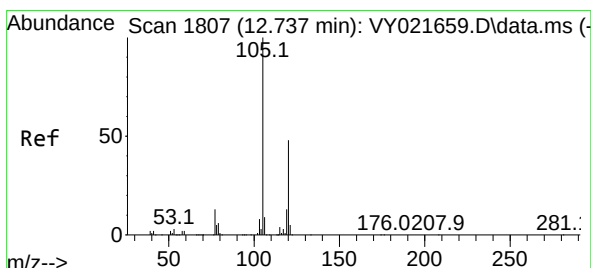
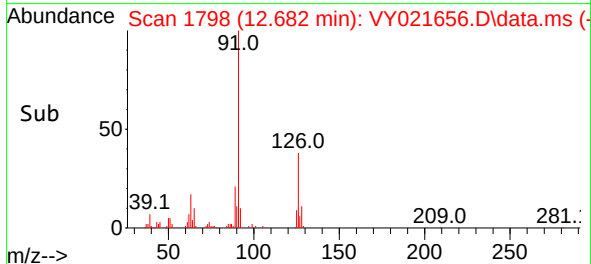
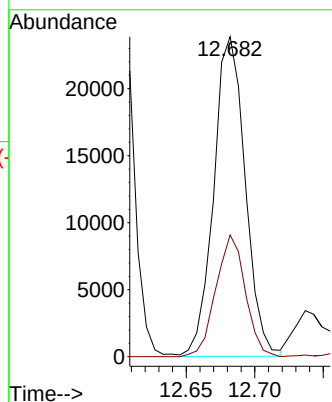
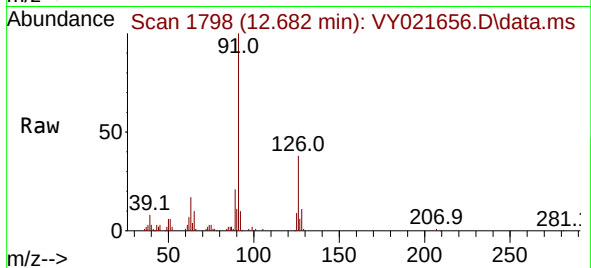




#79
2-Chlorotoluene
Concen: 5.044 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

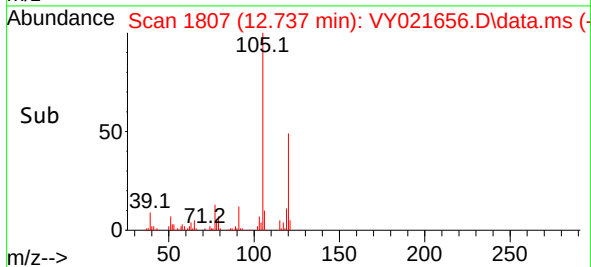
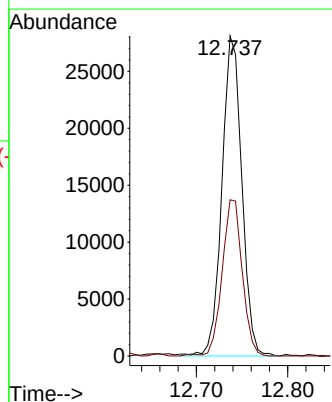
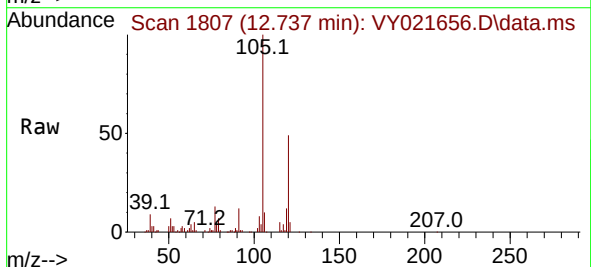
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

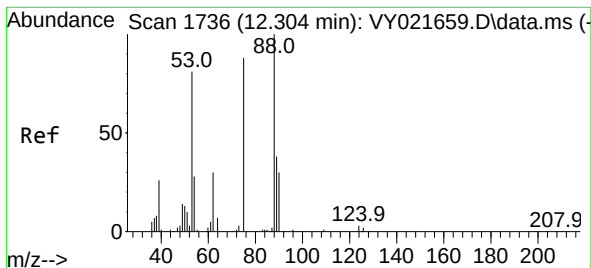
Tgt Ion: 91 Resp: 38107
Ion Ratio Lower Upper
91 100
126 35.6 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 4.806 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 105 Resp: 42499
Ion Ratio Lower Upper
105 100
120 49.5 24.5 73.5

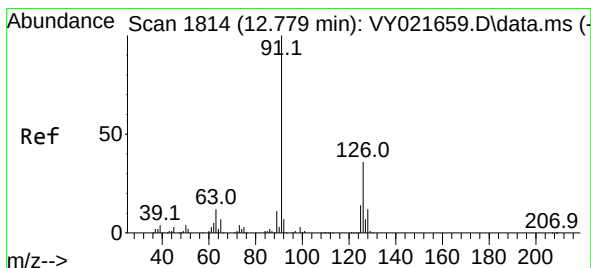
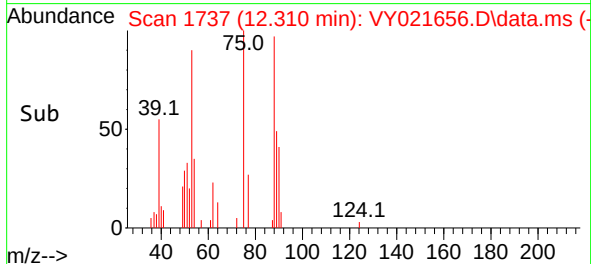
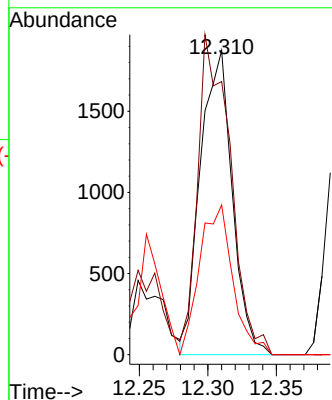
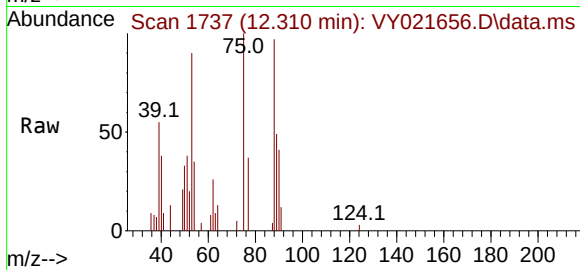




#81
trans-1,4-Dichloro-2-butene
Concen: 4.823 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

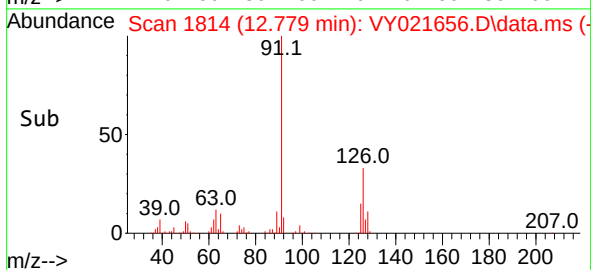
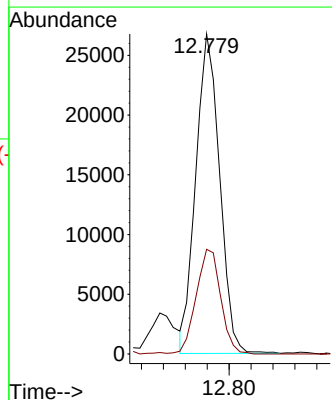
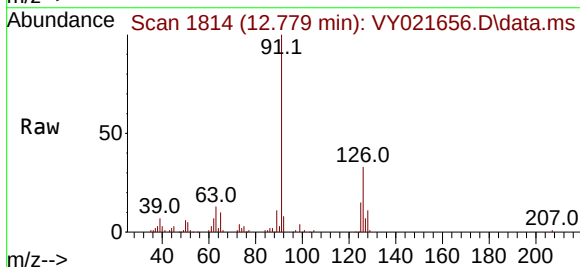
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

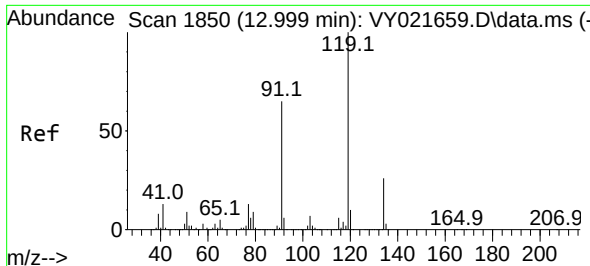
Tgt Ion: 75 Resp: 3023
Ion Ratio Lower Upper
75 100
53 107.4 76.1 114.1
89 51.7 36.2 54.4



#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 40326
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9

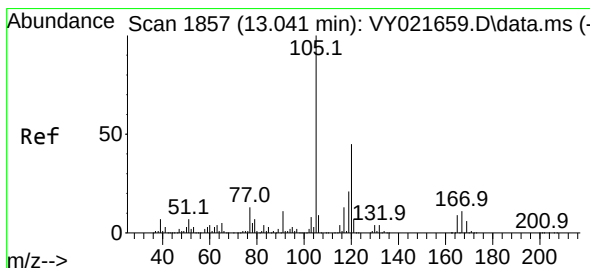
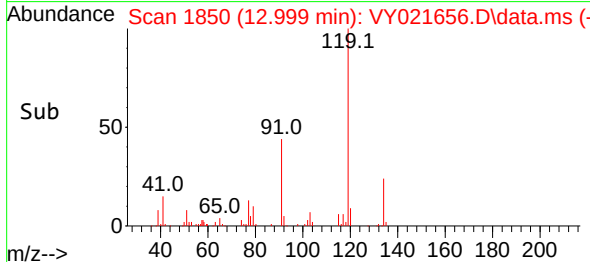
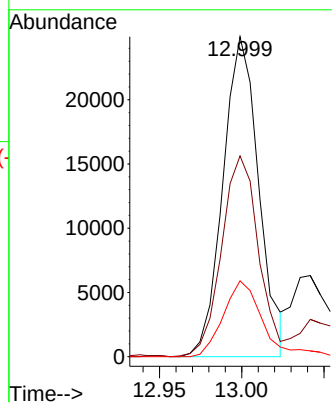
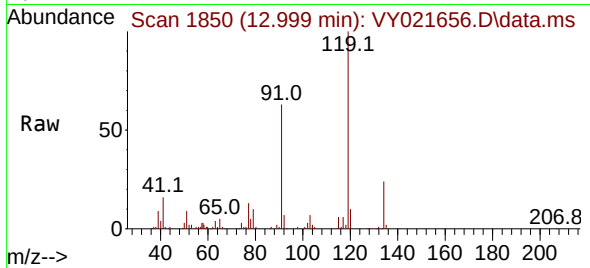




#83
 tert-Butylbenzene
 Concen: 4.801 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

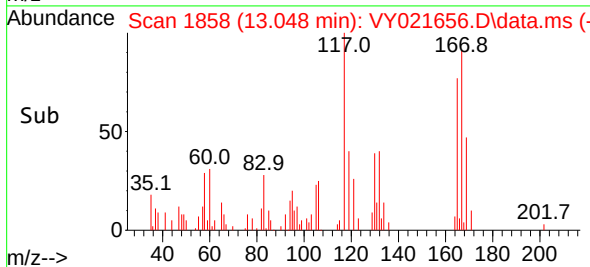
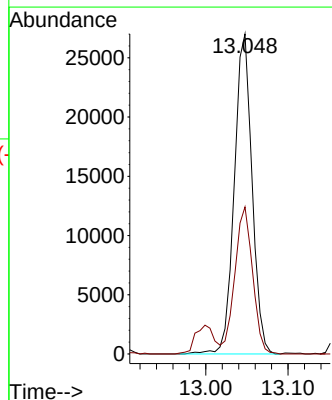
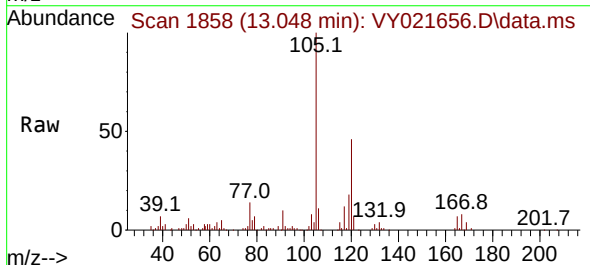
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

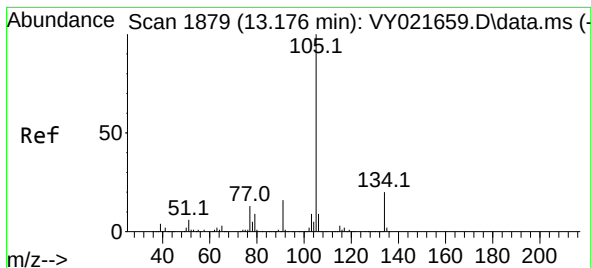
Tgt Ion:	119	Resp:	37817
Ion Ratio	Lower	Upper	
119	100		
91	65.7	32.6	97.7
134	26.1	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.639 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

Tgt Ion:	105	Resp:	40547
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 4.858 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

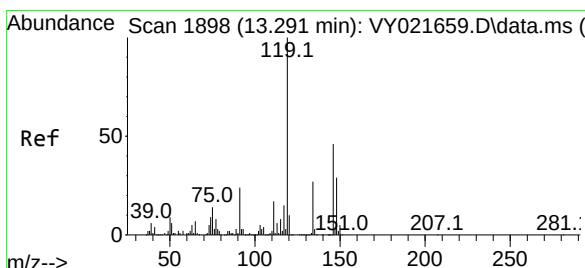
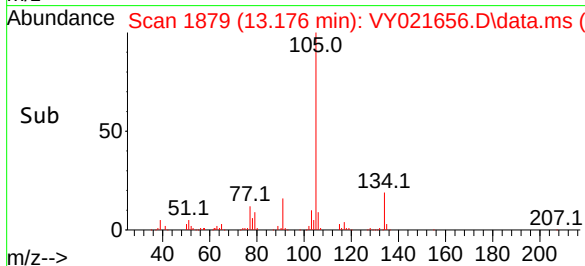
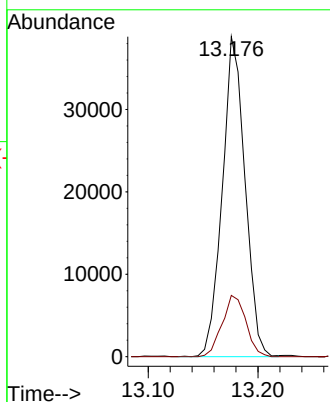
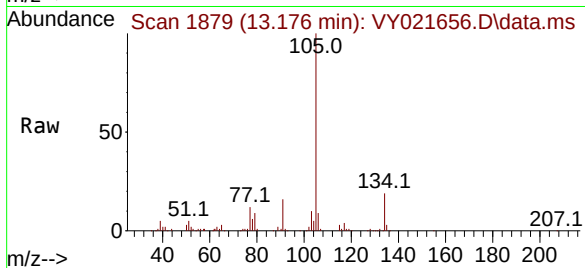
VSTDIC005

Tgt Ion:105 Resp: 55918

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 4.595 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

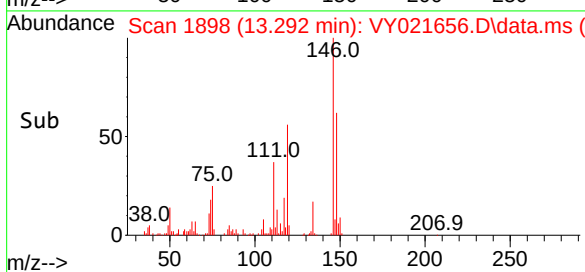
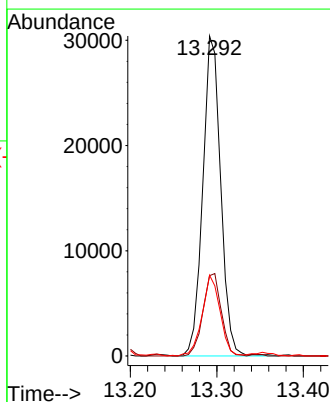
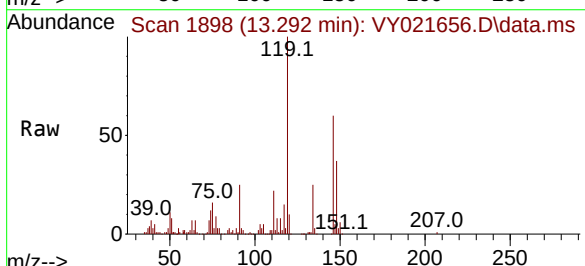
Tgt Ion:119 Resp: 43714

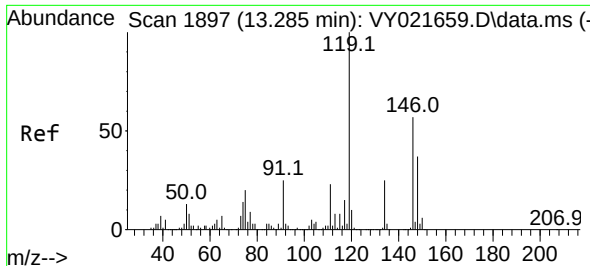
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 25.2 12.0 36.0

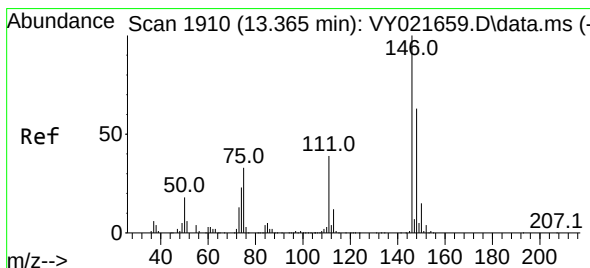
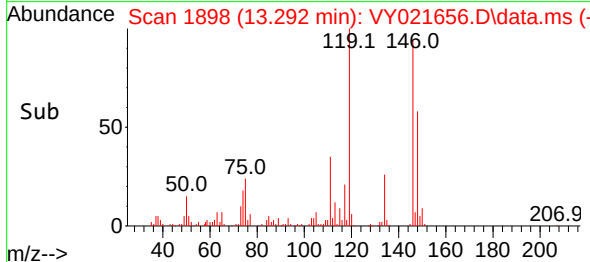
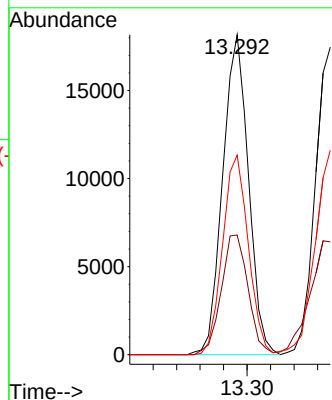
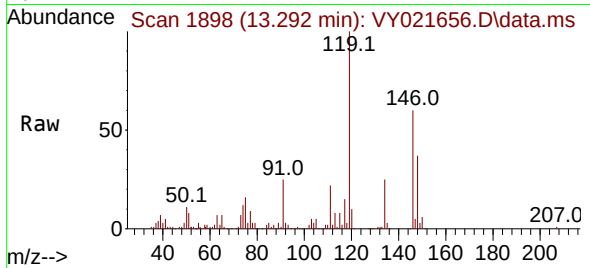




#87
 1,3-Dichlorobenzene
 Concen: 5.393 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

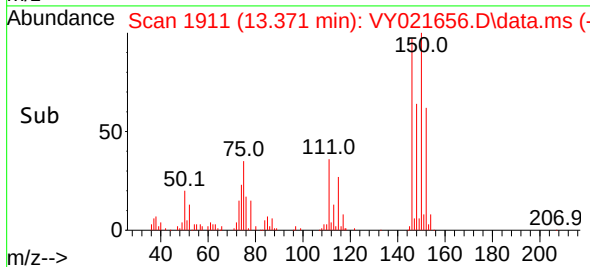
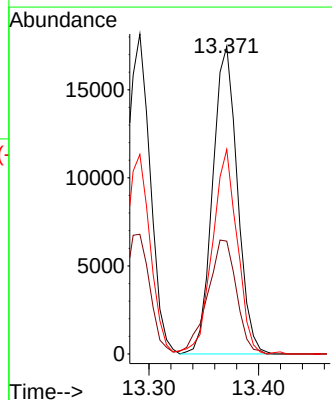
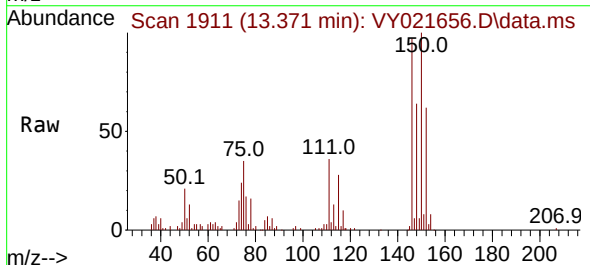
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

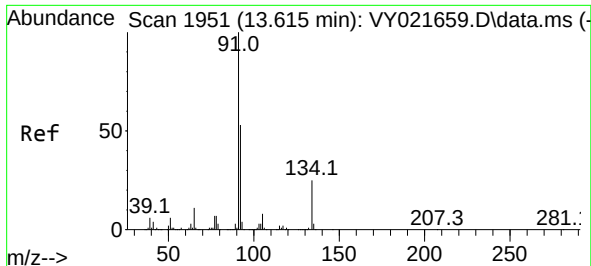
Tgt Ion:146 Resp: 27604
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 62.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 5.405 ug/l
 RT: 13.371 min Scan# 1911
 Delta R.T. 0.006 min
 Lab File: VY021656.D
 Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 27332
 Ion Ratio Lower Upper
 146 100
 111 43.4 19.1 57.1
 148 66.9 31.5 94.5





#89

n-Butylbenzene

Concen: 4.785 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

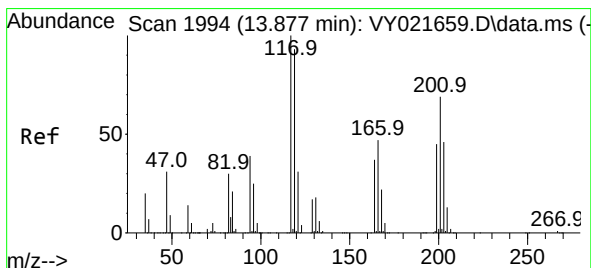
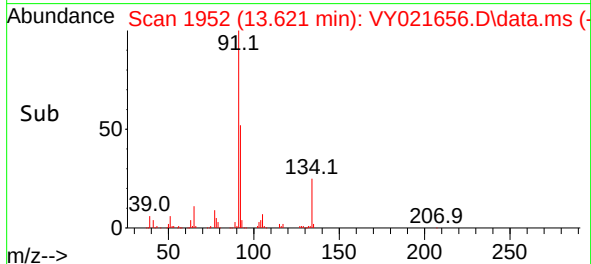
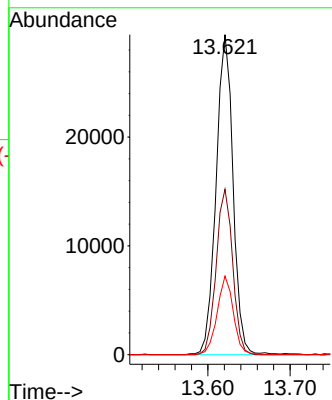
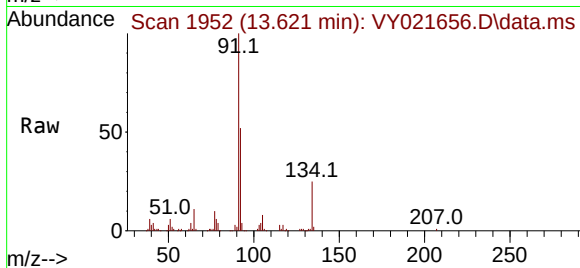
Tgt Ion: 91 Resp: 42102

Ion Ratio Lower Upper

91 100

92 50.2 26.4 79.2

134 23.5 12.8 38.4



#90

Hexachloroethane

Concen: 5.573 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021656.D

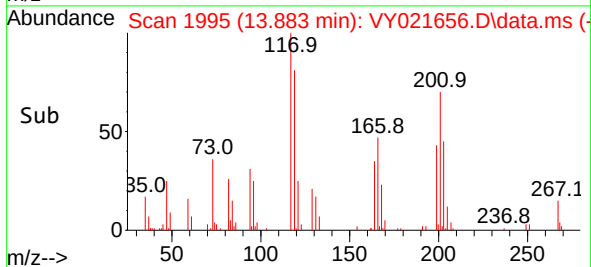
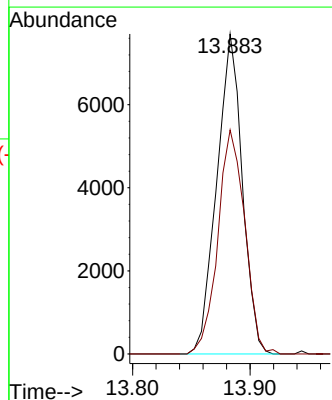
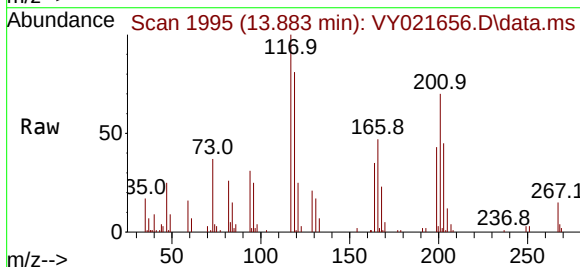
Acq: 27 Mar 2025 10:08

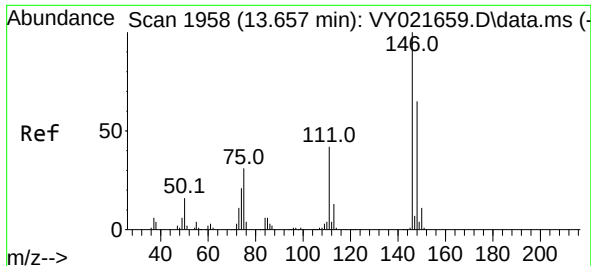
Tgt Ion: 117 Resp: 11619

Ion Ratio Lower Upper

117 100

201 73.9 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 5.224 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

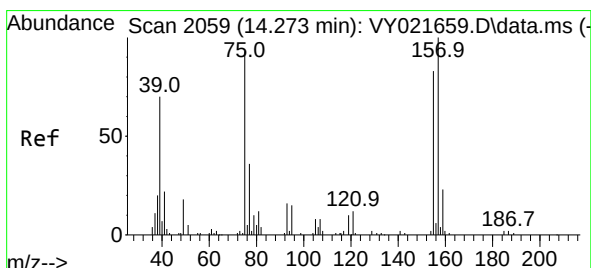
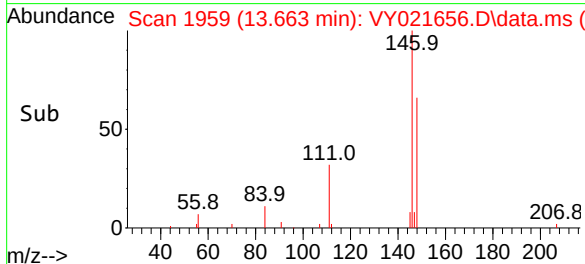
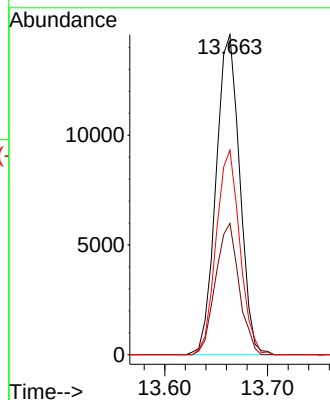
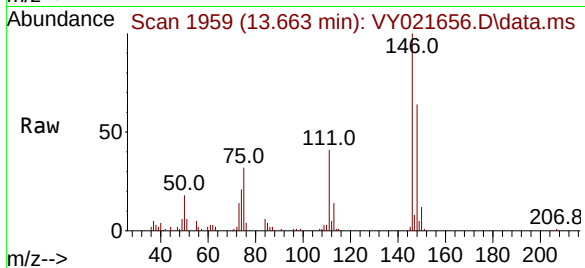
Tgt Ion:146 Resp: 23277

Ion Ratio Lower Upper

146 100

111 40.8 20.7 62.1

148 64.1 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.419 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

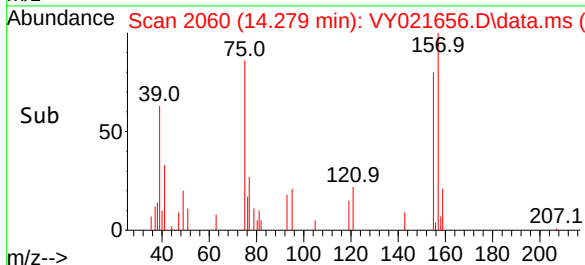
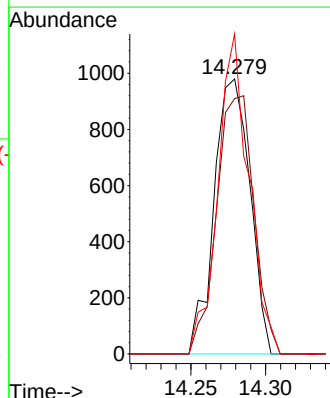
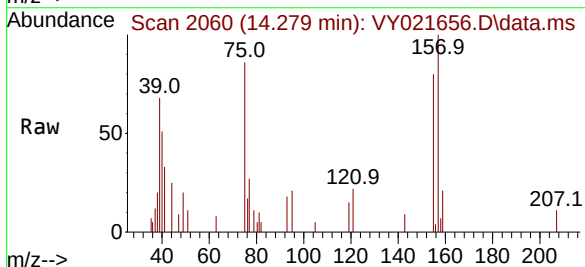
Tgt Ion: 75 Resp: 1634

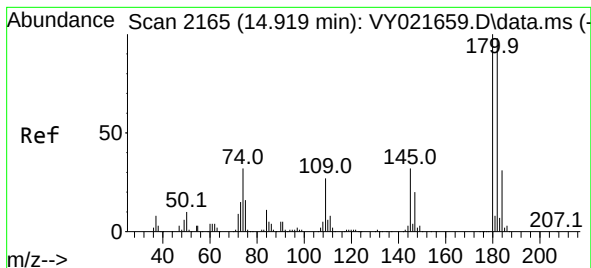
Ion Ratio Lower Upper

75 100

155 97.6 43.0 128.8

157 100.8 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 4.647 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021656.D

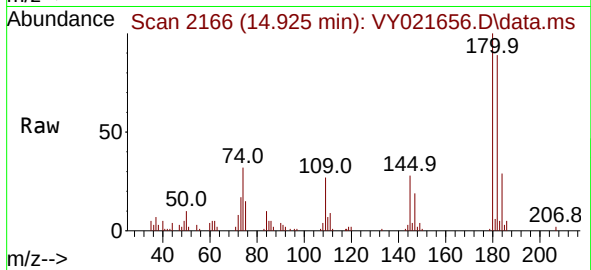
Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005



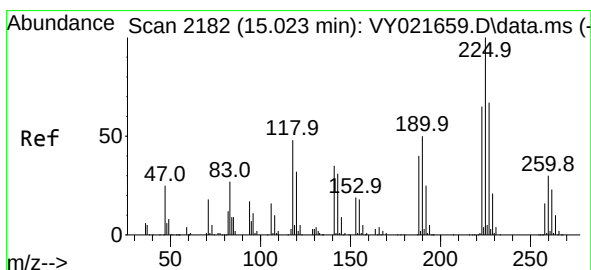
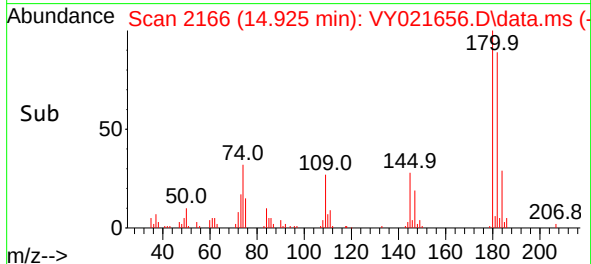
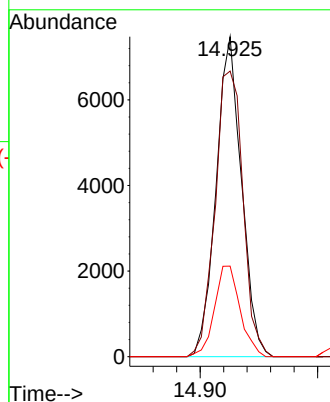
Tgt Ion:180 Resp: 11228

Ion Ratio Lower Upper

180 100

182 98.1 47.5 142.6

145 28.5 14.9 44.9



#94

Hexachlorobutadiene

Concen: 5.484 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

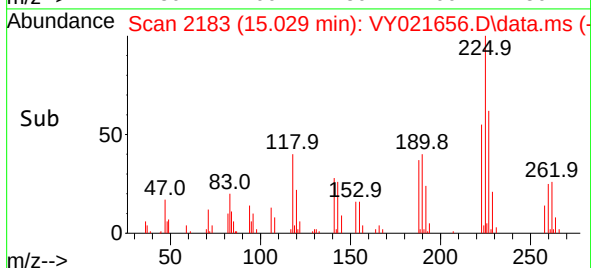
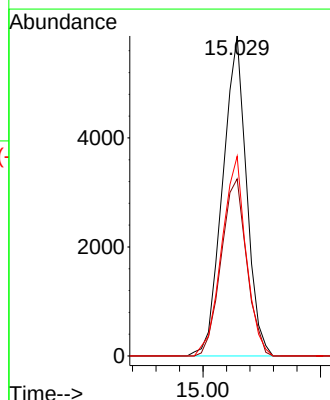
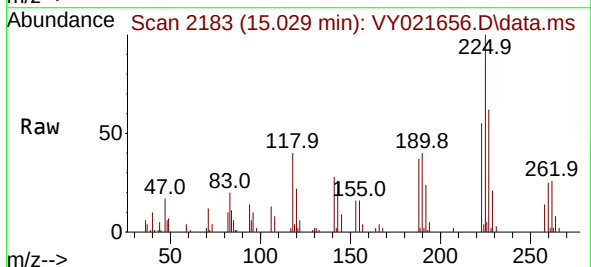
Tgt Ion:225 Resp: 8276

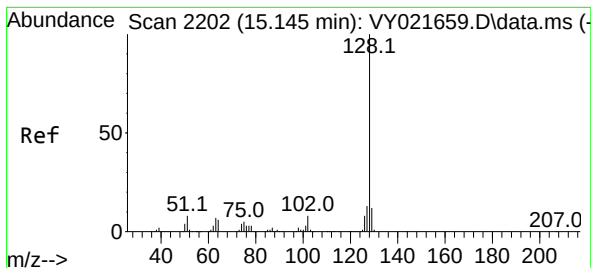
Ion Ratio Lower Upper

225 100

223 59.2 31.9 95.7

227 63.5 32.4 97.0





#95

Naphthalene

Concen: 4.194 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

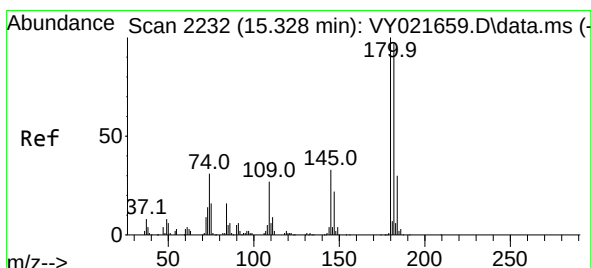
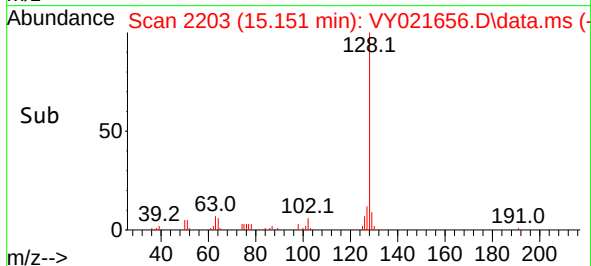
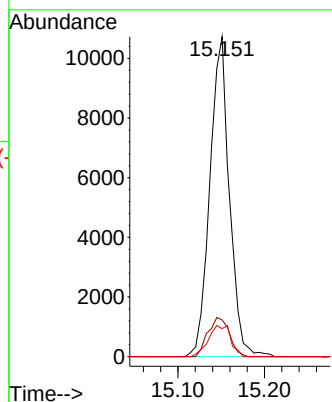
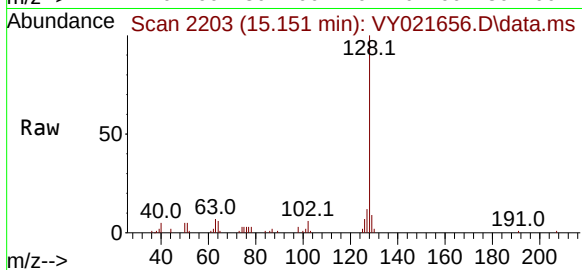
Tgt Ion:128 Resp: 16796

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 4.619 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

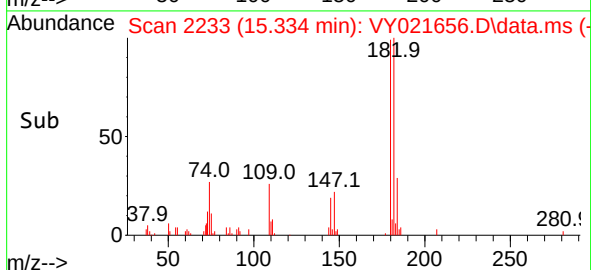
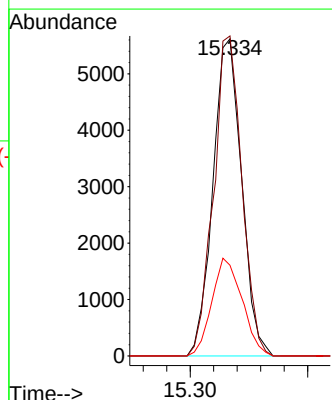
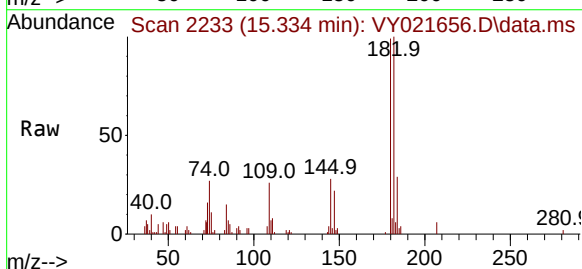
Tgt Ion:180 Resp: 9518

Ion Ratio Lower Upper

180 100

182 99.4 47.5 142.5

145 32.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.620%#
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.820%#
50) Toluene-d8	10.103	98	88000	10.051	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	20.100%#
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	19.660%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l	99
3) Chloromethane	2.068	50	34949	10.633	ug/l	99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l	96
5) Bromomethane	2.592	94	27670	10.914	ug/l	97
6) Chloroethane	2.733	64	25703	10.567	ug/l	98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l	100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l	98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l	99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l	88
13) Acrolein	3.653	56	15799	54.518	ug/l	100
14) Allyl chloride	4.379	41	39045	10.352	ug/l	97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l	98
16) Acetone	3.867	43	27669	55.329	ug/l	99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l #	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l	98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l	96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l	93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l	98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l	98
25) 2-Butanone	6.890	43	37356	52.299	ug/l	97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l	100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l	99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l	97
30) Chloroform	7.421	83	51464	10.459	ug/l	98
31) Cyclohexane	7.701	56	46569	10.798	ug/l #	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l	98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l	99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l	98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l	98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l	98
40) Benzene	8.079	78	108360	10.322	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	23709	26.988	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	31606	10.679	ug/l	100
43) Isopropyl Acetate	8.195	43	33664	10.738	ug/l #	87
44) Trichloroethene	8.866	130	28275	10.571	ug/l	95
45) 1,2-Dichloropropane	9.140	63	25943	10.440	ug/l	99
46) Dibromomethane	9.231	93	15605	10.896	ug/l	94
47) Bromodichloromethane	9.427	83	38737	10.439	ug/l	99
48) Methyl methacrylate	9.219	41	14576	10.130	ug/l	98
49) 1,4-Dioxane	9.231	88	3077	200.565	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111	ug/l	98
52) Toluene	10.170	92	66889	10.212	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879	ug/l	95
56) Ethyl methacrylate	10.439	69	21901	9.307	ug/l	96
57) 1,3-Dichloropropane	10.713	76	33316	10.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274	ug/l	98
59) 2-Hexanone	10.762	43	54649	50.295	ug/l	100
60) Dibromochloromethane	10.914	129	26032	10.346	ug/l	94
61) 1,2-Dibromoethane	11.018	107	17722	10.251	ug/l	97
64) Tetrachloroethene	10.646	164	31334	11.036	ug/l	93
65) Chlorobenzene	11.444	112	73433	10.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060	ug/l	97
67) Ethyl Benzene	11.518	91	119480	9.750	ug/l	98
68) m/p-Xylenes	11.627	106	93887	20.009	ug/l	99
69) o-Xylene	11.957	106	41768	9.643	ug/l	98
70) Styrene	11.969	104	69196	9.581	ug/l	99
71) Bromoform	12.127	173	14887	10.294	ug/l #	98
73) Isopropylbenzene	12.255	105	112512	9.966	ug/l	100
74) N-amyl acetate	12.072	43	26259	9.910	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28958	19.219	ug/l #	100
77) Bromobenzene	12.530	156	27648	10.199	ug/l	98
78) n-propylbenzene	12.597	91	135498	9.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	80079	10.158	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550	ug/l	99
82) 4-Chlorotoluene	12.780	91	83484	10.157	ug/l	100
83) tert-Butylbenzene	12.999	119	81296	9.892	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884	ug/l	100
85) sec-Butylbenzene	13.176	105	121575	10.122	ug/l	99
86) p-Isopropyltoluene	13.292	119	97092	9.781	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336	ug/l	95
89) n-Butylbenzene	13.615	91	89162	9.712	ug/l	98
90) Hexachloroethane	13.877	117	21881	10.059	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419	ug/l	99
94) Hexachlorobutadiene	15.023	225	15844	10.063	ug/l	99
95) Naphthalene	15.145	128	36711	8.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

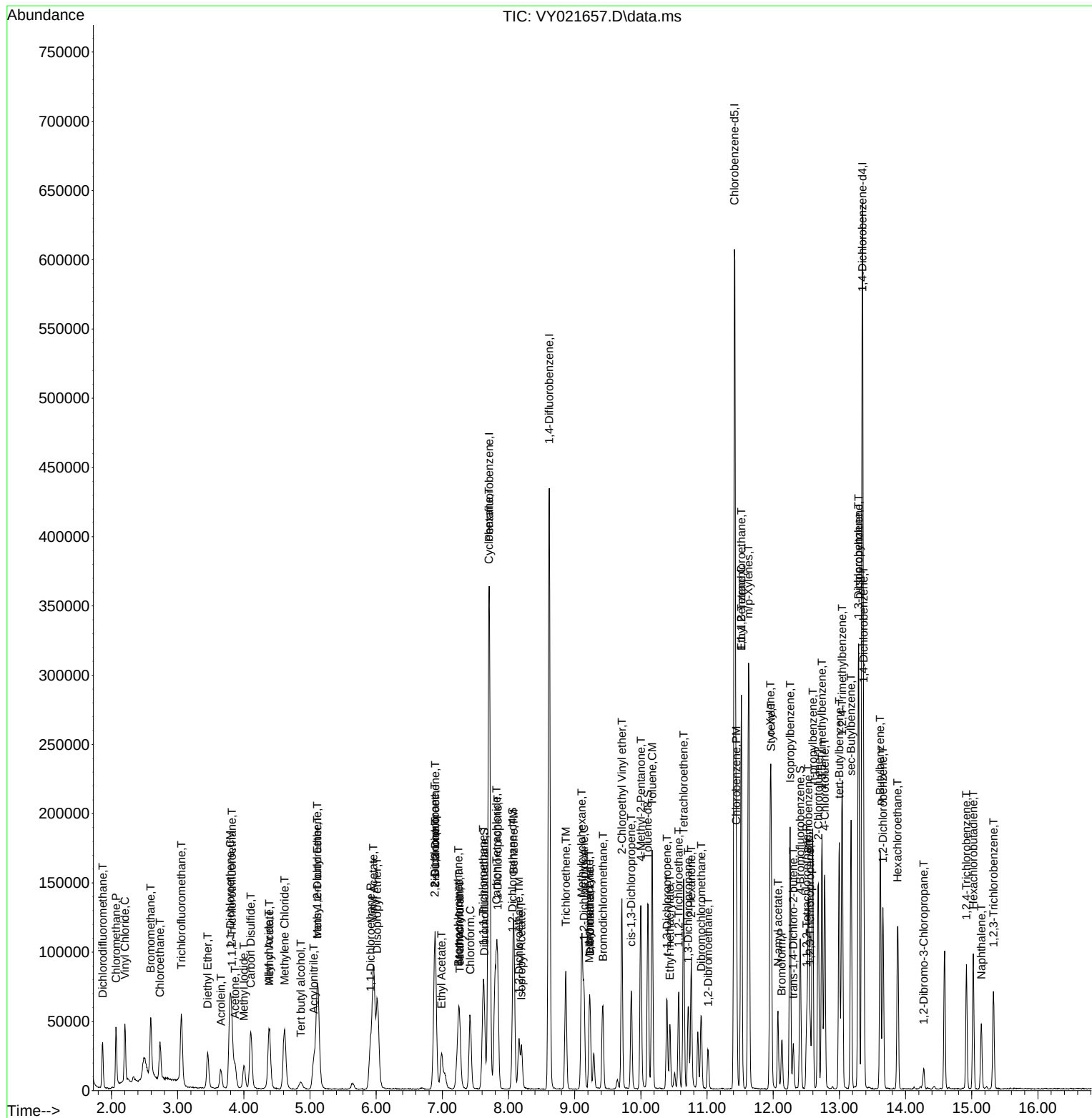
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

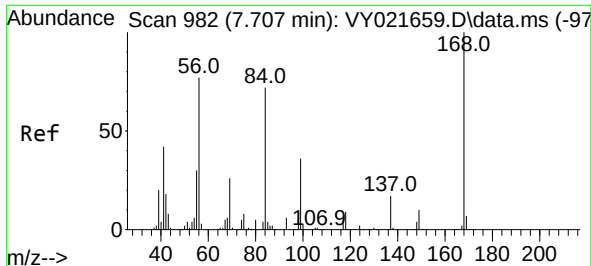
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

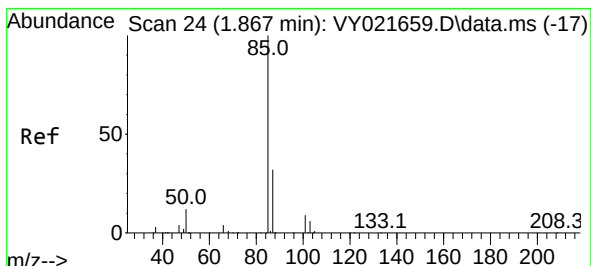
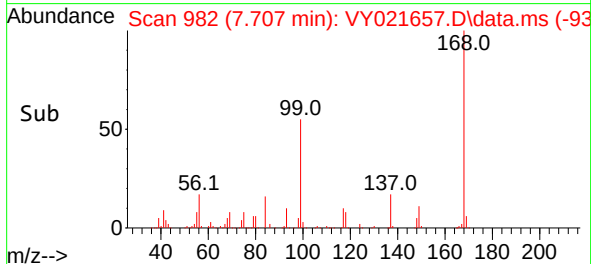
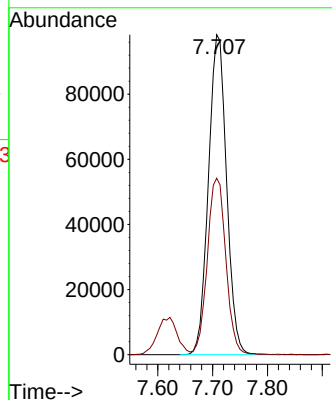
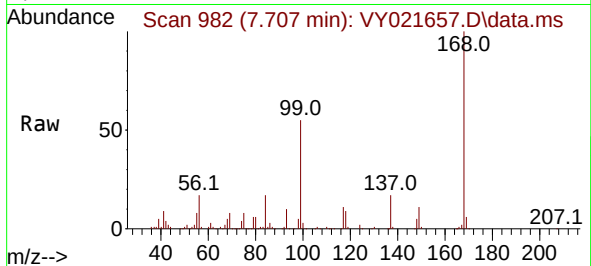




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

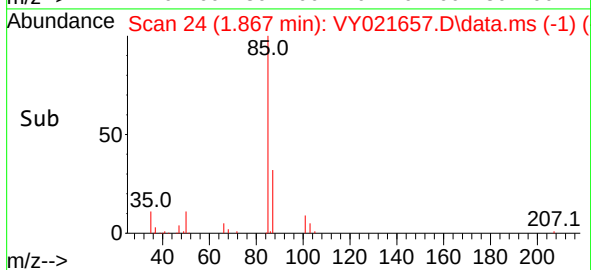
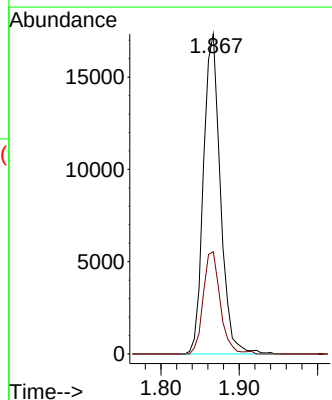
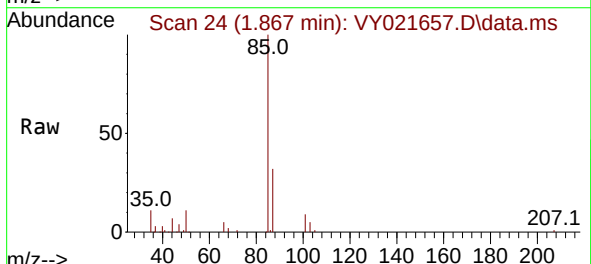
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

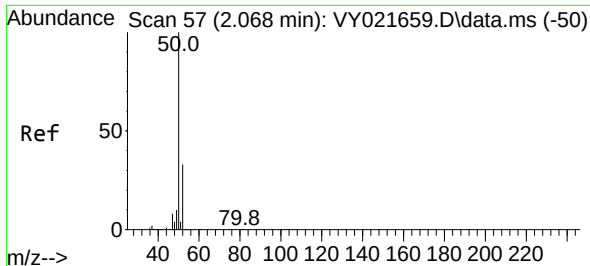
Tgt Ion:168 Resp: 225523
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 11.130 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 85 Resp: 26017
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6

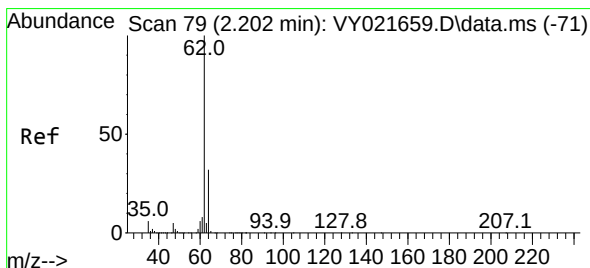
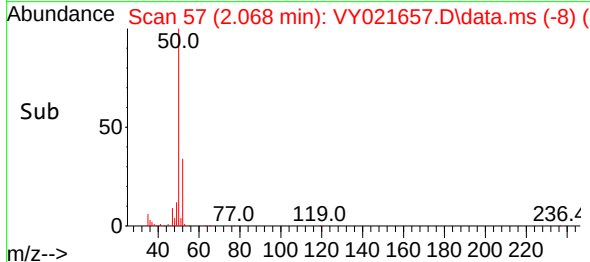
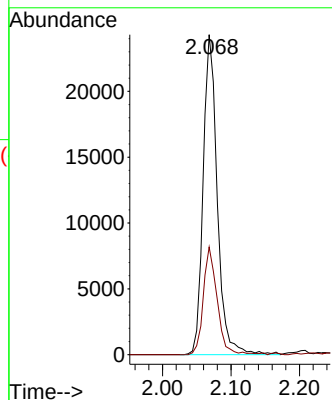
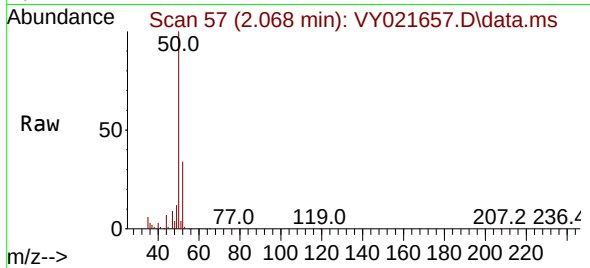




#3
Chloromethane
Concen: 10.633 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

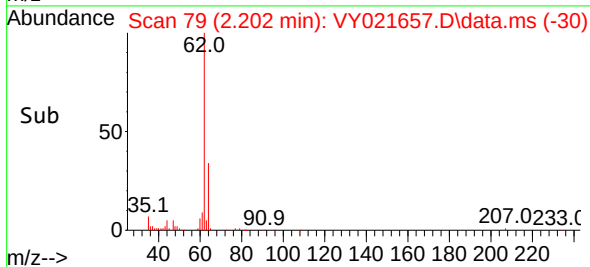
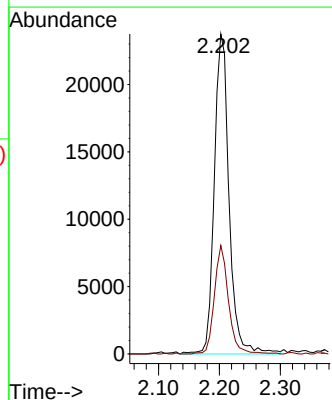
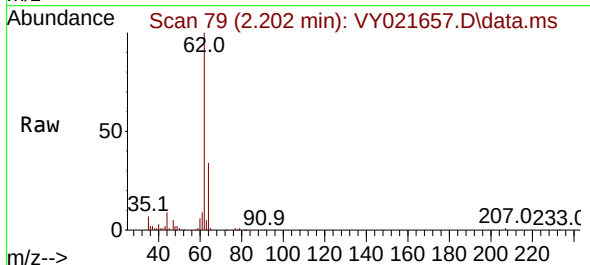
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ClientSampleId :
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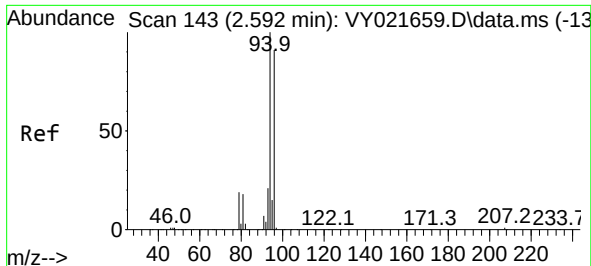
Tgt Ion: 50 Resp: 34949
Ion Ratio Lower Upper
50 100
52 33.7 26.3 39.5



#4
Vinyl Chloride
Concen: 10.756 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 39982
Ion Ratio Lower Upper
62 100
64 33.9 25.5 38.3

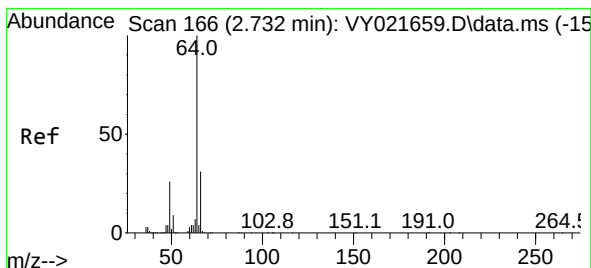
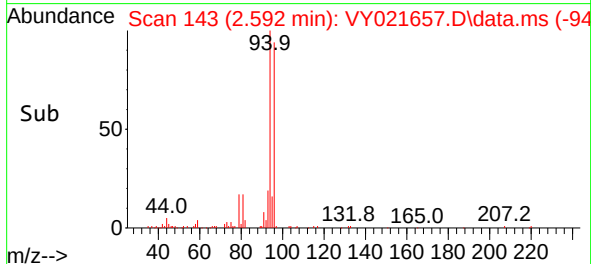
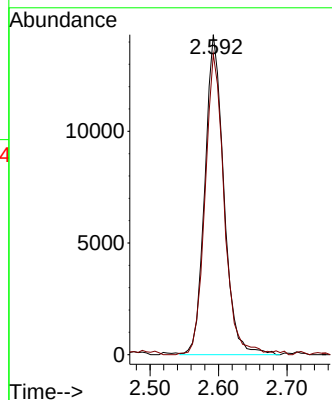
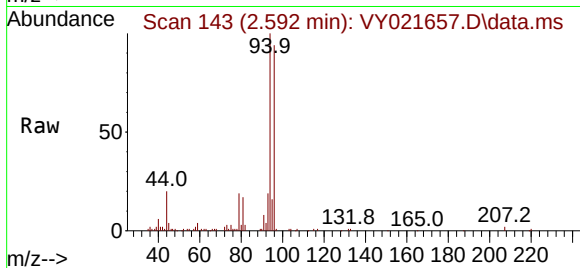




#5
Bromomethane
Concen: 10.914 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

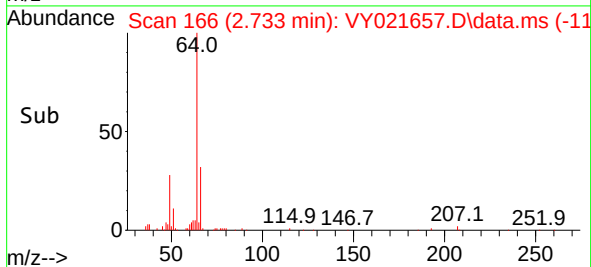
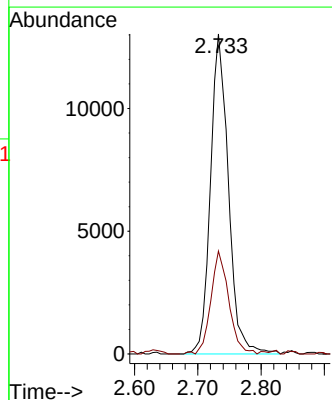
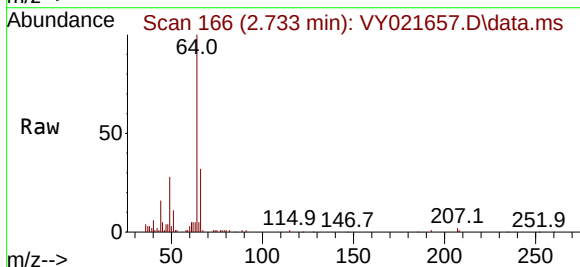
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ClientSampleId :
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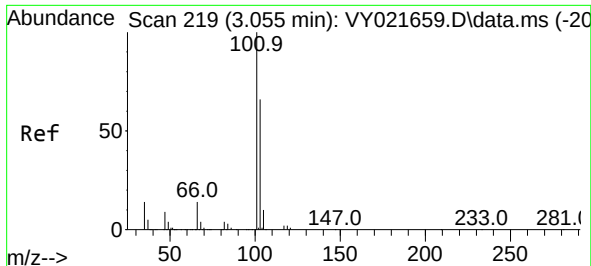
Tgt Ion: 94 Resp: 27670
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2



#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 64 Resp: 25703
Ion Ratio Lower Upper
64 100
66 32.1 24.9 37.3

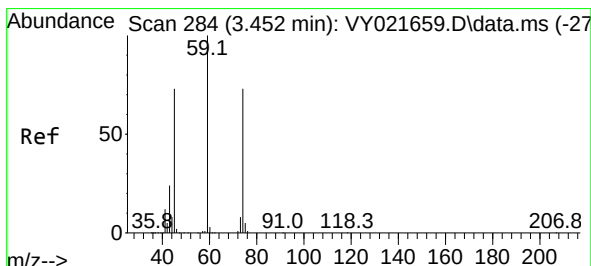
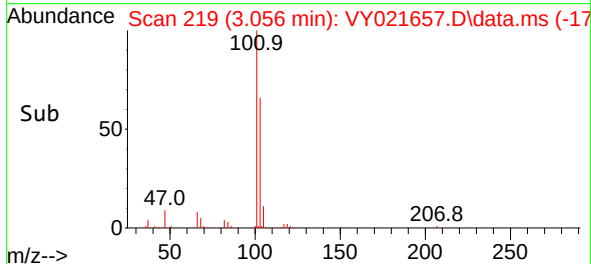
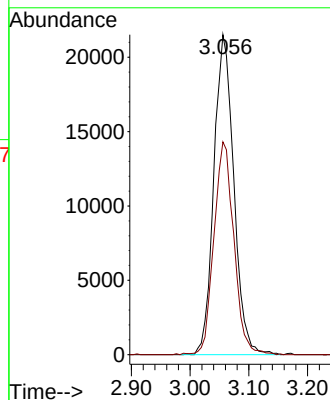
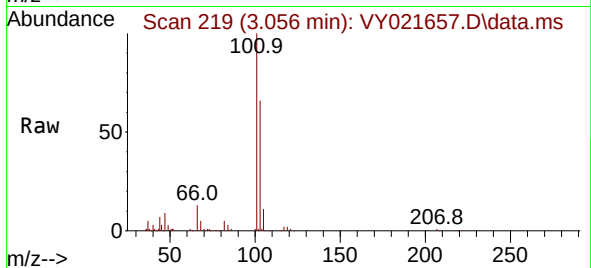




#7
 Trichlorofluoromethane
 Concen: 10.650 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021657.D
 Acq: 27 Mar 2025 10:31

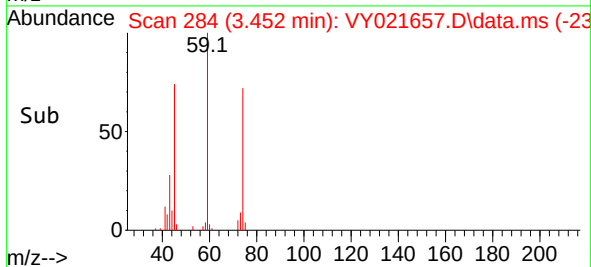
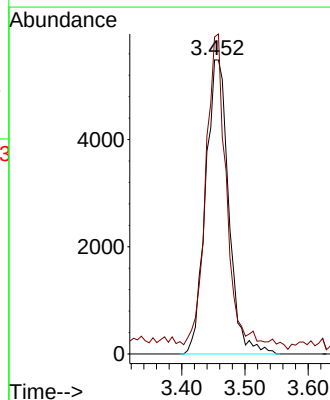
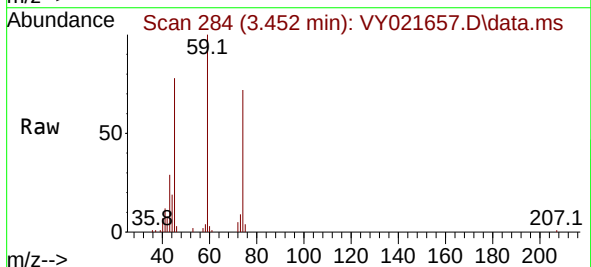
Instrument :
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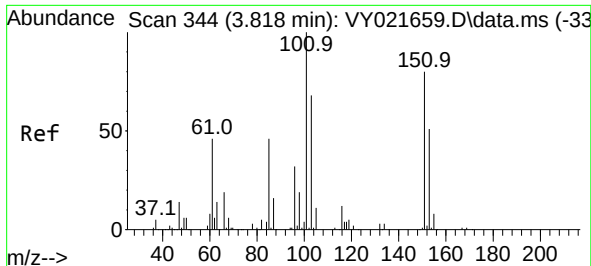
Tgt Ion:101 Resp: 50711
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.1 79.7



#8
 Diethyl Ether
 Concen: 10.765 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021657.D
 Acq: 27 Mar 2025 10:31

Tgt Ion: 74 Resp: 13940
 Ion Ratio Lower Upper
 74 100
 45 92.0 48.6 145.8

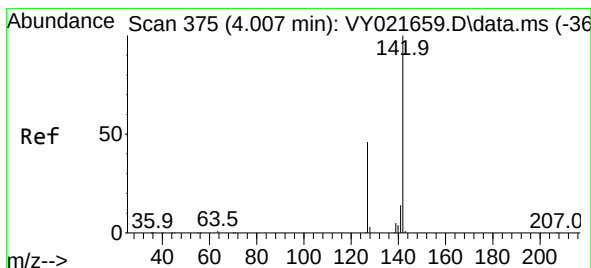
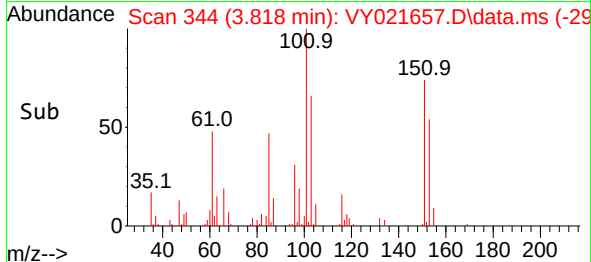
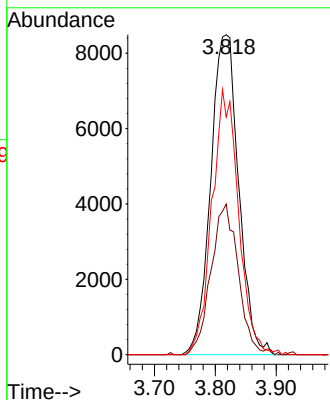
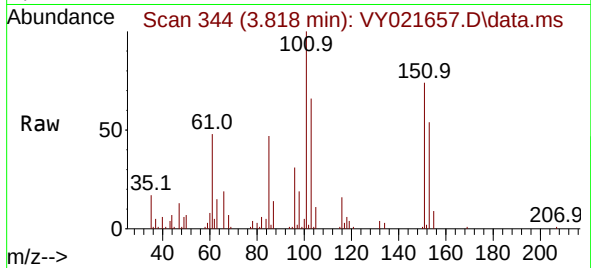




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

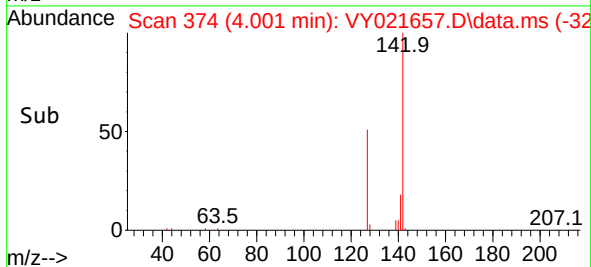
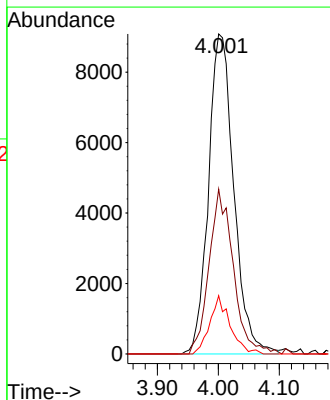
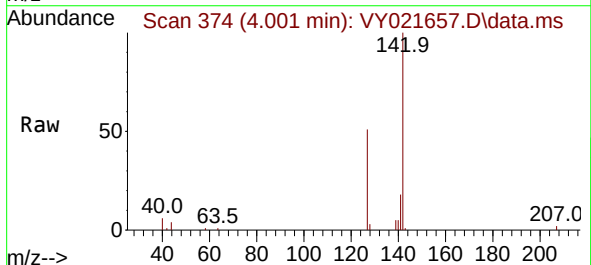
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ClientSampleId :
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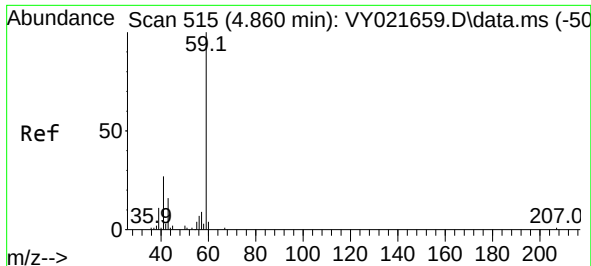
Tgt Ion:	101	Resp:	27088
Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	79.0	61.3	91.9



#10
Methyl Iodide
Concen: 9.507 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:	142	Resp:	26193
Ion	Ratio	Lower	Upper
142	100		
127	49.4	38.7	58.1
141	14.6	11.5	17.3

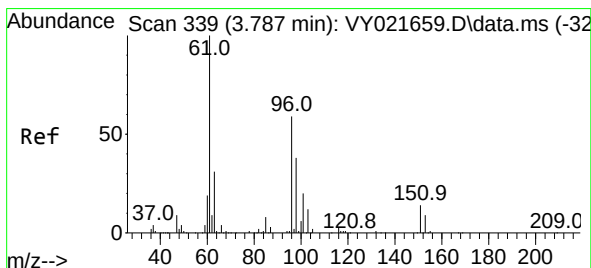
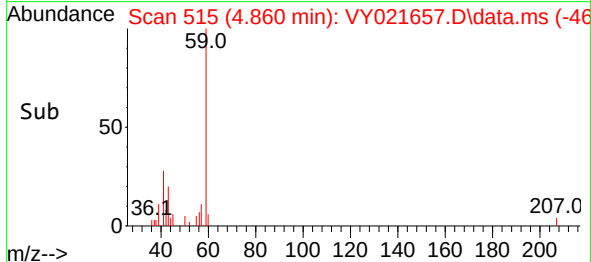
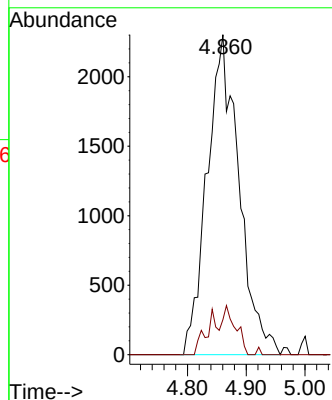
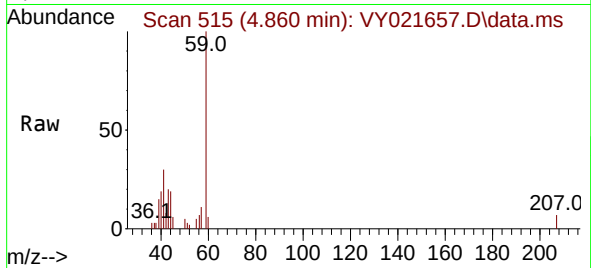




#11
Tert butyl alcohol
Concen: 54.634 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

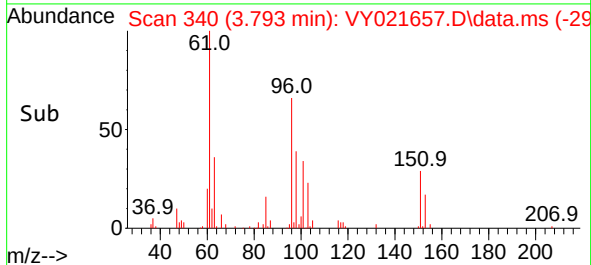
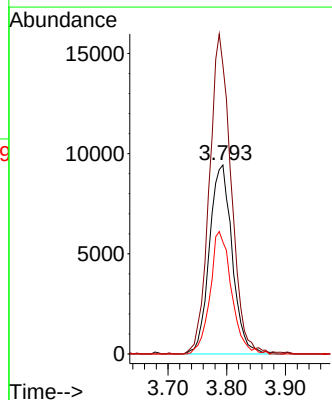
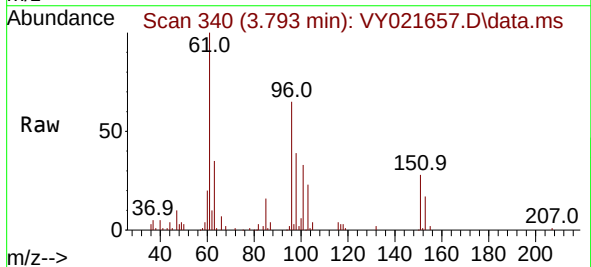
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

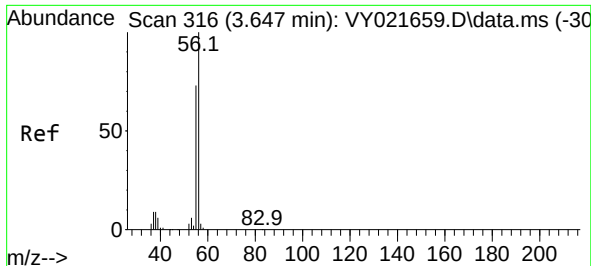
Tgt Ion: 59 Resp: 8671
Ion Ratio Lower Upper
59 100
57 6.3 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 10.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 25446
Ion Ratio Lower Upper
96 100
61 152.8 136.6 204.8
98 59.2 52.3 78.5

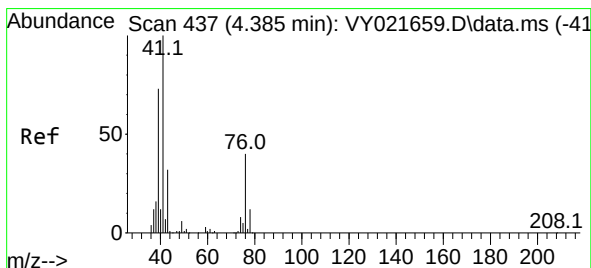
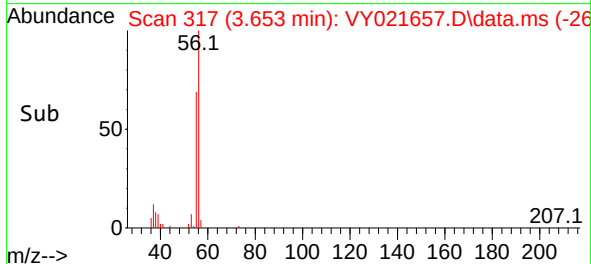
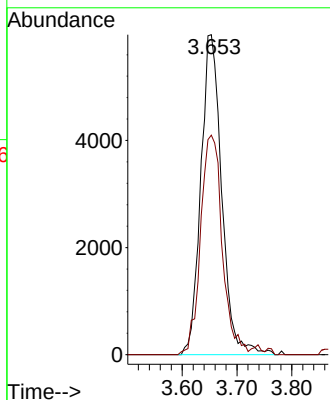
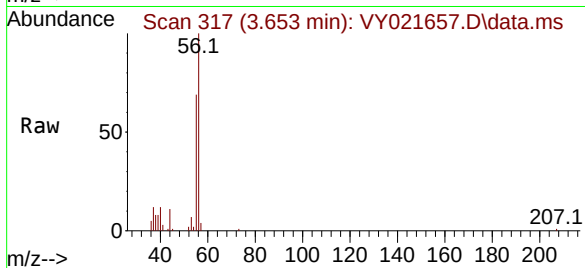




#13
Acrolein
Concen: 54.518 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

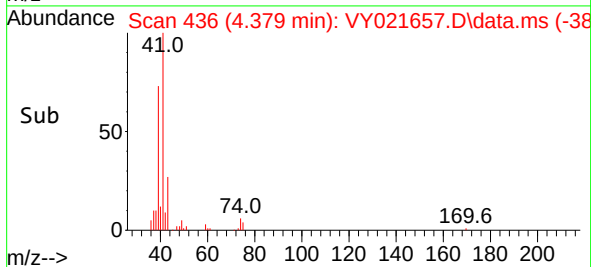
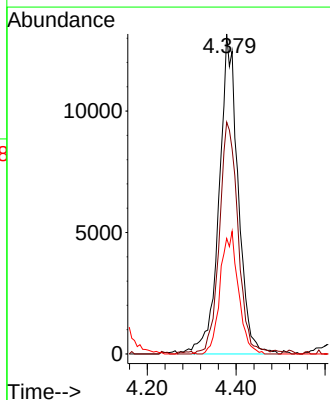
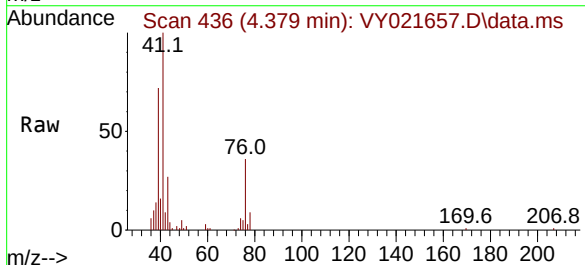
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

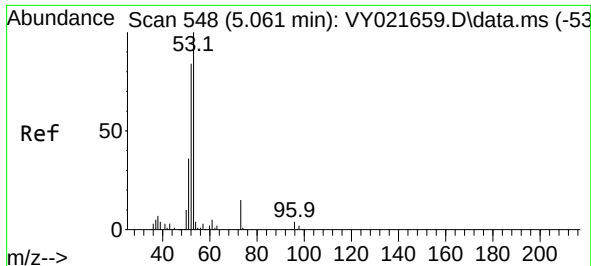
Tgt Ion: 56 Resp: 15799
Ion Ratio Lower Upper
56 100
55 71.0 56.6 85.0



#14
Allyl chloride
Concen: 10.352 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 39045
Ion Ratio Lower Upper
41 100
39 71.1 58.6 88.0
76 36.4 30.3 45.5

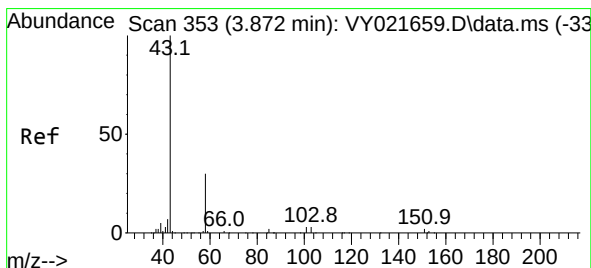
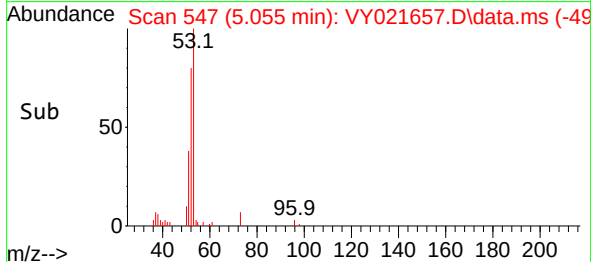
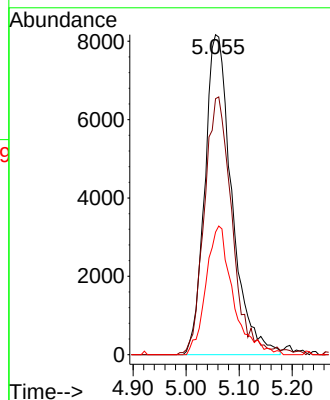
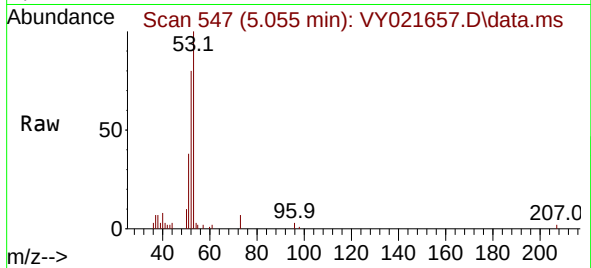




#15
Acrylonitrile
Concen: 53.389 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

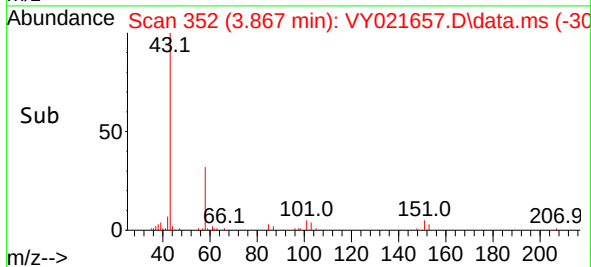
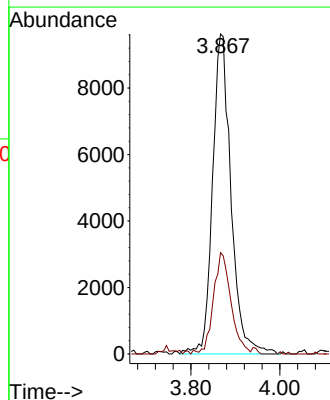
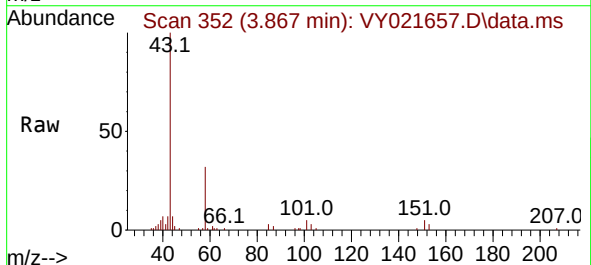
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

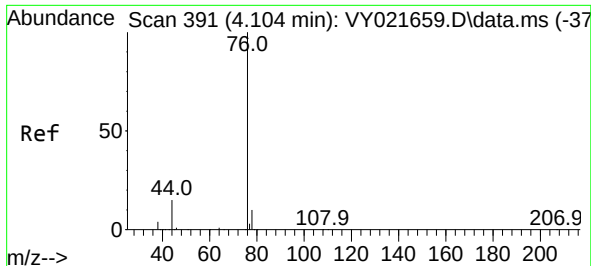
Tgt Ion: 53	Resp: 28866
Ion Ratio	Lower Upper
53 100	
52 81.9	64.9 97.3
51 40.1	30.2 45.2



#16
Acetone
Concen: 55.329 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43	Resp: 27669
Ion Ratio	Lower Upper
43 100	
58 31.0	24.2 36.4

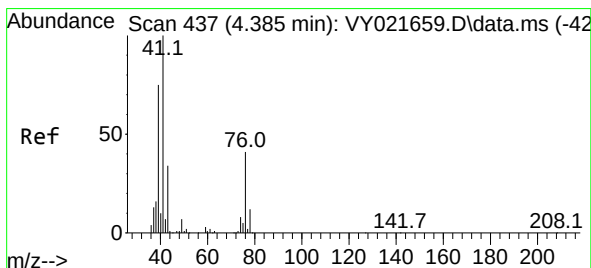
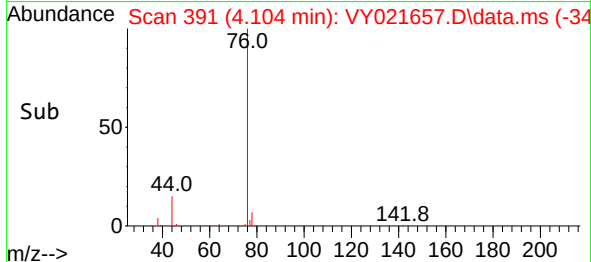
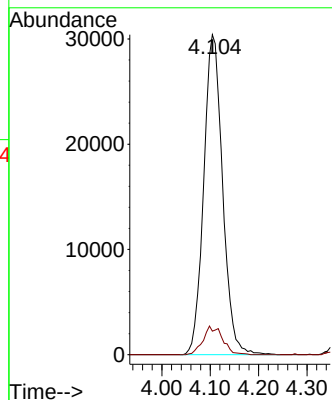
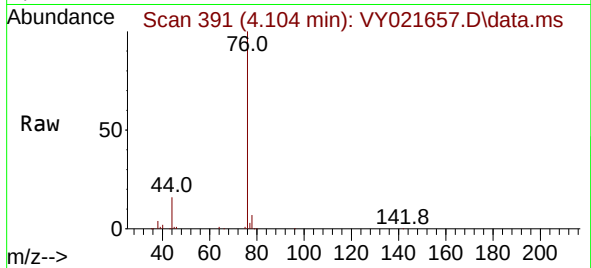




#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

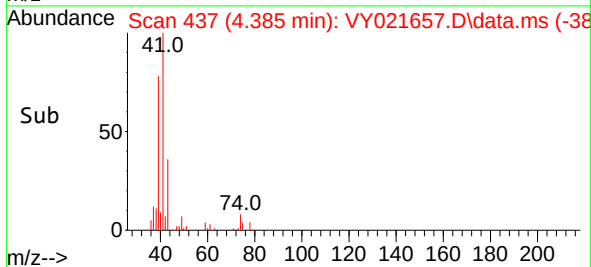
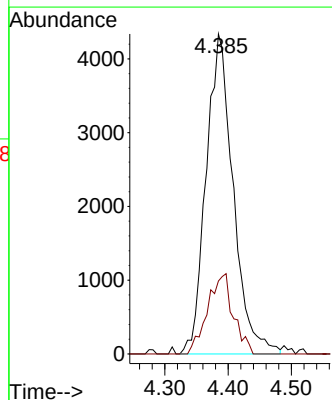
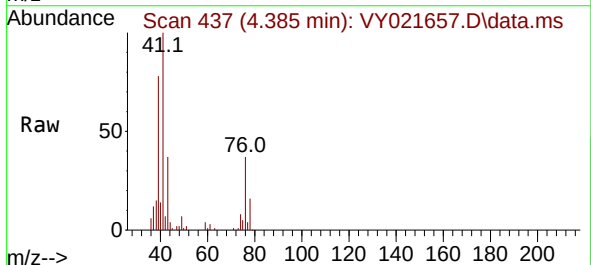
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

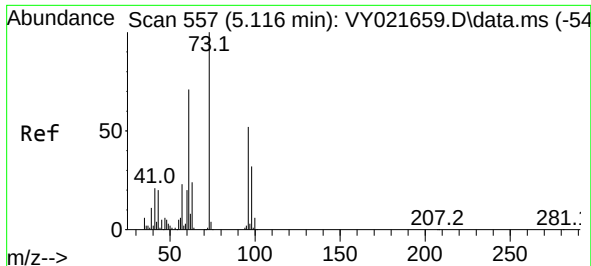
Tgt Ion: 76 Resp: 82458
Ion Ratio Lower Upper
76 100
78 7.3 7.6 11.4#



#18
Methyl Acetate
Concen: 10.417 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 12911
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 10.223 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

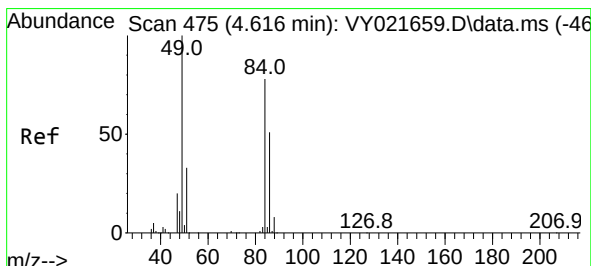
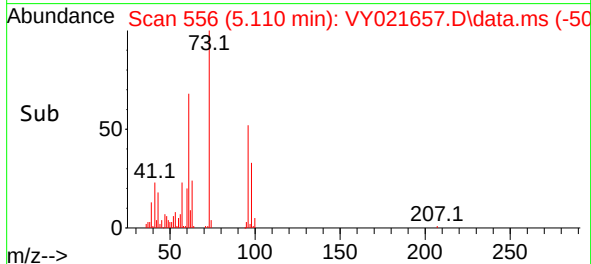
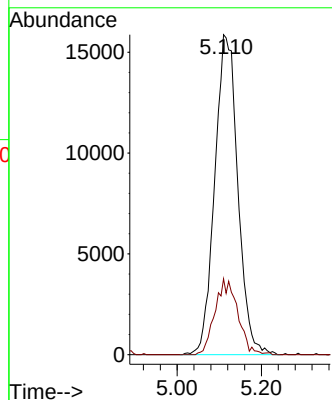
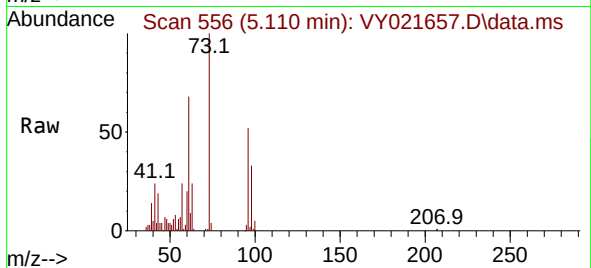
VSTDIC010

Tgt Ion: 73 Resp: 60205

Ion Ratio Lower Upper

73 100

57 23.7 18.1 27.1



#20

Methylene Chloride

Concen: 9.677 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion: 84 Resp: 31313

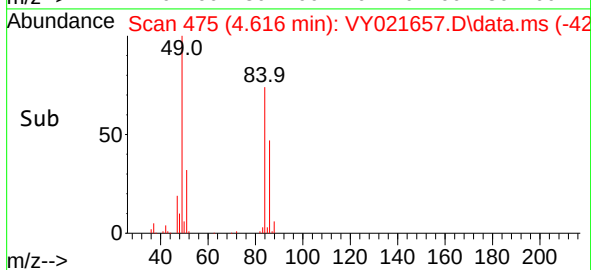
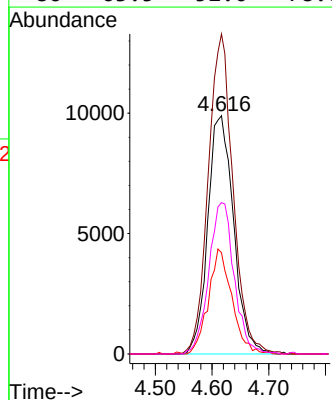
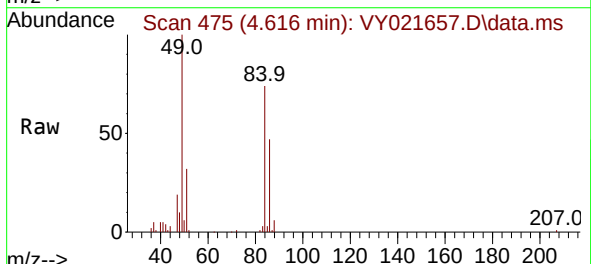
Ion Ratio Lower Upper

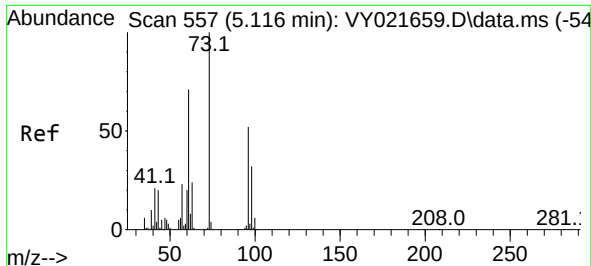
84 100

49 134.3 102.8 154.2

51 42.5 33.5 50.3

86 63.5 52.0 78.0

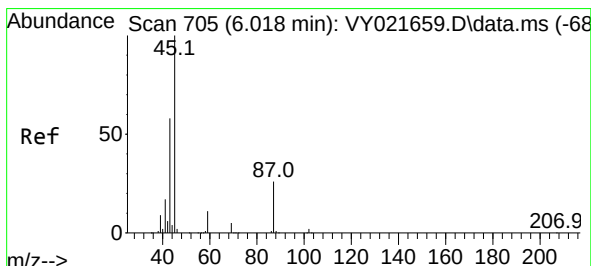
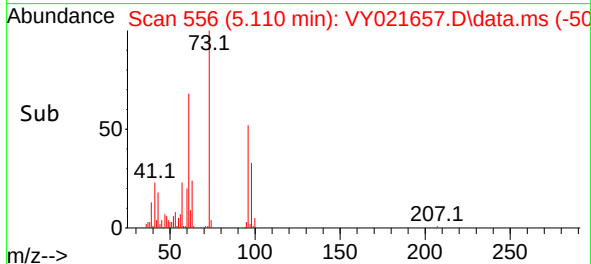
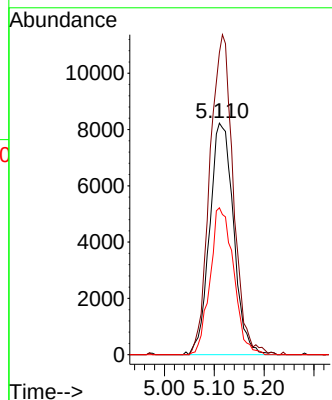
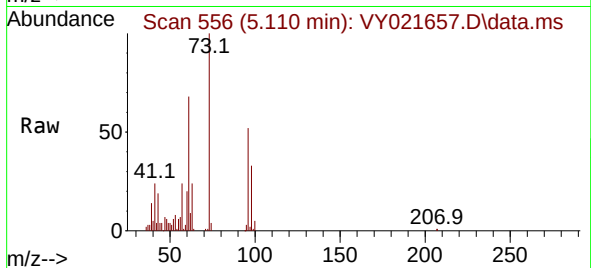




#21
trans-1,2-Dichloroethene
Concen: 10.523 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

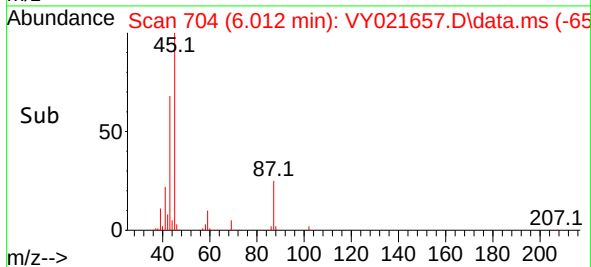
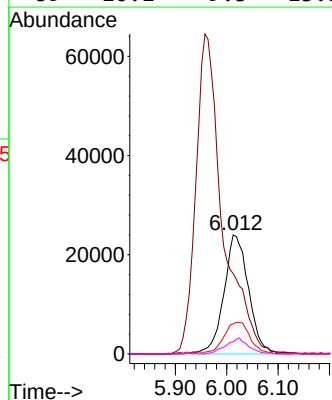
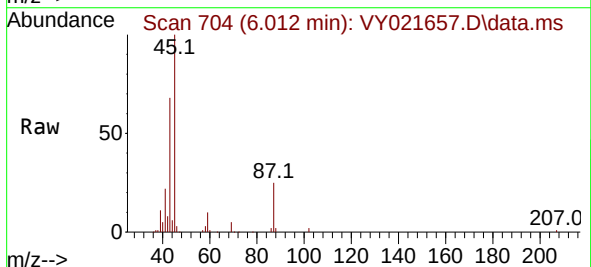
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

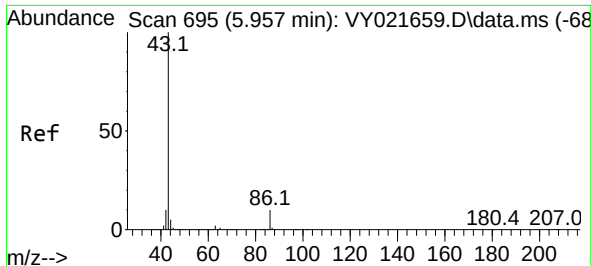
Tgt Ion: 96 Resp: 27407
Ion Ratio Lower Upper
96 100
61 130.5 109.4 164.0
98 63.5 50.2 75.2



#22
Diisopropyl ether
Concen: 10.095 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 45 Resp: 79874
Ion Ratio Lower Upper
45 100
43 66.0 46.6 69.8
87 24.9 20.7 31.1
59 10.1 9.3 13.9

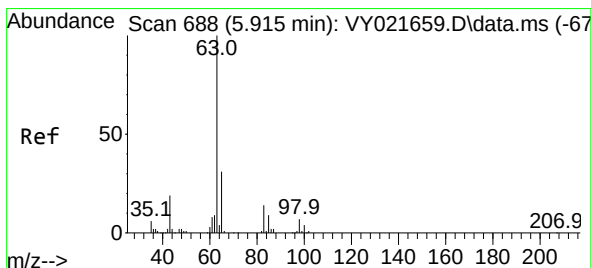
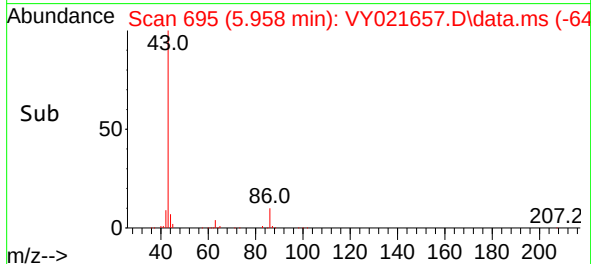
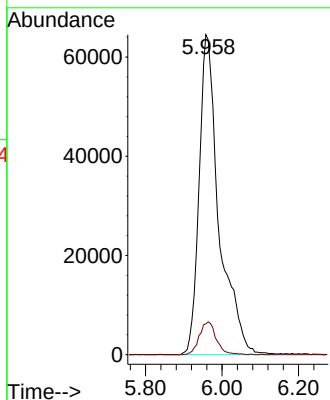
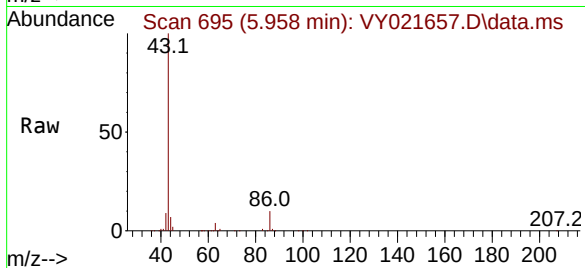




#23
 Vinyl Acetate
 Concen: 50.469 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021657.D
 Acq: 27 Mar 2025 10:31

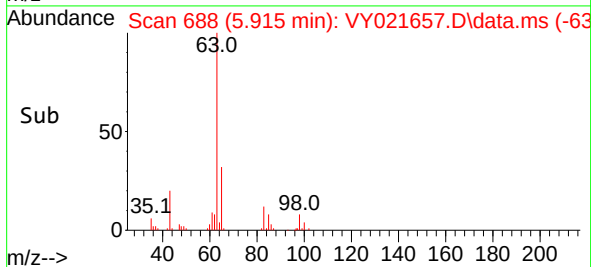
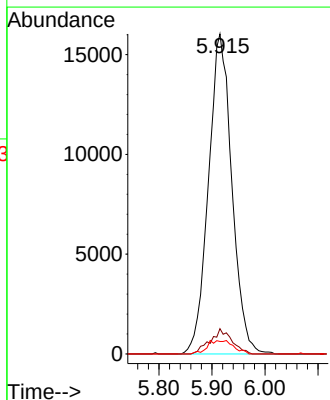
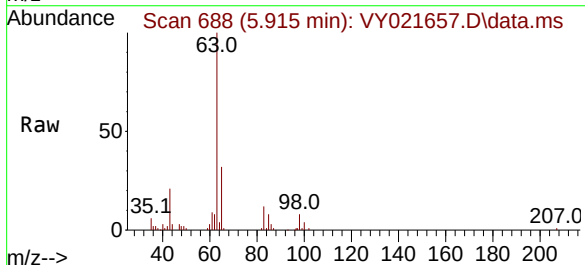
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

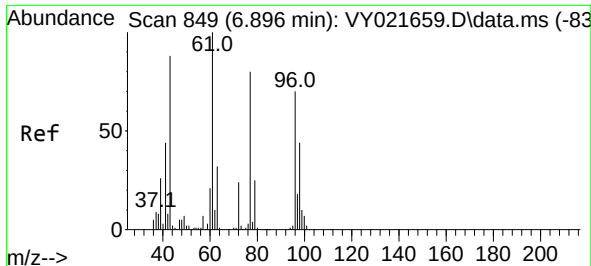
Tgt Ion: 43 Resp: 233596
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 10.403 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021657.D
 Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 49217
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.5 10.5
 100 3.9 2.2 6.6

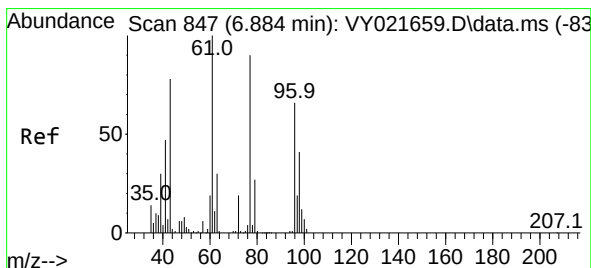
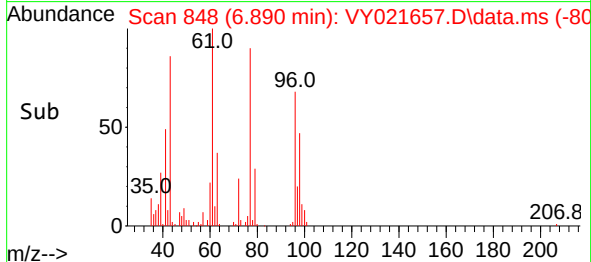
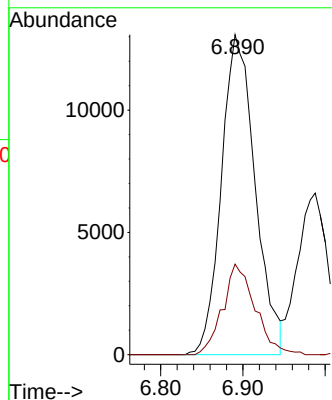
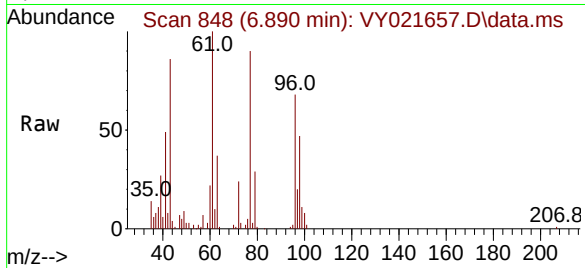




#25
2-Butanone
Concen: 52.299 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

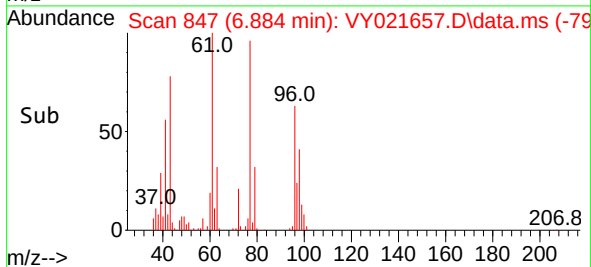
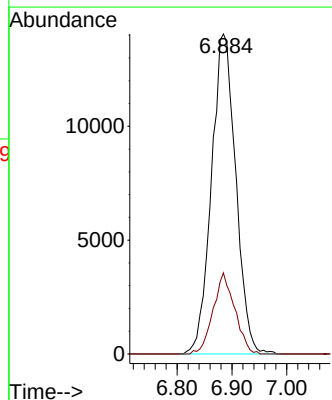
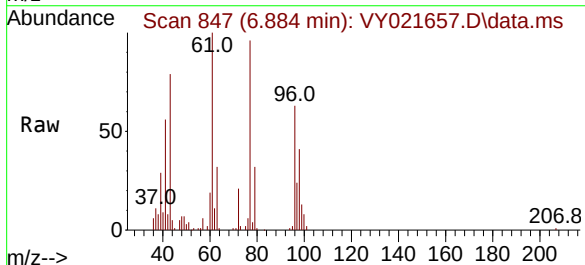
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

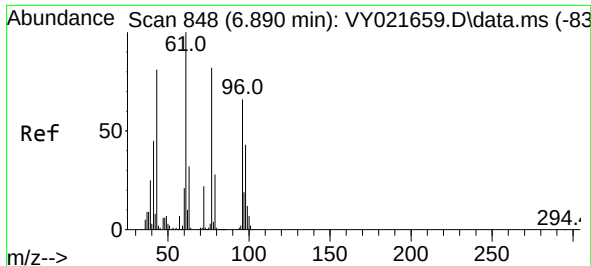
Tgt Ion: 43 Resp: 37356
Ion Ratio Lower Upper
43 100
72 28.3 21.4 32.2



#26
2,2-Dichloropropane
Concen: 10.316 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 77 Resp: 43412
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 10.140 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

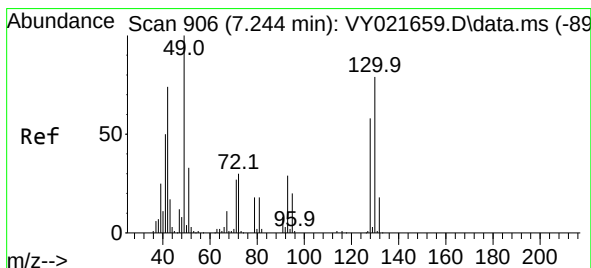
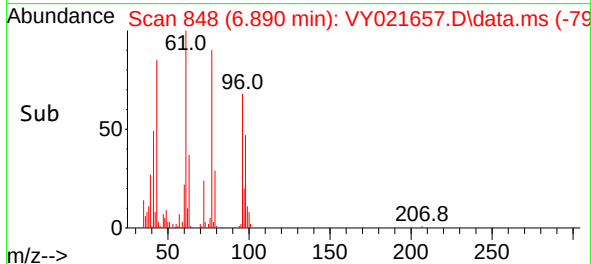
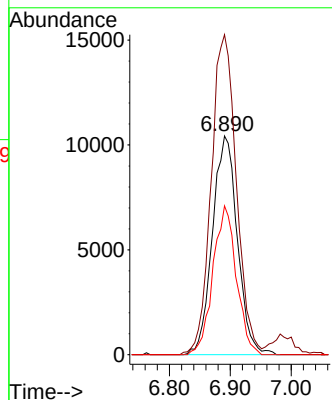
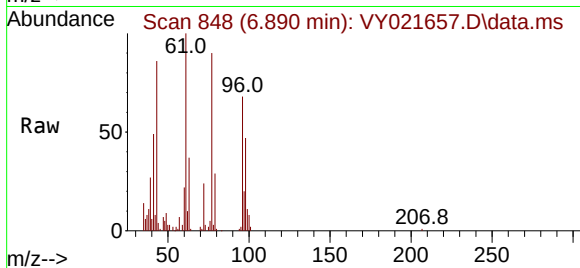
Tgt Ion: 96 Resp: 29699

Ion Ratio Lower Upper

96 100

61 147.4 0.0 296.4

98 63.9 0.0 128.0



#28

Bromochloromethane

Concen: 10.618 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

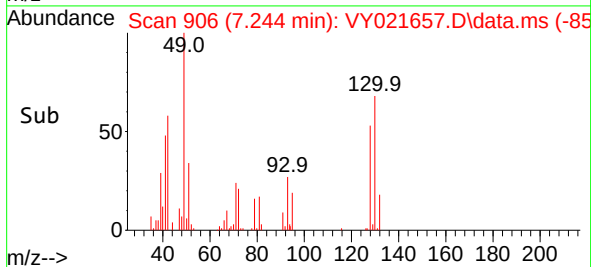
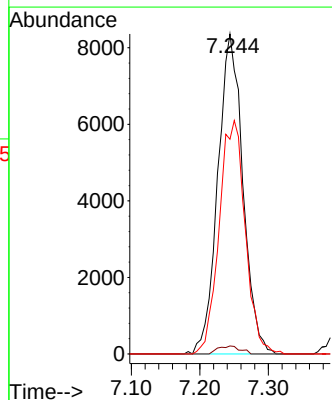
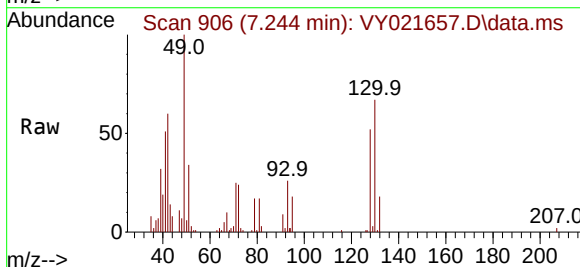
Tgt Ion: 49 Resp: 21186

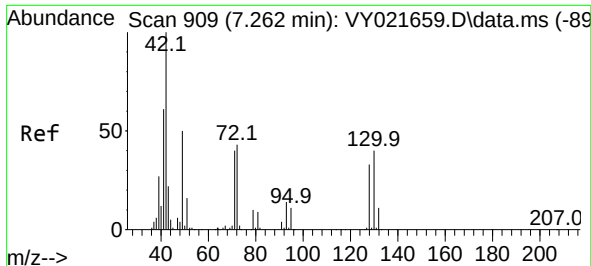
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 75.9 60.1 90.1





#29

Tetrahydrofuran

Concen: 54.625 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

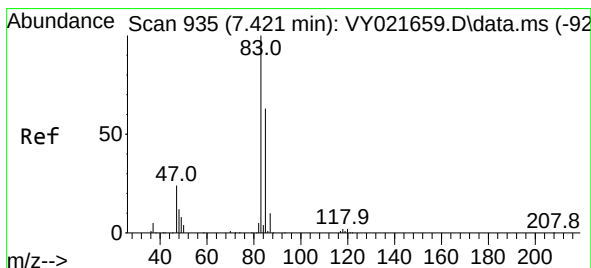
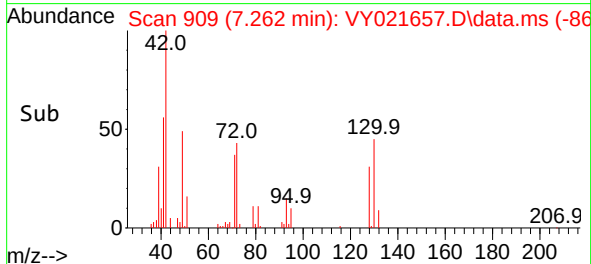
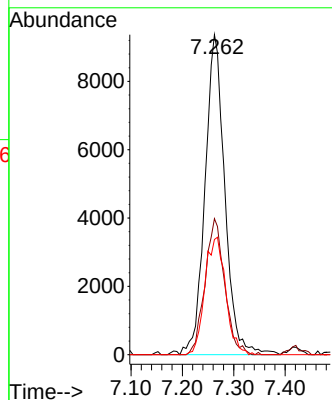
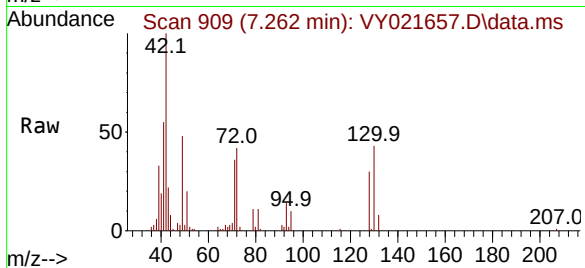
Tgt Ion: 42 Resp: 25111

Ion Ratio Lower Upper

42 100

72 41.9 34.6 52.0

71 38.5 32.5 48.7



#30

Chloroform

Concen: 10.459 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021657.D

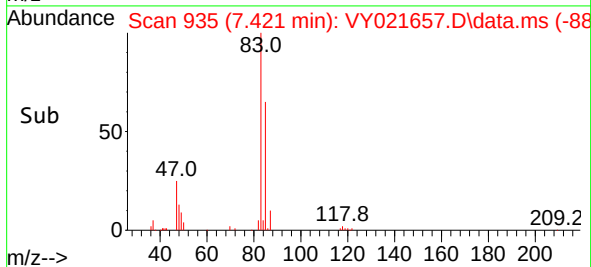
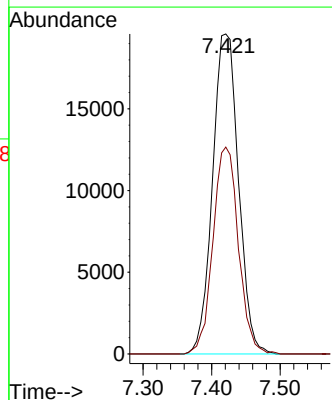
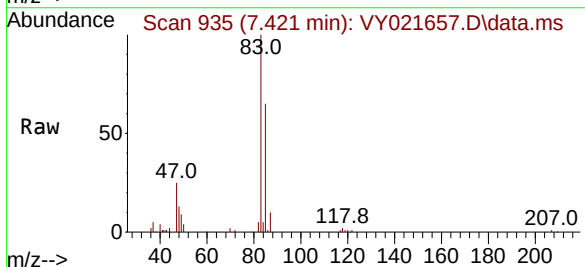
Acq: 27 Mar 2025 10:31

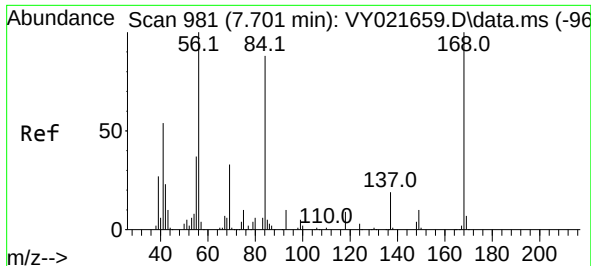
Tgt Ion: 83 Resp: 51464

Ion Ratio Lower Upper

83 100

85 64.6 50.6 75.8

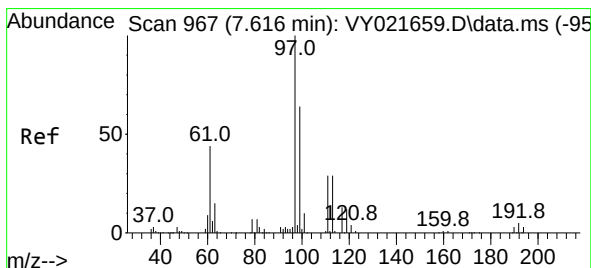
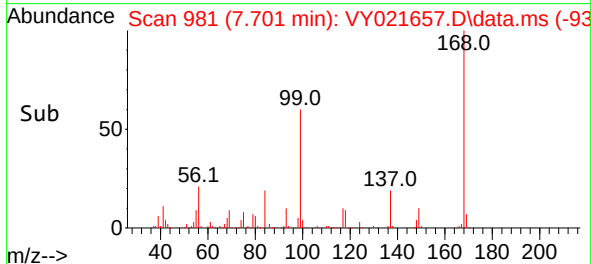
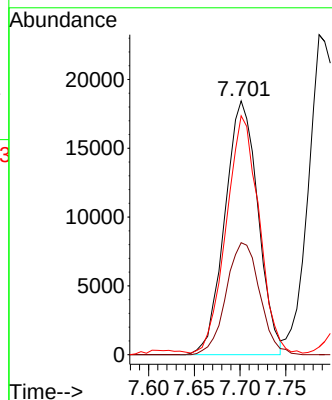
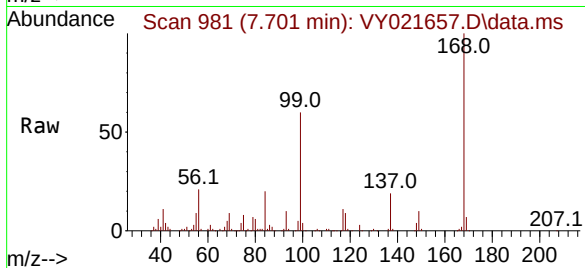




#31
Cyclohexane
Concen: 10.798 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

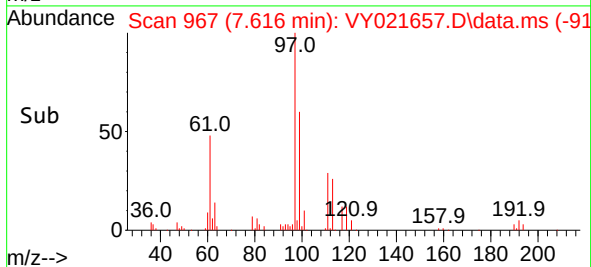
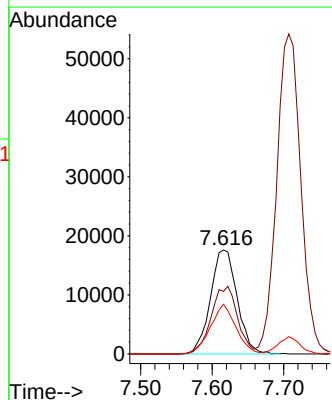
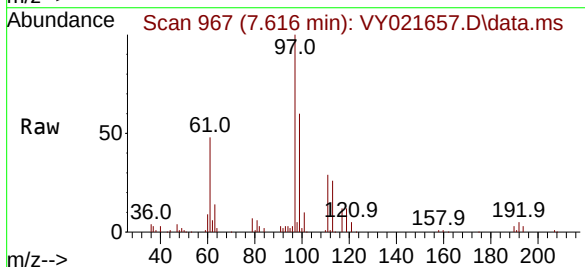
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

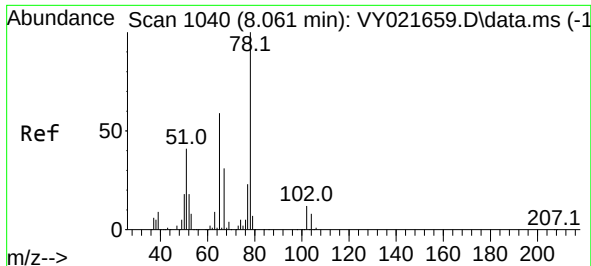
Tgt Ion: 56 Resp: 46569
Ion Ratio Lower Upper
56 100
69 44.1 26.6 40.0#
84 92.8 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 10.270 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 45673
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 45.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 10.311 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

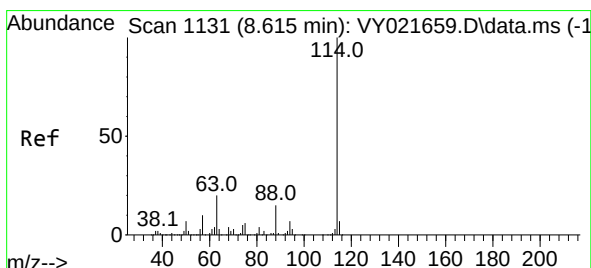
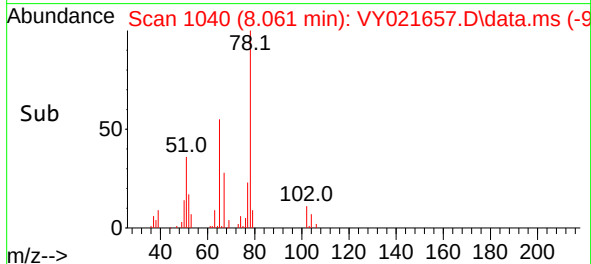
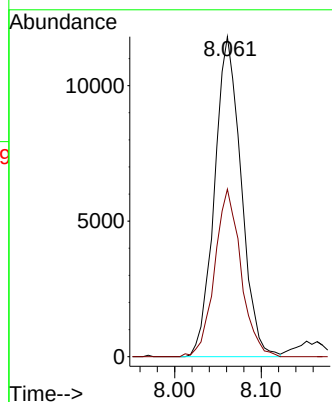
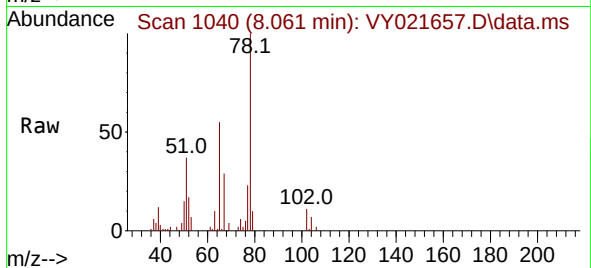
VSTDIC010

Tgt Ion: 65 Resp: 25195

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

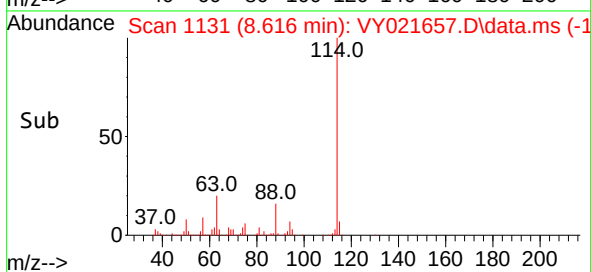
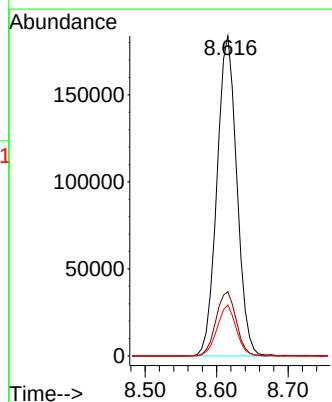
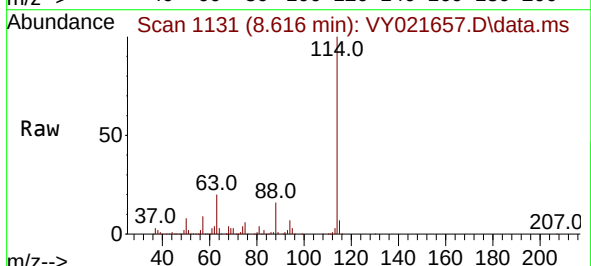
Tgt Ion: 114 Resp: 354785

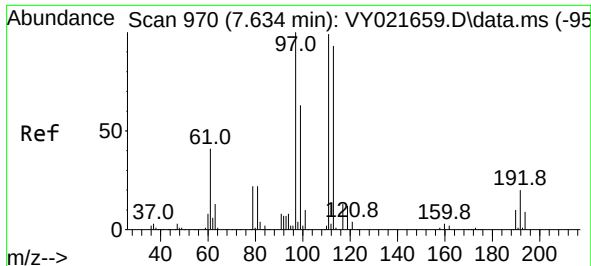
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.9 0.0 29.8

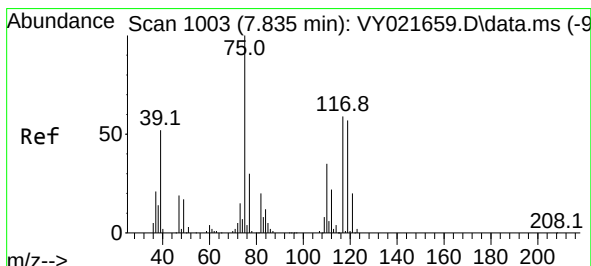
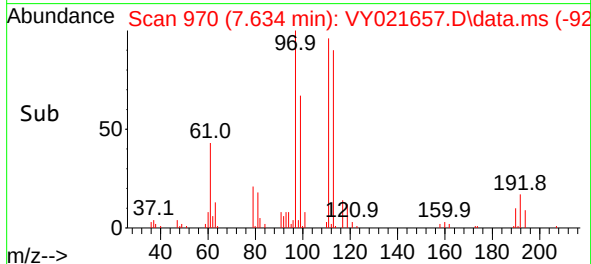
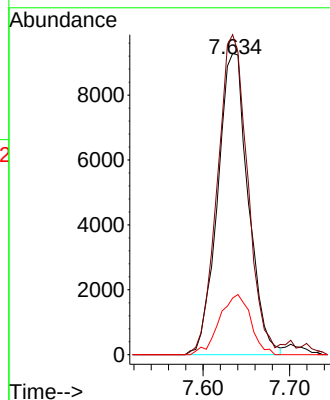
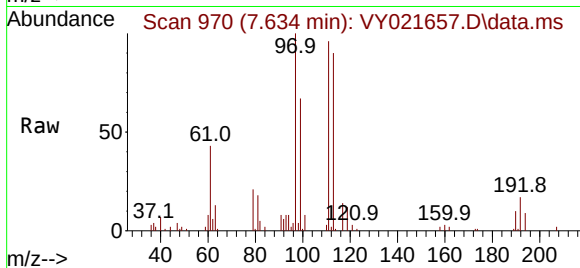




#35
Dibromofluoromethane
Concen: 9.906 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

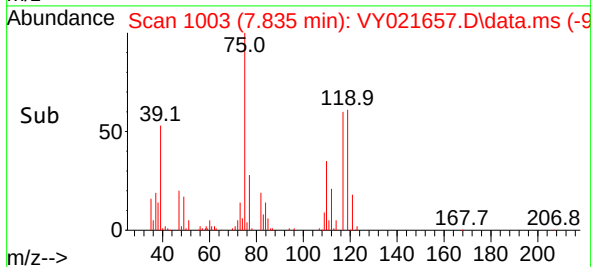
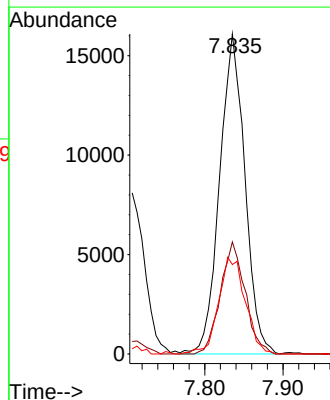
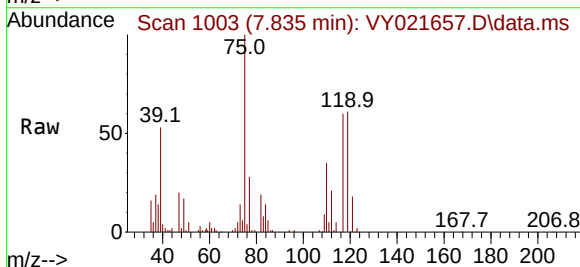
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

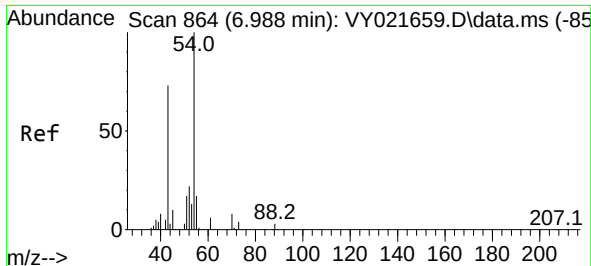
Tgt Ion:113 Resp: 22797
Ion Ratio Lower Upper
113 100
111 105.8 82.6 123.8
192 20.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 10.304 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 36121
Ion Ratio Lower Upper
75 100
110 34.2 17.0 50.9
77 32.0 24.8 37.2





#37

Ethyl Acetate

Concen: 10.969 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

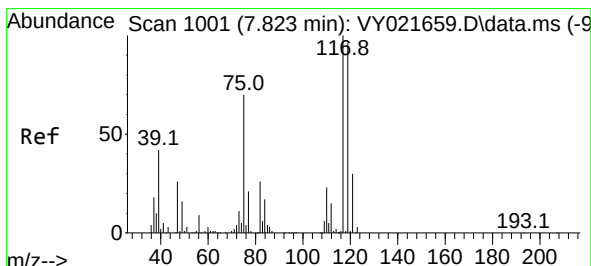
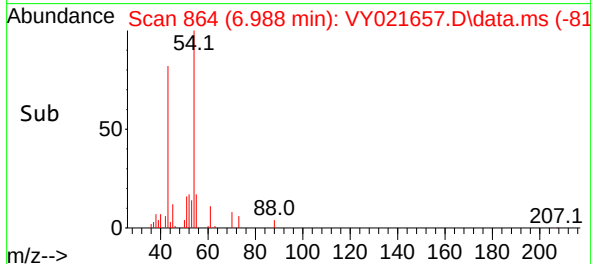
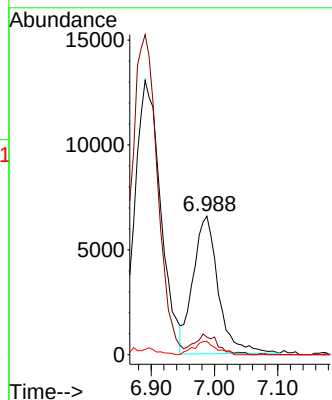
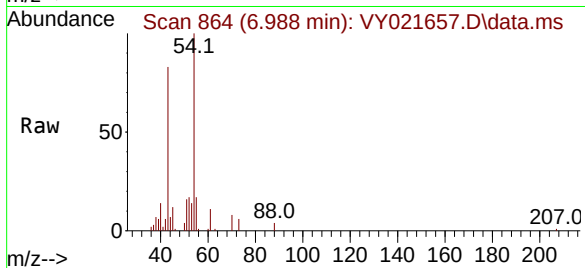
Tgt Ion: 43 Resp: 18146

Ion Ratio Lower Upper

43 100

61 14.0 11.0 16.6

70 8.8 8.1 12.1



#38

Carbon Tetrachloride

Concen: 10.496 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

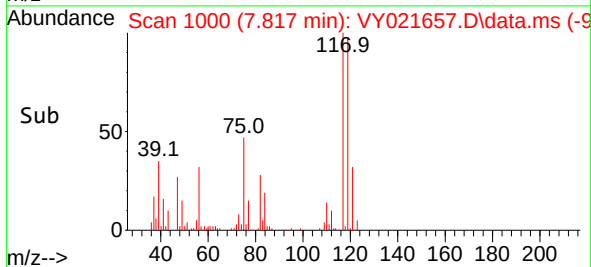
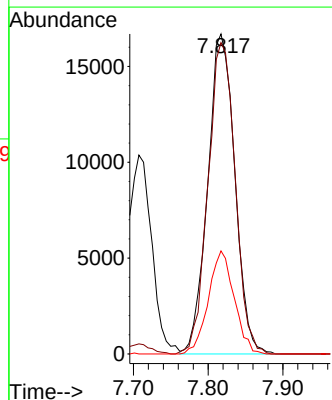
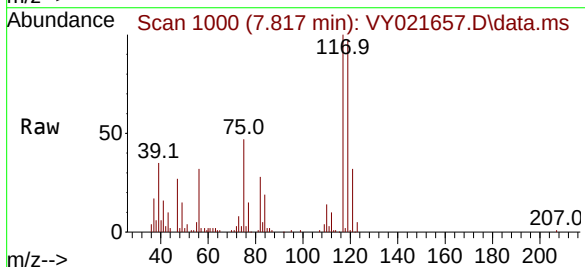
Tgt Ion: 117 Resp: 42141

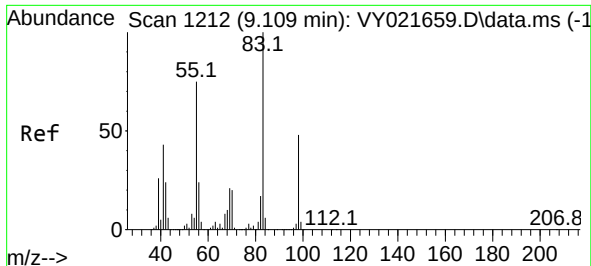
Ion Ratio Lower Upper

117 100

119 97.3 76.2 114.4

121 32.2 24.2 36.4

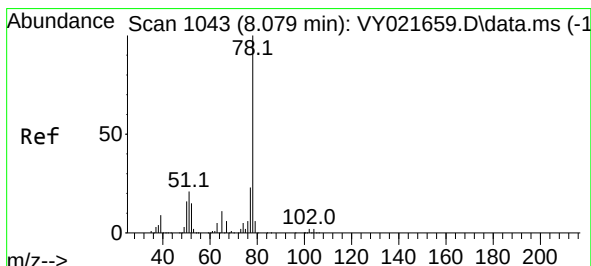
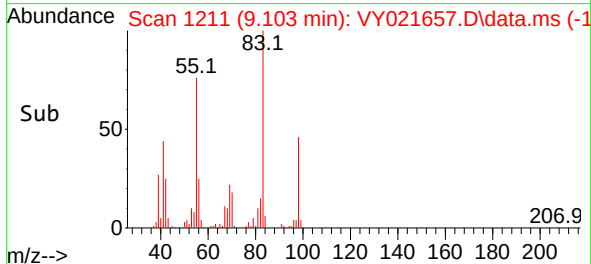
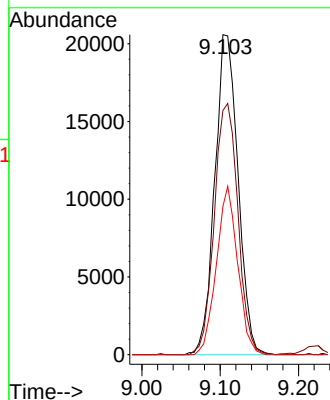
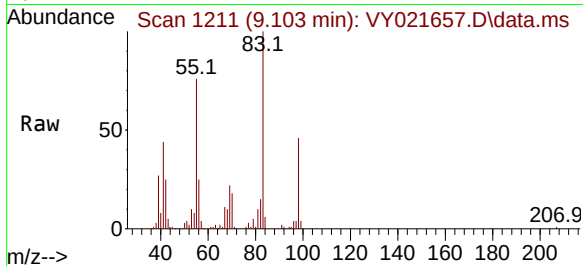




#39
Methylcyclohexane
Concen: 10.147 ug/l
RT: 9.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

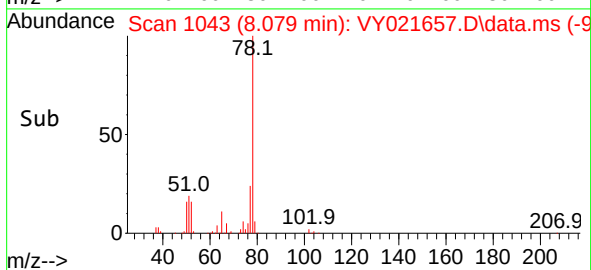
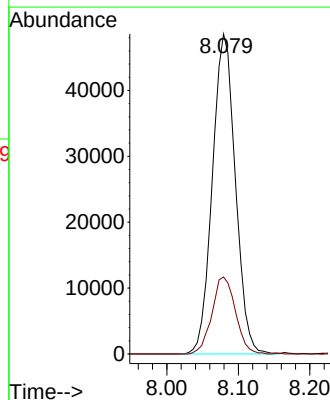
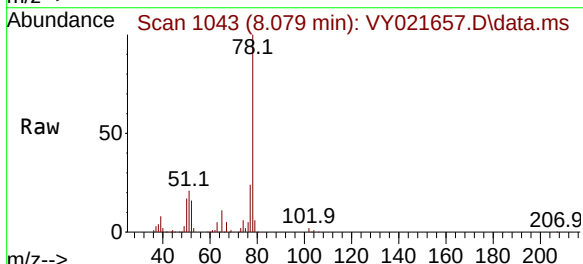
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

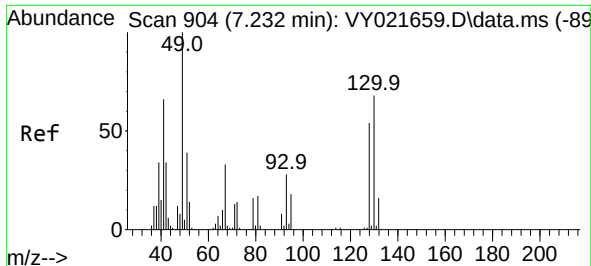
Tgt Ion:	83	Resp:	42492
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	46.3	38.3	57.5



#40
Benzene
Concen: 10.322 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

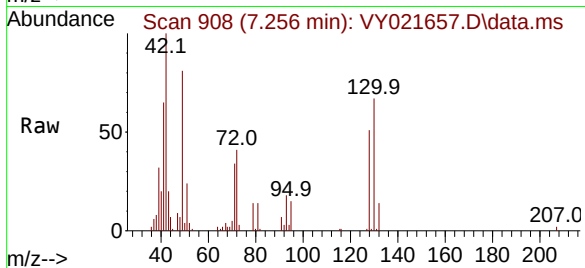
Tgt Ion:	78	Resp:	108360
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



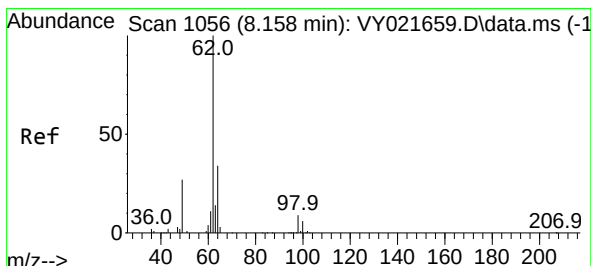
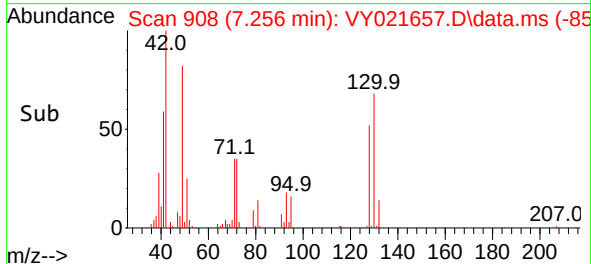
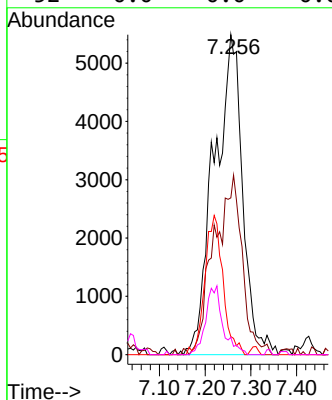


#41
Methacrylonitrile
Concen: 26.988 ug/l
RT: 7.256 min Scan# 904
Delta R.T. 0.025 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

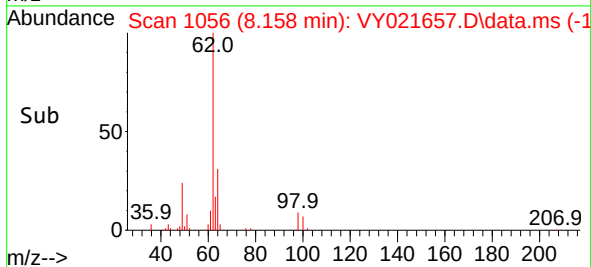
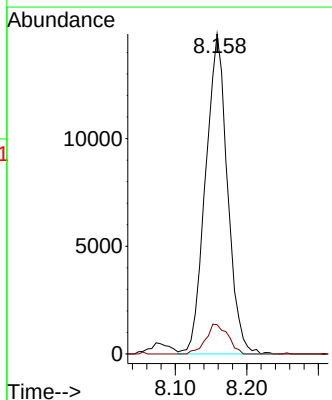
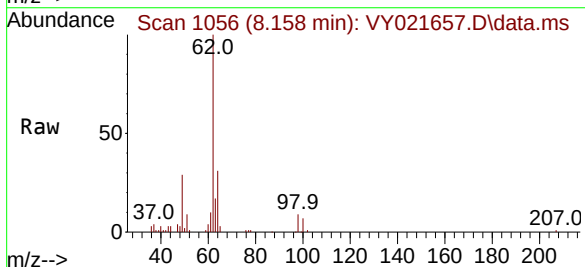


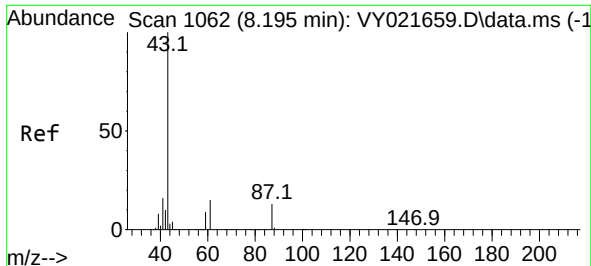
Tgt Ion:	41	Resp:	23709
Ion	Ratio	Lower	Upper
41	100		
39	55.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 10.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:	62	Resp:	31606
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

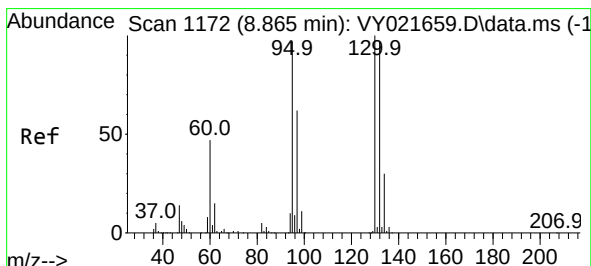
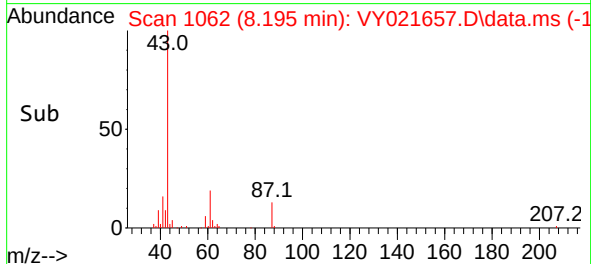
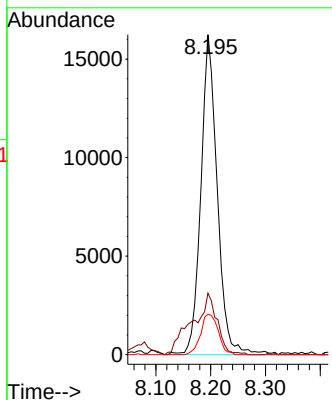
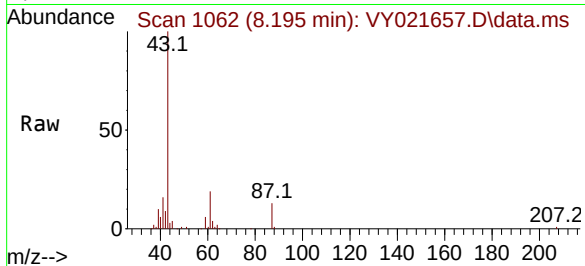




#43
Isopropyl Acetate
Concen: 10.738 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

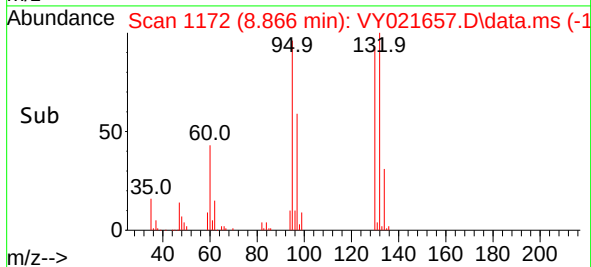
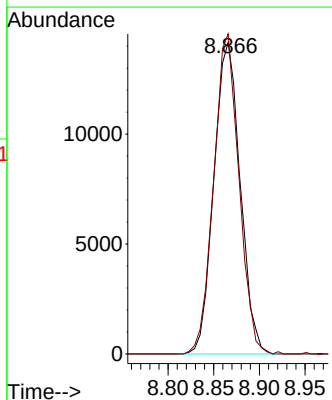
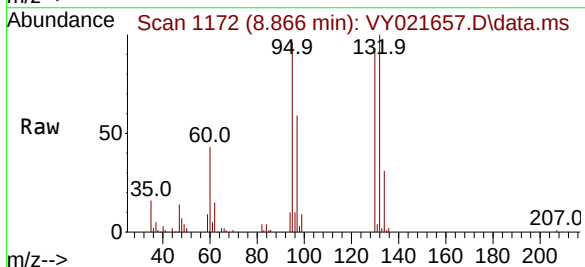
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

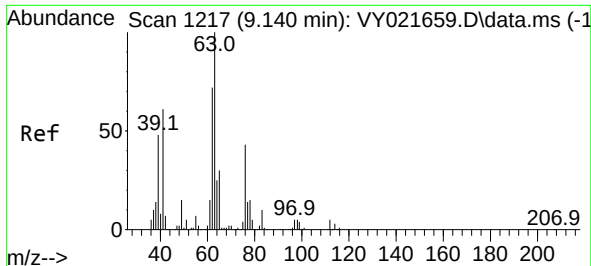
Tgt Ion: 43 Resp: 33664
Ion Ratio Lower Upper
43 100
61 29.1 15.9 23.9#
87 13.6 10.4 15.6



#44
Trichloroethene
Concen: 10.571 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:130 Resp: 28275
Ion Ratio Lower Upper
130 100
95 102.8 0.0 194.8





#45

1,2-Dichloropropane

Concen: 10.440 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

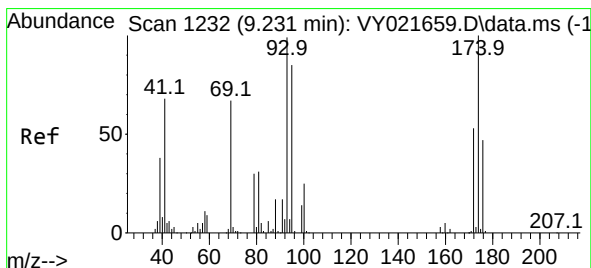
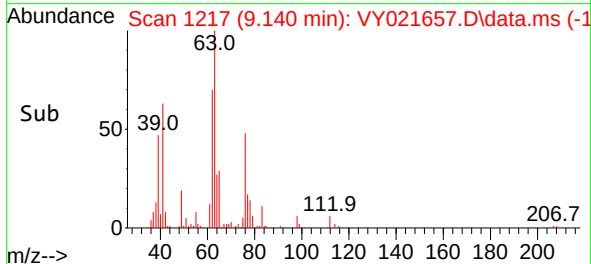
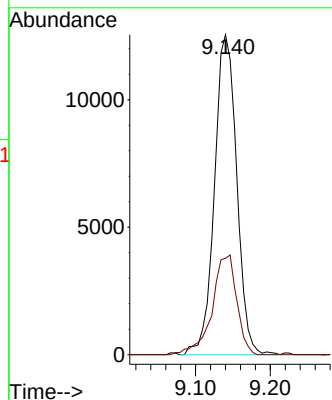
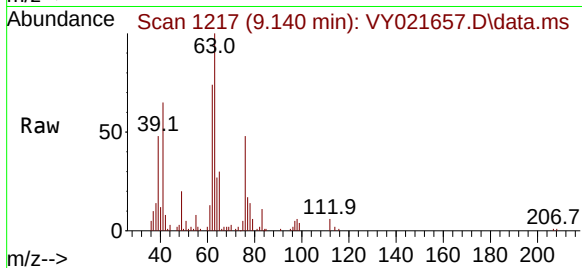
VSTDIC010

Tgt Ion: 63 Resp: 25943

Ion Ratio Lower Upper

63 100

65 30.1 24.4 36.6



#46

Dibromomethane

Concen: 10.896 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

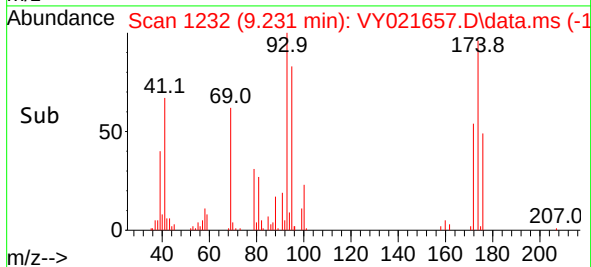
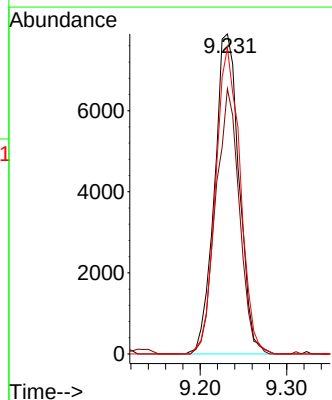
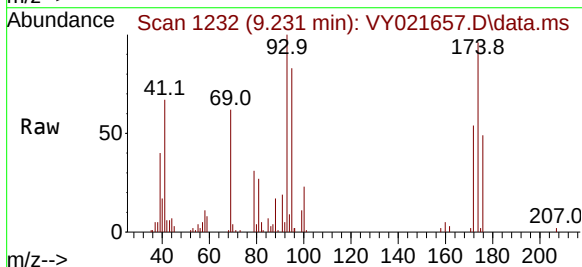
Tgt Ion: 93 Resp: 15605

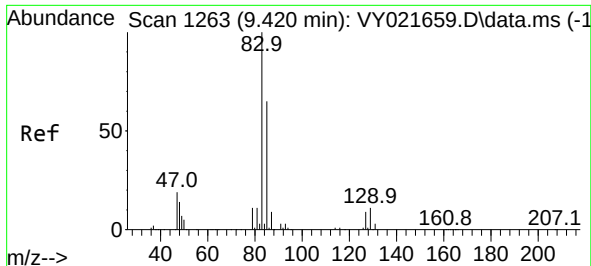
Ion Ratio Lower Upper

93 100

95 79.3 68.1 102.1

174 95.5 80.9 121.3

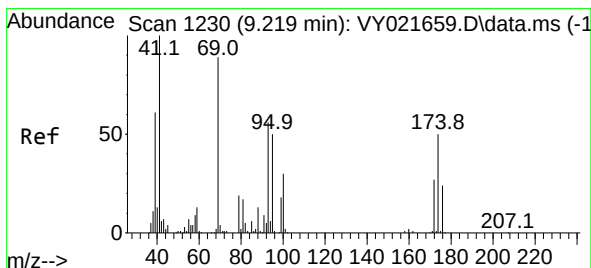
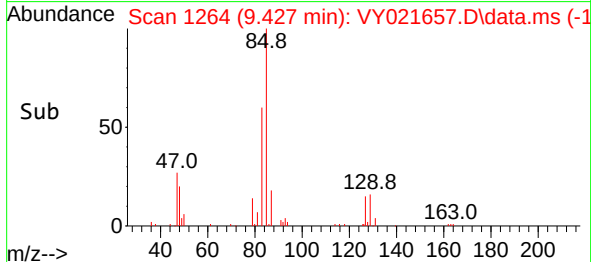
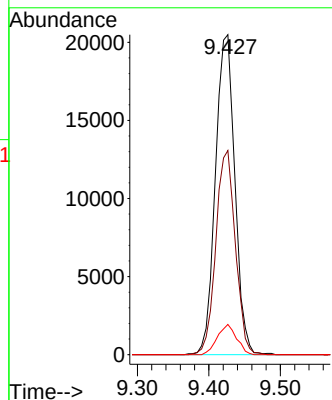
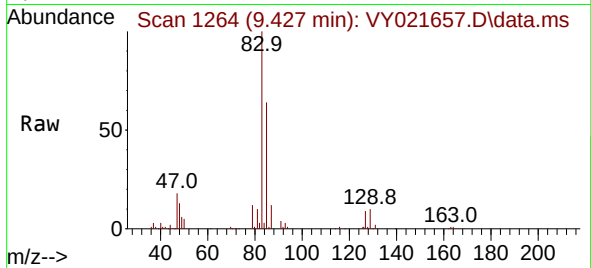




#47
Bromodichloromethane
Concen: 10.439 ug/l
RT: 9.427 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

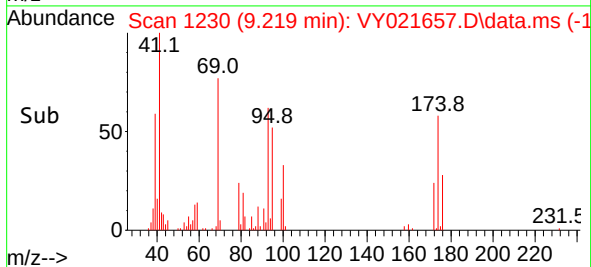
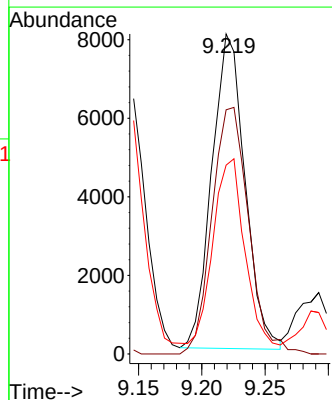
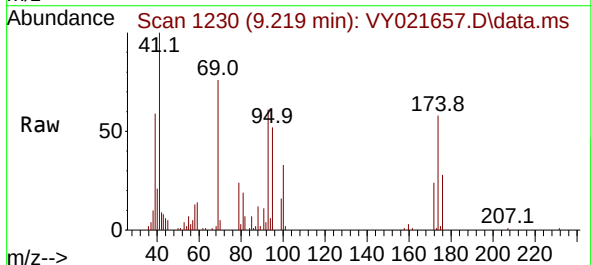
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

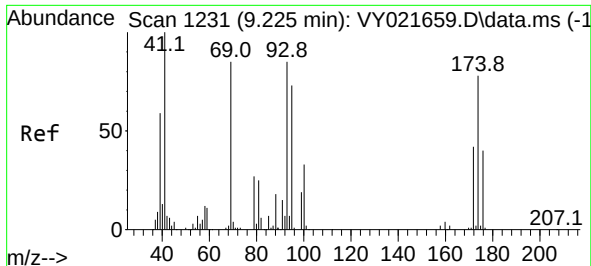
Tgt Ion: 83 Resp: 38737
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.6
127 9.5 6.8 10.2



#48
Methyl methacrylate
Concen: 10.130 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 14576
Ion Ratio Lower Upper
41 100
69 86.5 69.8 104.8
39 56.4 47.2 70.8





#49

1,4-Dioxane

Concen: 200.565 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

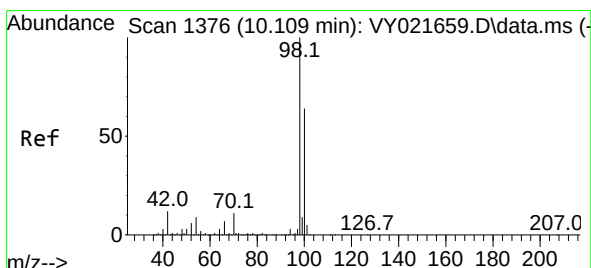
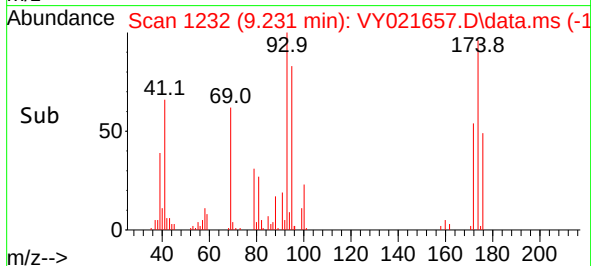
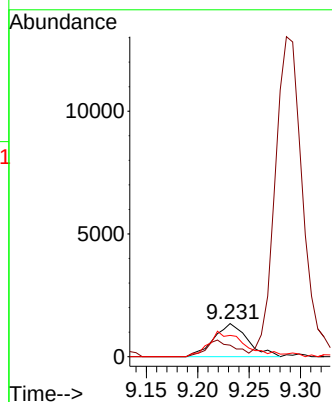
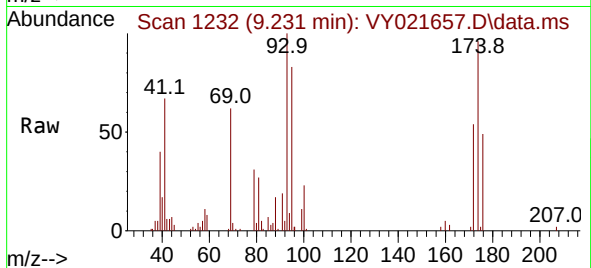
Tgt Ion: 88 Resp: 3077

Ion Ratio Lower Upper

88 100

43 41.4 28.8 43.2

58 85.0 59.4 89.2



#50

Toluene-d8

Concen: 10.051 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021657.D

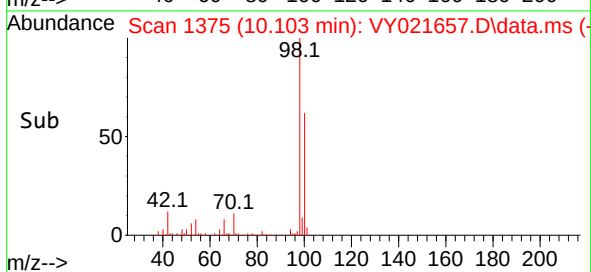
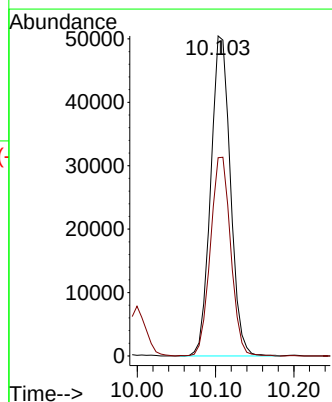
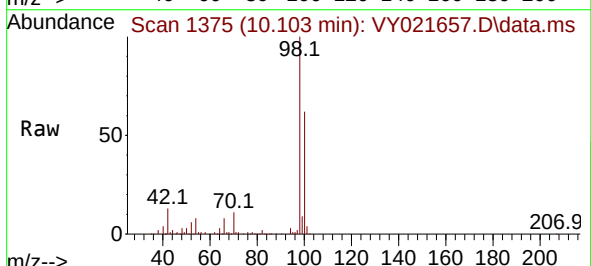
Acq: 27 Mar 2025 10:31

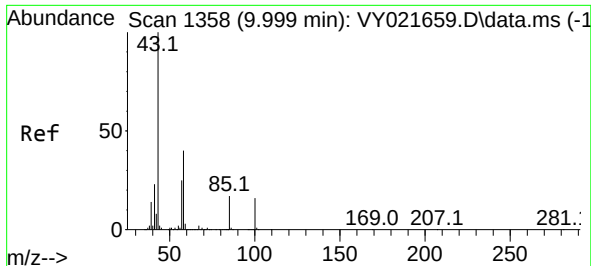
Tgt Ion: 98 Resp: 88000

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 52.111 ug/l

RT: 10.000 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

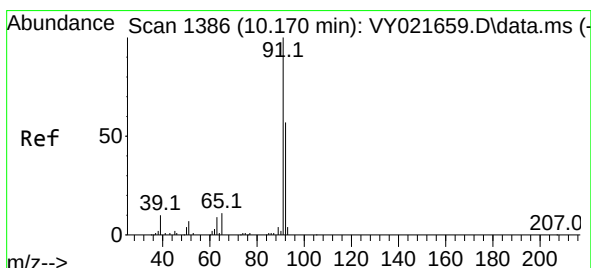
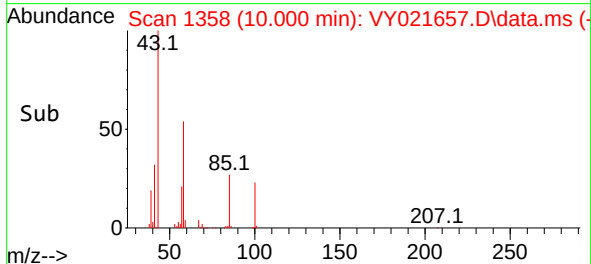
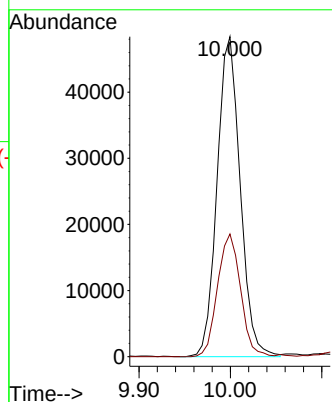
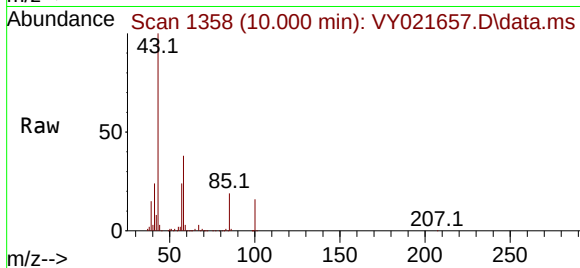
VSTDICC010

Tgt Ion: 43 Resp: 85020

Ion Ratio Lower Upper

43 100

58 38.2 31.5 47.3



#52

Toluene

Concen: 10.212 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021657.D

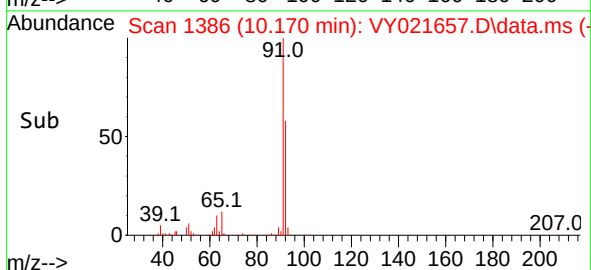
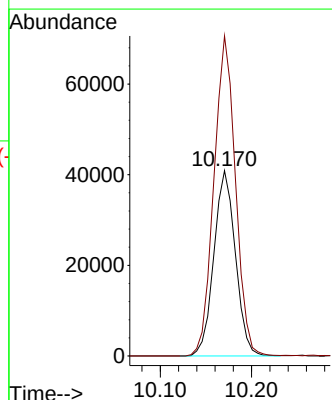
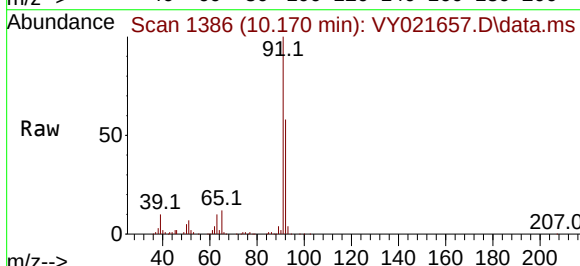
Acq: 27 Mar 2025 10:31

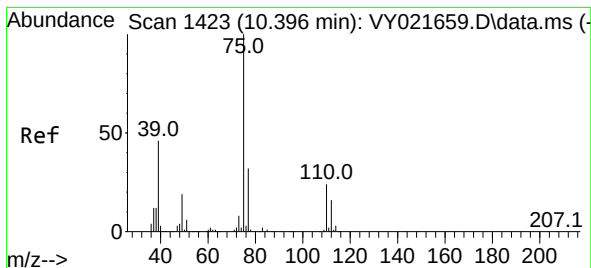
Tgt Ion: 92 Resp: 66889

Ion Ratio Lower Upper

92 100

91 173.2 138.6 207.8

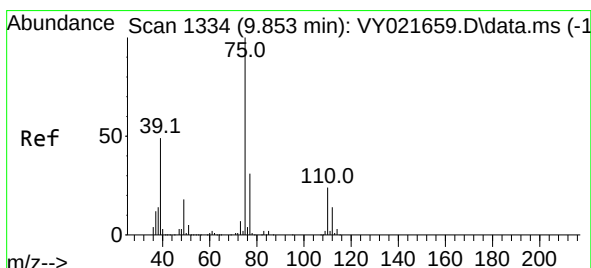
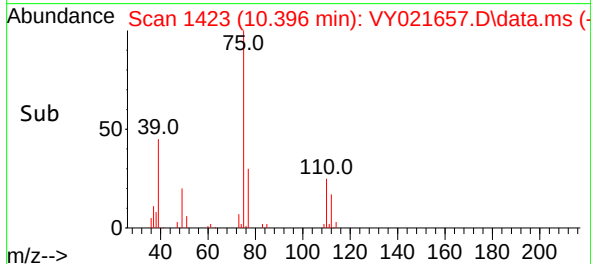
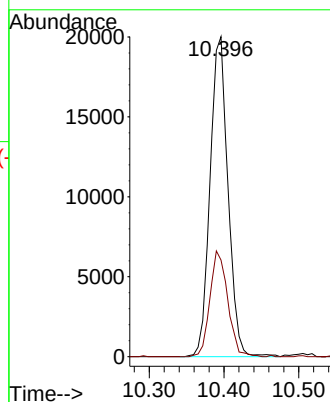
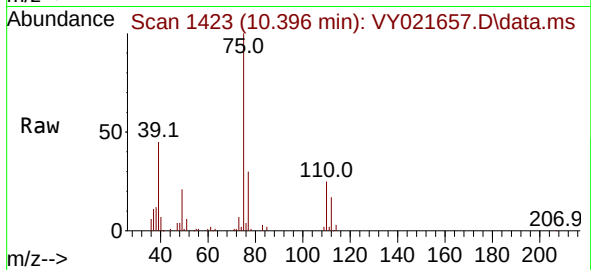




#53
t-1,3-Dichloropropene
Concen: 10.120 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

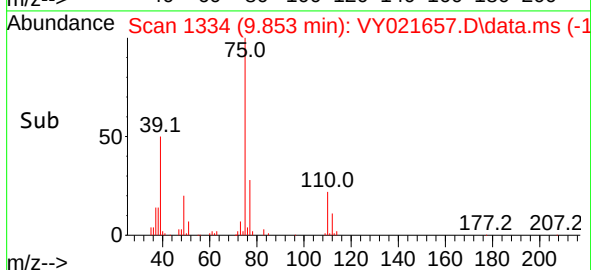
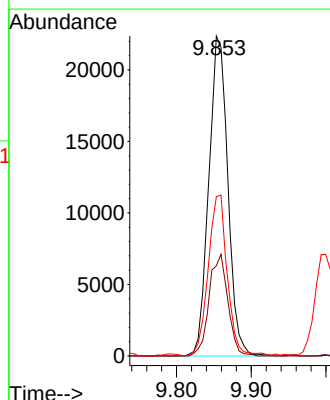
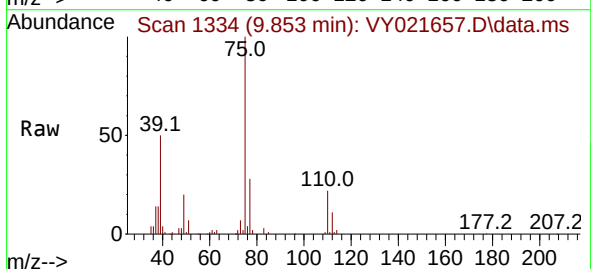
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

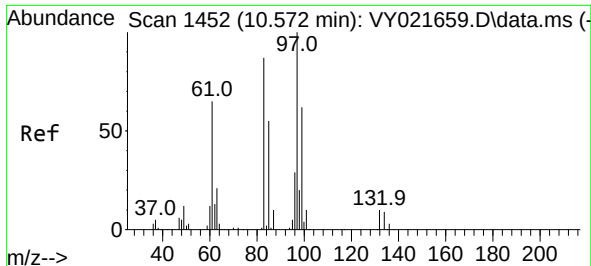
Tgt Ion: 75 Resp: 33356
Ion Ratio Lower Upper
75 100
77 30.2 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 39609
Ion Ratio Lower Upper
75 100
77 28.2 24.9 37.3
39 49.6 39.2 58.8

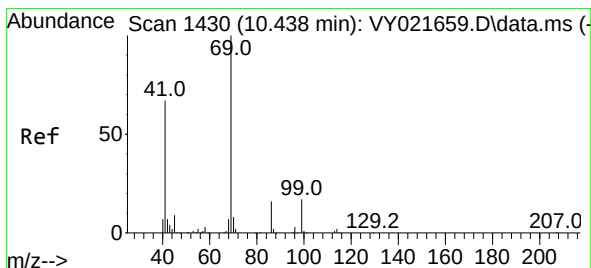
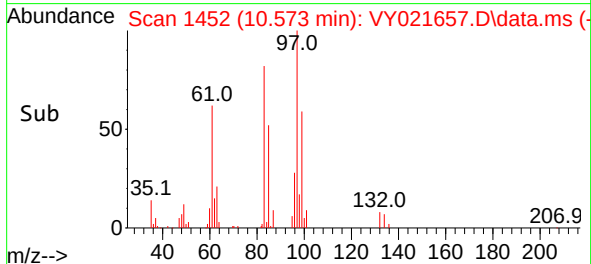
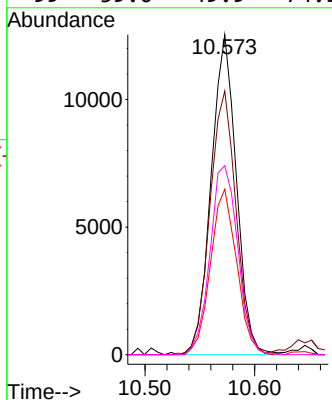
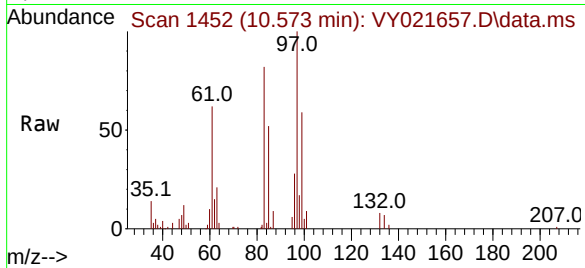




#55
1,1,2-Trichloroethane
Concen: 10.879 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

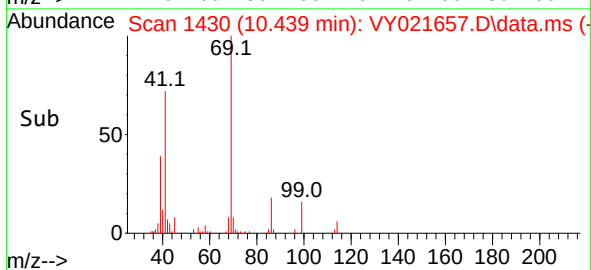
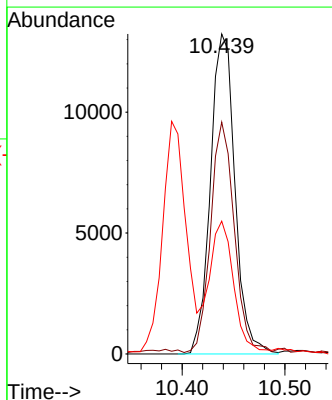
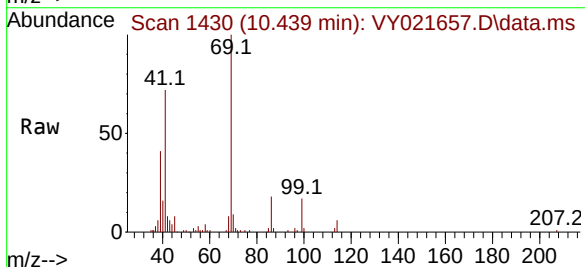
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

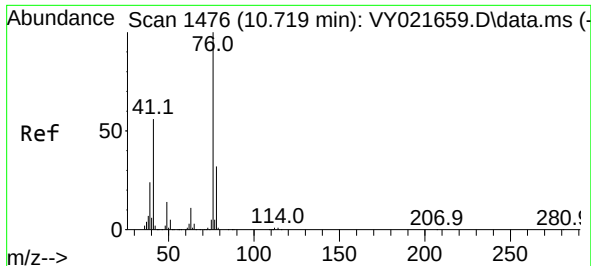
Tgt Ion: 97	Resp: 20050
Ion Ratio	Lower Upper
97 100	
83 82.4	69.5 104.3
85 51.3	43.9 65.9
99 59.0	49.9 74.9



#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 69	Resp: 21901
Ion Ratio	Lower Upper
69 100	
41 70.1	53.8 80.6
39 40.2	29.6 44.4





#57

1,3-Dichloropropane

Concen: 10.467 ug/l

RT: 10.713 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

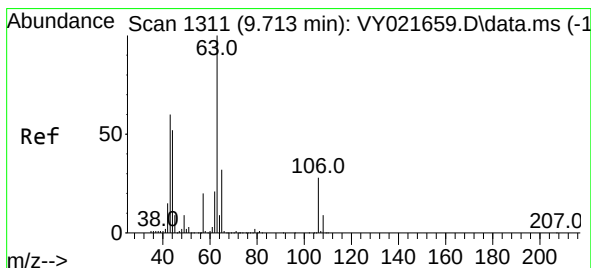
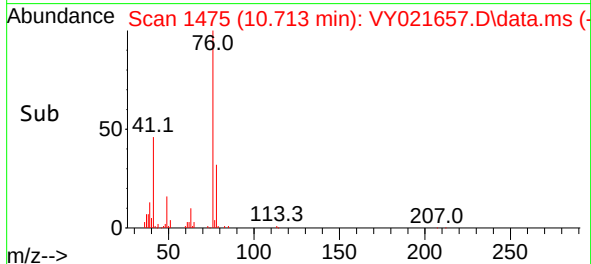
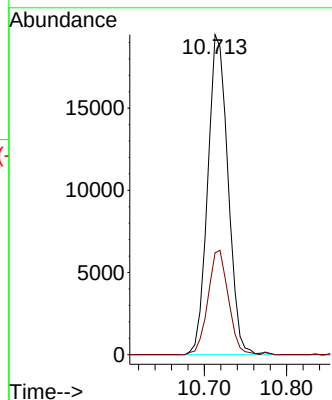
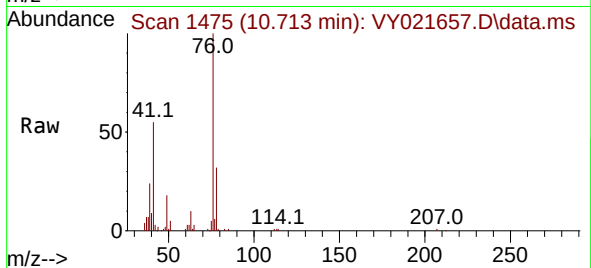
VSTDIC010

Tgt Ion: 76 Resp: 33316

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 47.274 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021657.D

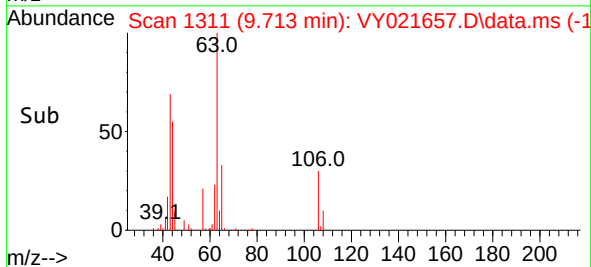
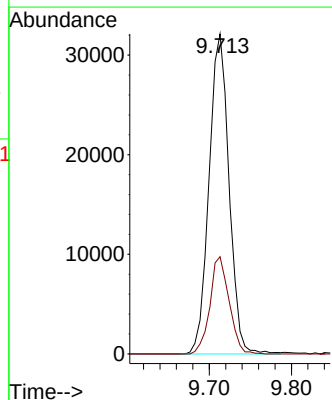
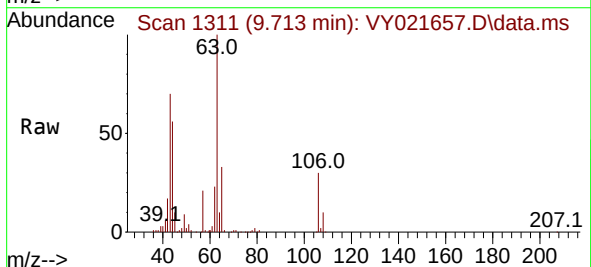
Acq: 27 Mar 2025 10:31

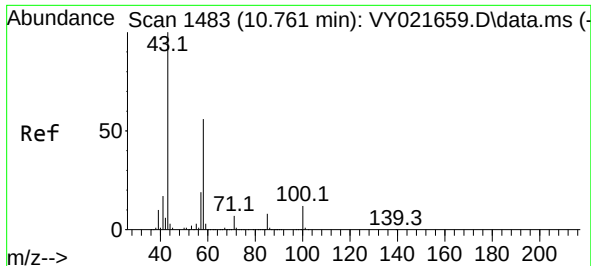
Tgt Ion: 63 Resp: 54271

Ion Ratio Lower Upper

63 100

106 29.2 22.4 33.6





#59

2-Hexanone

Concen: 50.295 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

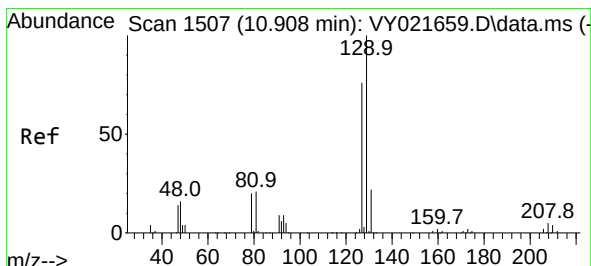
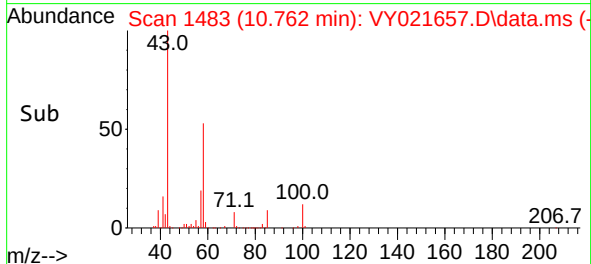
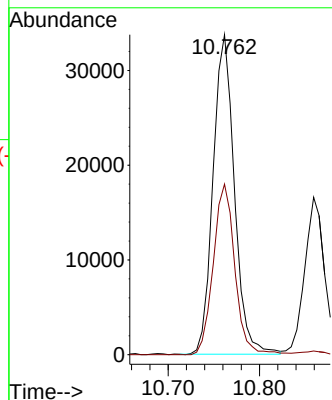
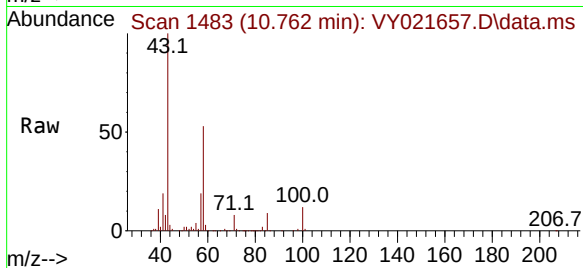
VSTDIC010

Tgt Ion: 43 Resp: 54649

Ion Ratio Lower Upper

43 100

58 54.0 27.2 81.5



#60

Dibromochloromethane

Concen: 10.346 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021657.D

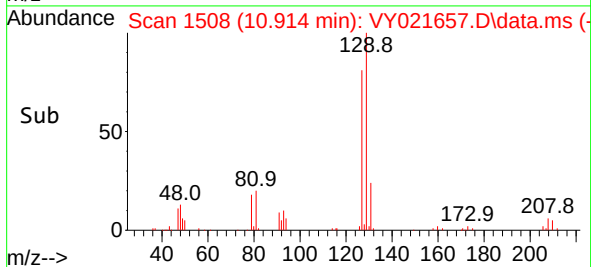
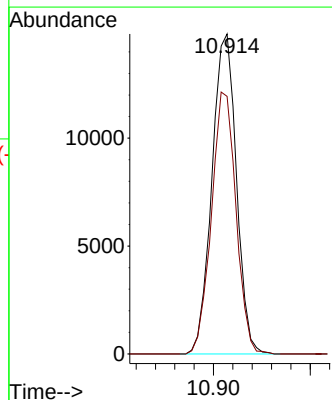
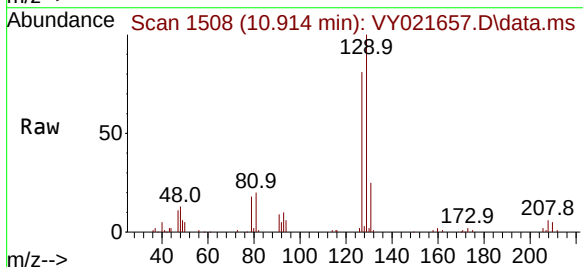
Acq: 27 Mar 2025 10:31

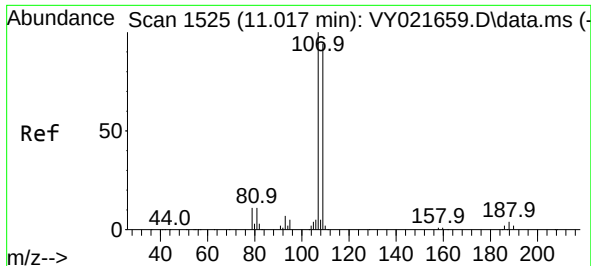
Tgt Ion:129 Resp: 26032

Ion Ratio Lower Upper

129 100

127 82.2 38.6 115.7

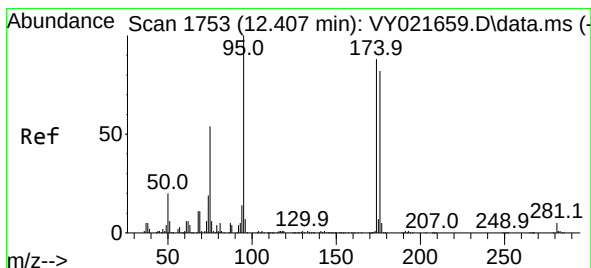
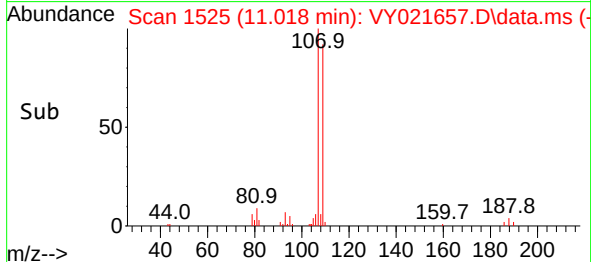
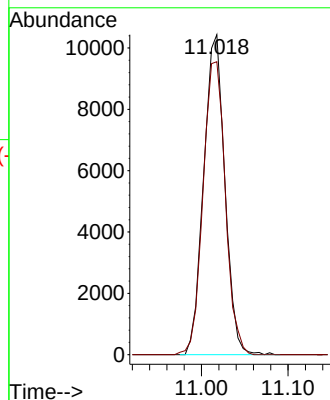
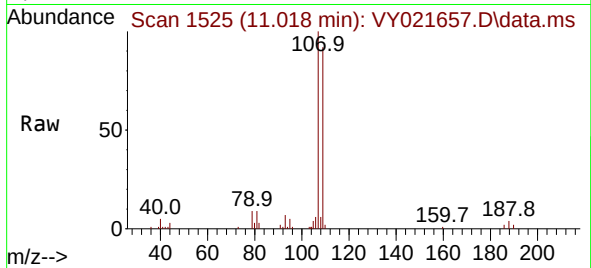




#61
1,2-Dibromoethane
Concen: 10.251 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

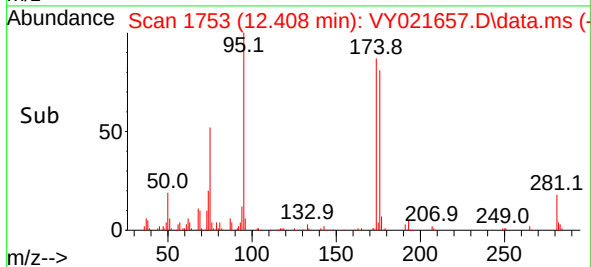
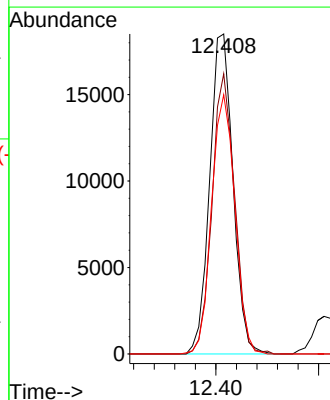
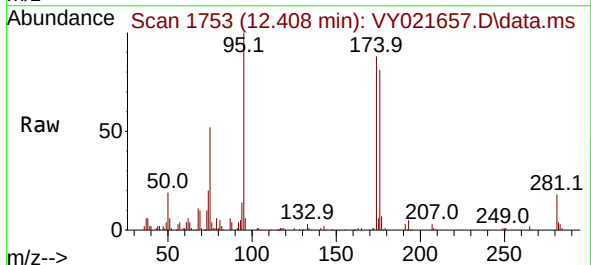
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

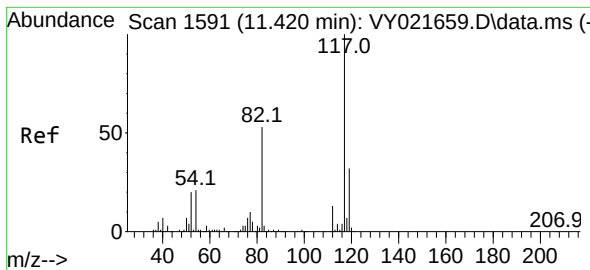
Tgt Ion:107 Resp: 17722
Ion Ratio Lower Upper
107 100
109 96.3 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 9.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 95 Resp: 29125
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 81.1 0.0 162.0

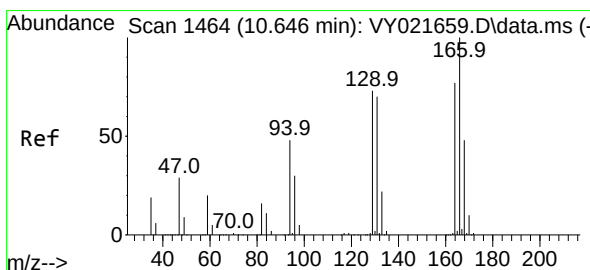
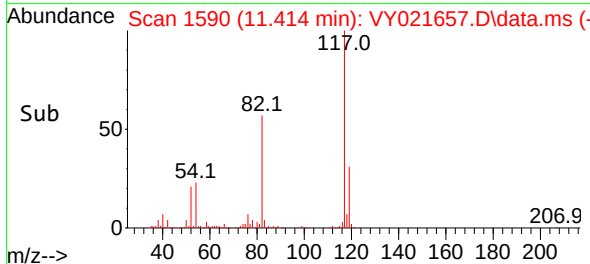
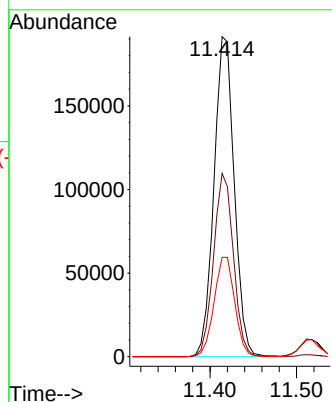
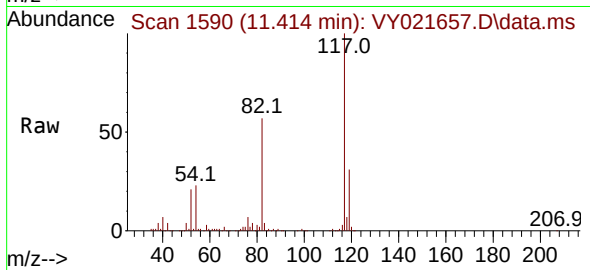




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

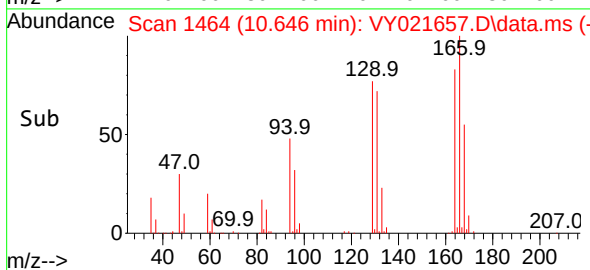
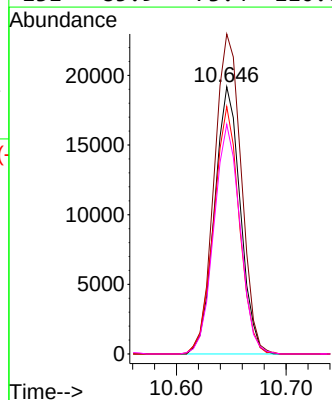
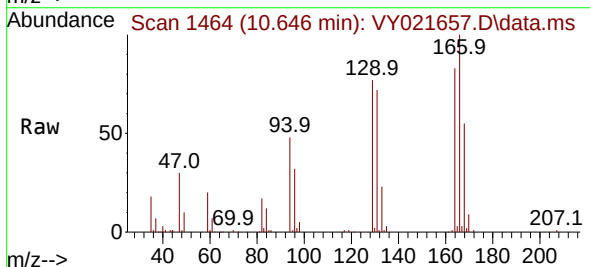
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

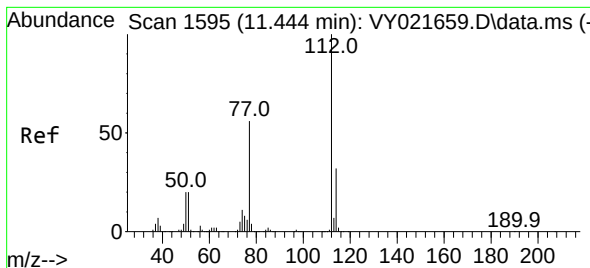
Tgt Ion:117 Resp: 311737
Ion Ratio Lower Upper
117 100
82 57.2 42.8 64.2
119 31.0 25.7 38.5



#64
Tetrachloroethene
Concen: 11.036 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:164 Resp: 31334
Ion Ratio Lower Upper
164 100
166 119.8 104.6 156.8
129 92.6 76.6 114.8
131 85.9 73.4 110.0

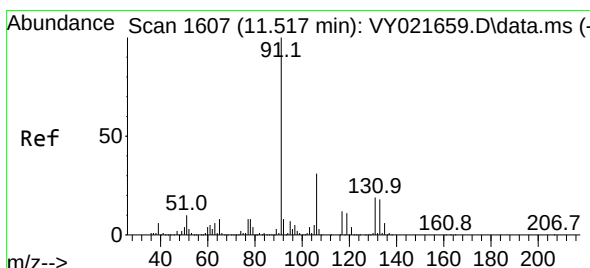
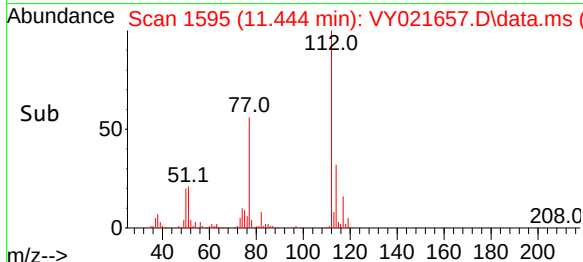
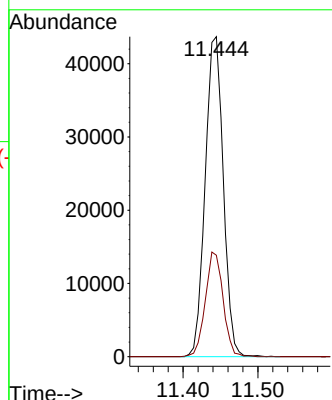
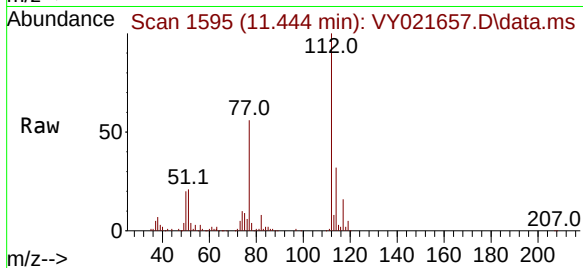




#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

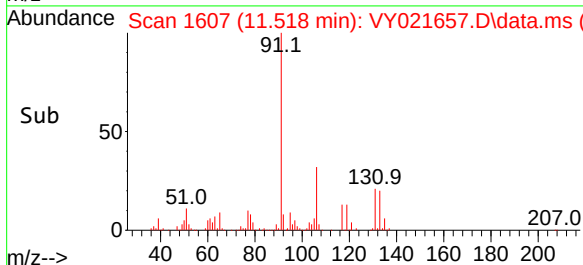
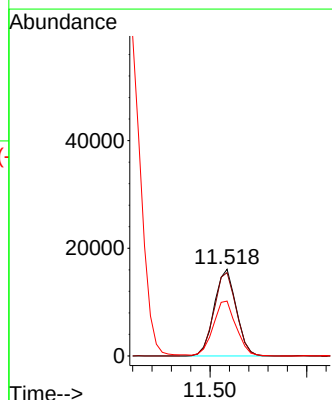
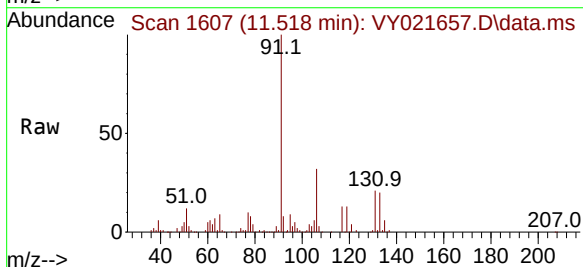
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

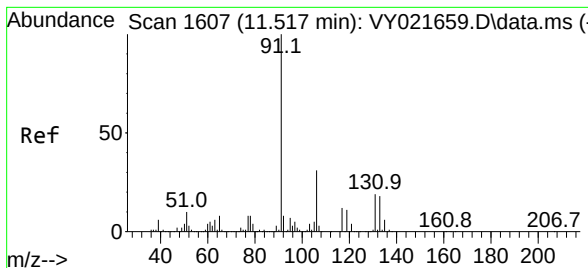
Tgt Ion:112 Resp: 73433
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 10.060 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:131 Resp: 25506
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.8
119 65.9 31.6 95.0

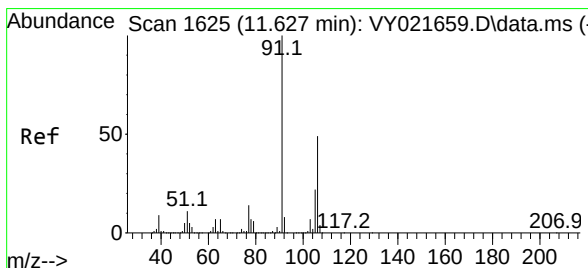
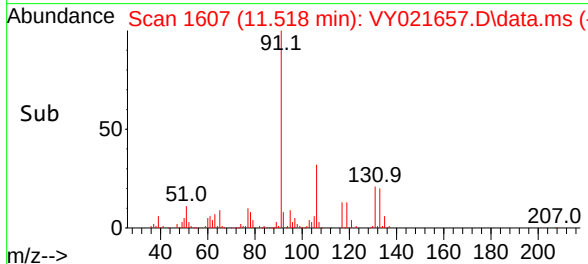
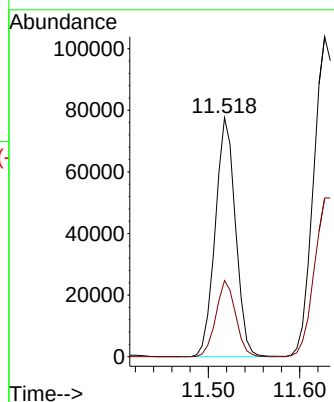
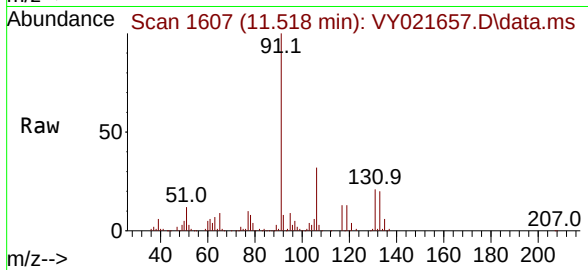




#67
Ethyl Benzene
Concen: 9.750 ug/l
RT: 11.518 min Scan# 119480
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

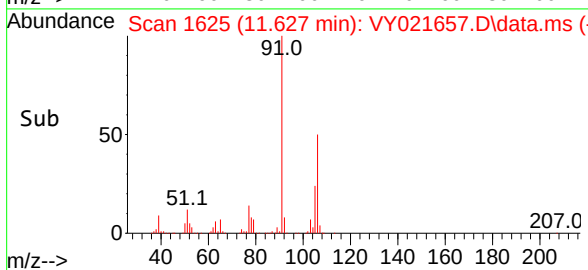
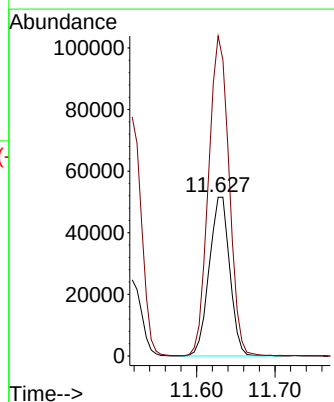
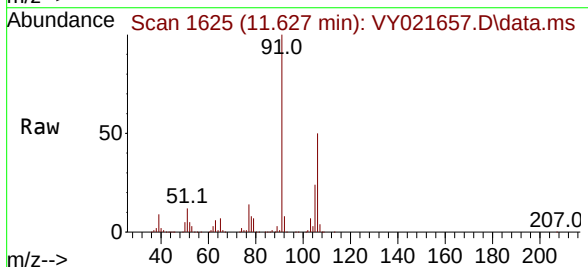
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

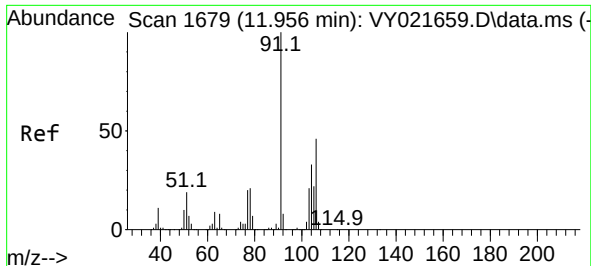
Tgt Ion: 91 Resp: 119480
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8



#68
m/p-Xylenes
Concen: 20.009 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:106 Resp: 93887
Ion Ratio Lower Upper
106 100
91 201.5 162.4 243.6

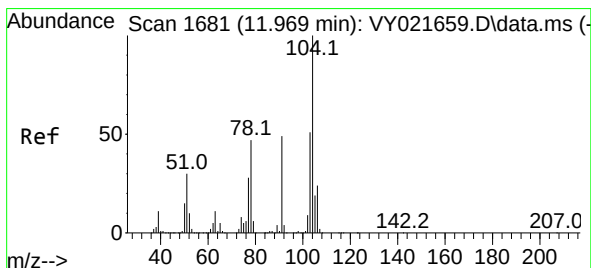
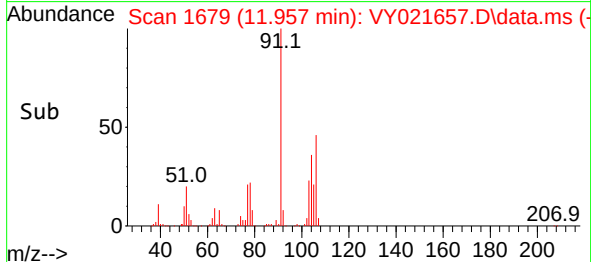
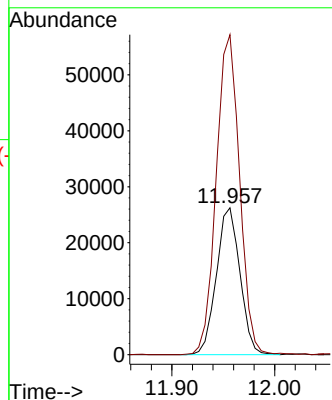
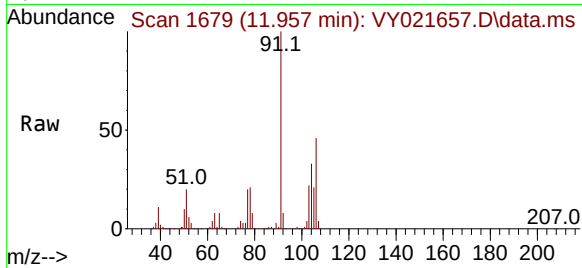




#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

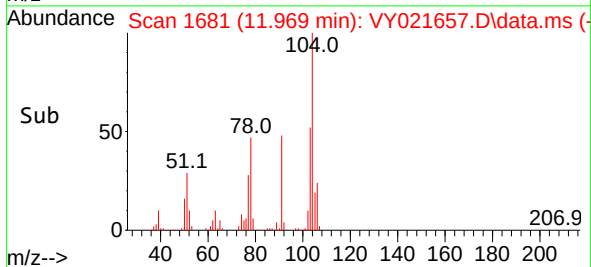
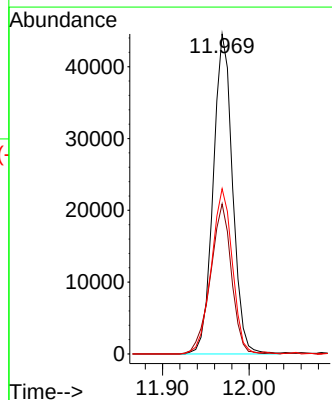
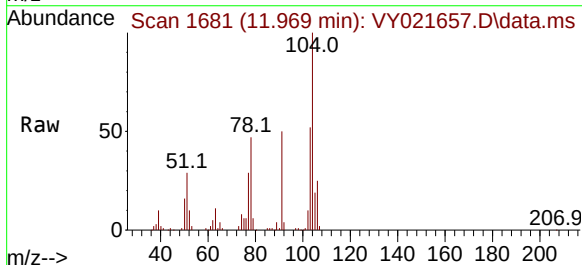
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

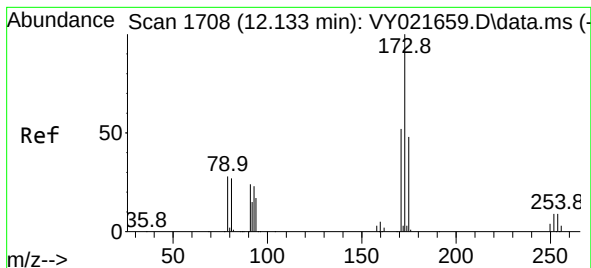
Tgt Ion:106 Resp: 41768
Ion Ratio Lower Upper
106 100
91 216.6 106.7 319.9



#70
Styrene
Concen: 9.581 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:104 Resp: 69196
Ion Ratio Lower Upper
104 100
78 50.7 40.8 61.2
103 56.1 44.2 66.2





#71

Bromoform

Concen: 10.294 ug/l

RT: 12.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

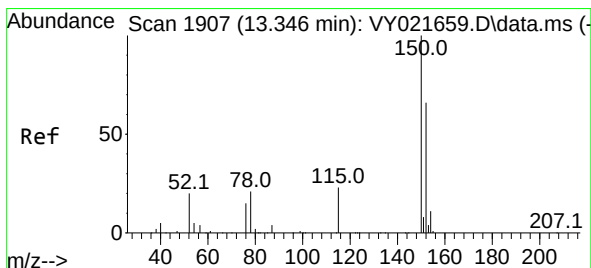
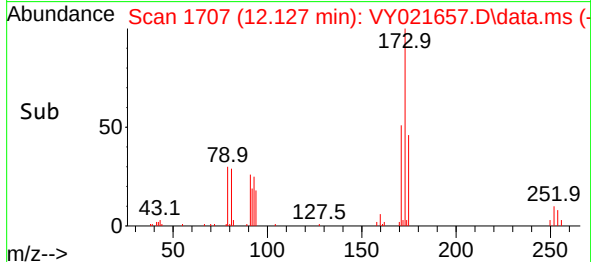
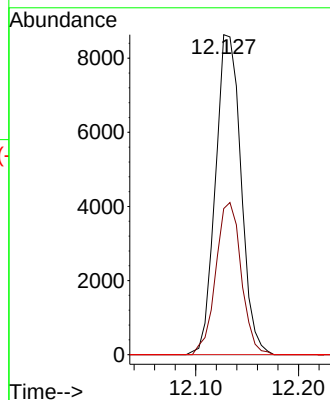
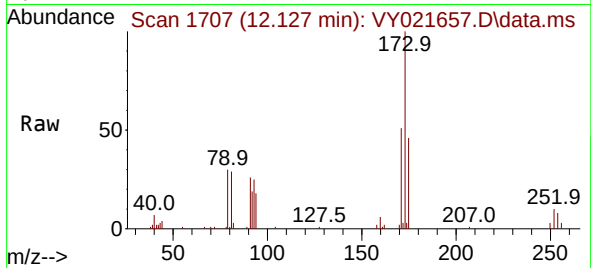
Tgt Ion:173 Resp: 14887

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

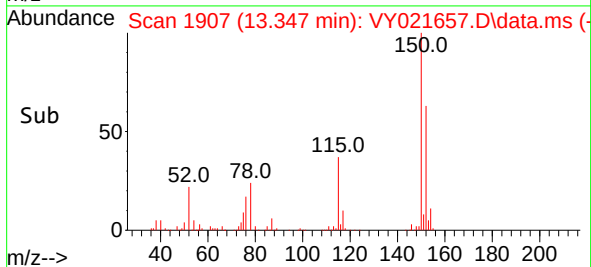
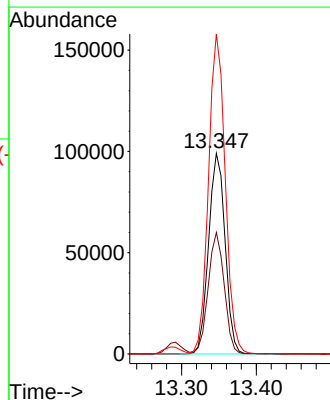
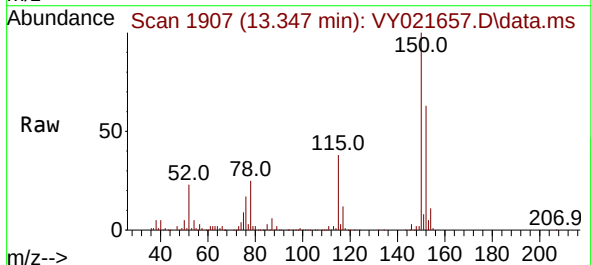
Tgt Ion:152 Resp: 152005

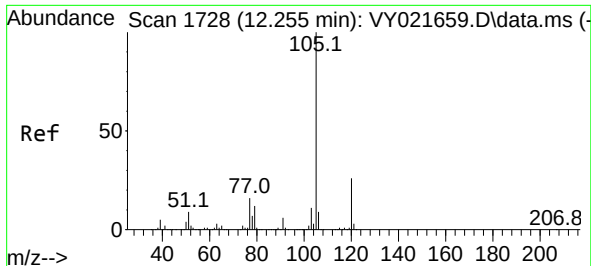
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 161.6 0.0 348.4

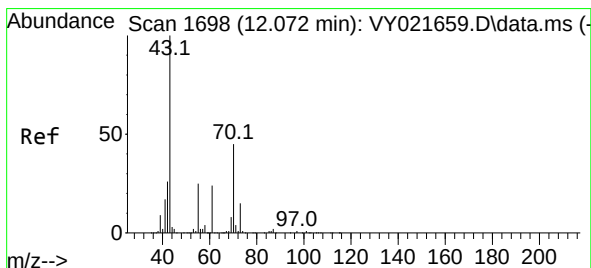
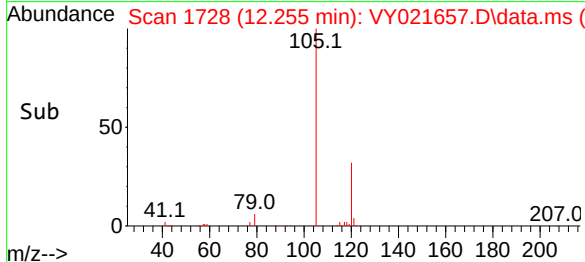
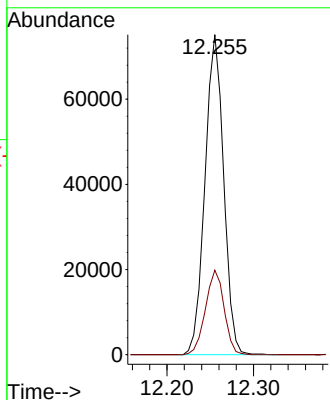
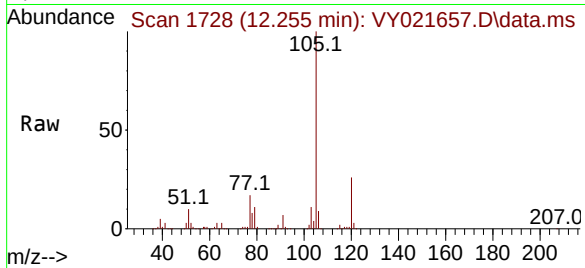




#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

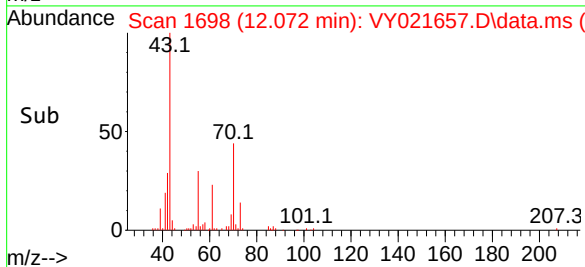
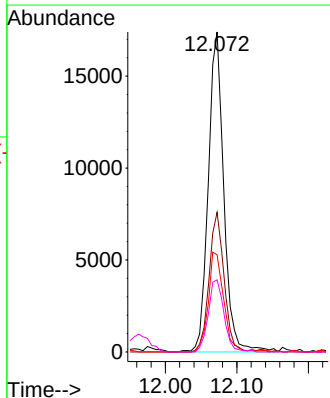
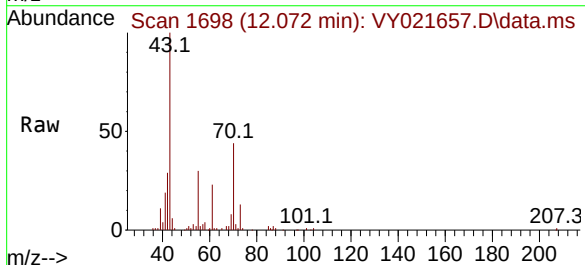
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

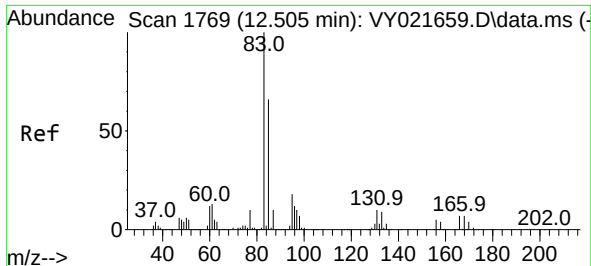
Tgt Ion:105 Resp: 112512
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5



#74
N-ethyl acetate
Concen: 9.910 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 26259
Ion Ratio Lower Upper
43 100
70 41.9 34.7 52.1
55 30.8 21.2 31.8
61 22.9 19.5 29.3

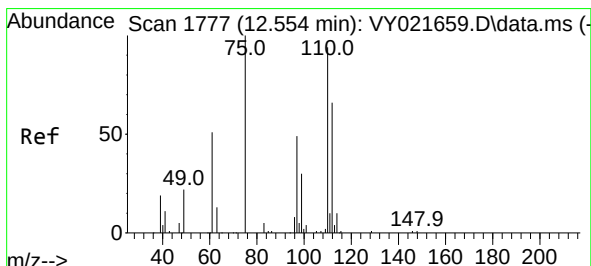
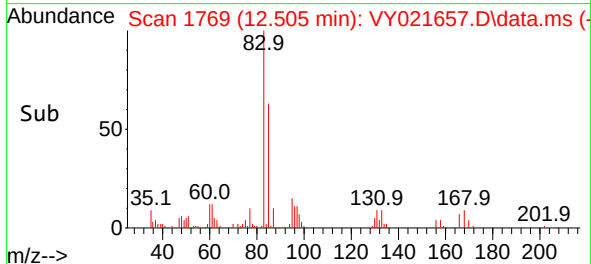
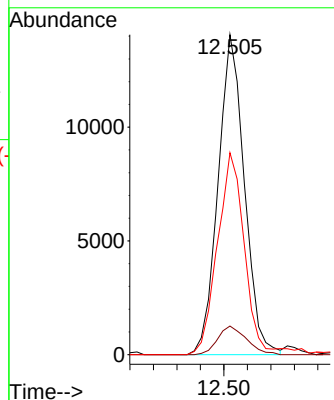
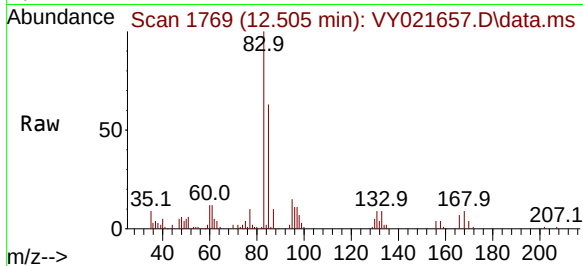




#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.781 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VY021657.D
 Acq: 27 Mar 2025 10:31

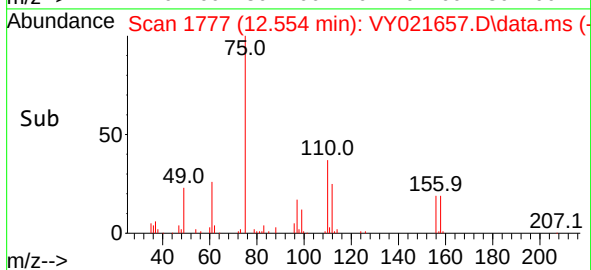
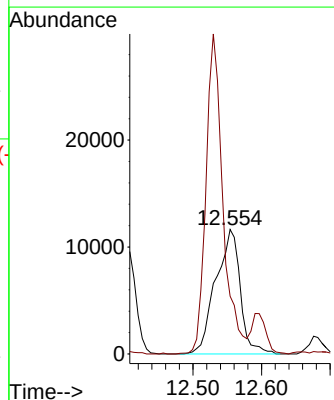
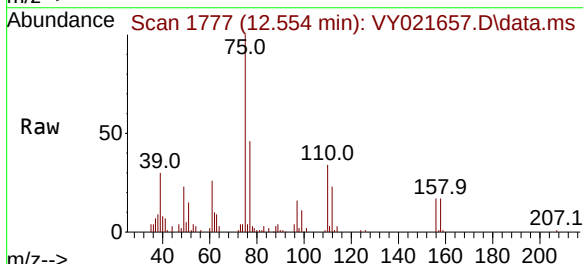
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

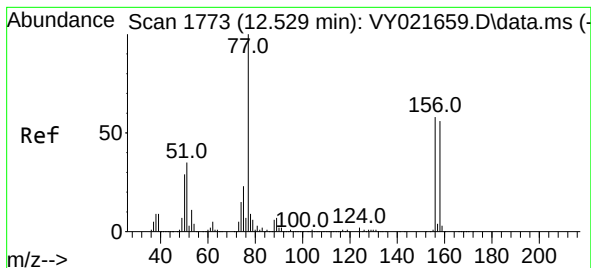
Tgt Ion:	83	Resp:	21883
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	65.8	32.3	96.8



#76
 1,2,3-Trichloropropane
 Concen: 19.219 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: VY021657.D
 Acq: 27 Mar 2025 10:31

Tgt Ion:	75	Resp:	28958
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.199 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

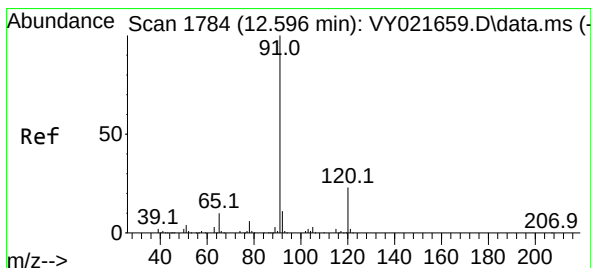
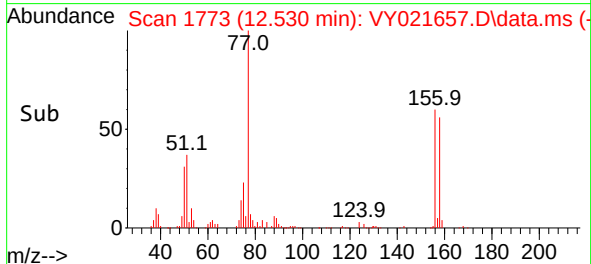
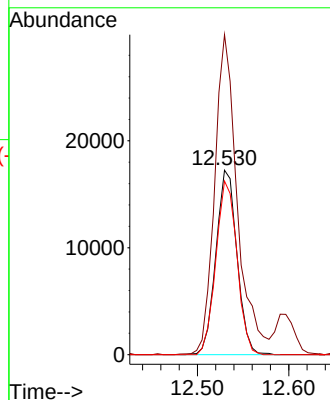
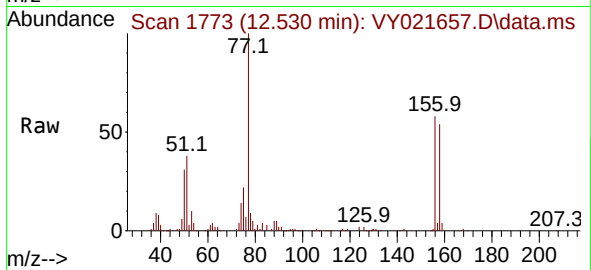
Tgt Ion:156 Resp: 27648

Ion Ratio Lower Upper

156 100

77 187.1 92.8 278.3

158 94.2 48.5 145.6



#78

n-propylbenzene

Concen: 9.983 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021657.D

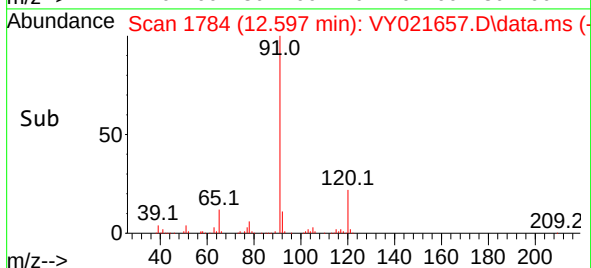
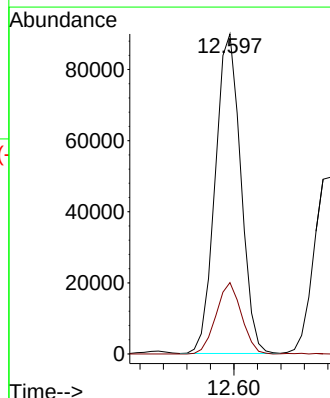
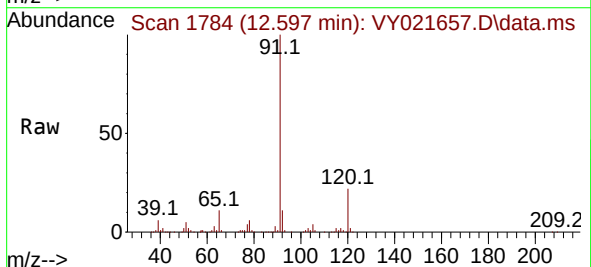
Acq: 27 Mar 2025 10:31

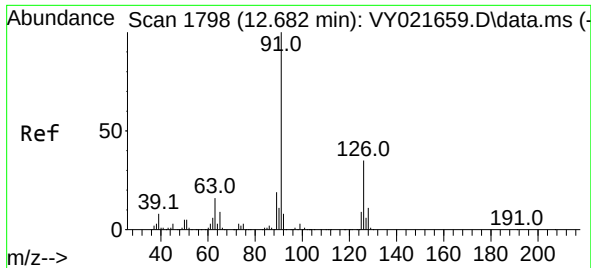
Tgt Ion: 91 Resp: 135498

Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.9

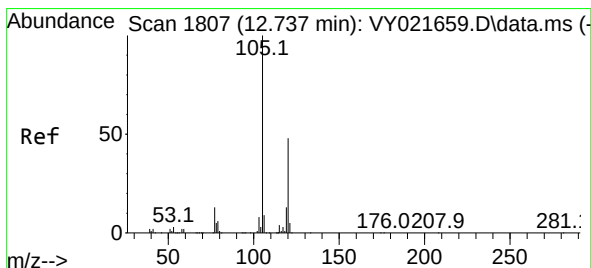
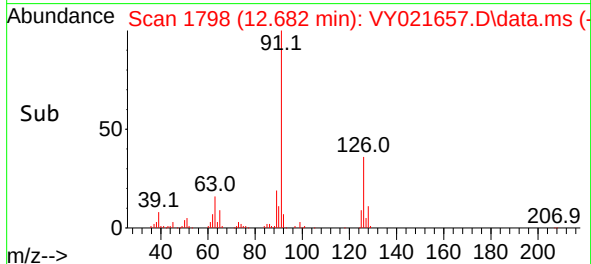
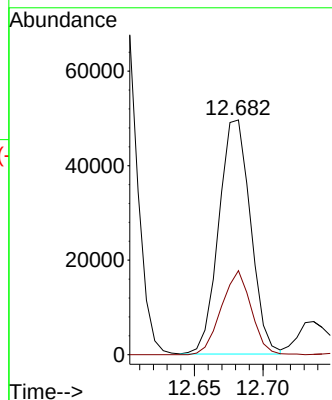
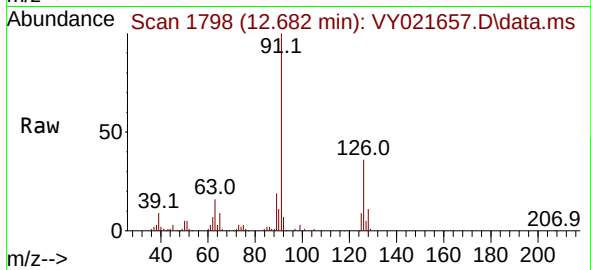




#79
2-Chlorotoluene
Concen: 10.158 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

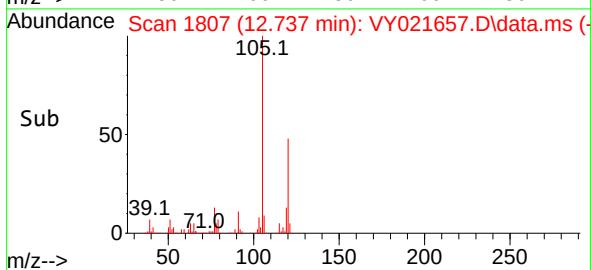
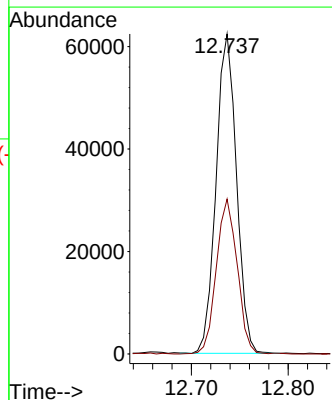
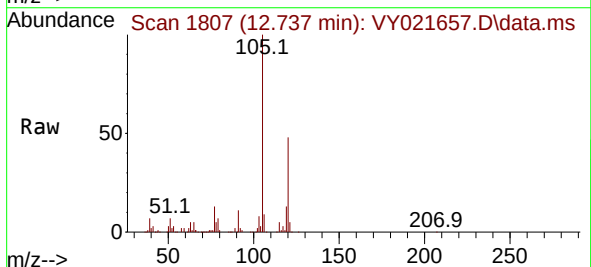
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

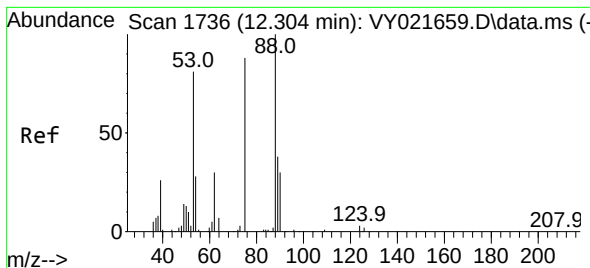
Tgt Ion: 91 Resp: 80079
Ion Ratio Lower Upper
91 100
126 33.6 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 9.888 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 105 Resp: 91235
Ion Ratio Lower Upper
105 100
120 49.6 24.5 73.5

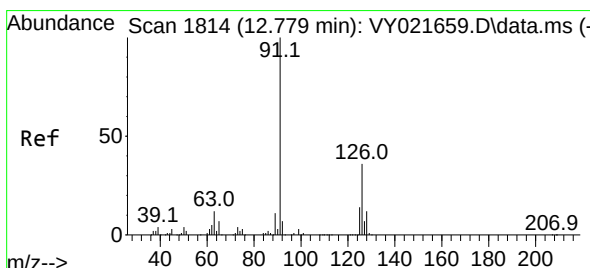
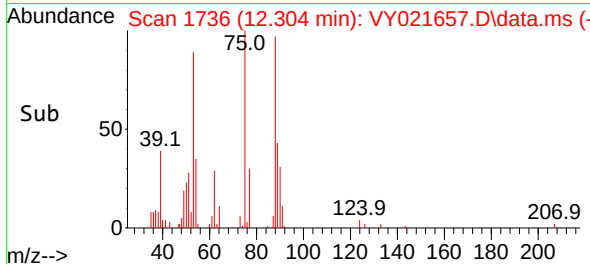
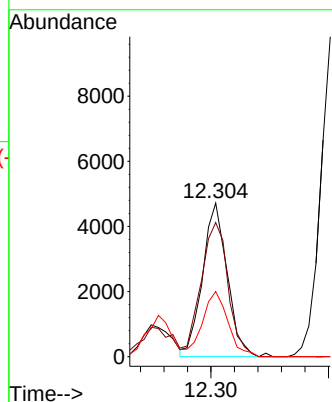
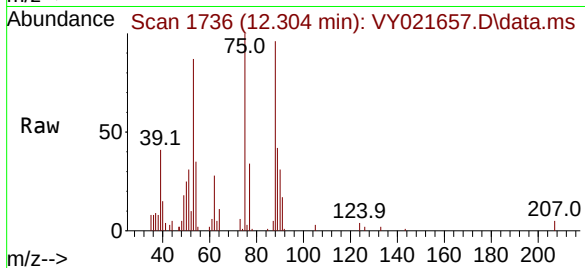




#81
trans-1,4-Dichloro-2-butene
Concen: 10.550 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

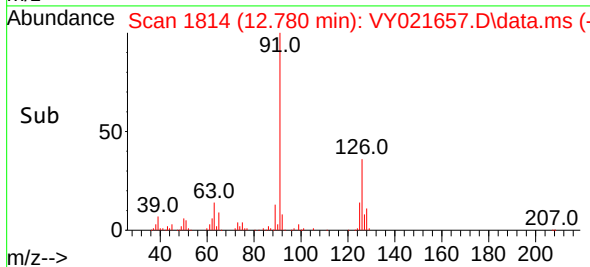
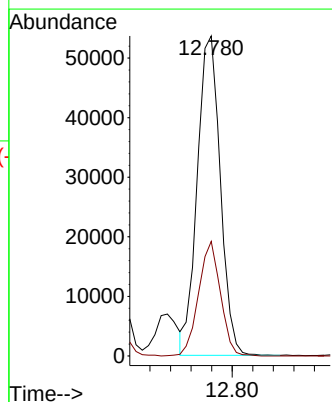
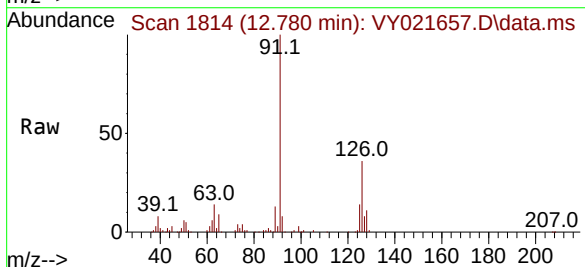
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

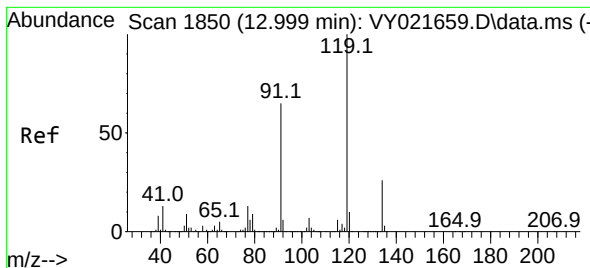
Tgt Ion:	75	Resp:	6899
Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	44.2	36.2	54.4



#82
4-Chlorotoluene
Concen: 10.157 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:	91	Resp:	83484
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9





#83

tert-Butylbenzene

Concen: 9.892 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

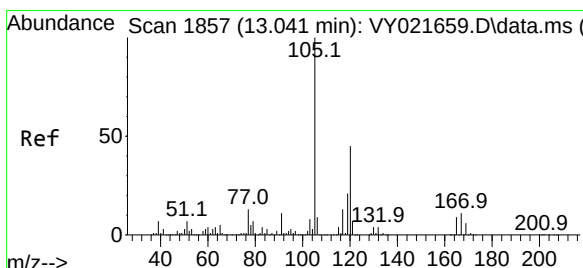
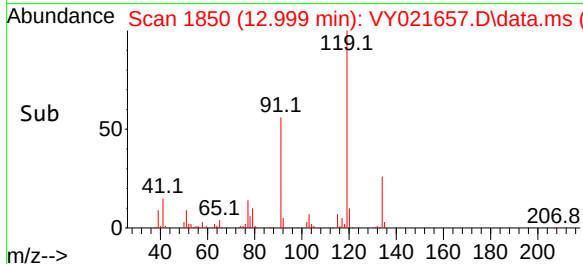
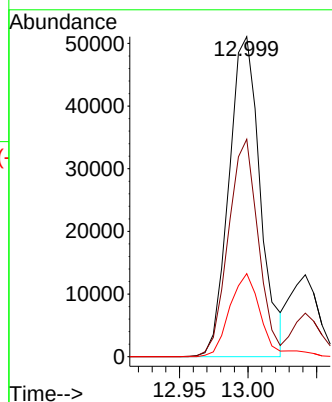
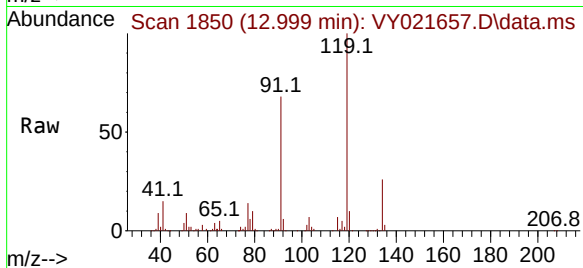
Tgt Ion:119 Resp: 81296

Ion Ratio Lower Upper

119 100

91 65.1 32.6 97.7

134 26.2 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 9.884 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021657.D

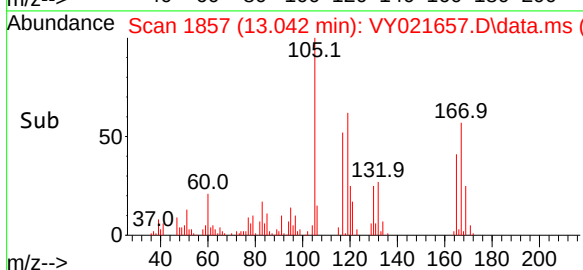
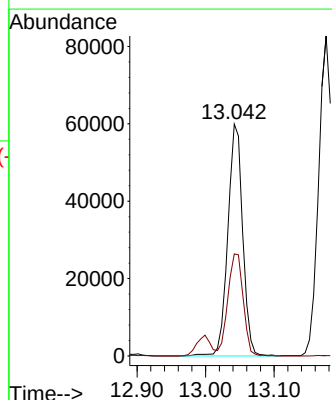
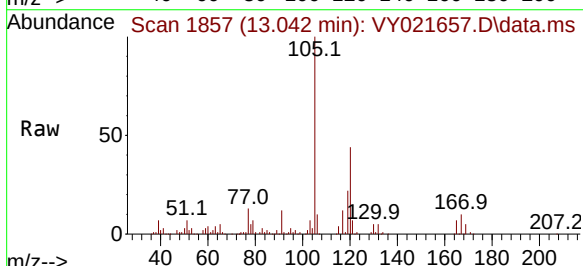
Acq: 27 Mar 2025 10:31

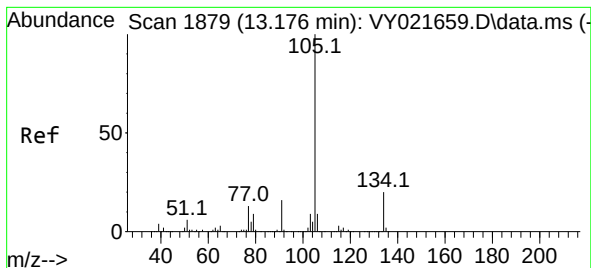
Tgt Ion:105 Resp: 90142

Ion Ratio Lower Upper

105 100

120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 10.122 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

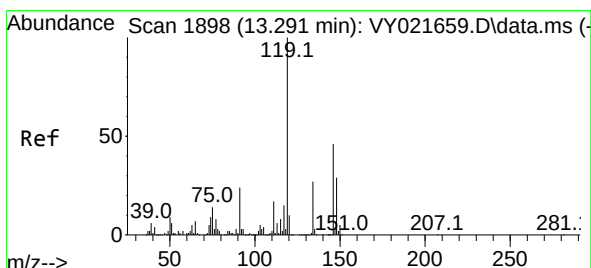
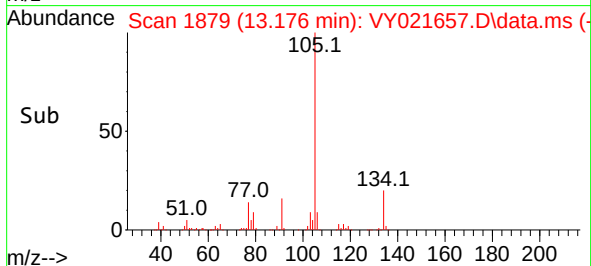
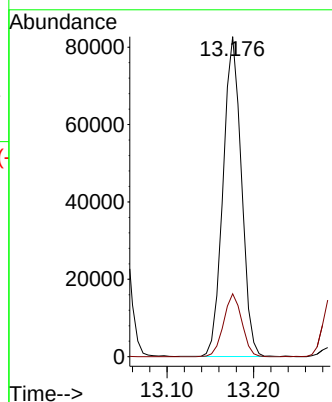
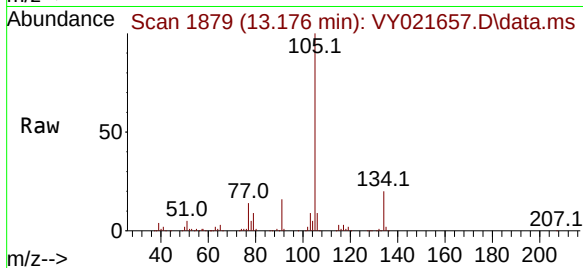
VSTDIC010

Tgt Ion:105 Resp: 121575

Ion Ratio Lower Upper

105 100

134 19.6 10.1 30.1



#86

p-Isopropyltoluene

Concen: 9.781 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

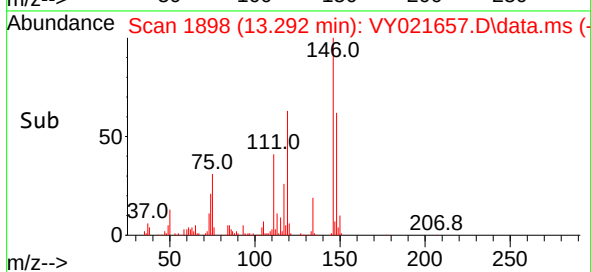
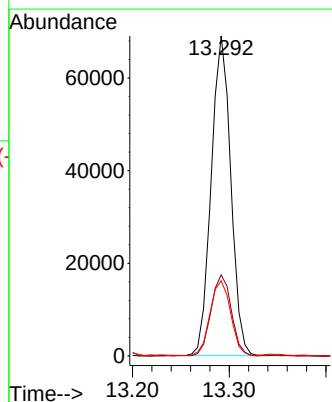
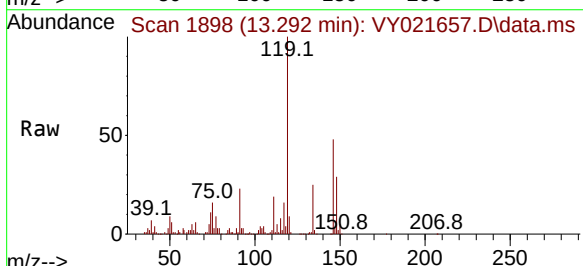
Tgt Ion:119 Resp: 97092

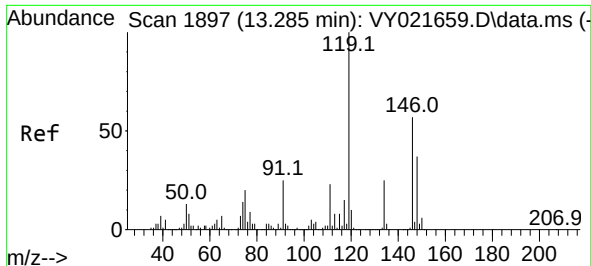
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 10.098 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

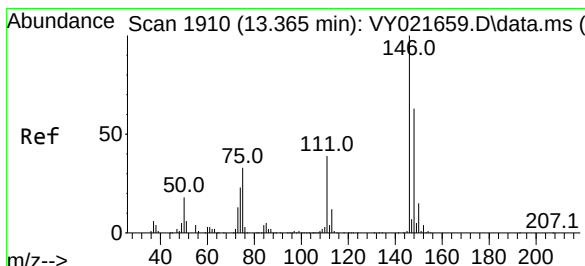
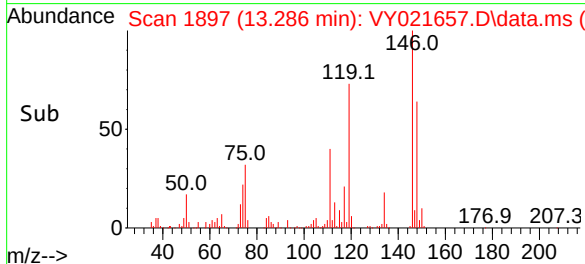
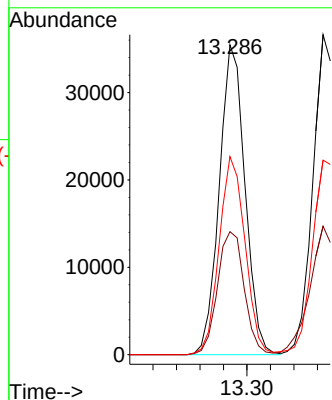
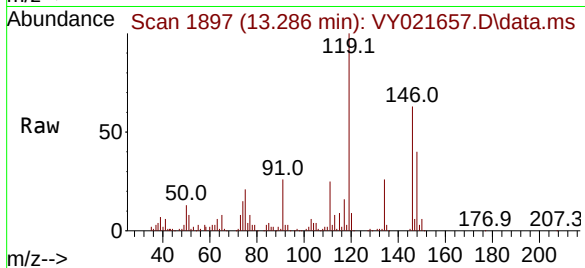
Tgt Ion:146 Resp: 53929

Ion Ratio Lower Upper

146 100

111 41.3 20.0 60.0

148 64.4 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 10.336 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

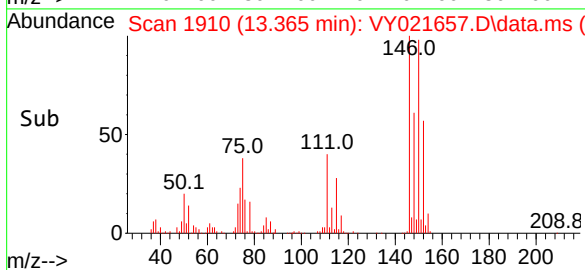
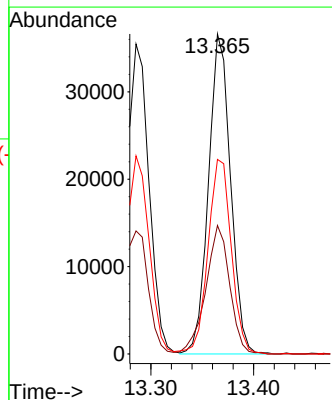
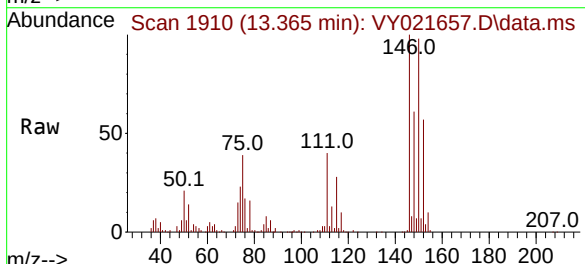
Tgt Ion:146 Resp: 54536

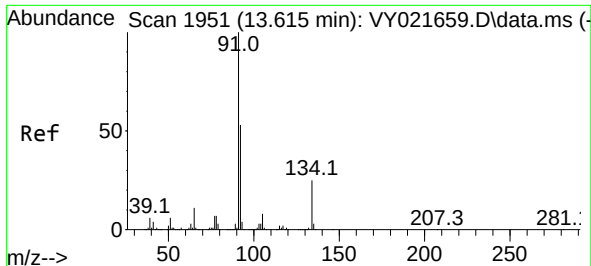
Ion Ratio Lower Upper

146 100

111 43.6 19.1 57.1

148 64.4 31.5 94.5





#89

n-Butylbenzene

Concen: 9.712 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

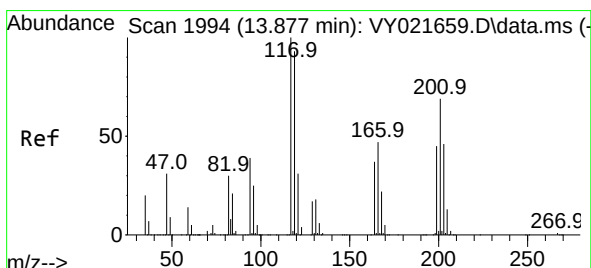
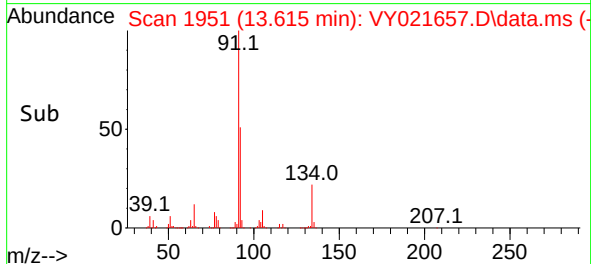
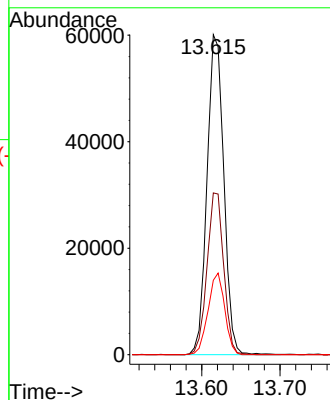
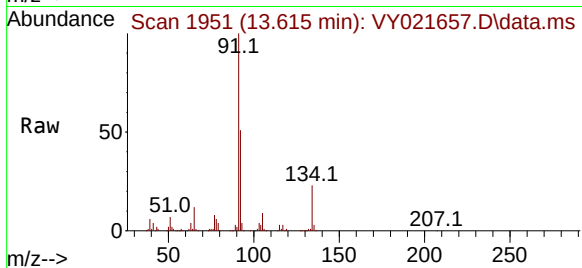
Tgt Ion: 91 Resp: 89162

Ion Ratio Lower Upper

91 100

92 50.3 26.4 79.2

134 25.4 12.8 38.4



#90

Hexachloroethane

Concen: 10.059 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021657.D

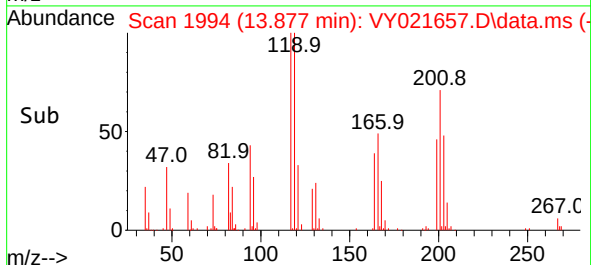
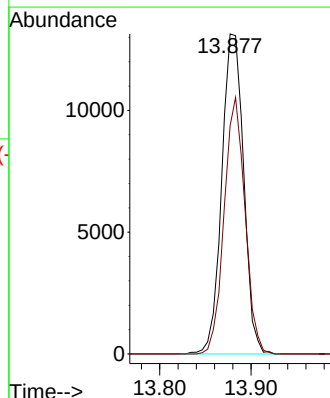
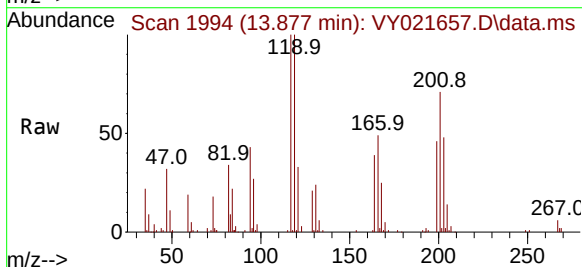
Acq: 27 Mar 2025 10:31

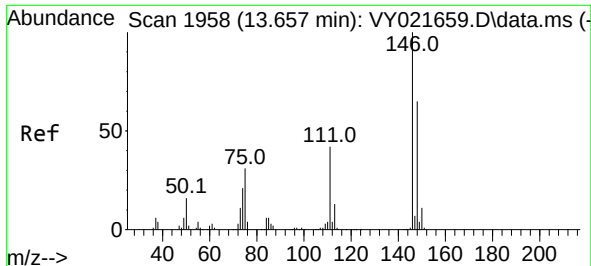
Tgt Ion: 117 Resp: 21881

Ion Ratio Lower Upper

117 100

201 76.5 37.4 112.1

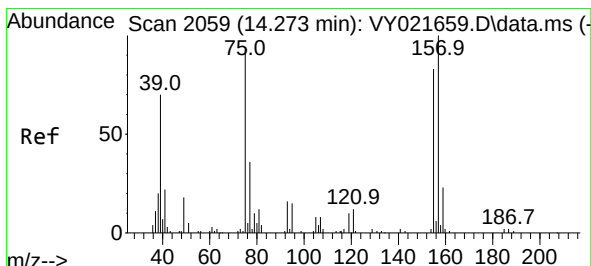
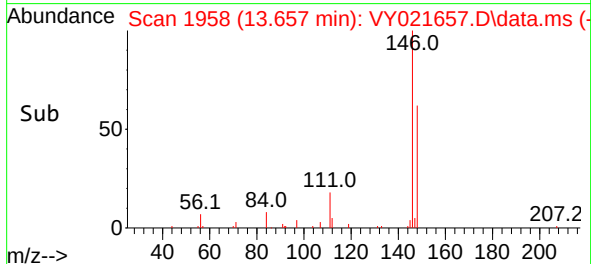
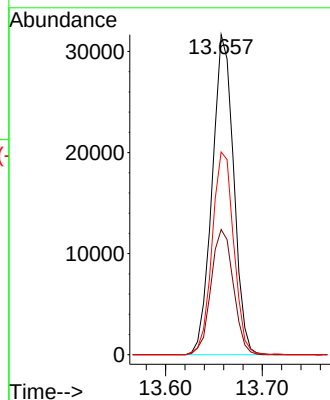
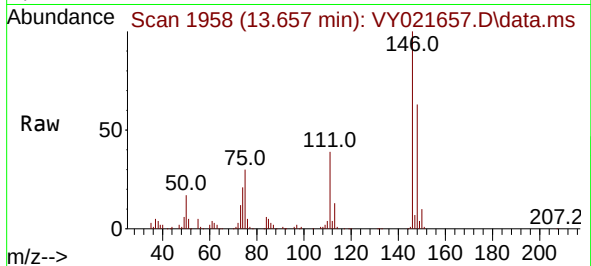




#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

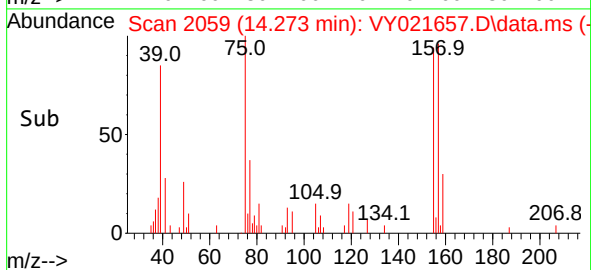
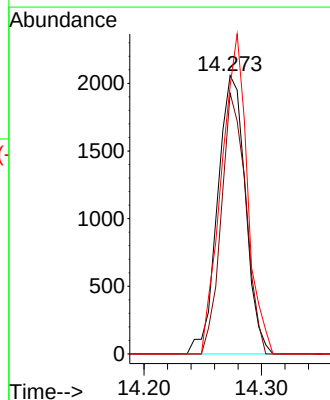
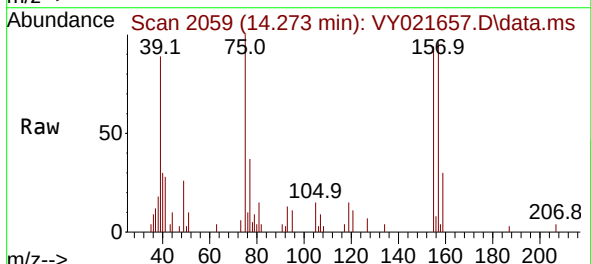
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

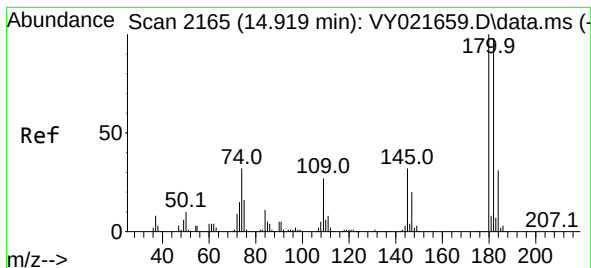
Tgt Ion:146 Resp: 48845
Ion Ratio Lower Upper
146 100
111 40.6 20.7 62.1
148 63.8 32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.766 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3387
Ion Ratio Lower Upper
75 100
155 82.8 43.0 128.8
157 107.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 9.419 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

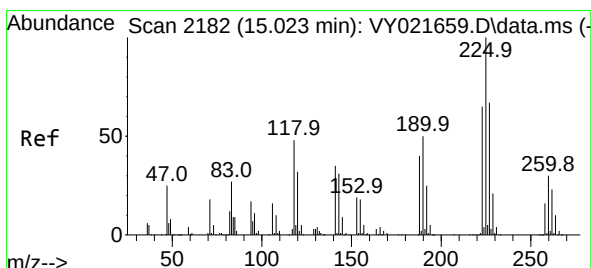
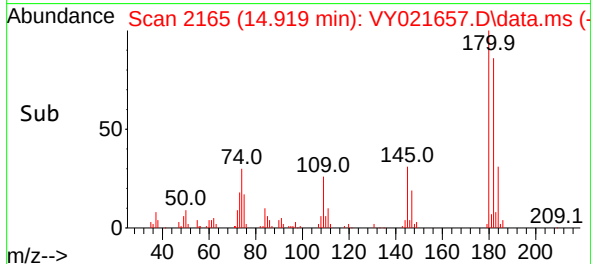
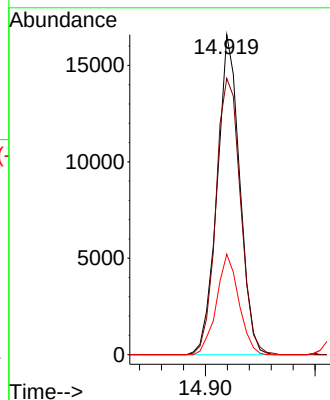
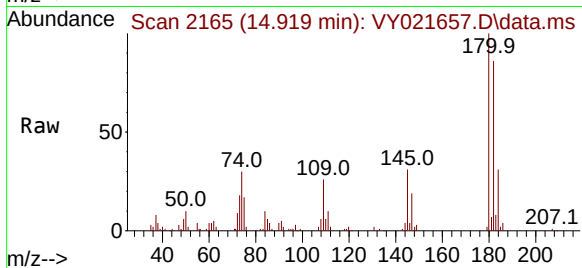
Tgt Ion:180 Resp: 23748

Ion Ratio Lower Upper

180 100

182 94.0 47.5 142.6

145 31.1 14.9 44.9



#94

Hexachlorobutadiene

Concen: 10.063 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

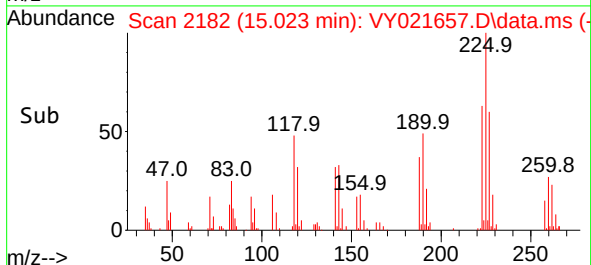
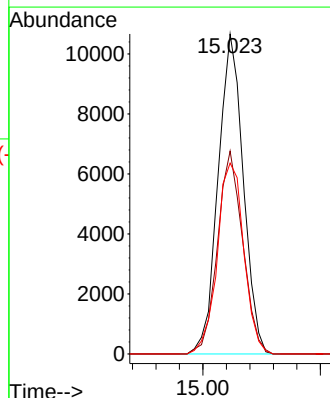
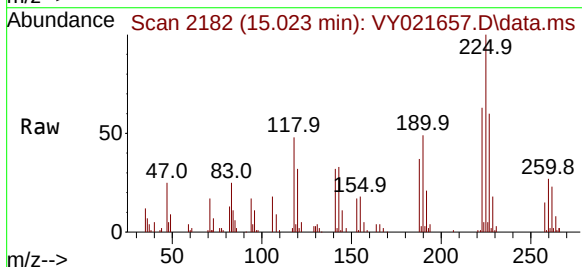
Tgt Ion:225 Resp: 15844

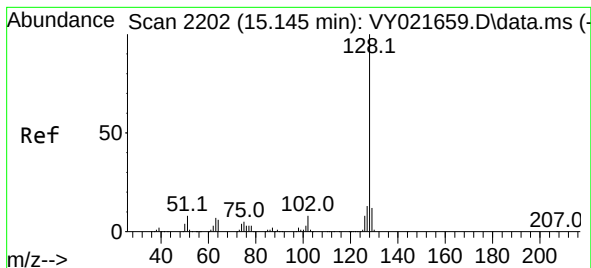
Ion Ratio Lower Upper

225 100

223 63.8 31.9 95.7

227 63.0 32.4 97.0





#95

Naphthalene

Concen: 8.785 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

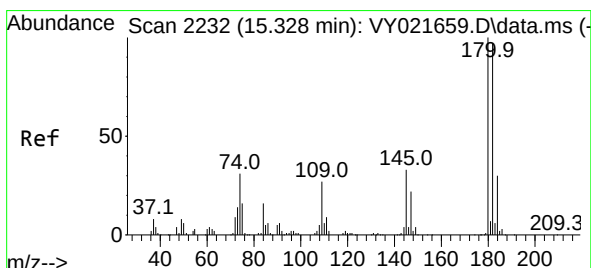
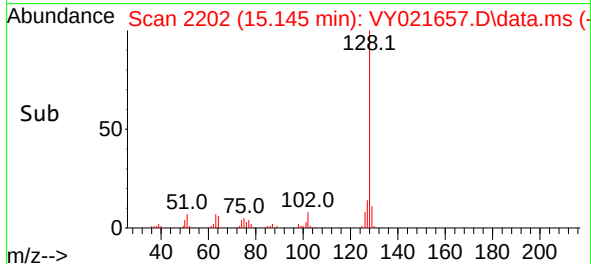
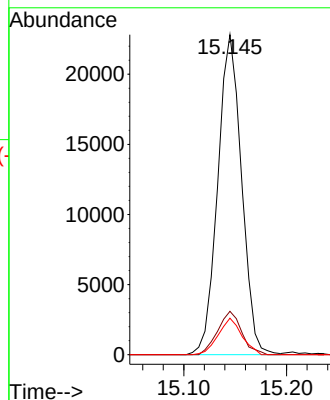
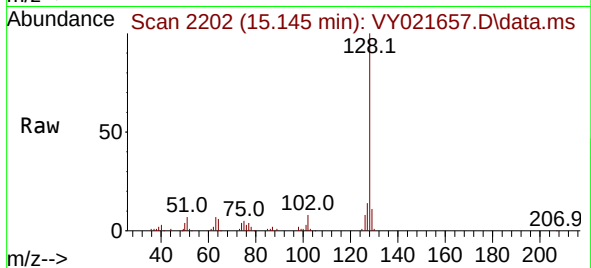
Tgt Ion:128 Resp: 36711

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 11.3 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 9.633 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

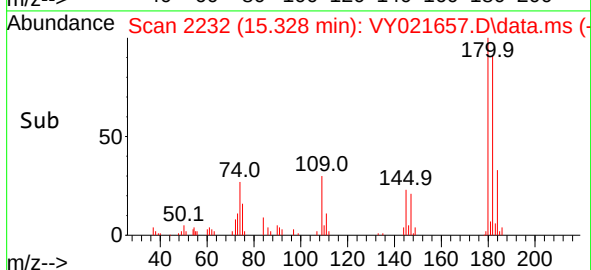
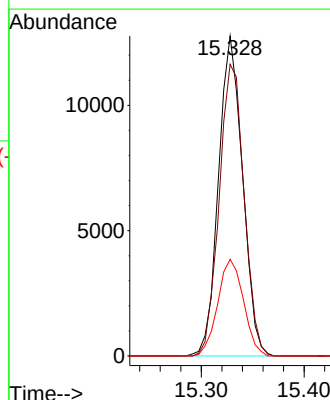
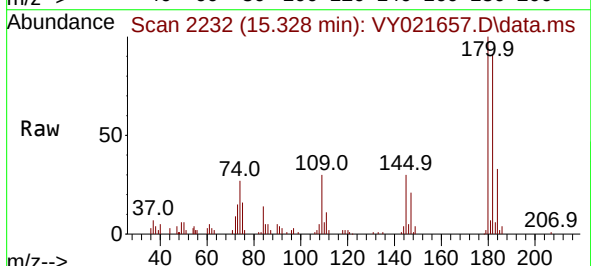
Tgt Ion:180 Resp: 20711

Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.5

145 32.4 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.080%#
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	35.820%#
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	36.520%#
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.180%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l	99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l #	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l	95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l	98
46) Dibromomethane	9.231	93	28698	19.067	ug/l	97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l	99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l	94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l	98
52) Toluene	10.170	92	133126	19.340	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l	98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l	97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l	98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l	99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l	100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l	97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l	97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l	98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l	98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l	99
69) o-Xylene	11.957	106	87927	19.462	ug/l	98
70) Styrene	11.969	104	147490	19.580	ug/l	99
71) Bromoform	12.133	173	29726	19.706	ug/l #	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l	100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	55725	34.364	ug/l #	100
77) Bromobenzene	12.530	156	55776	19.119	ug/l	99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l	100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l	97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l	100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l	99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l	100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l	98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l	99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l	100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l	99
95) Naphthalene	15.145	128	82325	18.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

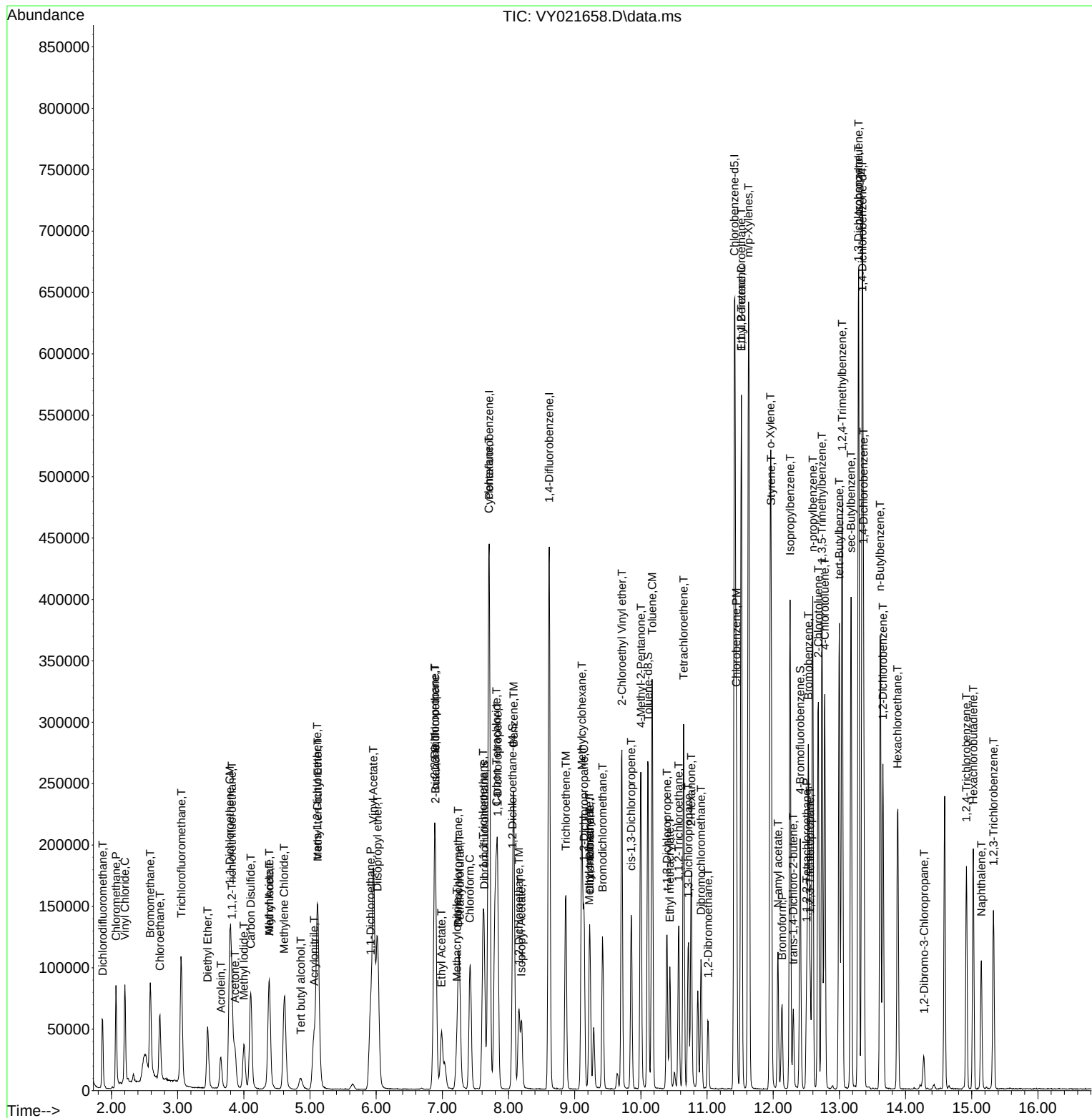
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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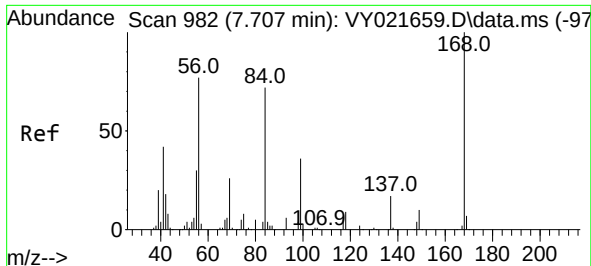
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
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 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 28 02:15:34 2025
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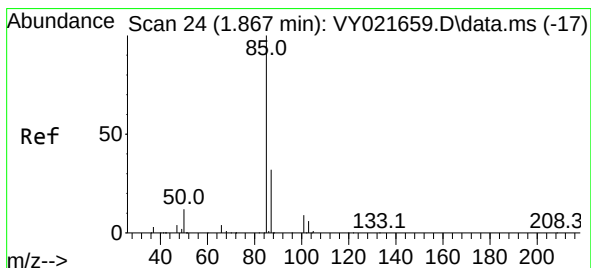
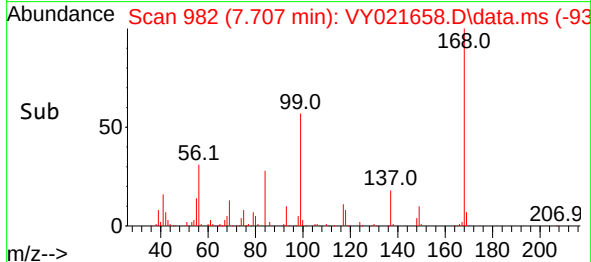
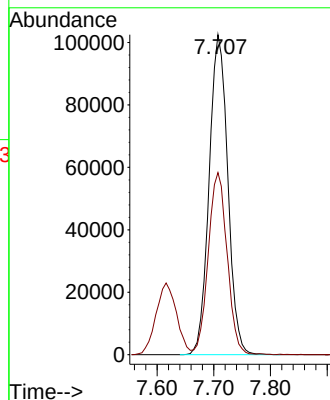
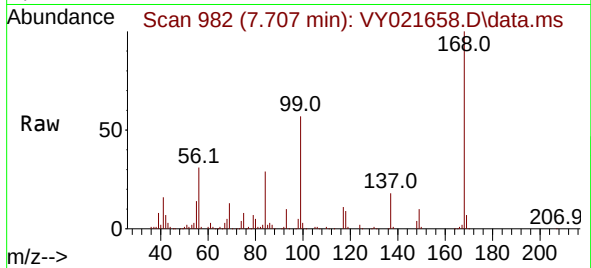




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

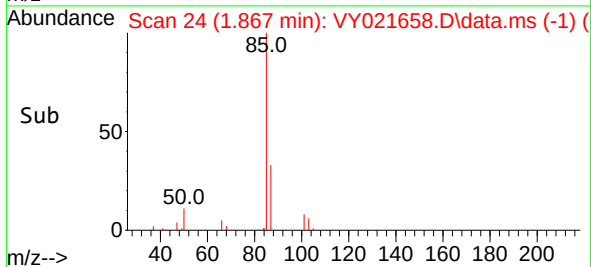
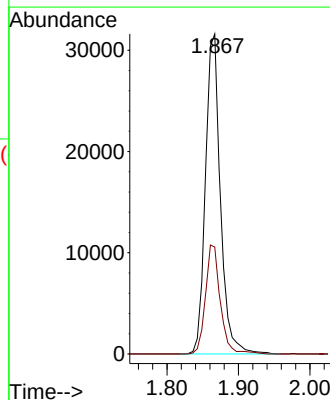
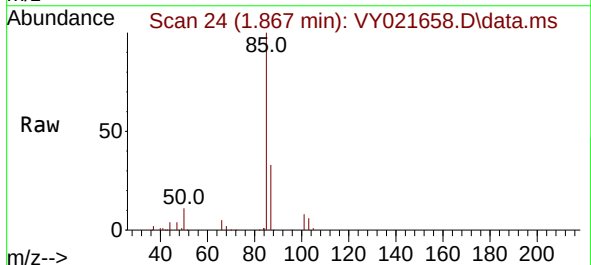
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

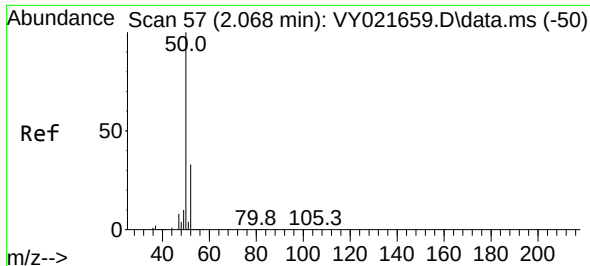
Tgt Ion:168 Resp: 234060
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121
Ion Ratio Lower Upper
85 100
87 33.4 16.2 48.6

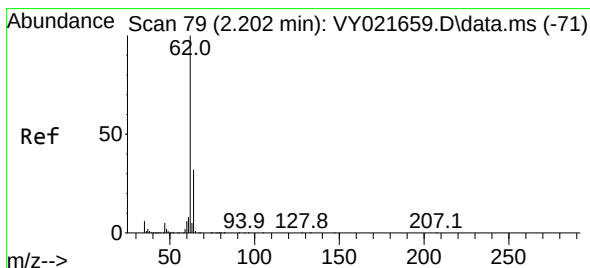
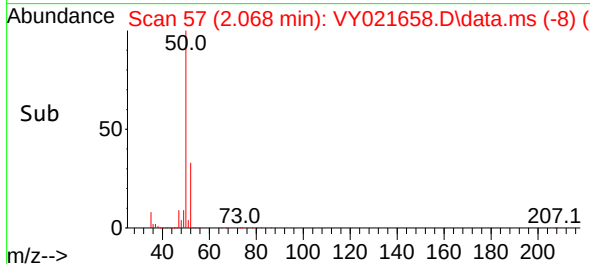
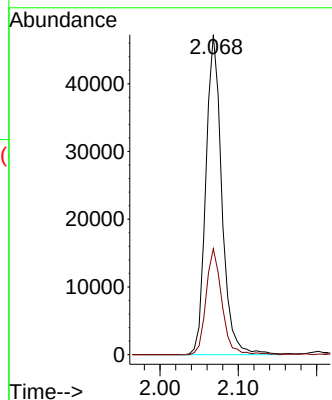
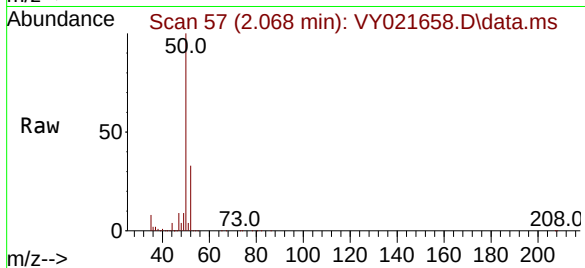




#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

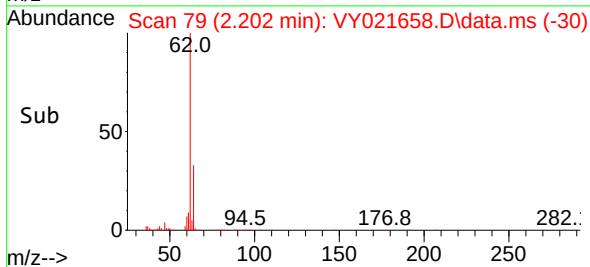
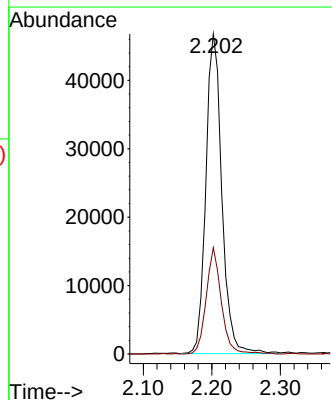
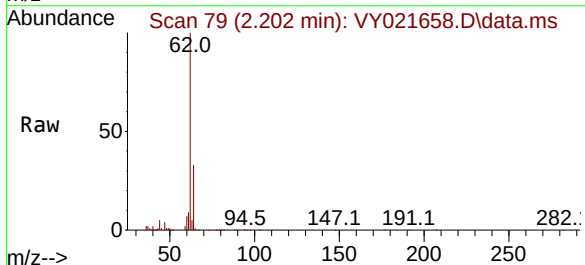
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

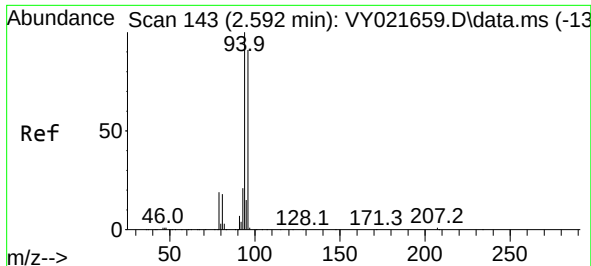
Tgt Ion: 50 Resp: 66775
Ion Ratio Lower Upper
50 100
52 33.1 26.3 39.5



#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 75860
Ion Ratio Lower Upper
62 100
64 33.2 25.5 38.3

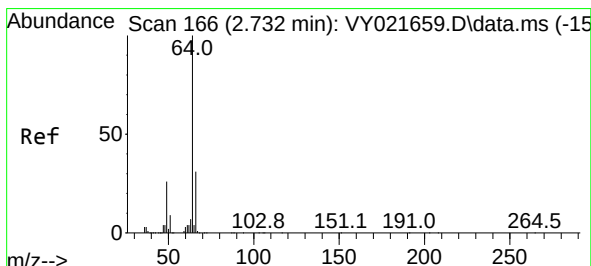
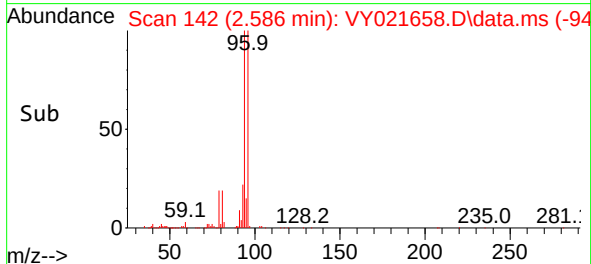
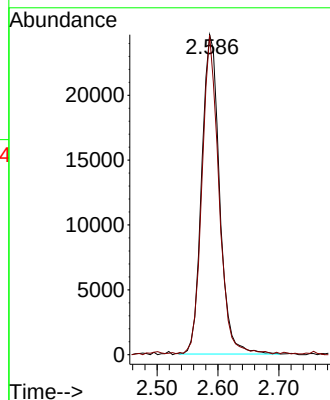
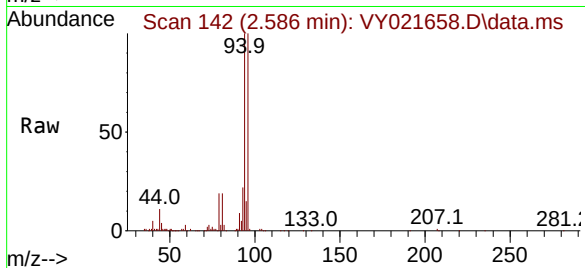




#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

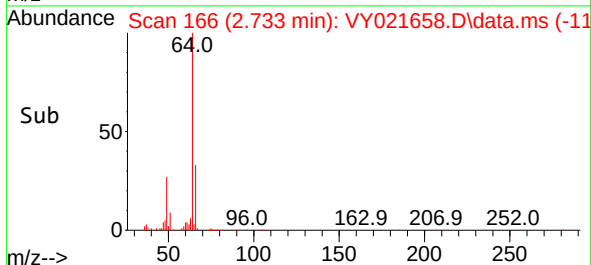
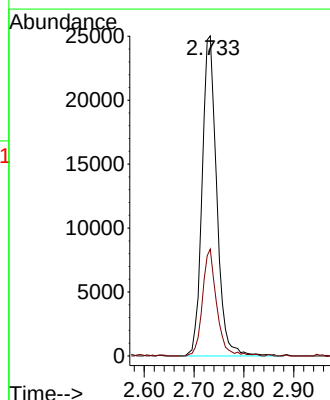
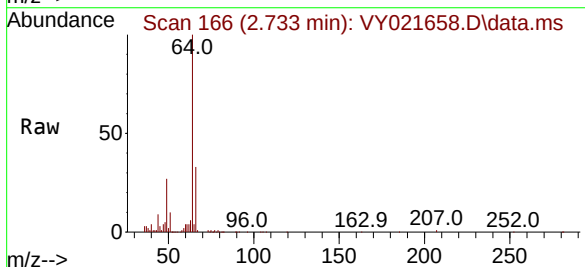
Instrument :
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ClientSampleId :
VSTDIC020

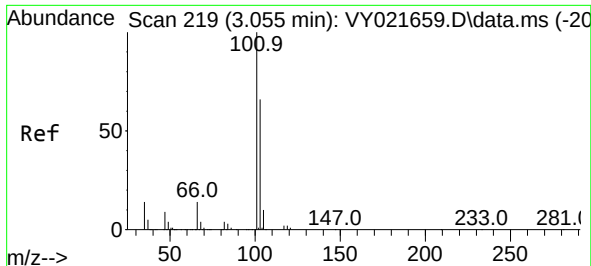
Tgt Ion: 94 Resp: 50238
Ion Ratio Lower Upper
94 100
96 99.7 72.8 109.2



#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 64 Resp: 50953
Ion Ratio Lower Upper
64 100
66 33.4 24.9 37.3

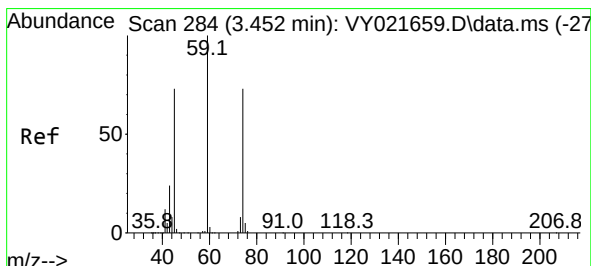
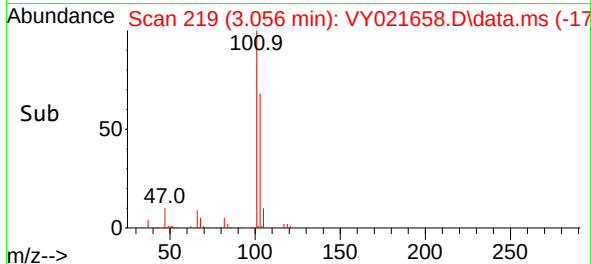
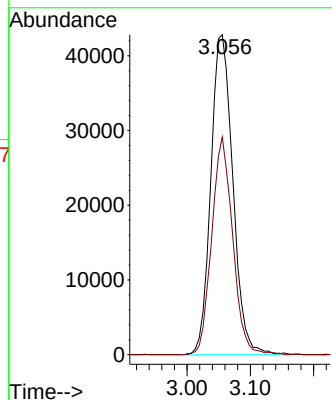
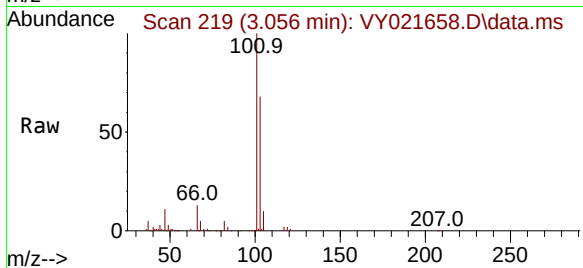




#7
 Trichlorofluoromethane
 Concen: 20.913 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

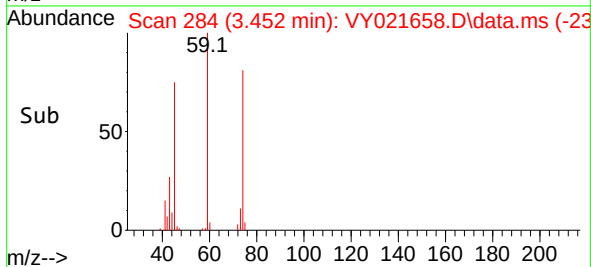
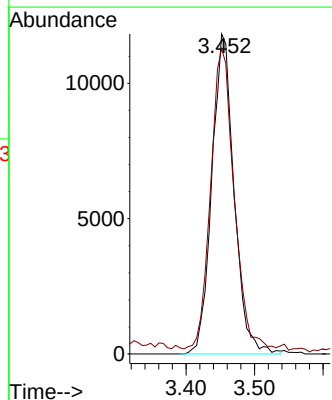
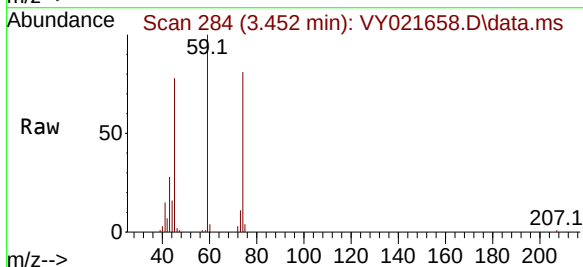
Instrument :
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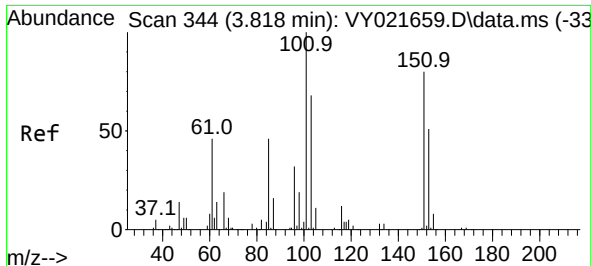
Tgt Ion:101 Resp: 103348
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.1 79.7



#8
 Diethyl Ether
 Concen: 19.788 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion: 74 Resp: 26594
 Ion Ratio Lower Upper
 74 100
 45 98.3 48.6 145.8

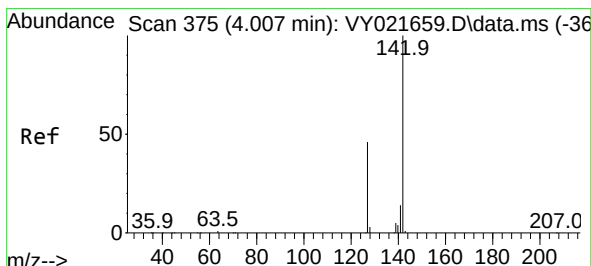
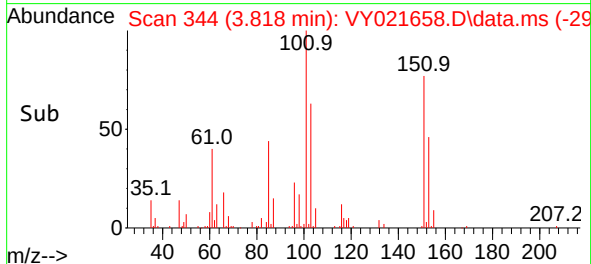
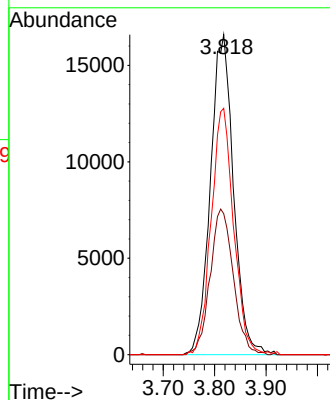
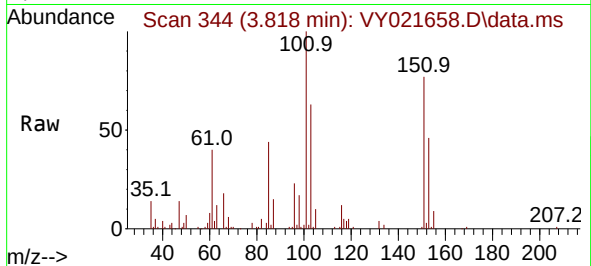




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

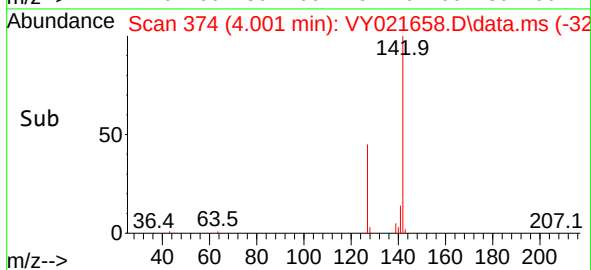
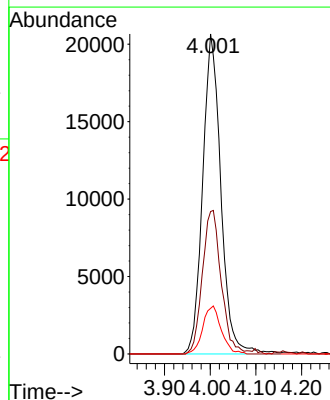
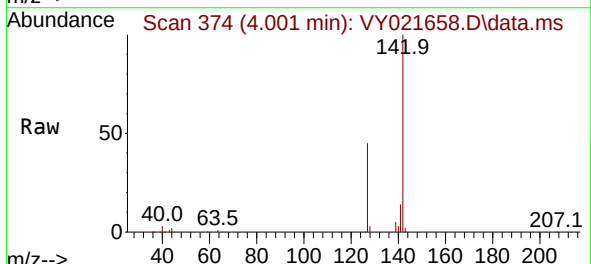
Instrument :
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ClientSampleId :
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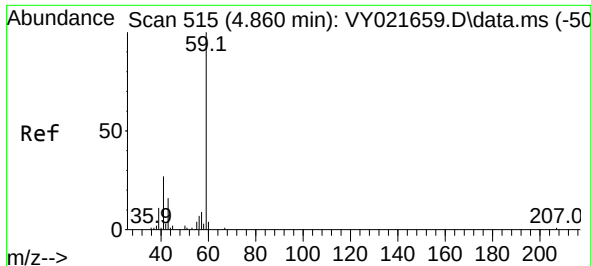
Tgt Ion:101 Resp: 51794
Ion Ratio Lower Upper
101 100
85 45.8 36.3 54.5
151 75.2 61.3 91.9



#10
Methyl Iodide
Concen: 19.974 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:142 Resp: 57115
Ion Ratio Lower Upper
142 100
127 46.4 38.7 58.1
141 15.2 11.5 17.3

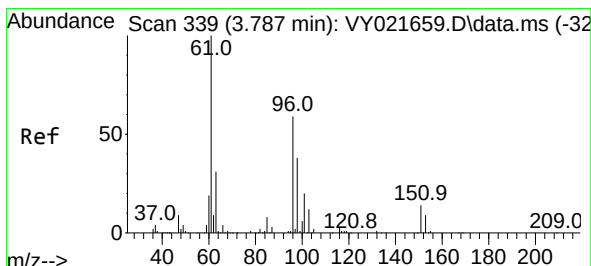
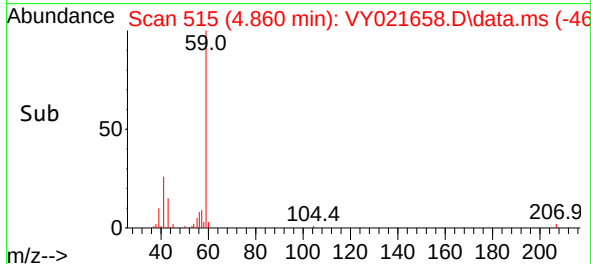
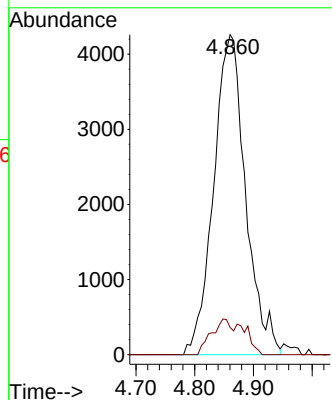
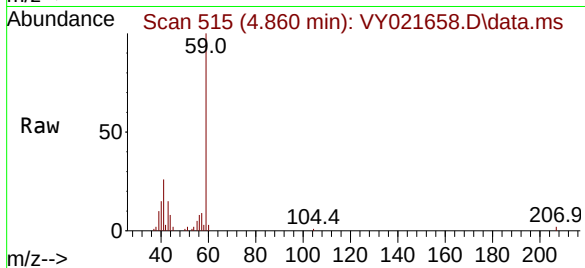




#11
Tert butyl alcohol
Concen: 97.834 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

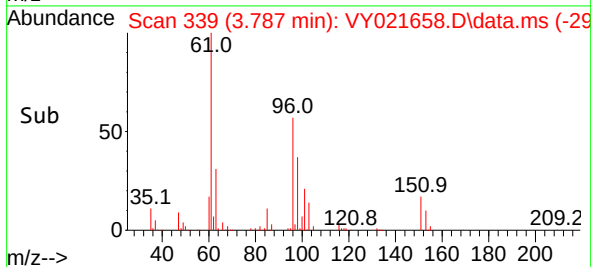
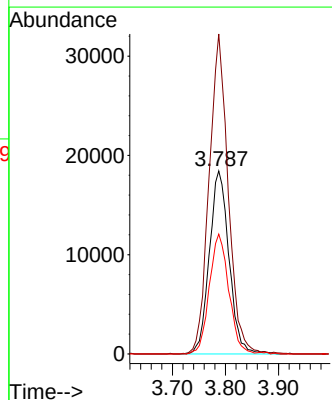
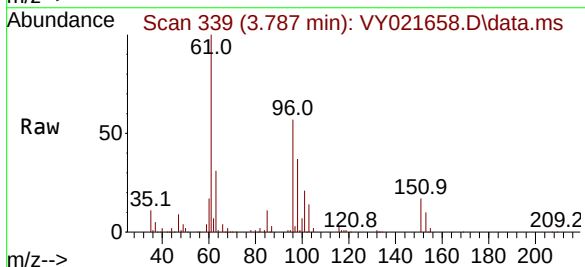
Instrument :
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ClientSampleId :
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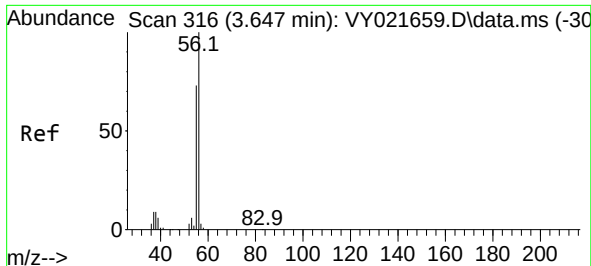
Tgt Ion: 59 Resp: 16115
Ion Ratio Lower Upper
59 100
57 7.2 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 19.362 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 47534
Ion Ratio Lower Upper
96 100
61 174.8 136.6 204.8
98 65.5 52.3 78.5





#13

Acrolein

Concen: 99.170 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

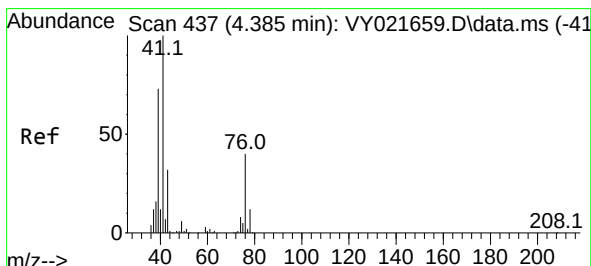
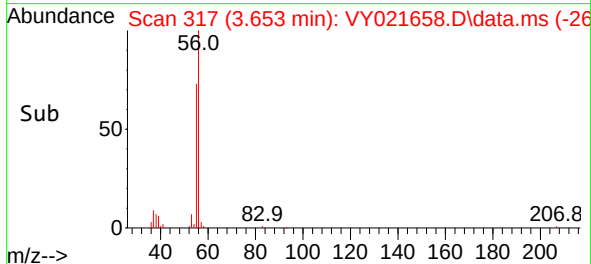
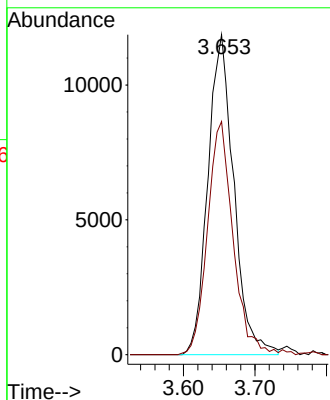
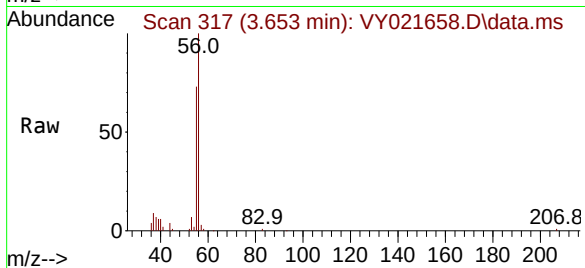
VSTDIC020

Tgt Ion: 56 Resp: 29827

Ion Ratio Lower Upper

56 100

55 71.8 56.6 85.0



#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

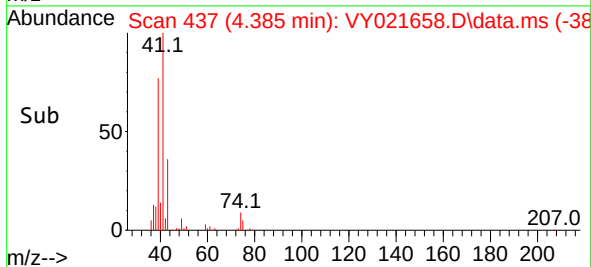
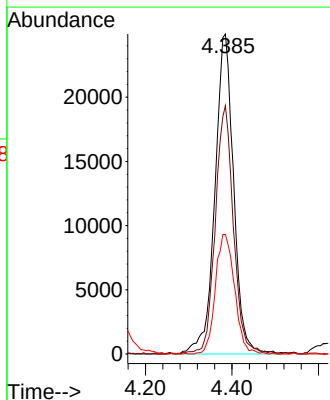
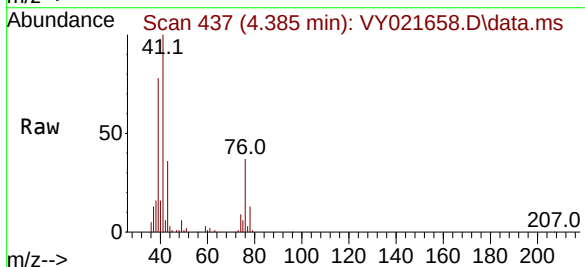
Tgt Ion: 41 Resp: 75169

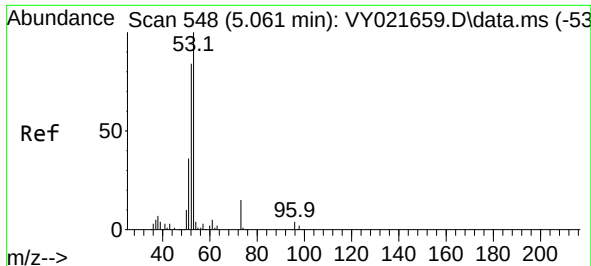
Ion Ratio Lower Upper

41 100

39 75.3 58.6 88.0

76 38.1 30.3 45.5

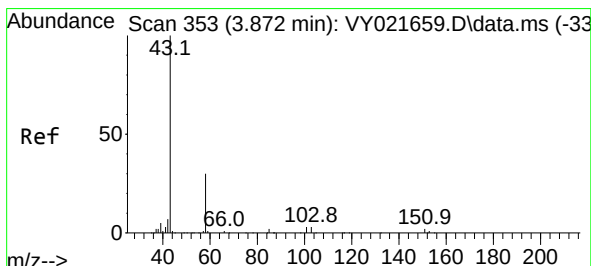
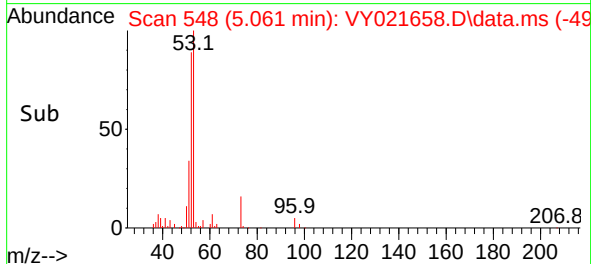
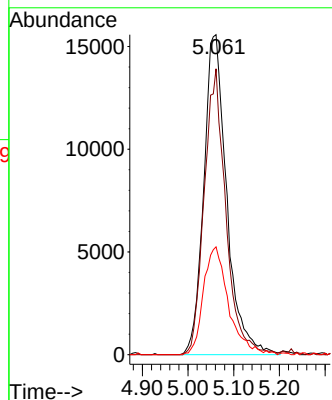
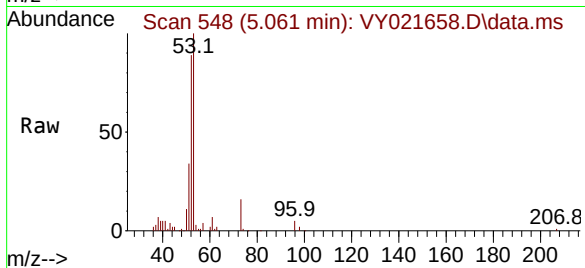




#15
Acrylonitrile
Concen: 97.084 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

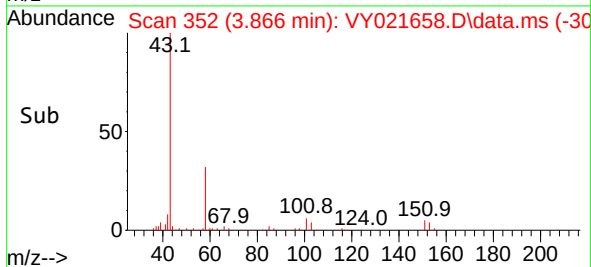
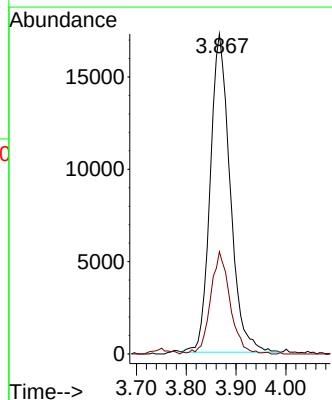
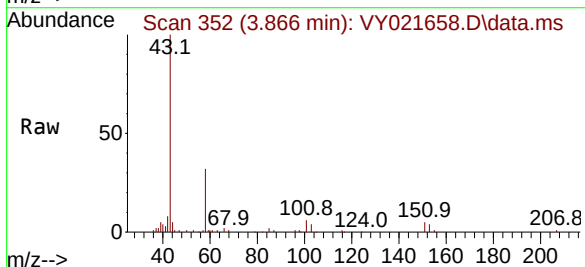
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

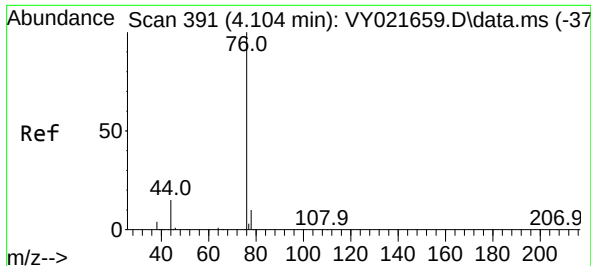
Tgt Ion:	53	Resp:	54478
Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.9	97.3
51	36.5	30.2	45.2



#16
Acetone
Concen: 92.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:	43	Resp:	47787
Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4

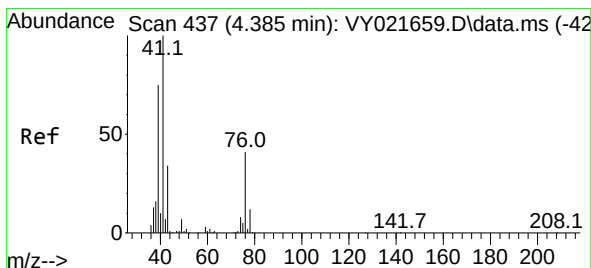
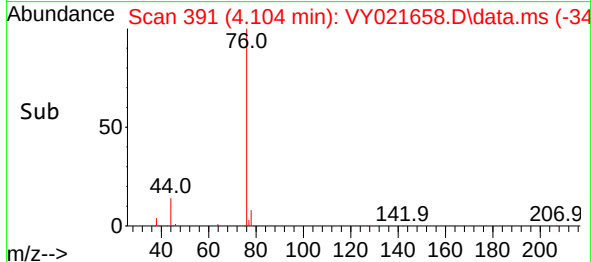
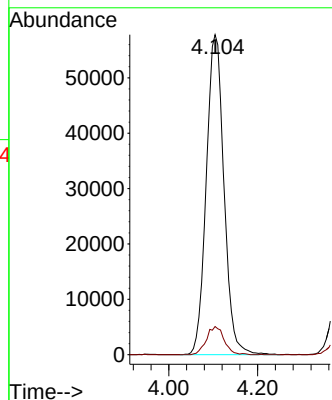
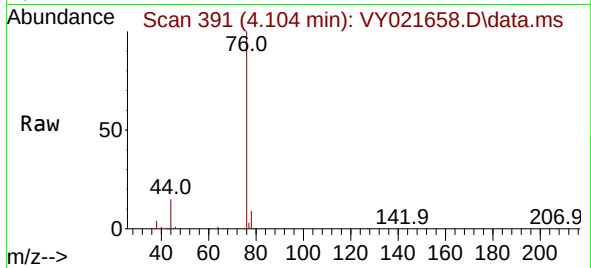




#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

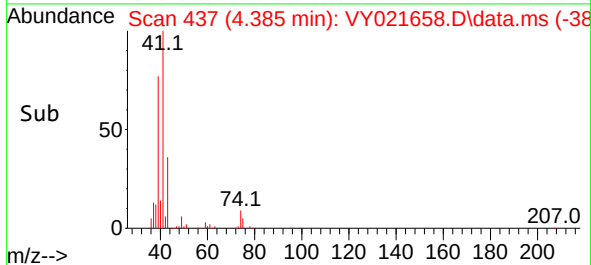
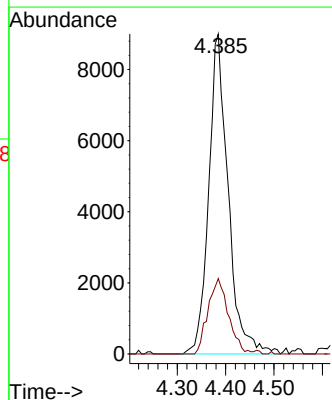
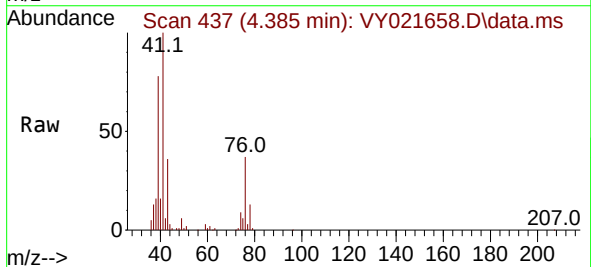
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

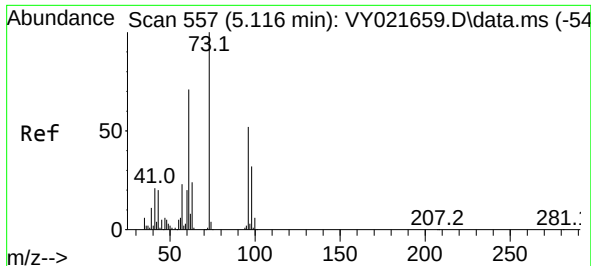
Tgt Ion: 76 Resp: 159960
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 19.099 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

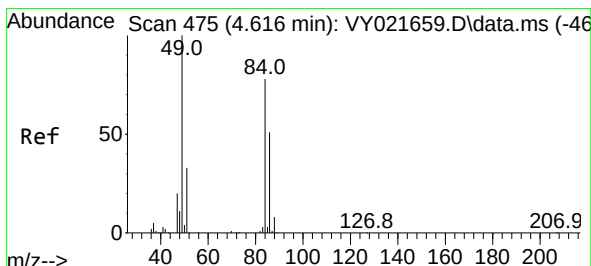
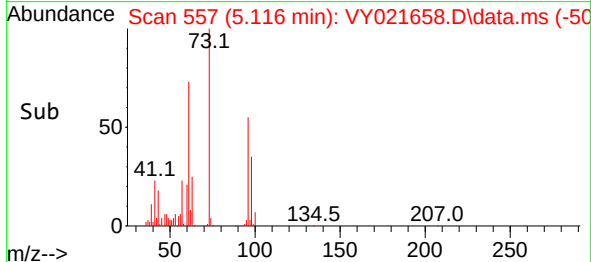
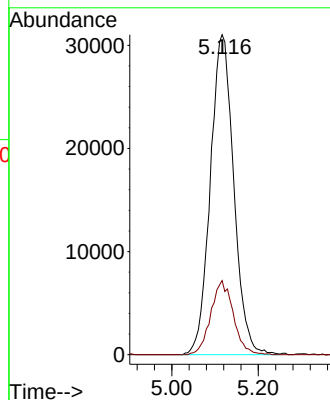
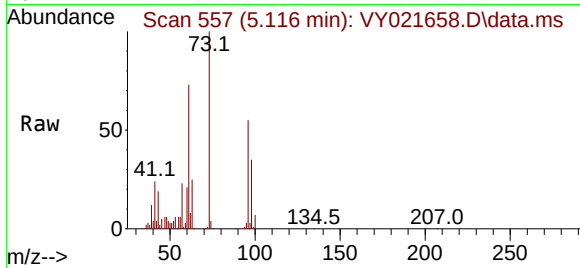
VSTDICC020

Tgt Ion: 73 Resp: 116736

Ion Ratio Lower Upper

73 100

57 23.1 18.1 27.1



#20

Methylene Chloride

Concen: 19.525 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574

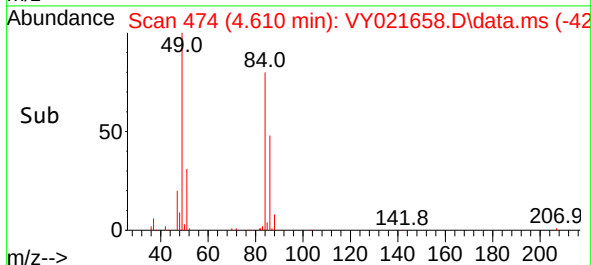
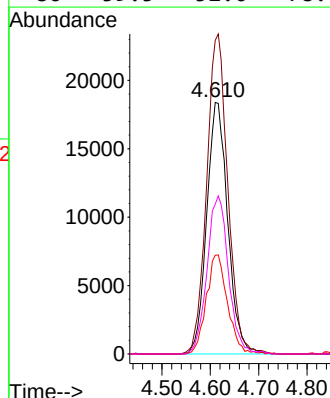
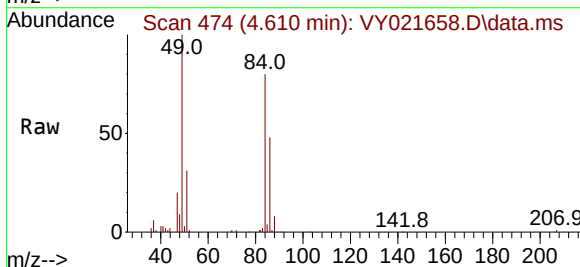
Ion Ratio Lower Upper

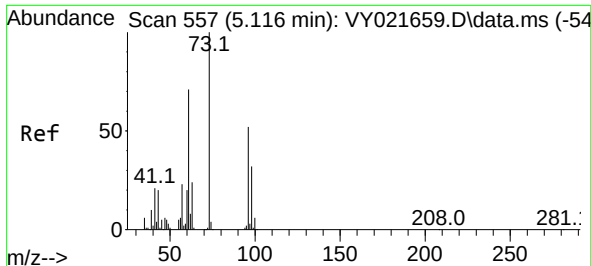
84 100

49 124.6 102.8 154.2

51 39.2 33.5 50.3

86 59.5 52.0 78.0

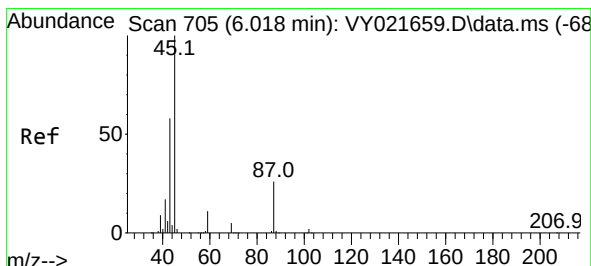
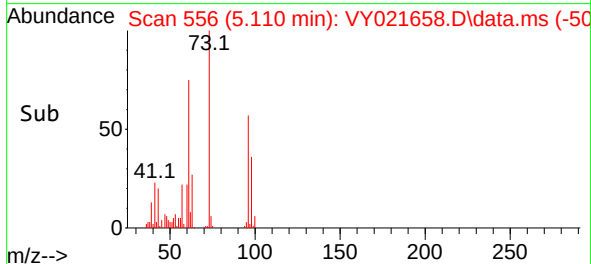
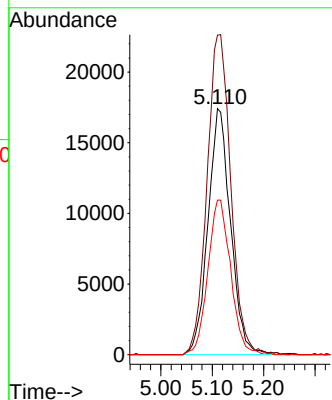
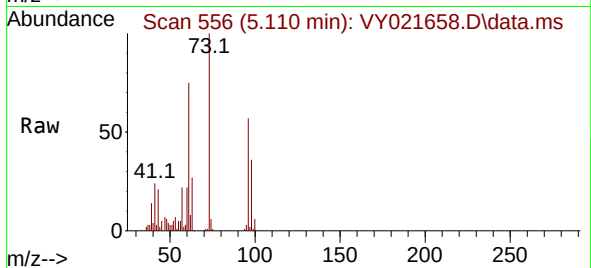




#21
trans-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

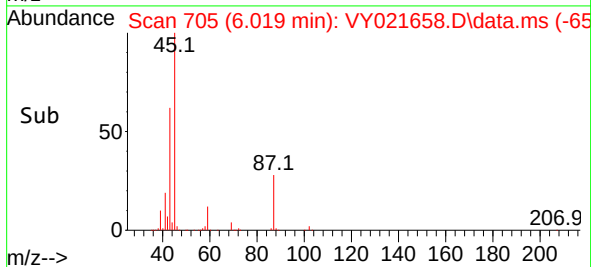
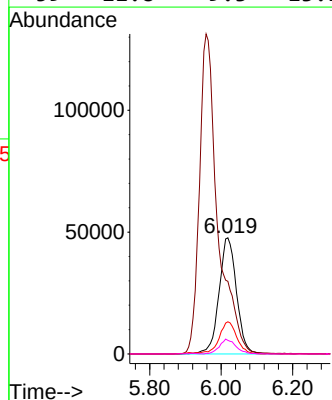
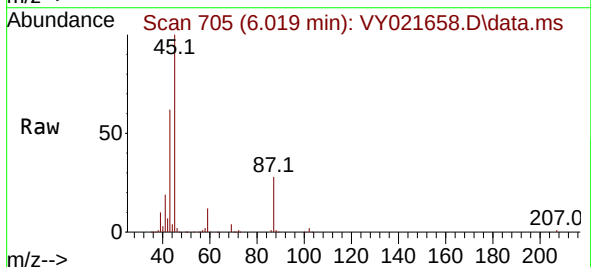
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

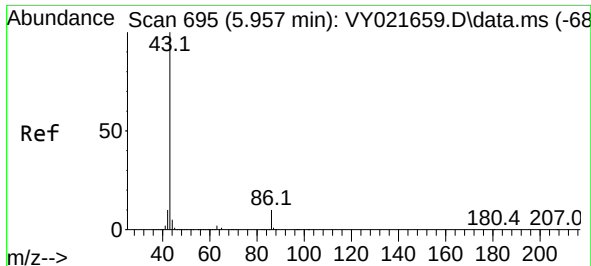
Tgt Ion: 96 Resp: 53188
Ion Ratio Lower Upper
96 100
61 129.9 109.4 164.0
98 62.8 50.2 75.2



#22
Diisopropyl ether
Concen: 19.747 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151
Ion Ratio Lower Upper
45 100
43 62.4 46.6 69.8
87 27.7 20.7 31.1
59 11.8 9.3 13.9

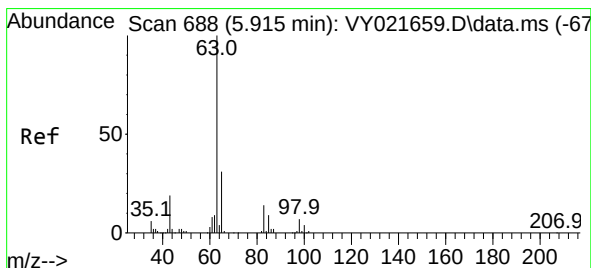
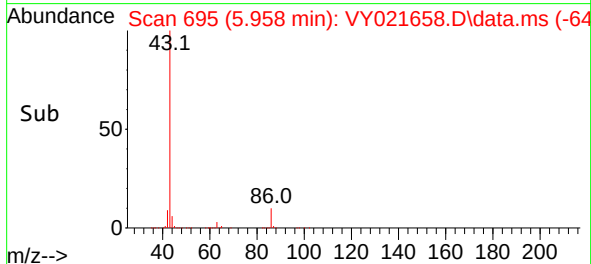
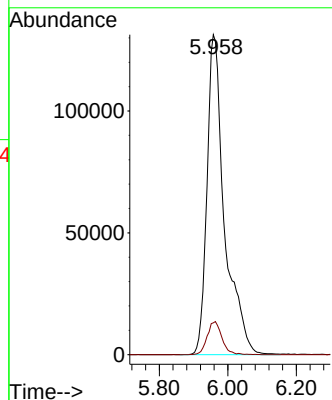
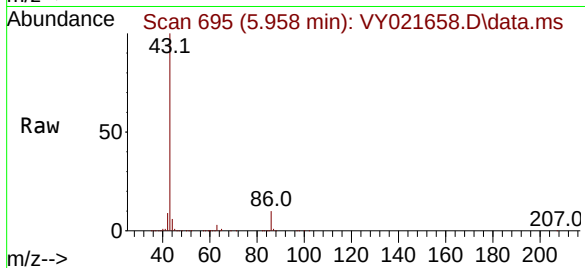




#23
 Vinyl Acetate
 Concen: 97.433 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

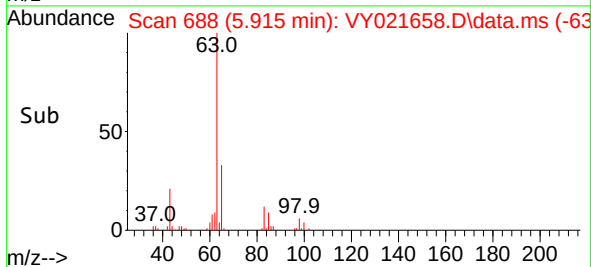
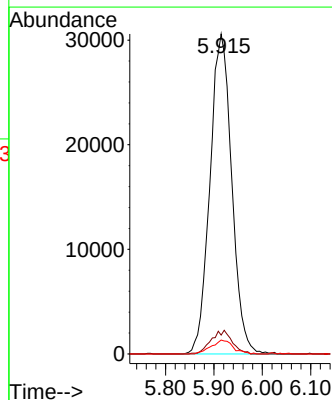
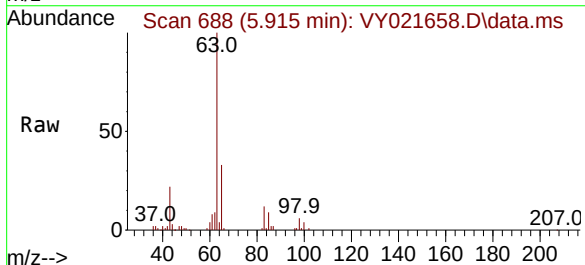
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

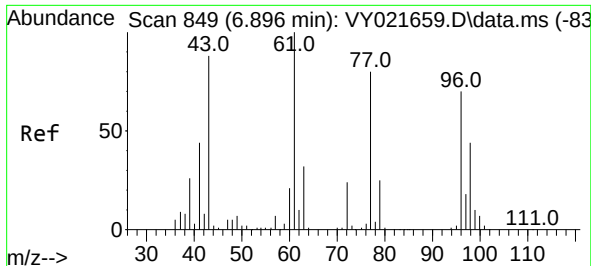
Tgt Ion: 43 Resp: 468035
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 19.520 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 95841
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 94.233 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

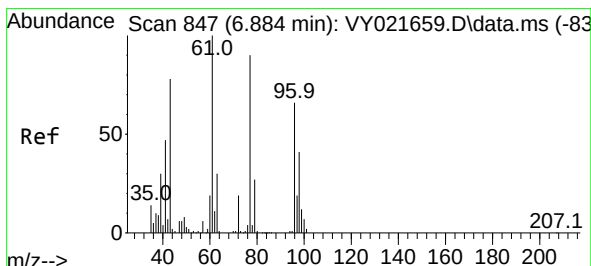
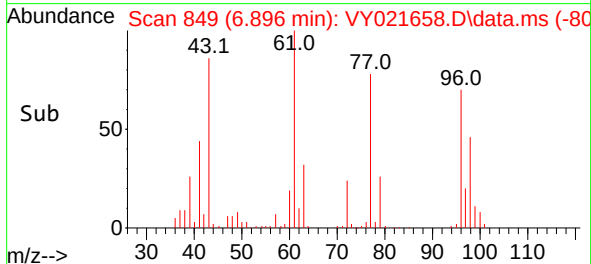
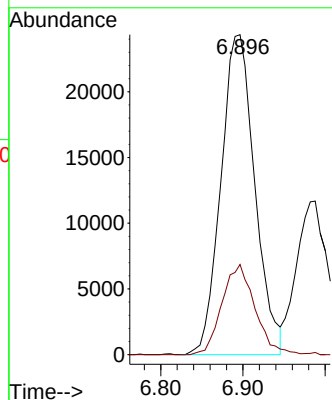
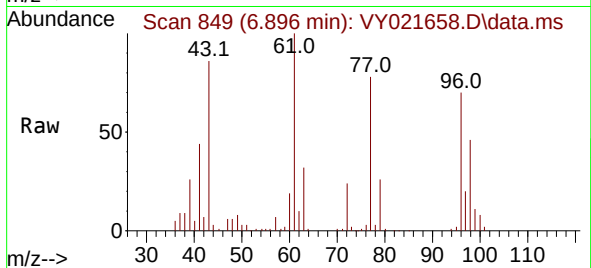
VSTDIC020

Tgt Ion: 43 Resp: 69856

Ion Ratio Lower Upper

43 100

72 28.2 21.4 32.2



#26

2,2-Dichloropropane

Concen: 19.217 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021658.D

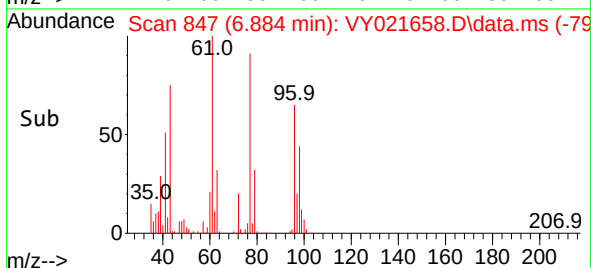
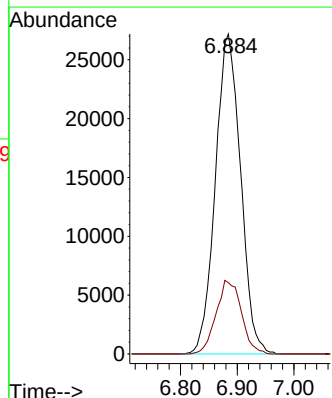
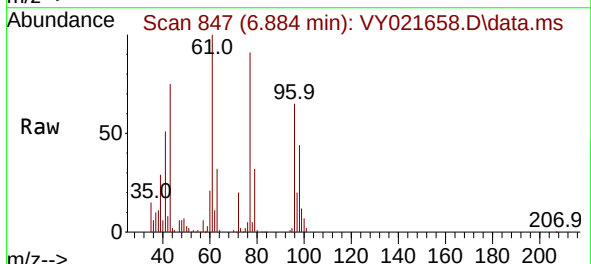
Acq: 27 Mar 2025 10:54

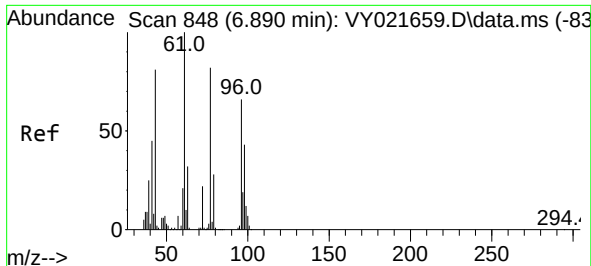
Tgt Ion: 77 Resp: 83932

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.266 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

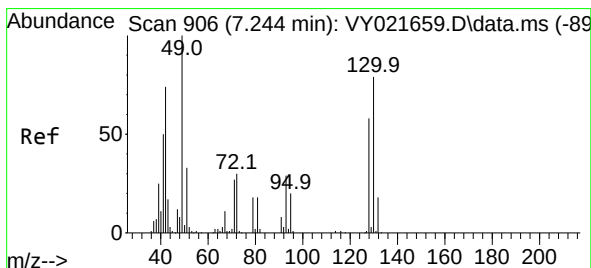
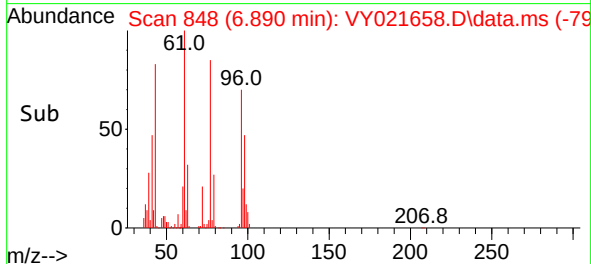
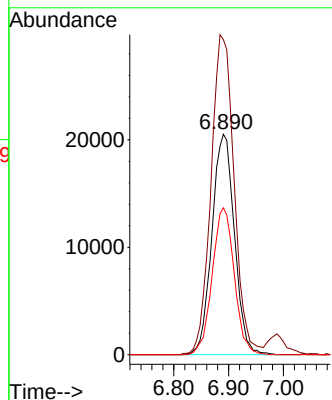
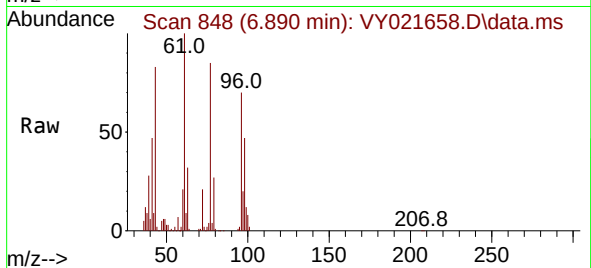
Tgt Ion: 96 Resp: 58567

Ion Ratio Lower Upper

96 100

61 149.2 0.0 296.4

98 65.3 0.0 128.0



#28

Bromochloromethane

Concen: 19.149 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

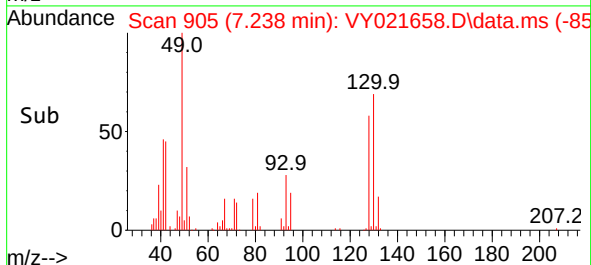
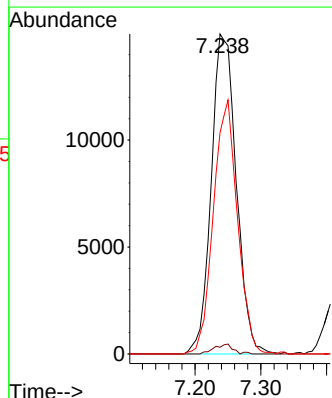
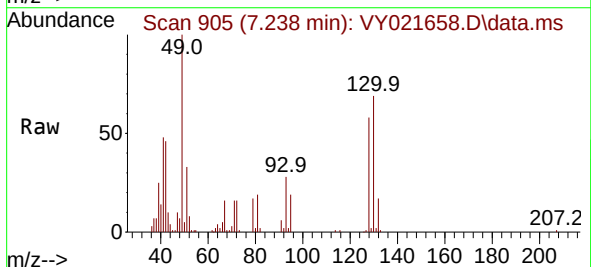
Tgt Ion: 49 Resp: 39653

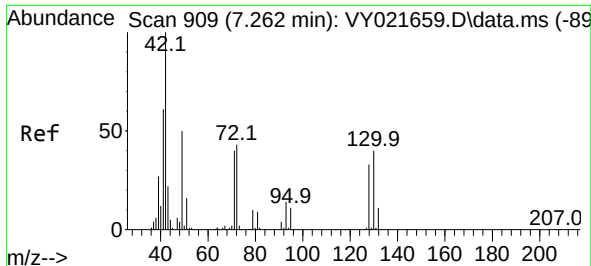
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 94.626 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

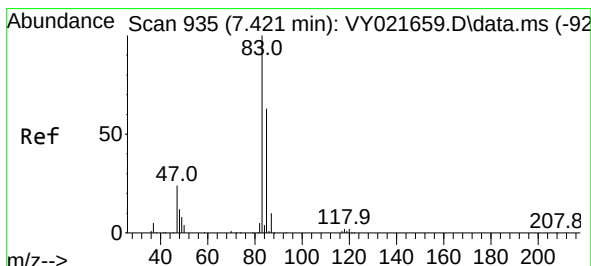
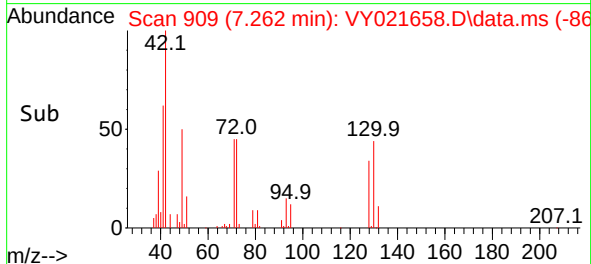
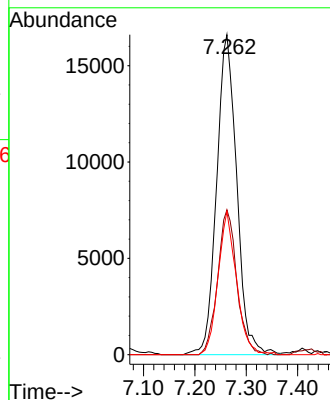
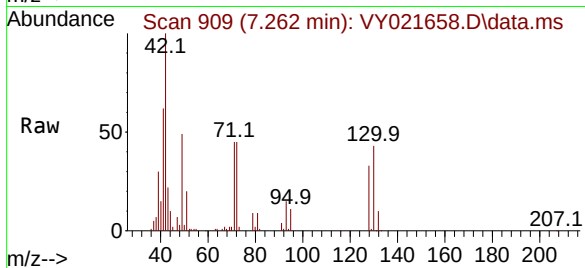
Tgt Ion: 42 Resp: 45146

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

71 41.0 32.5 48.7



#30

Chloroform

Concen: 19.462 ug/l

RT: 7.415 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY021658.D

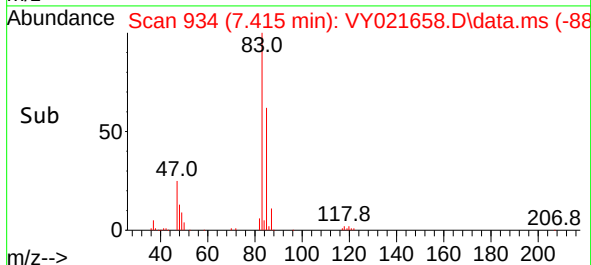
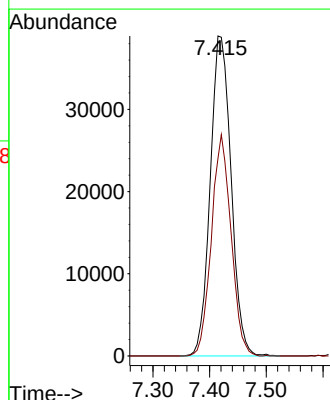
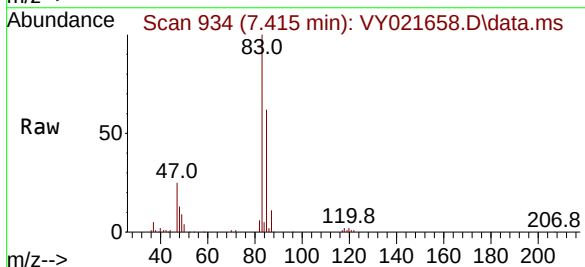
Acq: 27 Mar 2025 10:54

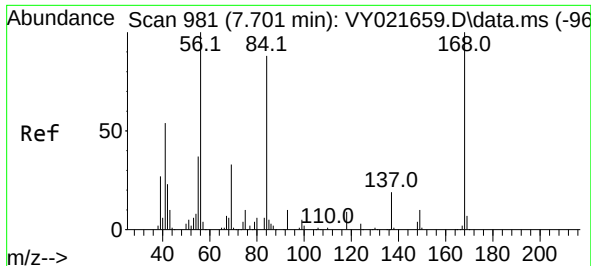
Tgt Ion: 83 Resp: 99390

Ion Ratio Lower Upper

83 100

85 61.7 50.6 75.8

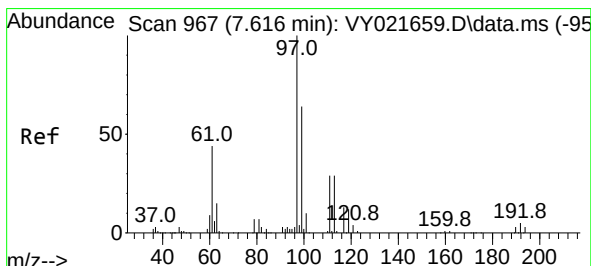
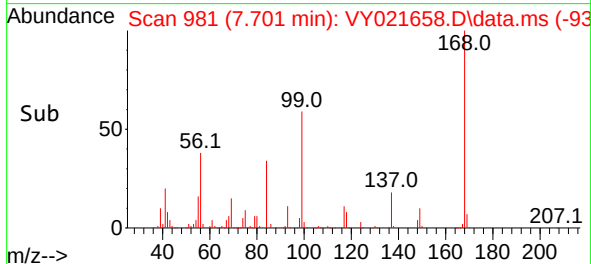
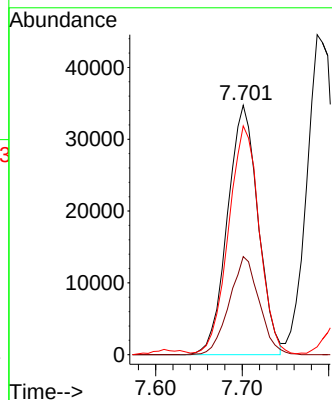
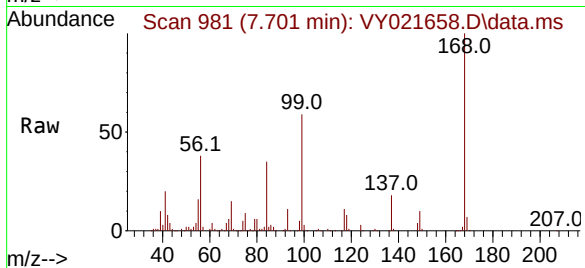




#31
Cyclohexane
Concen: 19.075 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

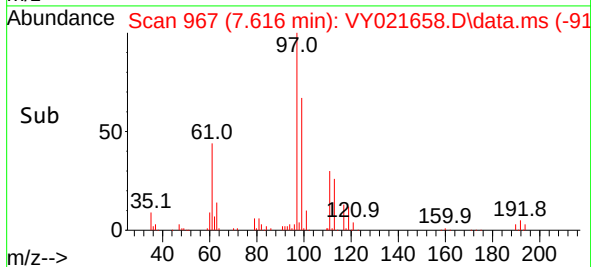
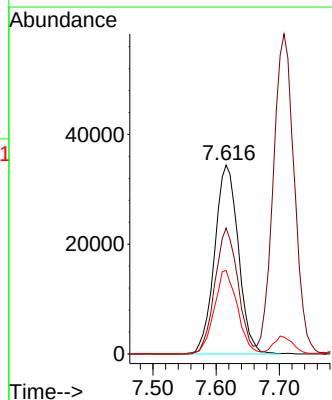
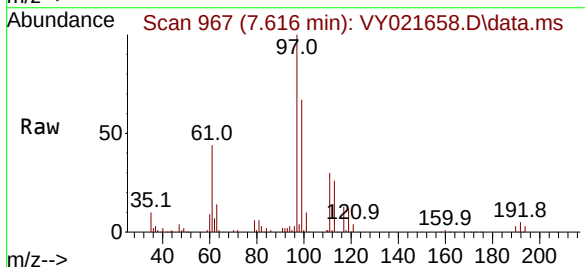
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

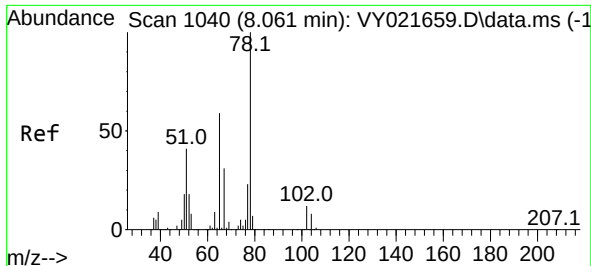
Tgt Ion: 56 Resp: 85377
Ion Ratio Lower Upper
56 100
69 39.3 26.6 40.0
84 90.0 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 19.459 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 89818
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 18.542 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

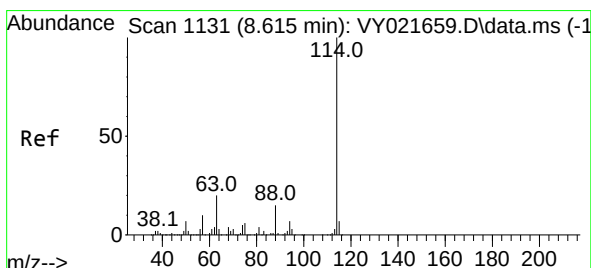
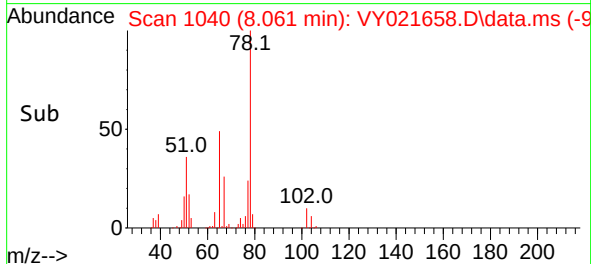
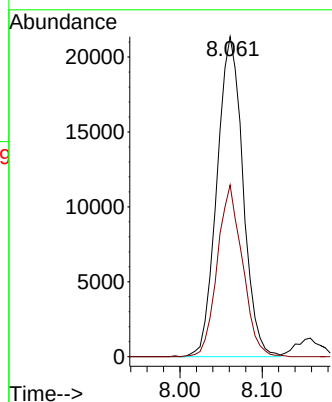
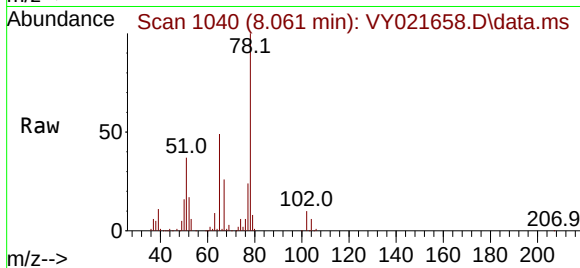
VSTDICC020

Tgt Ion: 65 Resp: 47022

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

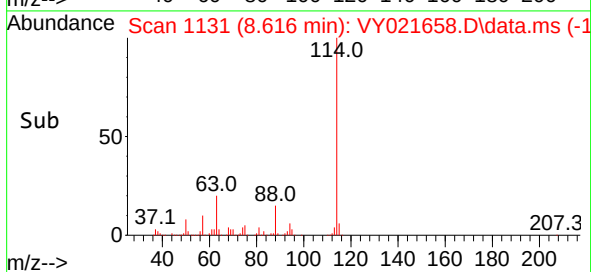
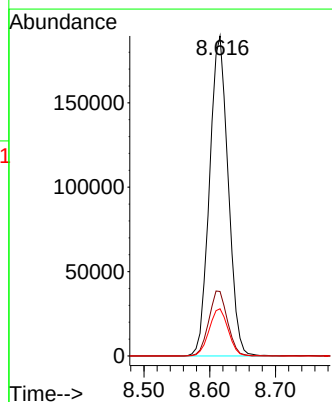
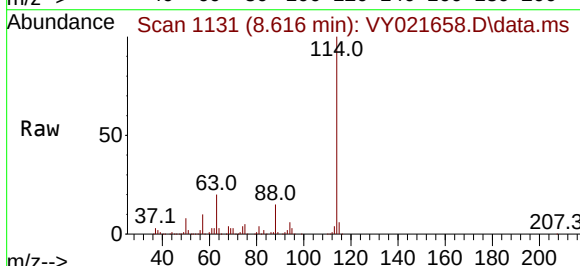
Tgt Ion: 114 Resp: 372865

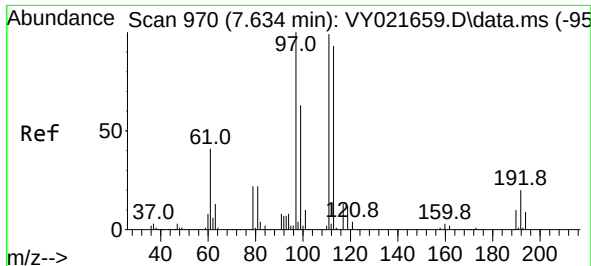
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.8 0.0 29.8

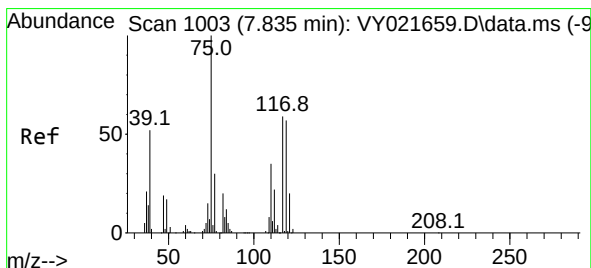
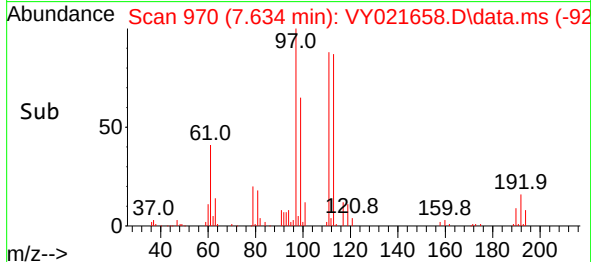
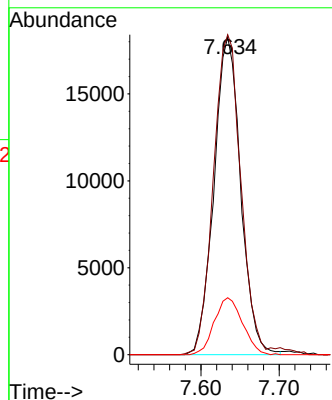
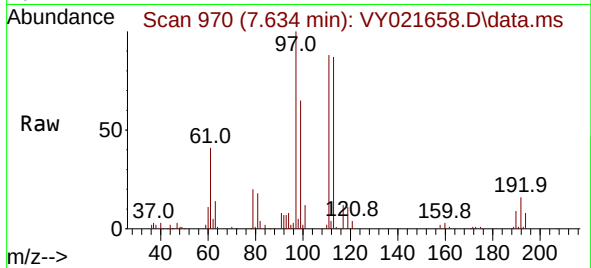




#35
Dibromofluoromethane
Concen: 17.910 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

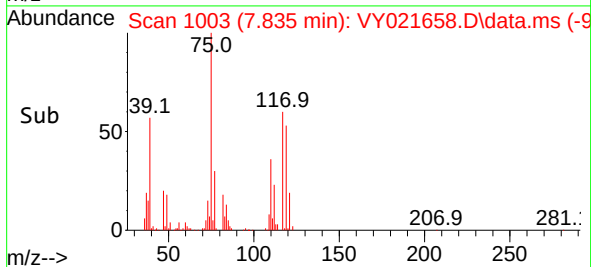
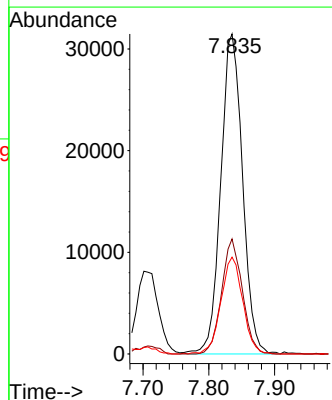
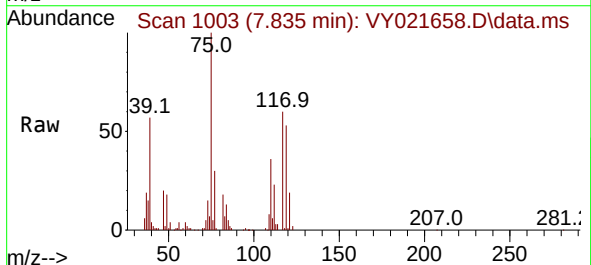
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

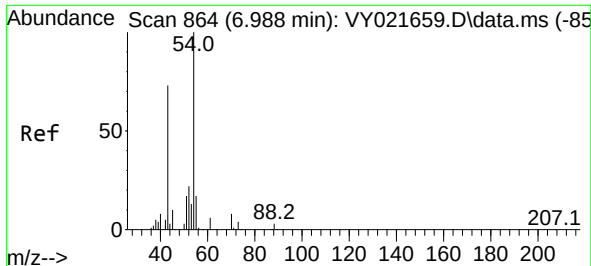
Tgt Ion:113 Resp: 43318
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 19.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 19.697 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 72566
Ion Ratio Lower Upper
75 100
110 34.2 17.0 50.9
77 30.3 24.8 37.2





#37

Ethyl Acetate

Concen: 18.585 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

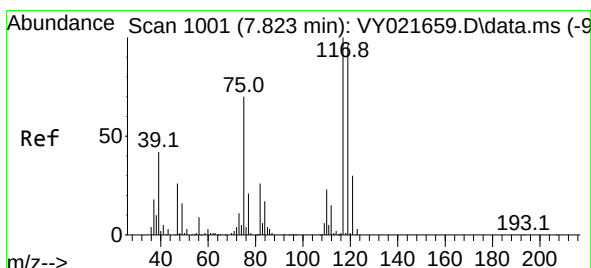
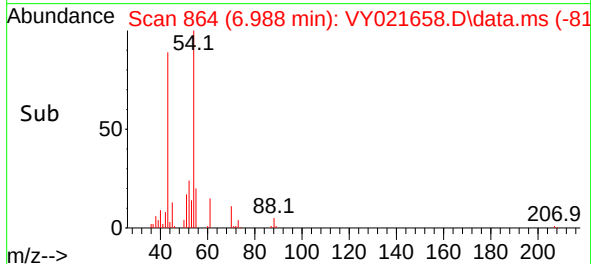
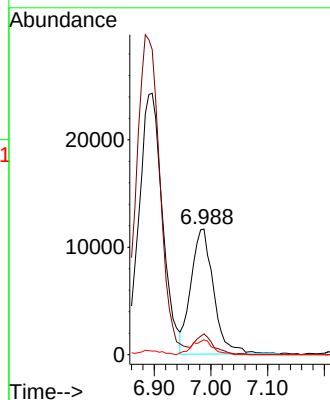
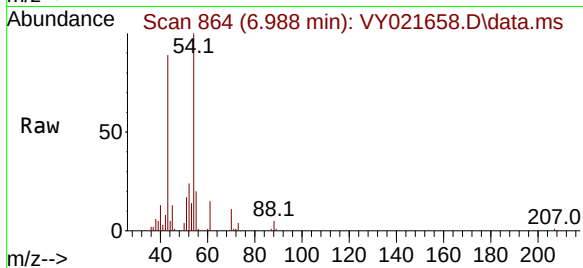
Tgt Ion: 43 Resp: 32313

Ion Ratio Lower Upper

43 100

61 12.1 11.0 16.6

70 10.9 8.1 12.1



#38

Carbon Tetrachloride

Concen: 19.308 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

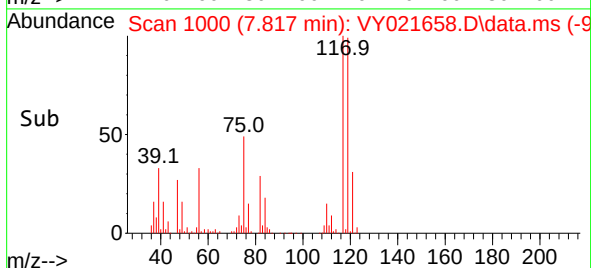
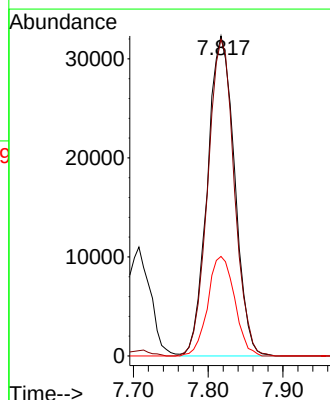
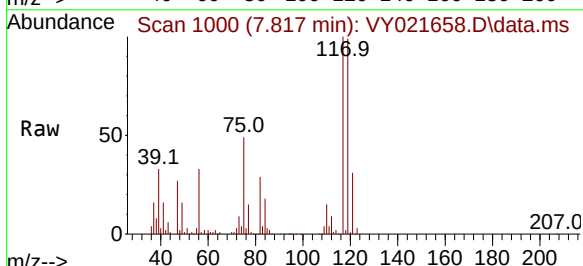
Tgt Ion: 117 Resp: 81472

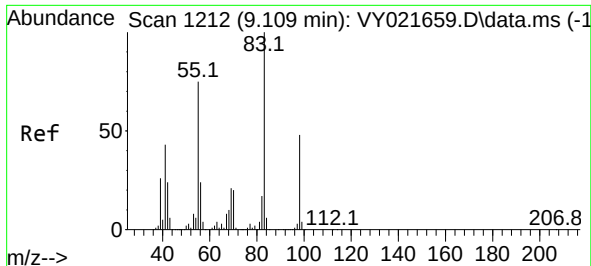
Ion Ratio Lower Upper

117 100

119 99.0 76.2 114.4

121 31.1 24.2 36.4





#39

Methylcyclohexane

Concen: 19.269 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

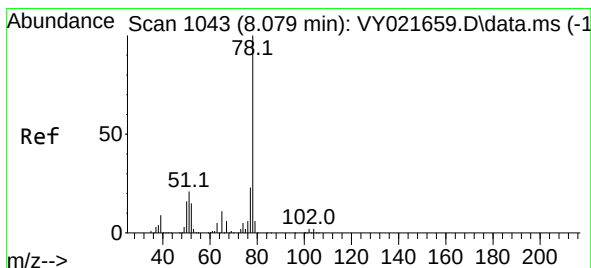
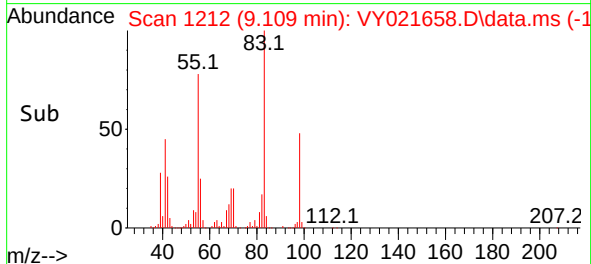
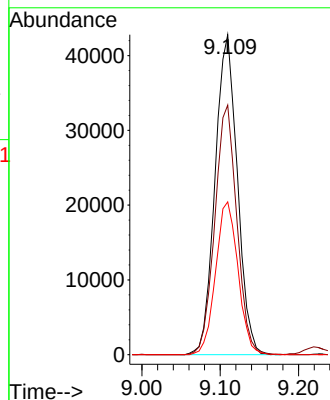
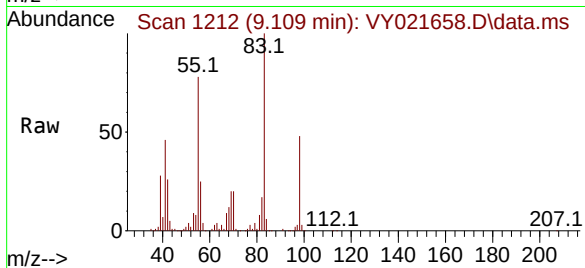
Tgt Ion: 83 Resp: 84802

Ion Ratio Lower Upper

83 100

55 78.0 59.7 89.5

98 47.8 38.3 57.5



#40

Benzene

Concen: 19.313 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021658.D

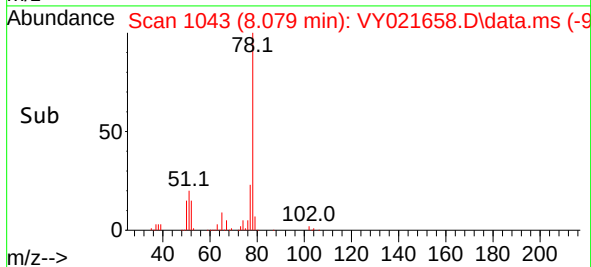
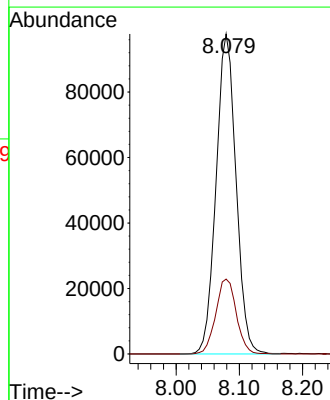
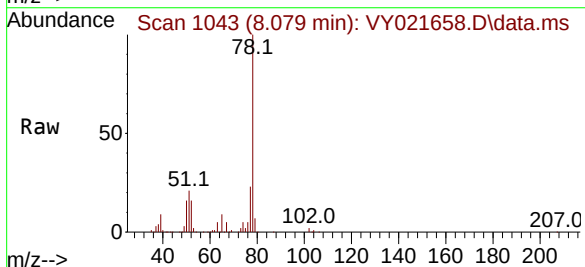
Acq: 27 Mar 2025 10:54

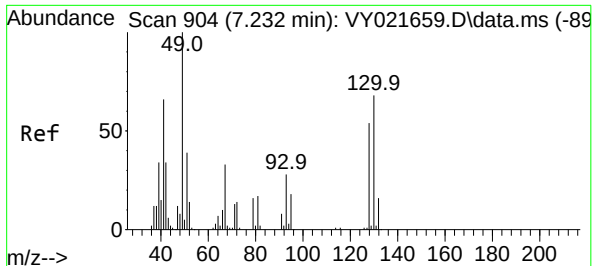
Tgt Ion: 78 Resp: 213074

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2

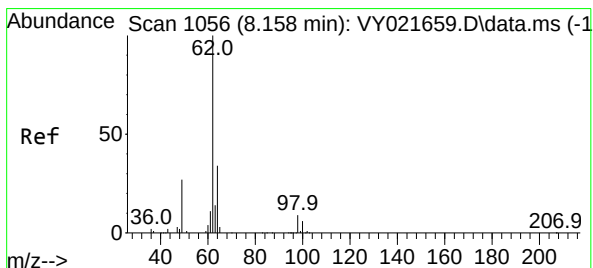
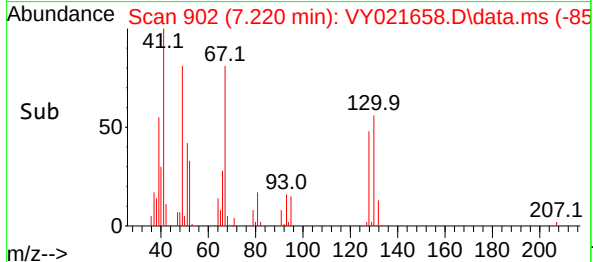
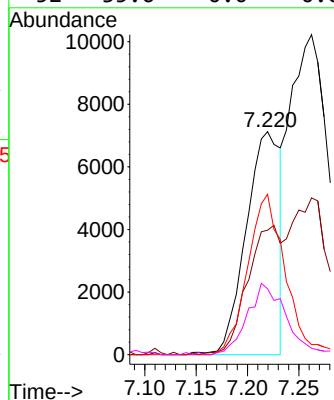
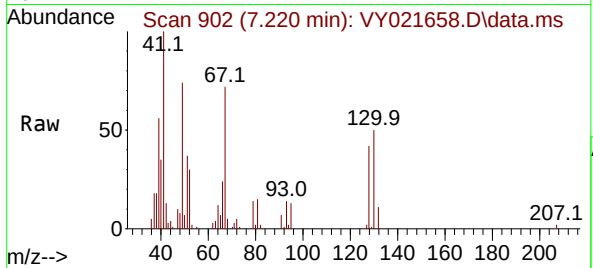




#41
Methacrylonitrile
Concen: 17.853 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

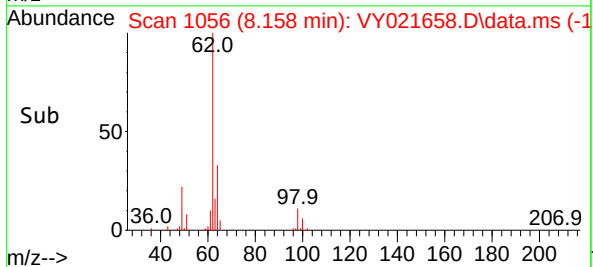
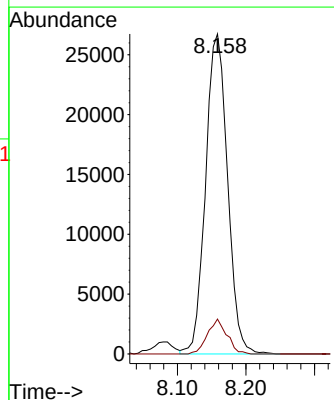
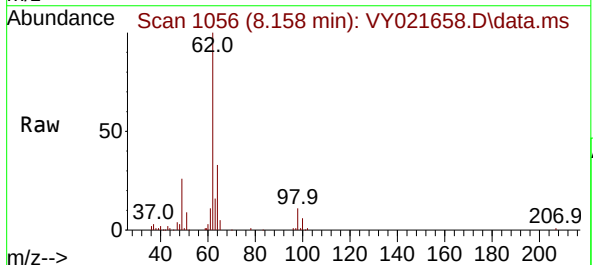
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

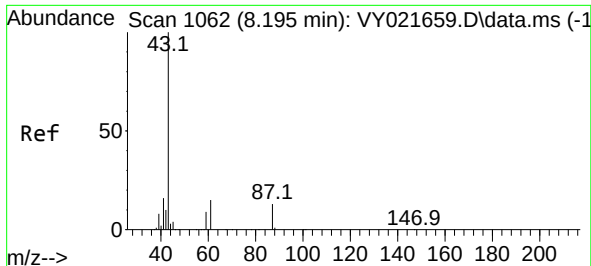
Tgt Ion:	41	Resp:	16483
Ion	Ratio	Lower	Upper
41	100		
39	55.7	0.0	0.0#
67	78.7	0.0	0.0#
52	35.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:	62	Resp:	59552
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4

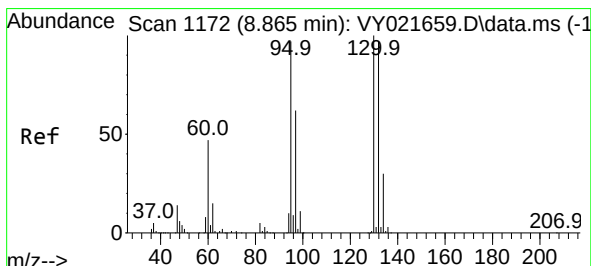
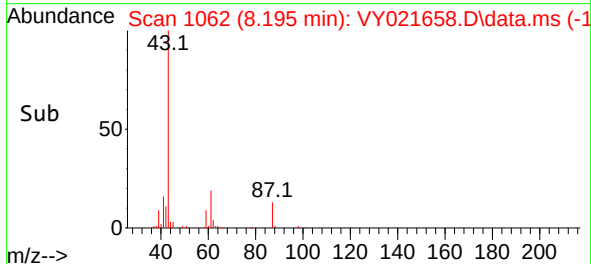
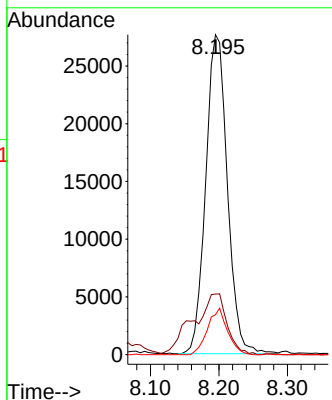
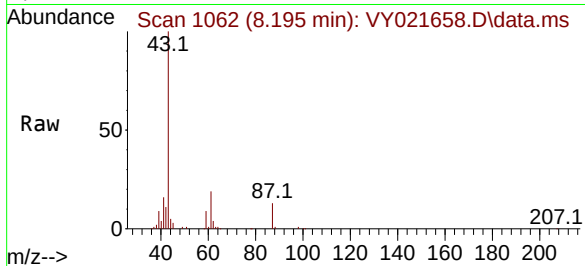




#43
Isopropyl Acetate
Concen: 18.451 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

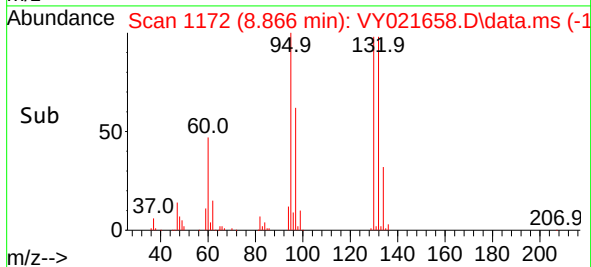
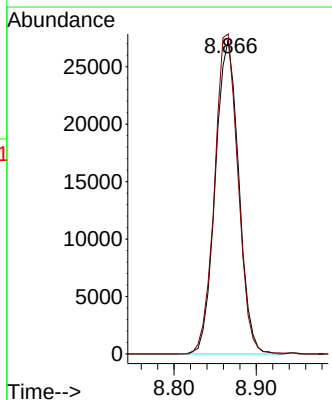
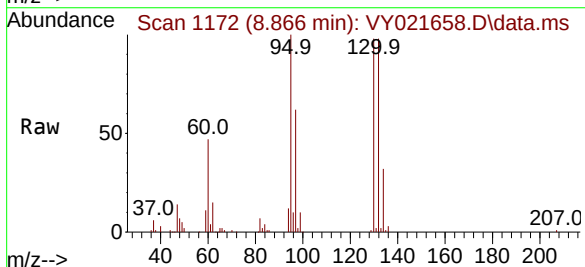
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

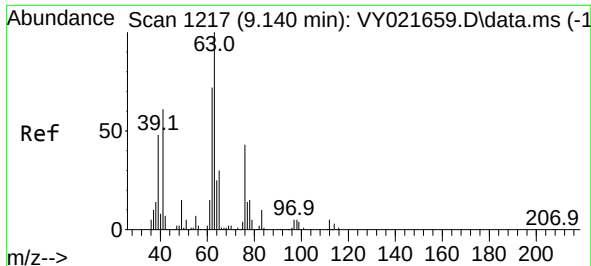
Tgt Ion: 43 Resp: 60795
Ion Ratio Lower Upper
43 100
61 29.8 15.9 23.9#
87 13.4 10.4 15.6



#44
Trichloroethene
Concen: 19.215 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 130 Resp: 54015
Ion Ratio Lower Upper
130 100
95 102.0 0.0 194.8





#45

1,2-Dichloropropane

Concen: 19.088 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

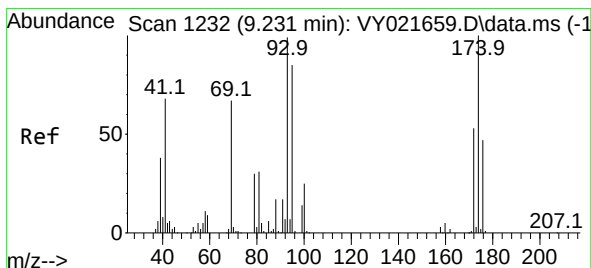
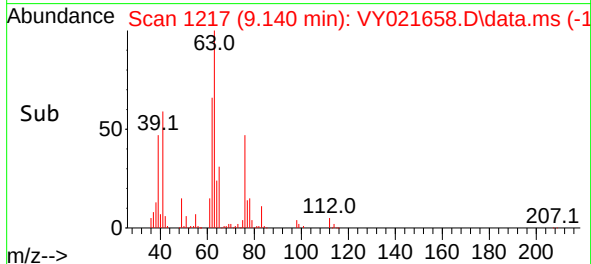
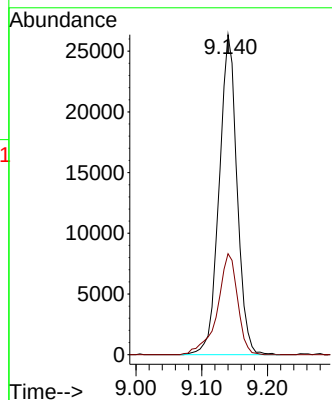
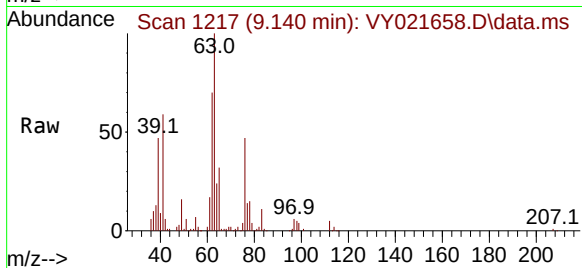
VSTDIC020

Tgt Ion: 63 Resp: 49850

Ion Ratio Lower Upper

63 100

65 31.5 24.4 36.6



#46

Dibromomethane

Concen: 19.067 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

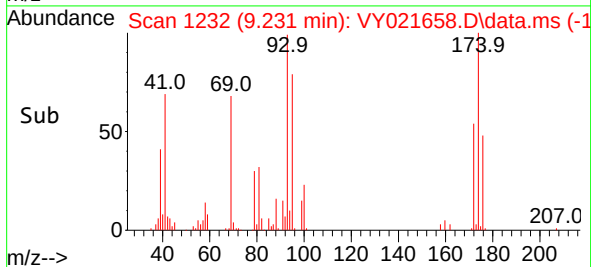
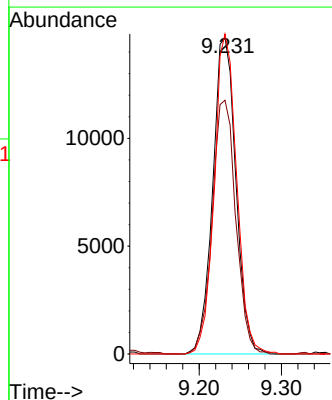
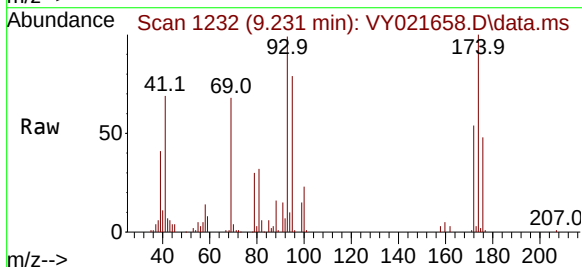
Tgt Ion: 93 Resp: 28698

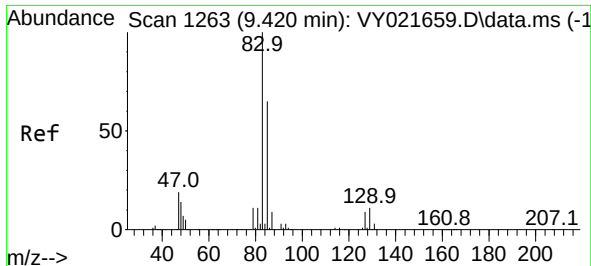
Ion Ratio Lower Upper

93 100

95 81.9 68.1 102.1

174 97.9 80.9 121.3

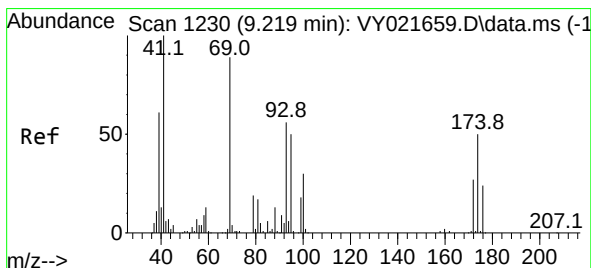
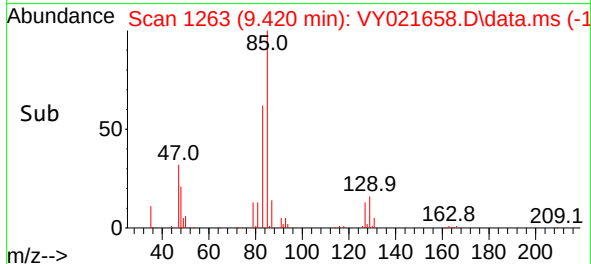
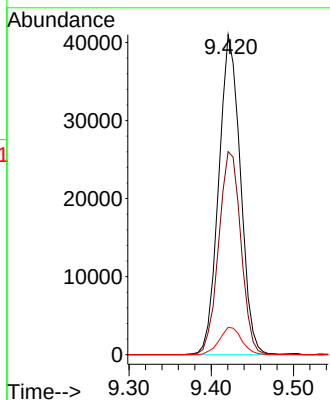
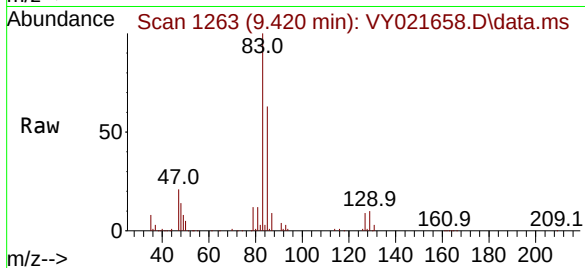




#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

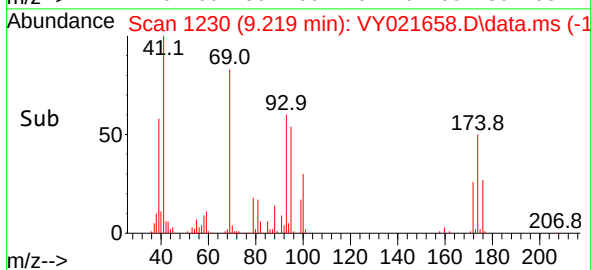
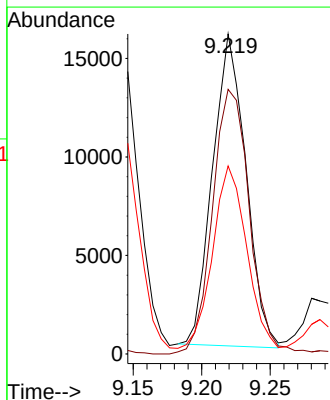
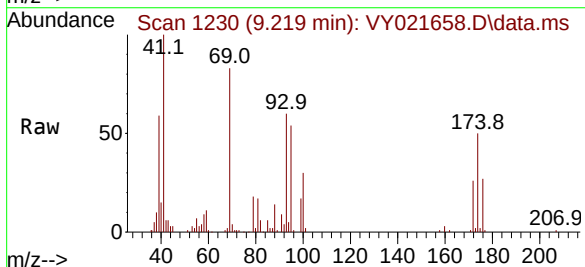
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

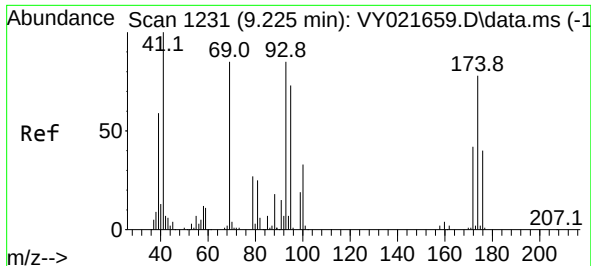
Tgt Ion:	83	Resp:	75123
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.5	6.8	10.2



#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:	41	Resp:	26759
Ion	Ratio	Lower	Upper
41	100		
69	95.3	69.8	104.8
39	60.0	47.2	70.8





#49

1,4-Dioxane

Concen: 388.254 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

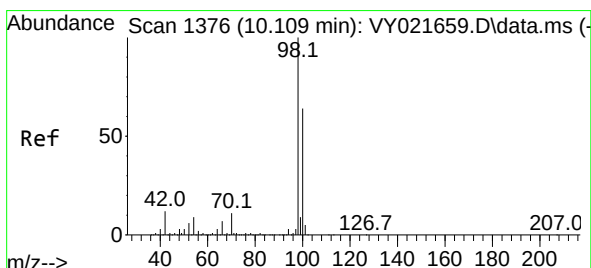
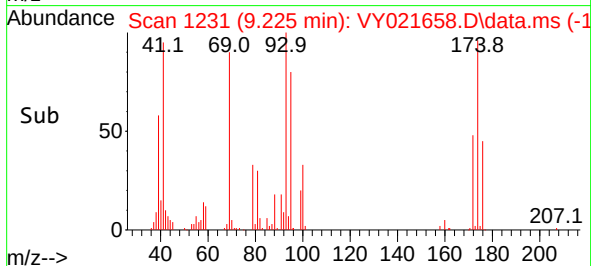
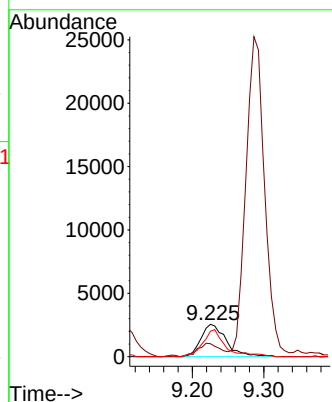
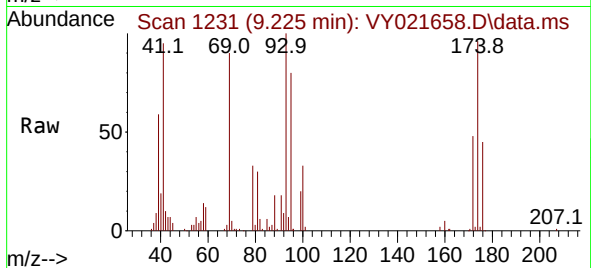
Tgt Ion: 88 Resp: 6260

Ion Ratio Lower Upper

88 100

43 36.8 28.8 43.2

58 75.8 59.4 89.2



#50

Toluene-d8

Concen: 18.262 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021658.D

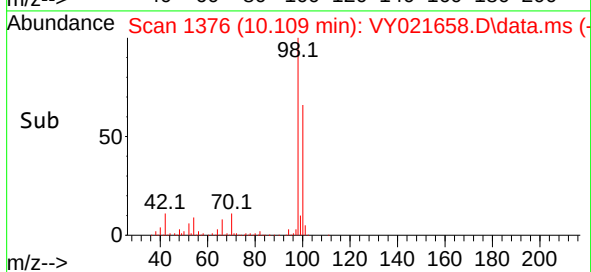
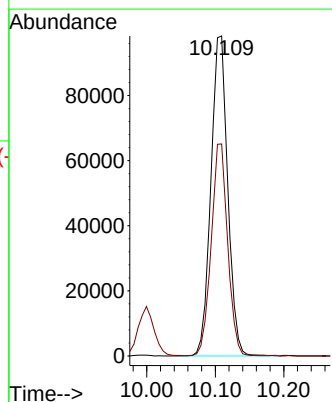
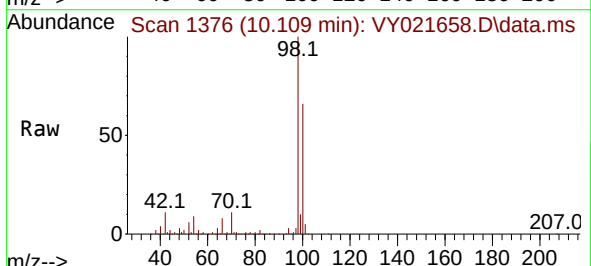
Acq: 27 Mar 2025 10:54

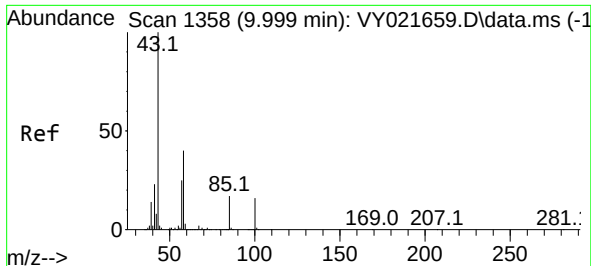
Tgt Ion: 98 Resp: 168040

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 95.304 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

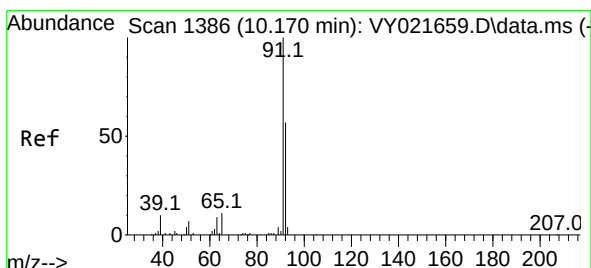
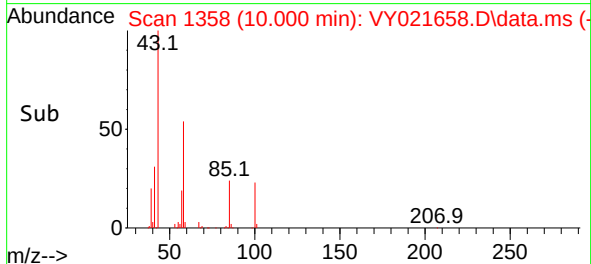
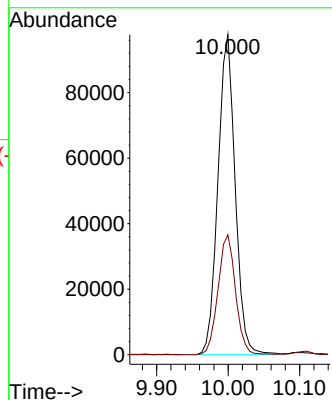
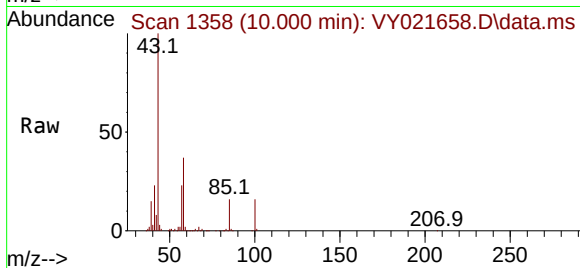
VSTDIC020

Tgt Ion: 43 Resp: 163415

Ion Ratio Lower Upper

43 100

58 38.1 31.5 47.3



#52

Toluene

Concen: 19.340 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021658.D

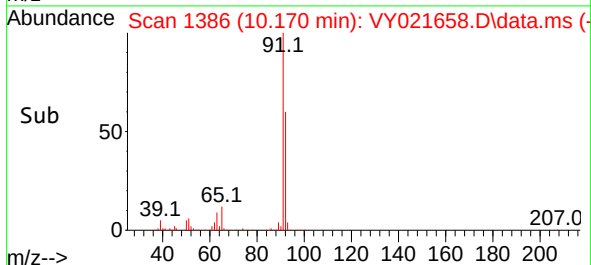
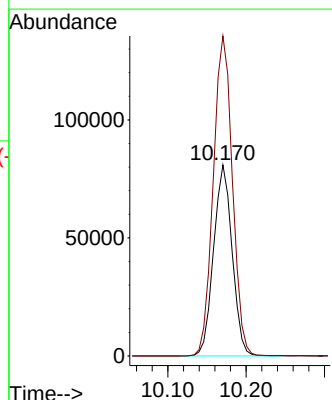
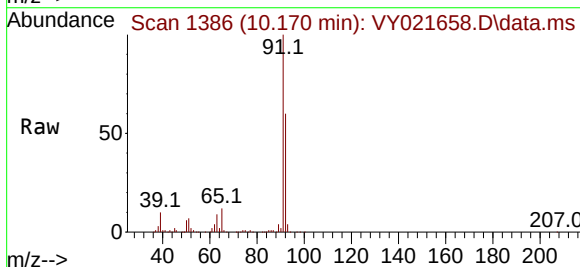
Acq: 27 Mar 2025 10:54

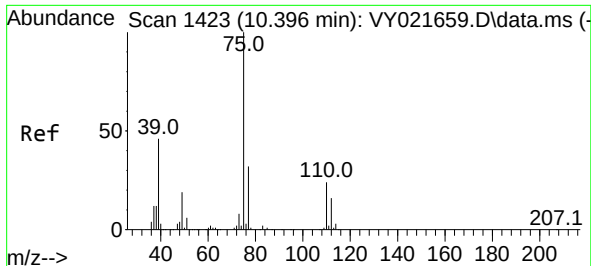
Tgt Ion: 92 Resp: 133126

Ion Ratio Lower Upper

92 100

91 173.2 138.6 207.8

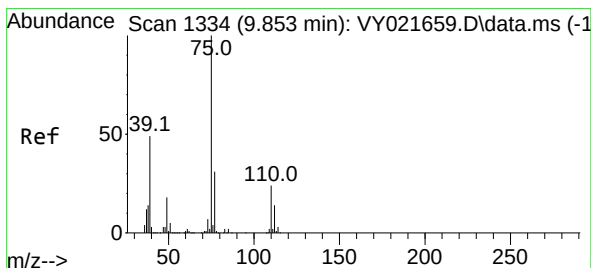
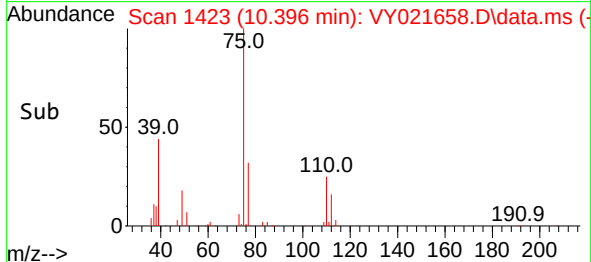
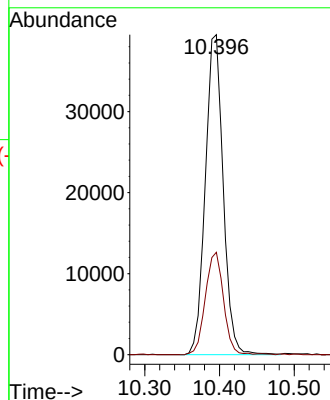
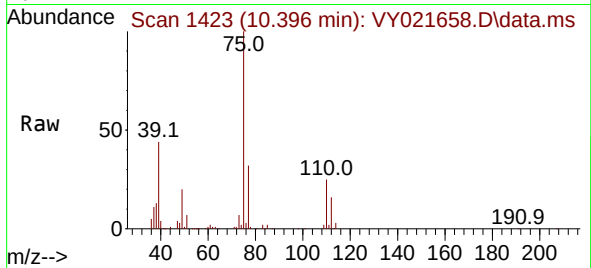




#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

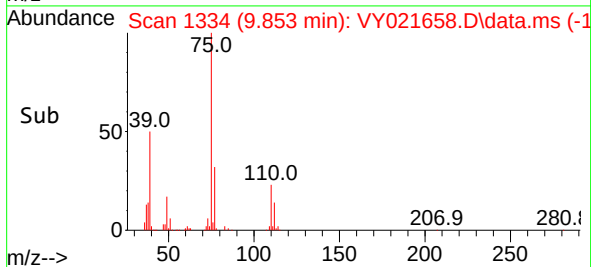
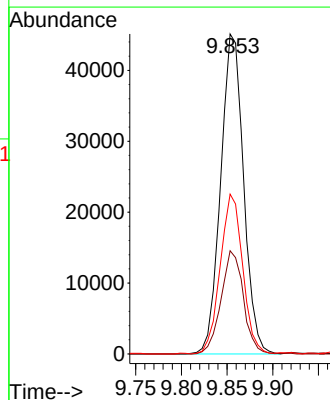
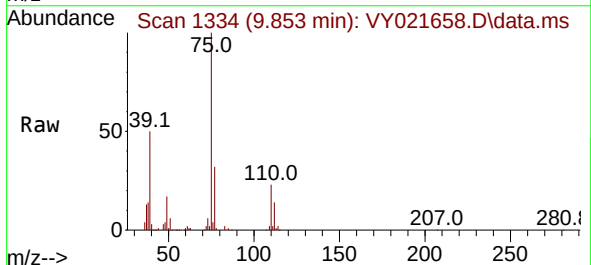
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

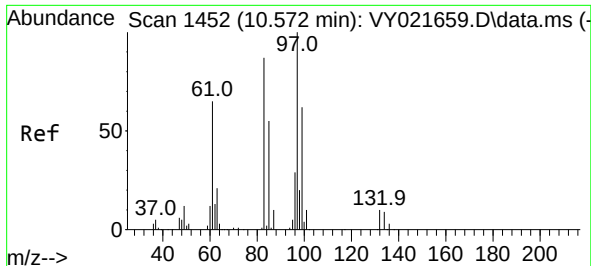
Tgt Ion: 75 Resp: 65536
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 49.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.140 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 37073

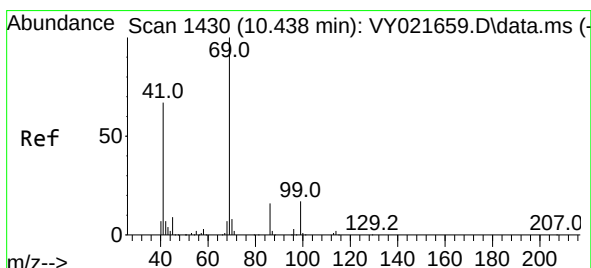
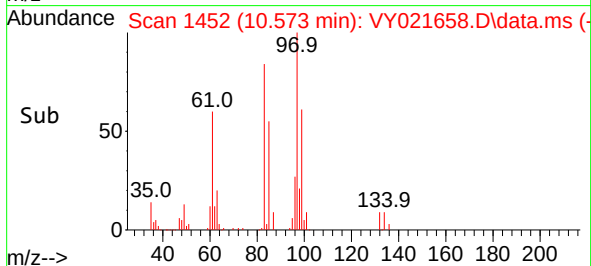
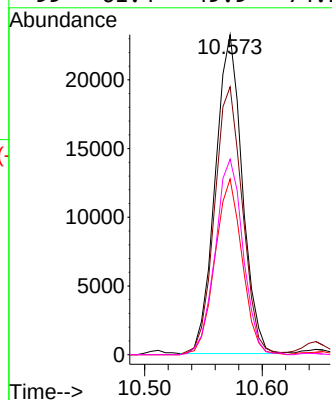
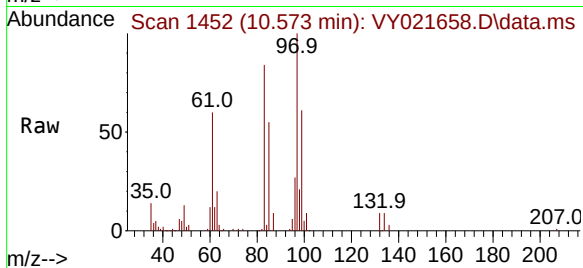
Ion Ratio Lower Upper

97 100

83 84.0 69.5 104.3

85 55.1 43.9 65.9

99 61.4 49.9 74.9



#56

Ethyl methacrylate

Concen: 18.936 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

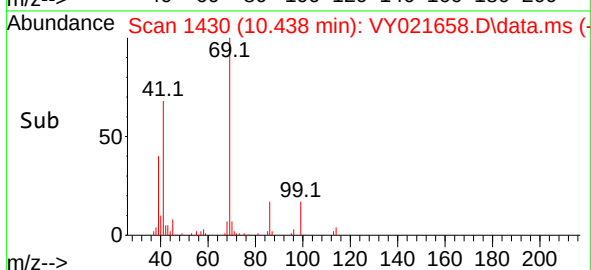
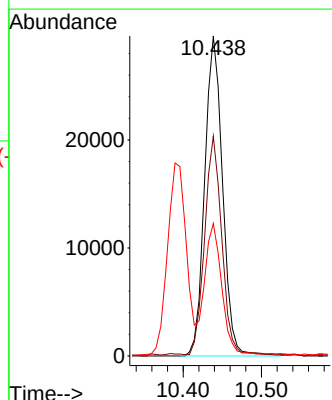
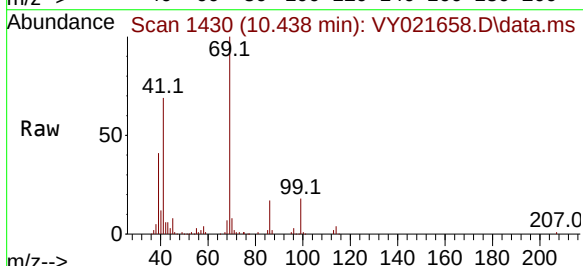
Tgt Ion: 69 Resp: 46833

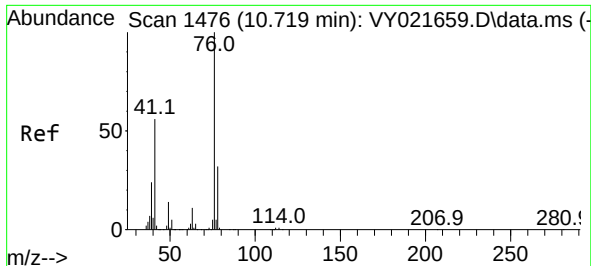
Ion Ratio Lower Upper

69 100

41 65.3 53.8 80.6

39 39.6 29.6 44.4





#57

1,3-Dichloropropane

Concen: 19.600 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

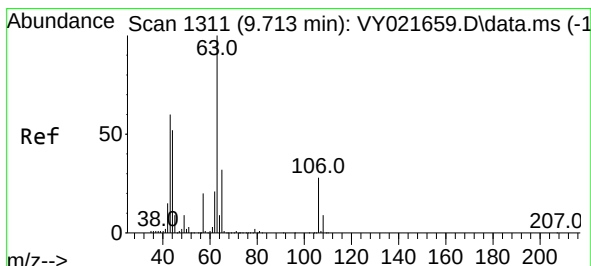
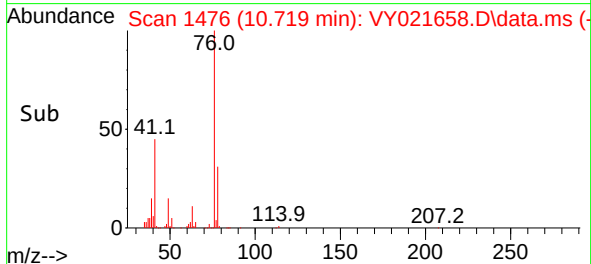
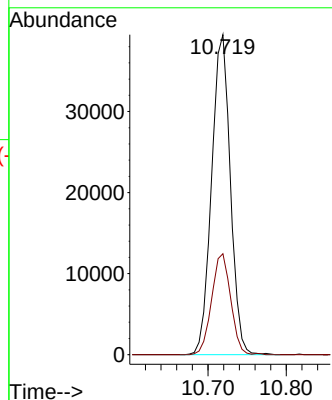
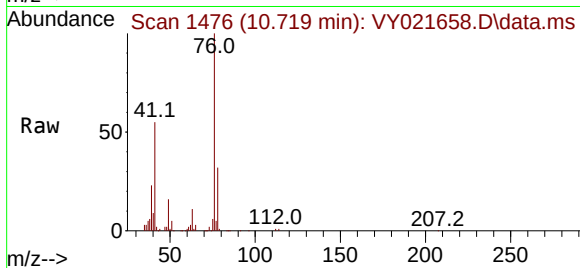
VSTDIC020

Tgt Ion: 76 Resp: 65563

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 93.615 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021658.D

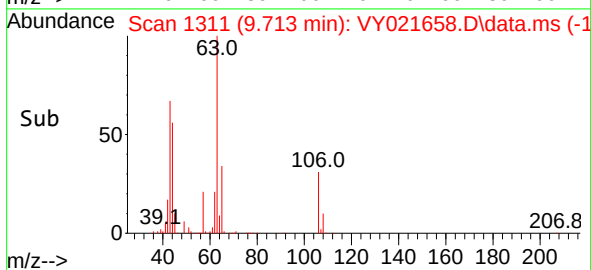
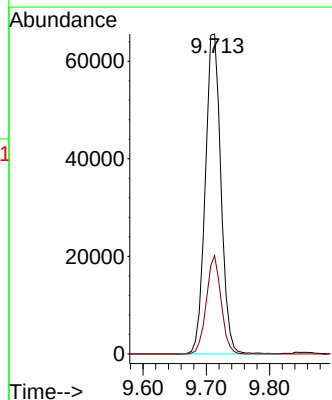
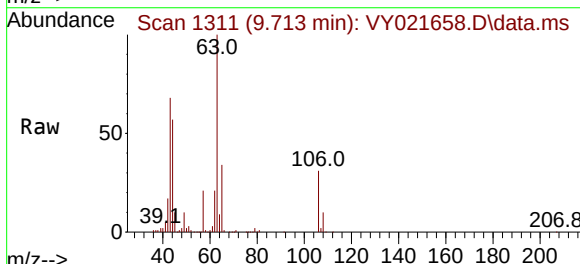
Acq: 27 Mar 2025 10:54

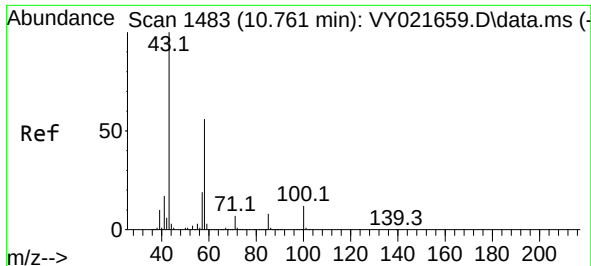
Tgt Ion: 63 Resp: 112947

Ion Ratio Lower Upper

63 100

106 28.9 22.4 33.6

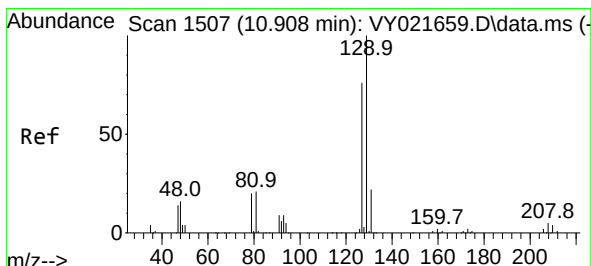
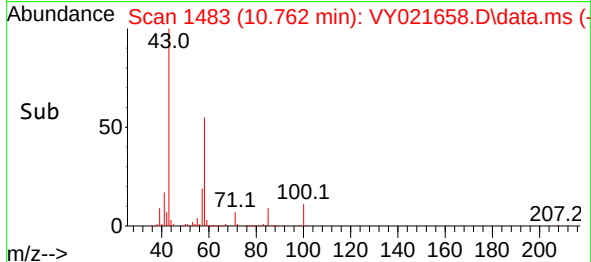
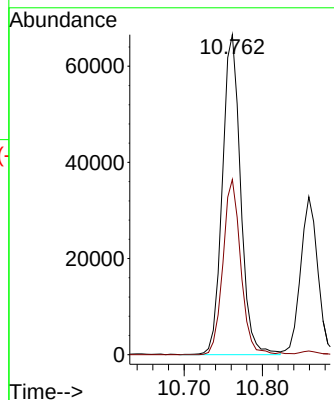
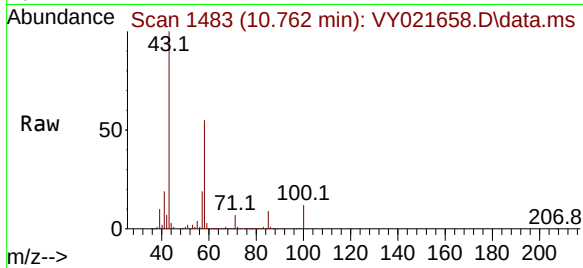




#59
2-Hexanone
Concen: 94.241 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

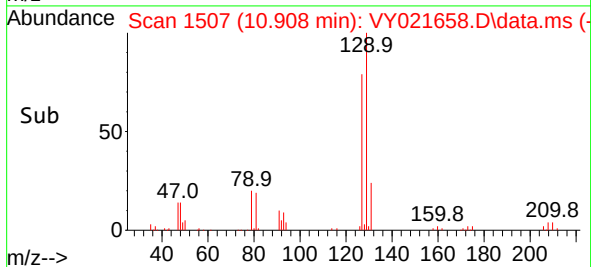
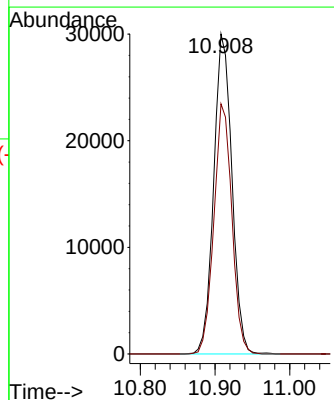
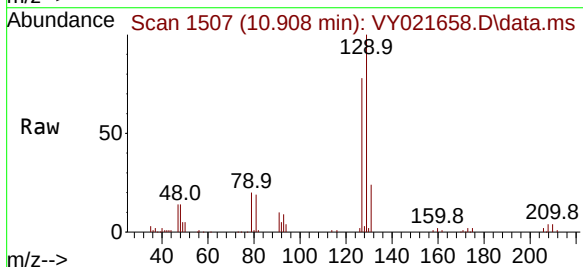
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

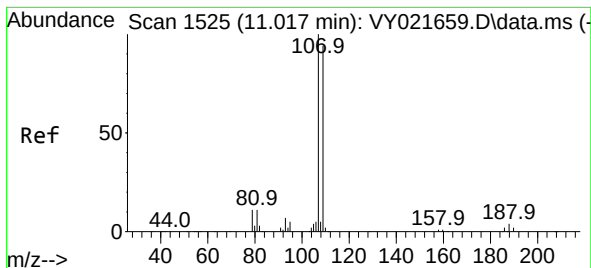
Tgt Ion: 43 Resp: 107618
Ion Ratio Lower Upper
43 100
58 53.3 27.2 81.5



#60
Dibromochloromethane
Concen: 19.187 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 129 Resp: 50740
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7

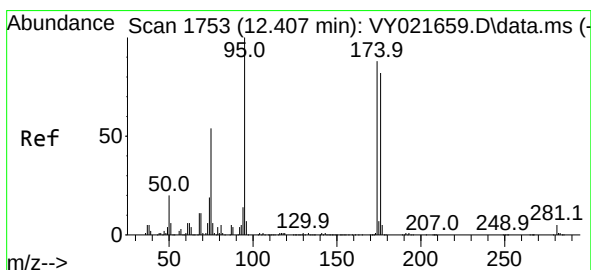
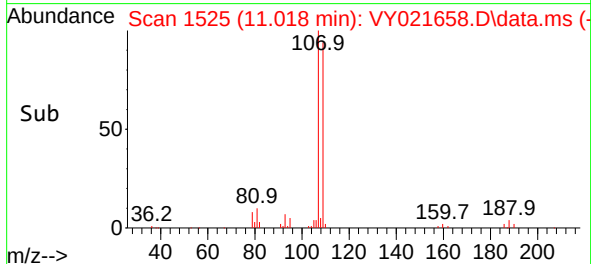
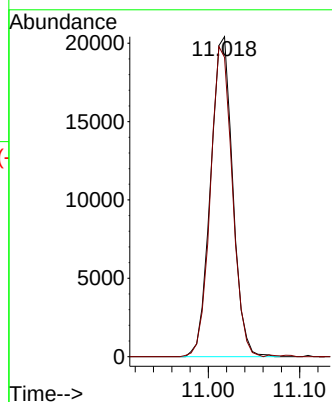
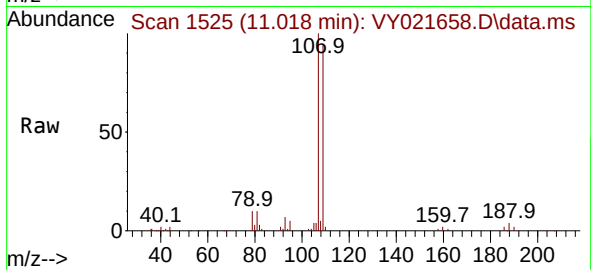




#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

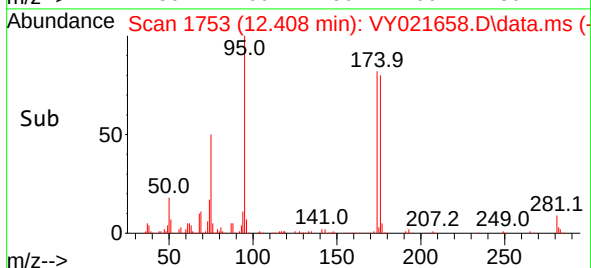
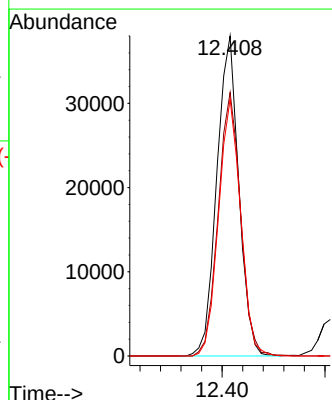
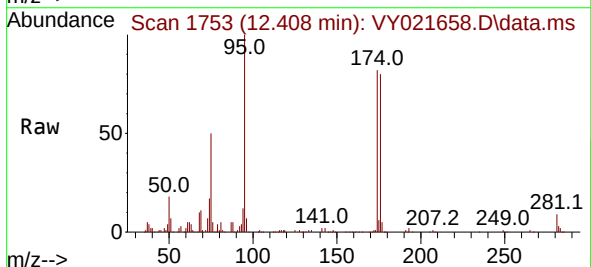
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

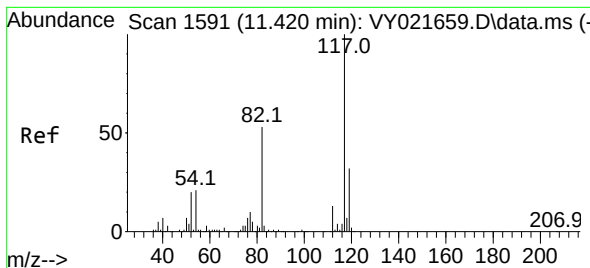
Tgt Ion:107 Resp: 34293
Ion Ratio Lower Upper
107 100
109 95.9 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

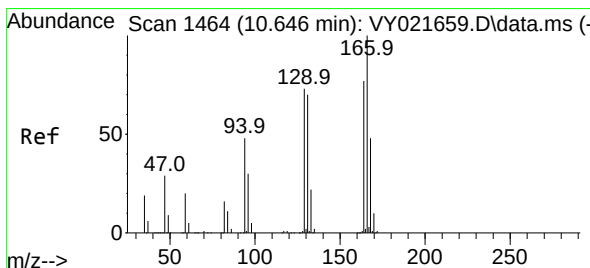
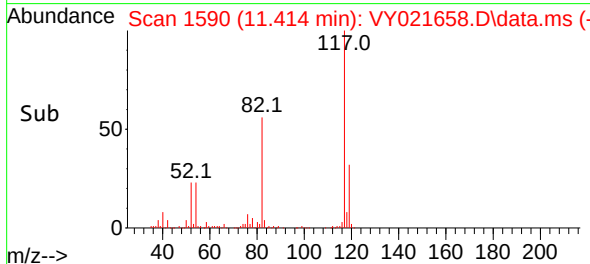
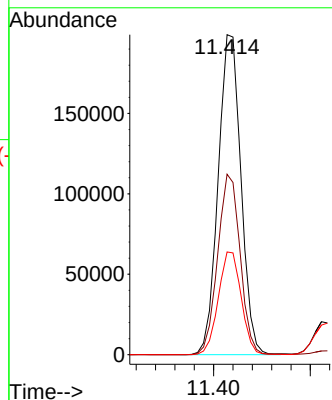
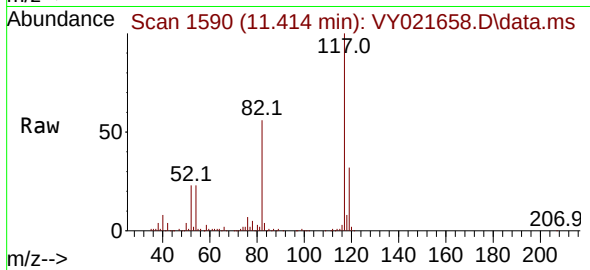
Tgt Ion:117 Resp: 325153

Ion Ratio Lower Upper

117 100

82 56.4 42.8 64.2

119 32.1 25.7 38.5



#64

Tetrachloroethene

Concen: 19.897 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:164 Resp: 58923

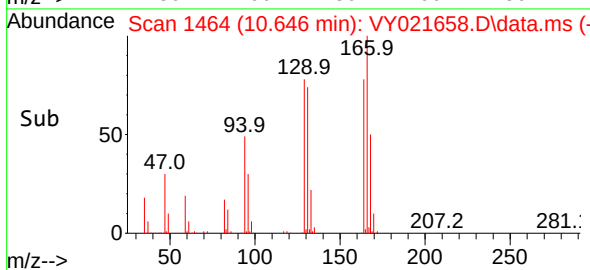
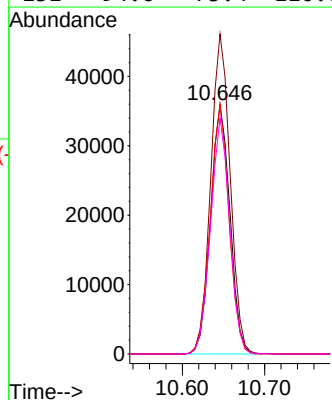
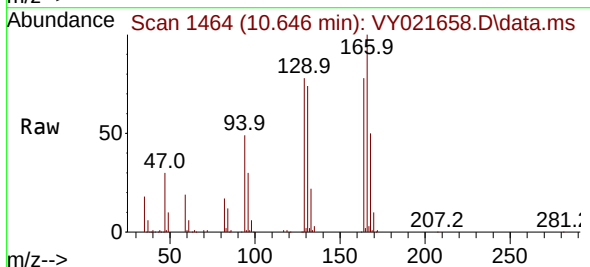
Ion Ratio Lower Upper

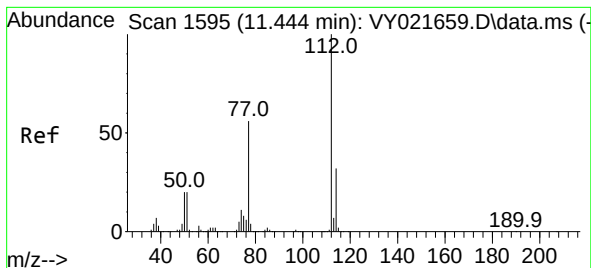
164 100

166 128.5 104.6 156.8

129 100.1 76.6 114.8

131 94.6 73.4 110.0

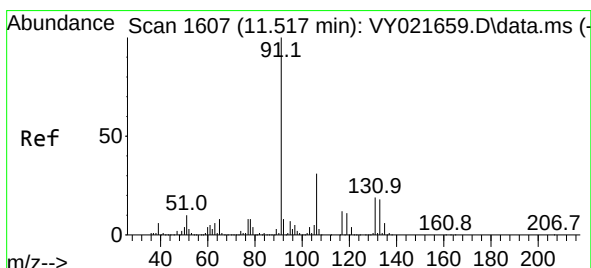
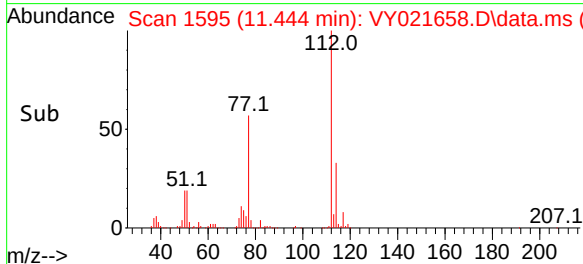
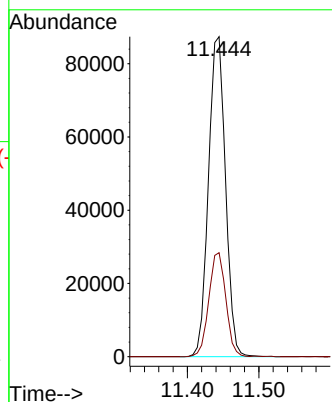
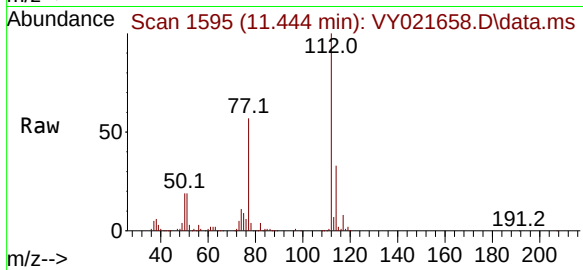




#65
Chlorobenzene
Concen: 19.375 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

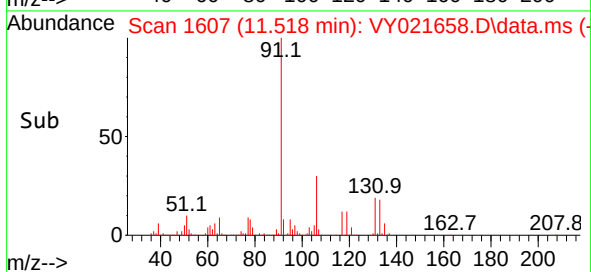
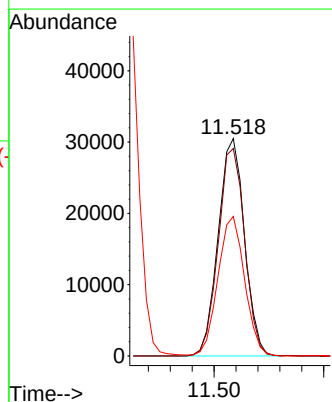
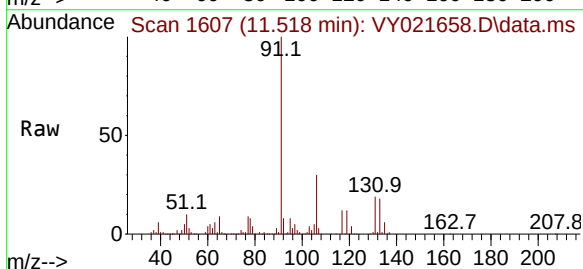
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

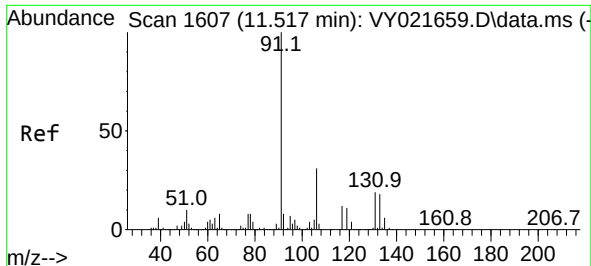
Tgt Ion:112 Resp: 144411
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.173 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:131 Resp: 50703
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 19.515 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

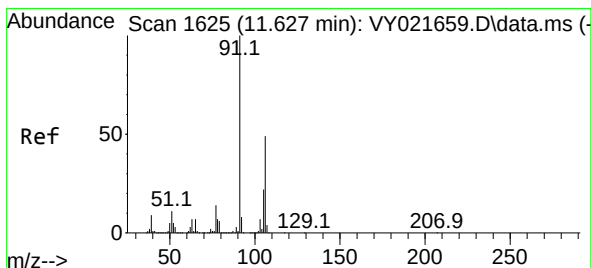
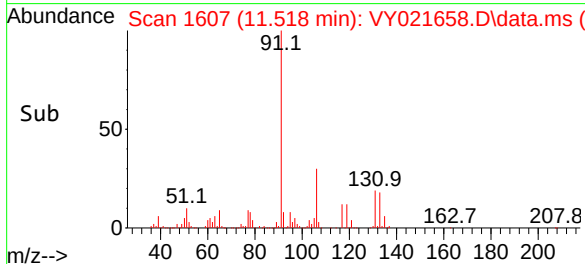
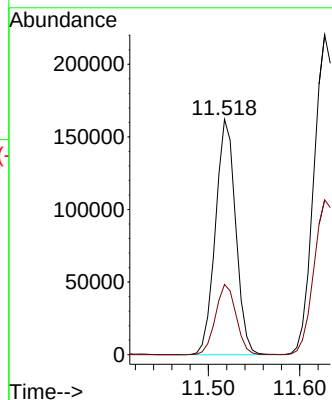
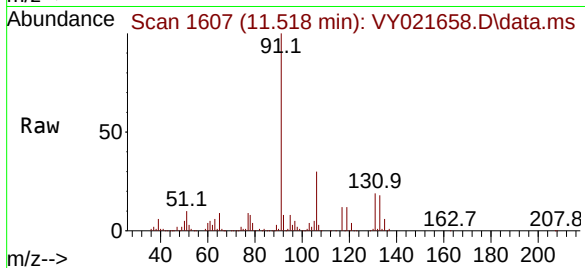
VSTDICC020

Tgt Ion: 91 Resp: 249430

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8



#68

m/p-Xylenes

Concen: 39.549 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021658.D

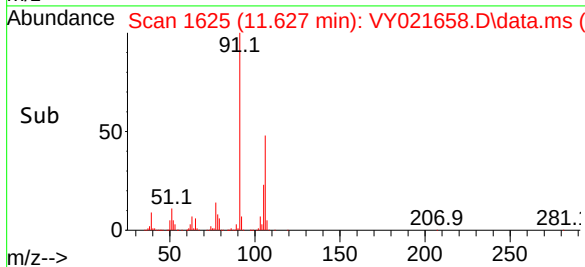
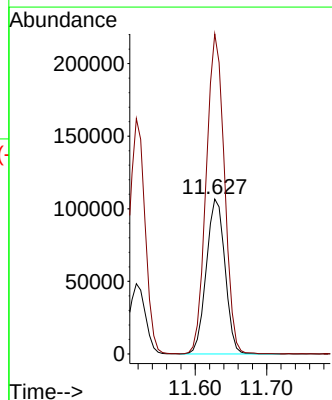
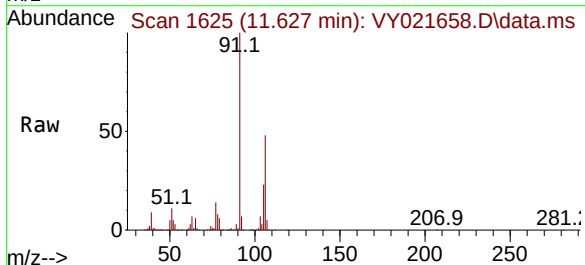
Acq: 27 Mar 2025 10:54

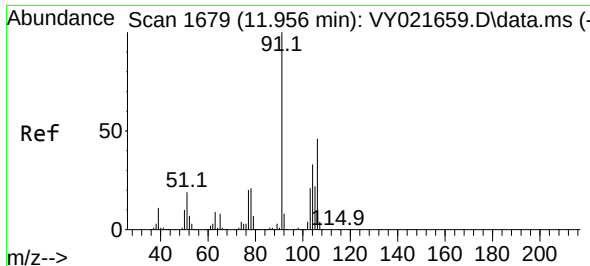
Tgt Ion:106 Resp: 193566

Ion Ratio Lower Upper

106 100

91 201.0 162.4 243.6

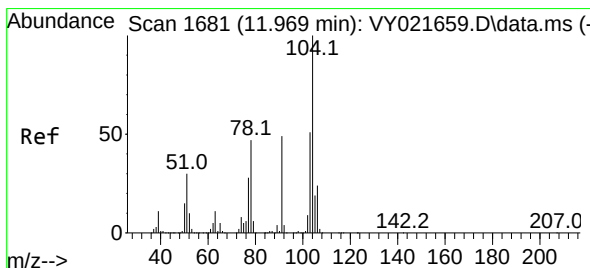
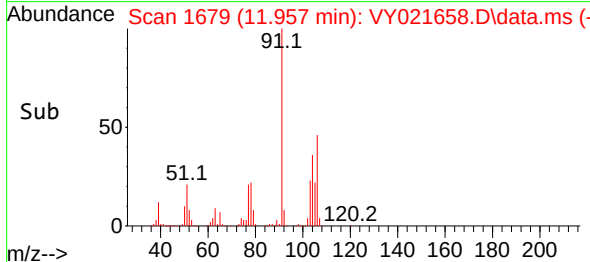
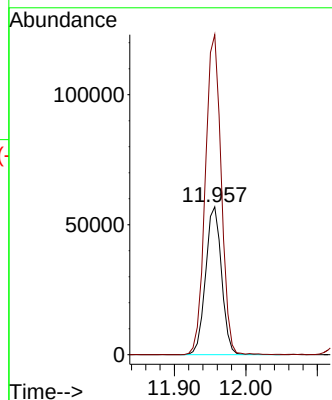
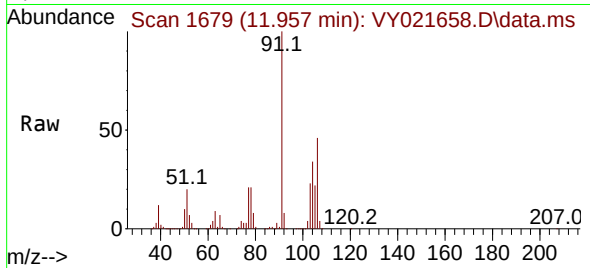




#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

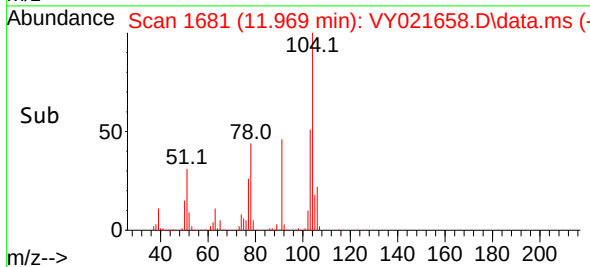
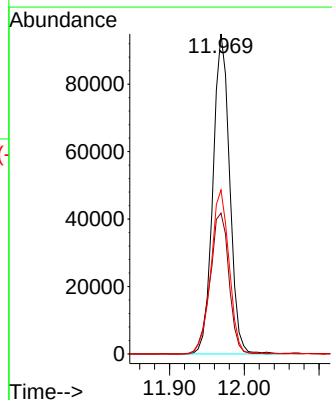
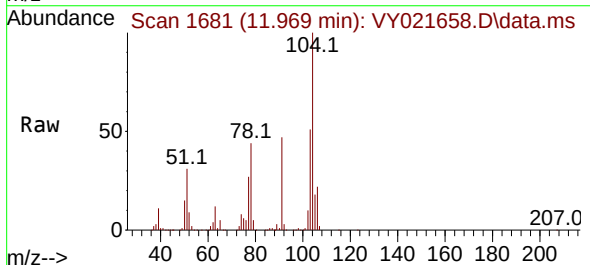
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

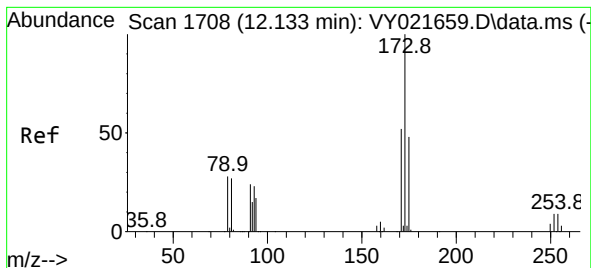
Tgt Ion:106 Resp: 87927
Ion Ratio Lower Upper
106 100
91 216.7 106.7 319.9



#70
Styrene
Concen: 19.580 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:104 Resp: 147490
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 55.7 44.2 66.2





#71

Bromoform

Concen: 19.706 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

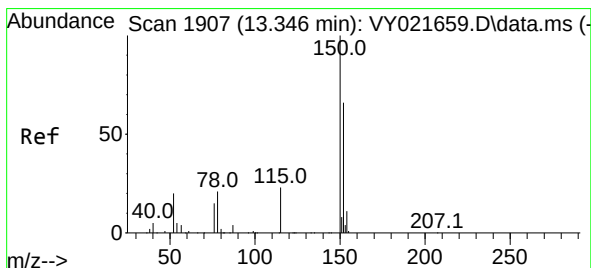
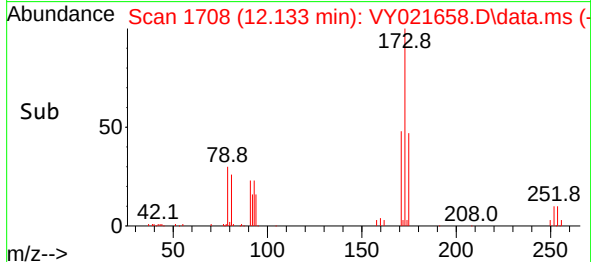
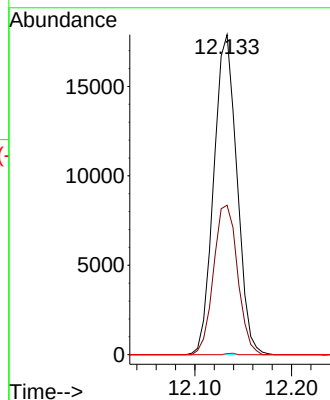
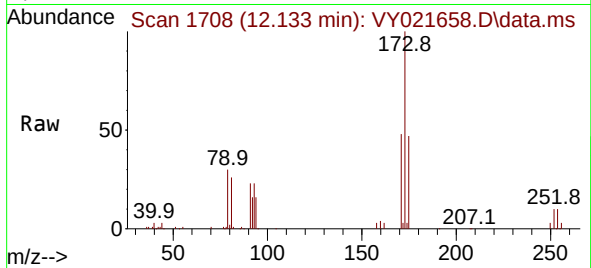
Tgt Ion:173 Resp: 29726

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

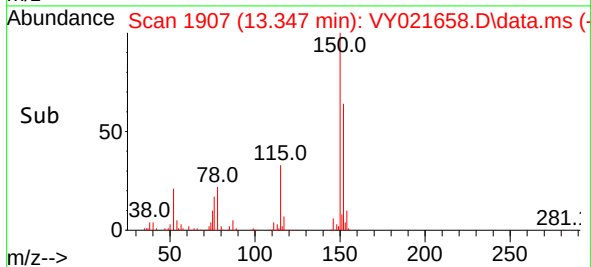
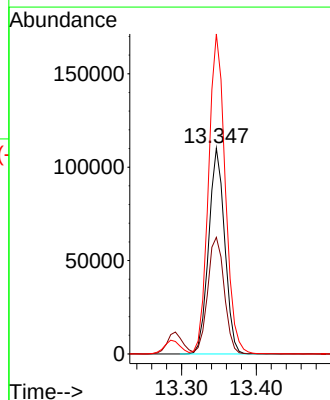
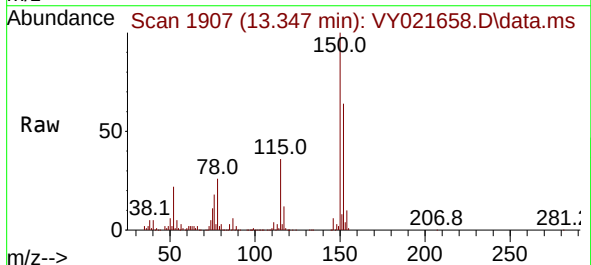
Tgt Ion:152 Resp: 163591

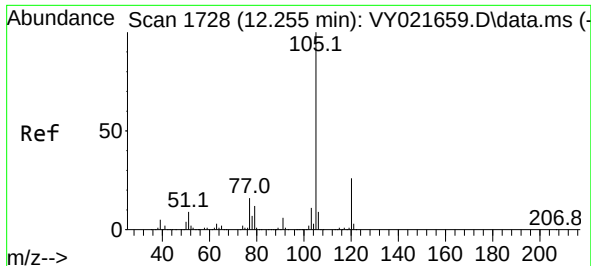
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 162.8 0.0 348.4

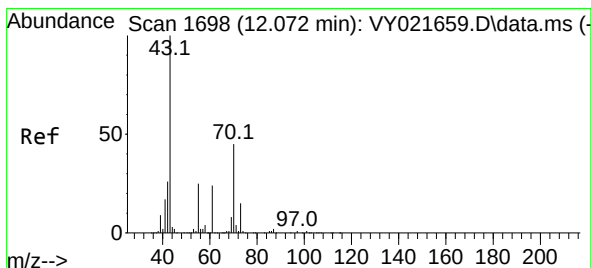
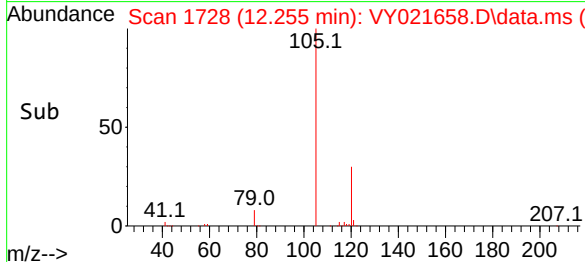
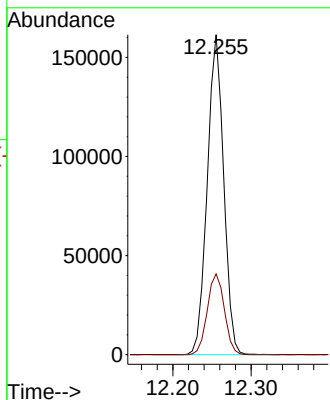
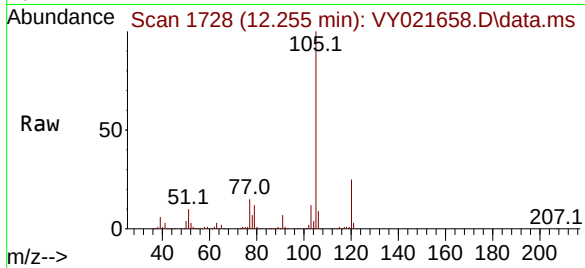




#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

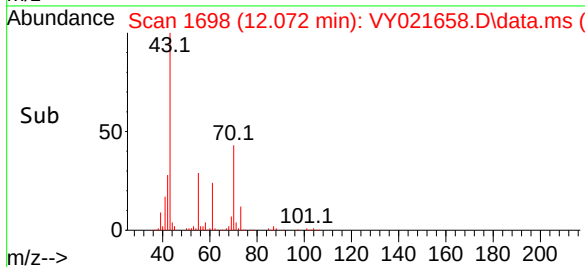
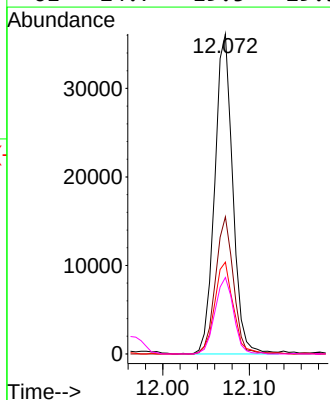
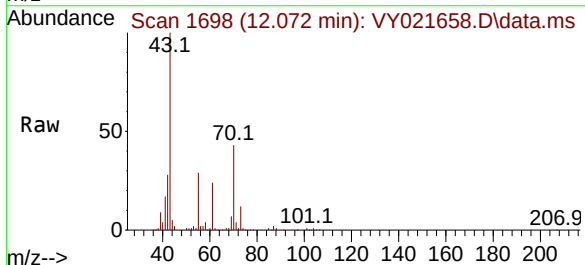
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

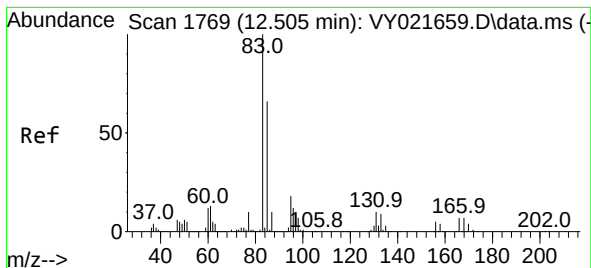
Tgt Ion:105 Resp: 234386
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 52342
Ion Ratio Lower Upper
43 100
70 42.9 34.7 52.1
55 30.0 21.2 31.8
61 24.7 19.5 29.3

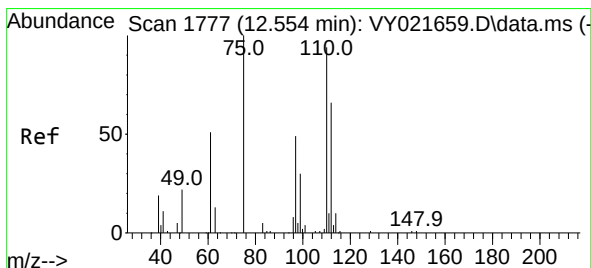
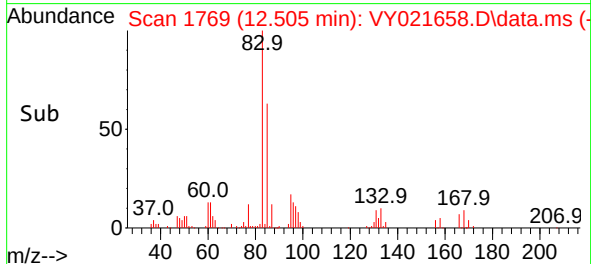
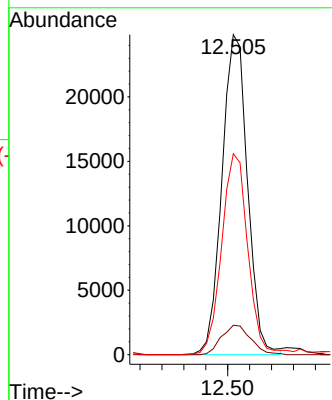
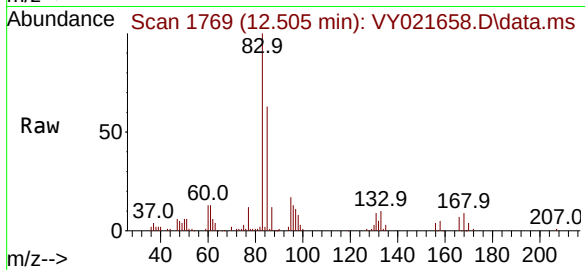




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.438 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

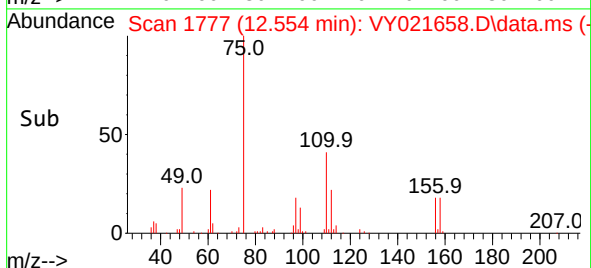
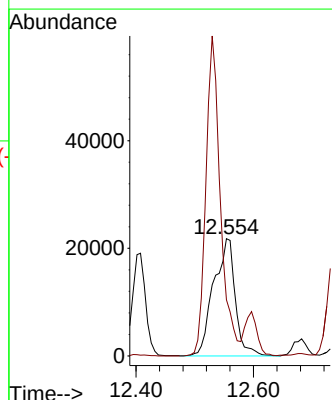
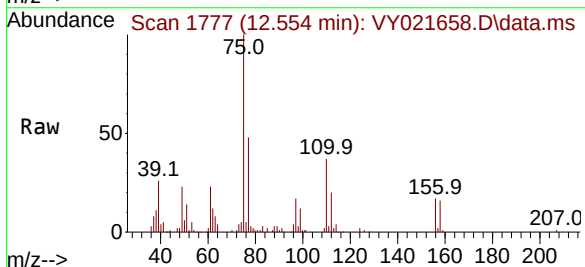
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

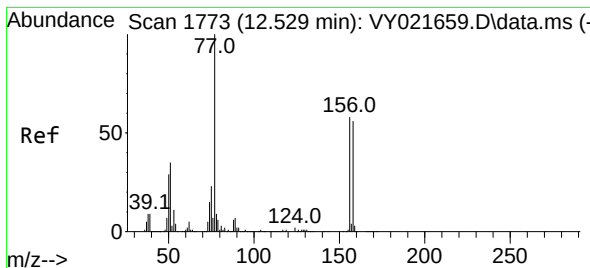
Tgt Ion: 83 Resp: 40279
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.1 15.3
 85 64.3 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 34.364 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 55725
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.119 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

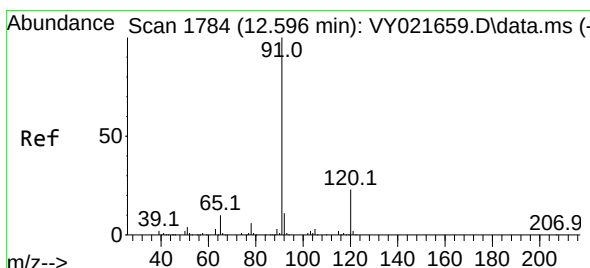
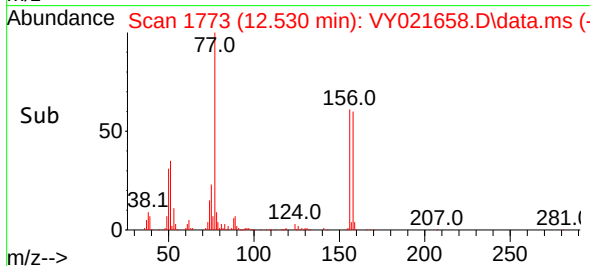
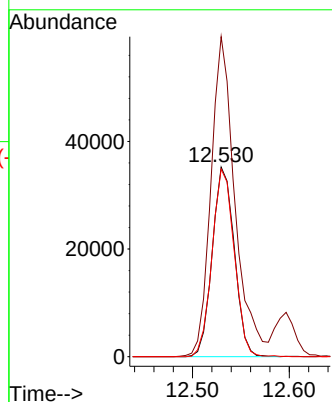
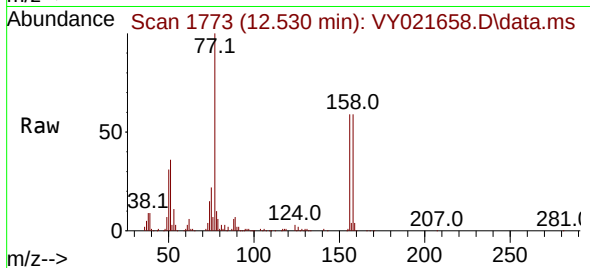
Tgt Ion:156 Resp: 55776

Ion Ratio Lower Upper

156 100

77 184.4 92.8 278.3

158 99.7 48.5 145.6



#78

n-propylbenzene

Concen: 19.480 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021658.D

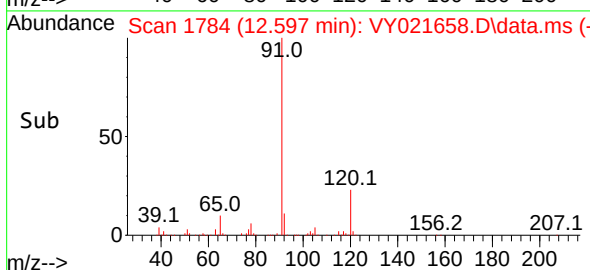
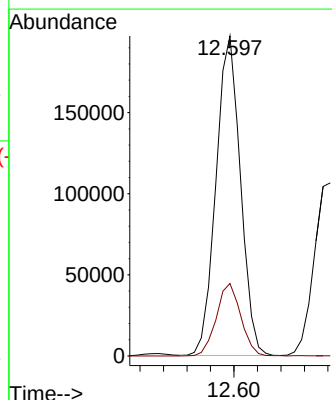
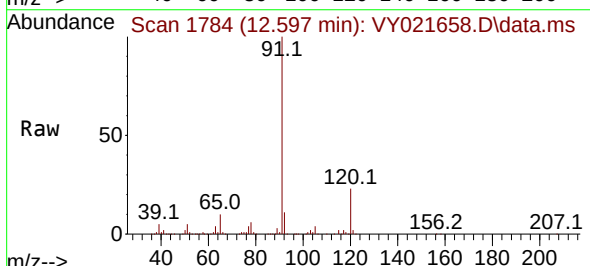
Acq: 27 Mar 2025 10:54

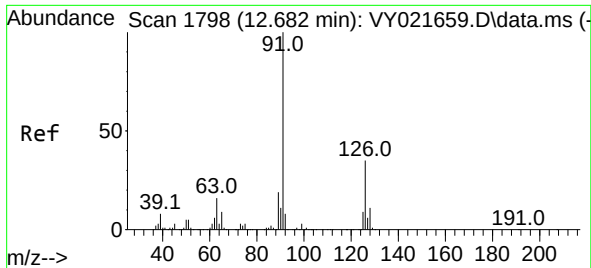
Tgt Ion: 91 Resp: 284563

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9

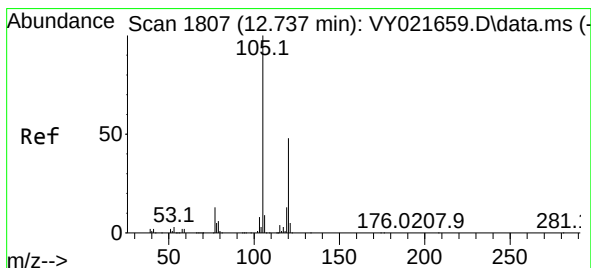
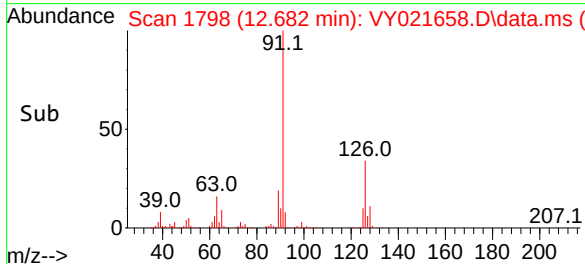
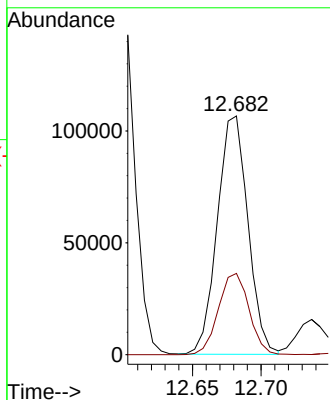
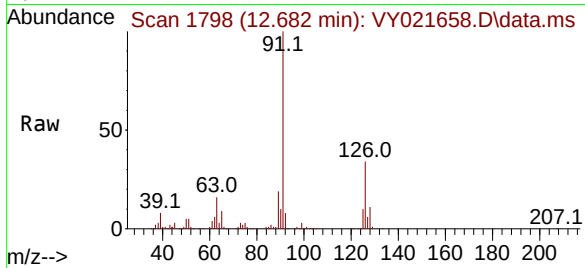




#79
2-Chlorotoluene
Concen: 19.555 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

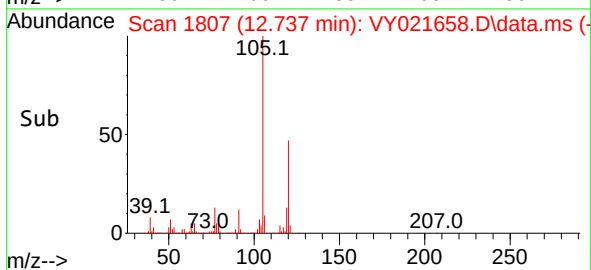
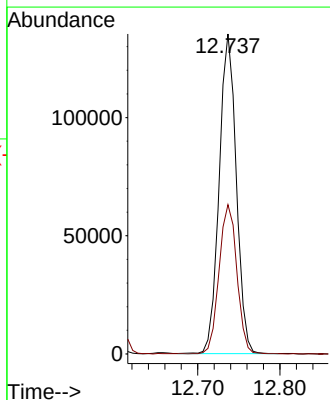
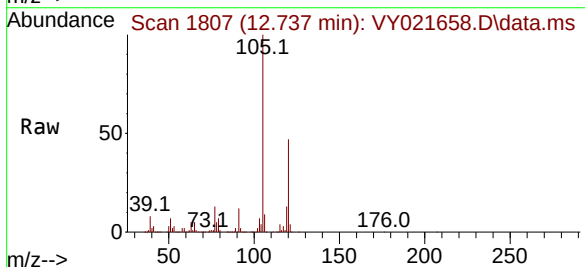
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

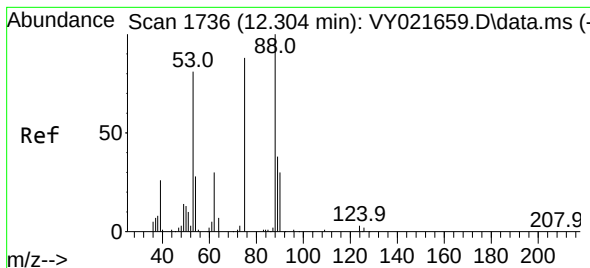
Tgt Ion: 91 Resp: 165911
Ion Ratio Lower Upper
91 100
126 34.0 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 19.651 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 105 Resp: 195141
Ion Ratio Lower Upper
105 100
120 48.8 24.5 73.5

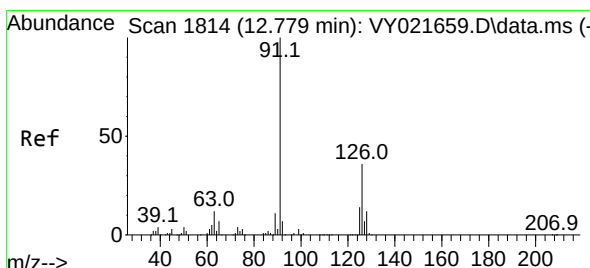
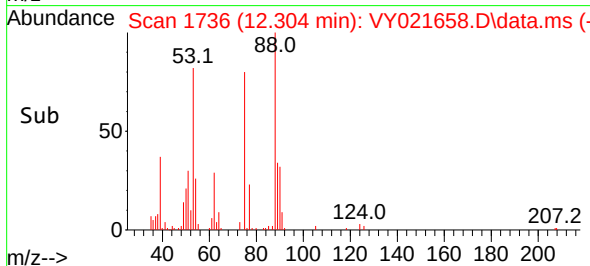
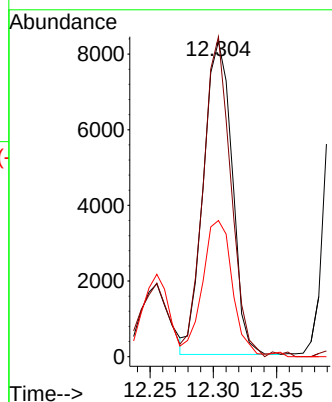
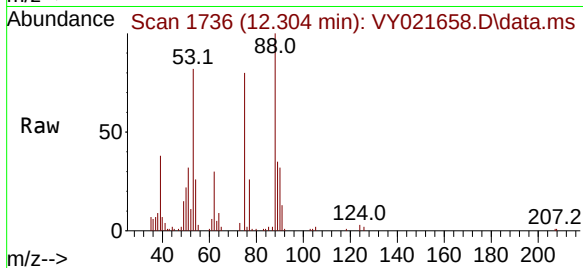




#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

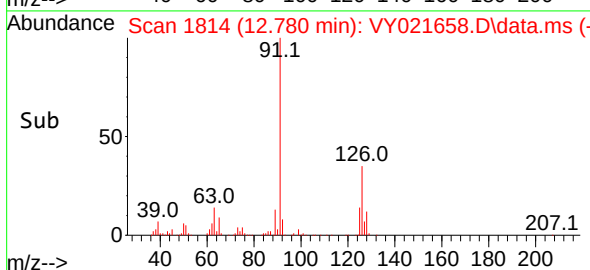
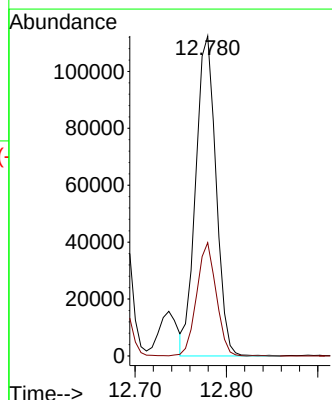
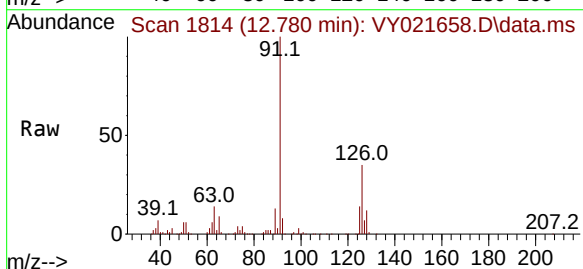
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

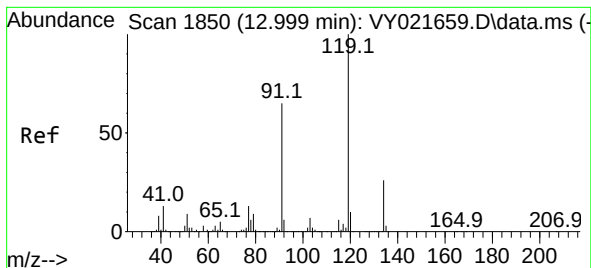
Tgt Ion:	75	Resp:	13021
Ion	Ratio	Lower	Upper
75	100		
53	98.6	76.1	114.1
89	44.2	36.2	54.4



#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:	91	Resp:	173311
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

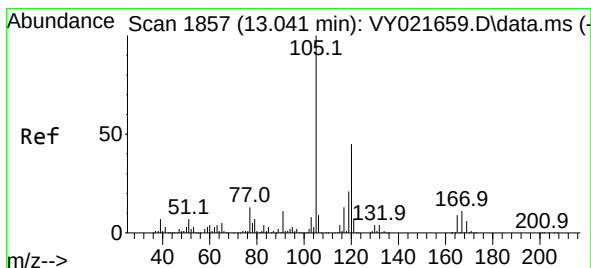
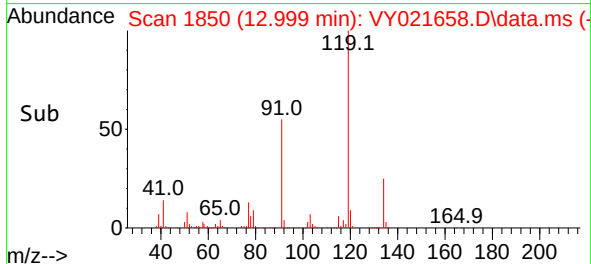
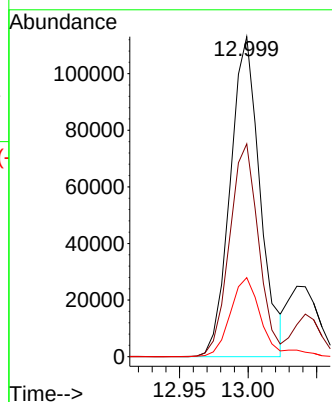
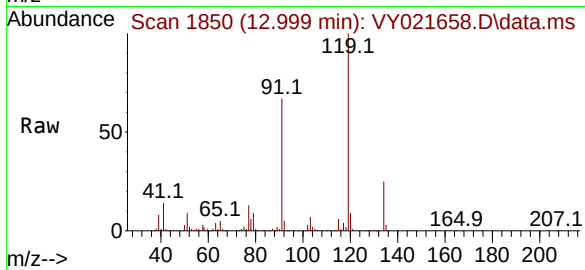




#83
 tert-Butylbenzene
 Concen: 19.357 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

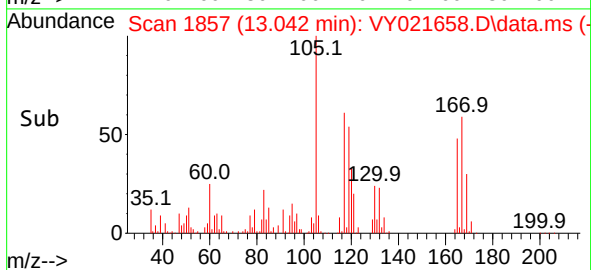
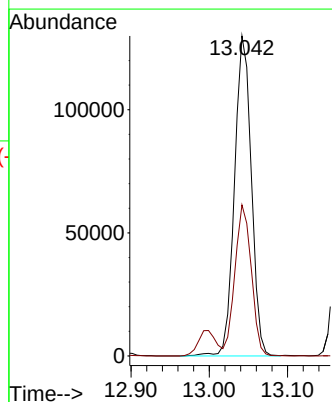
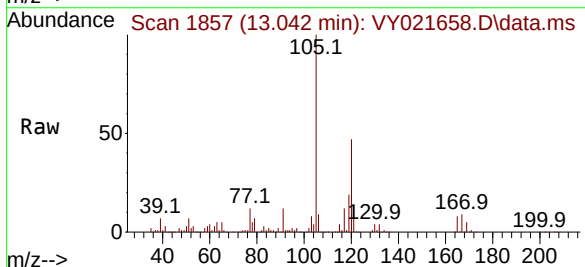
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

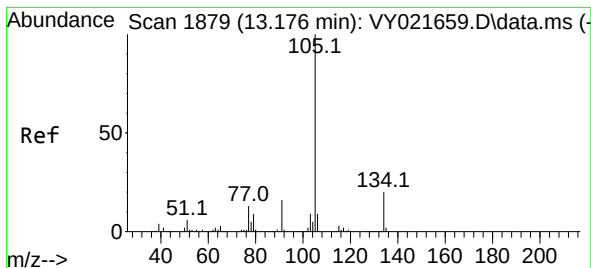
Tgt Ion:119 Resp: 171216
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.6 97.7
 134 26.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.734 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.7 68.1

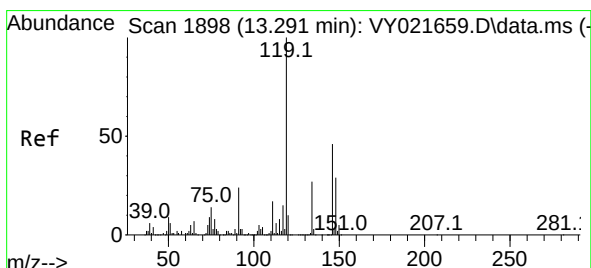
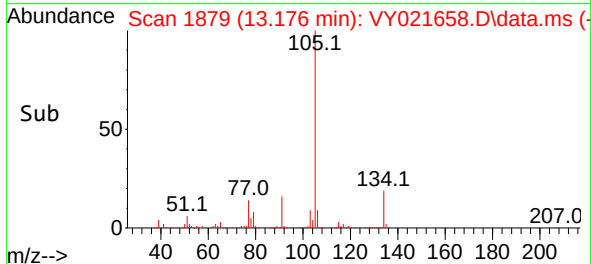
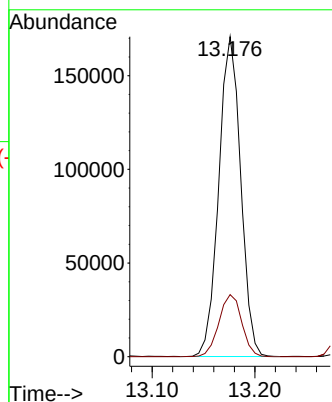
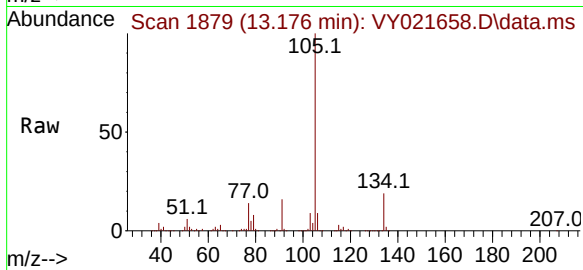




#85
 sec-Butylbenzene
 Concen: 19.540 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

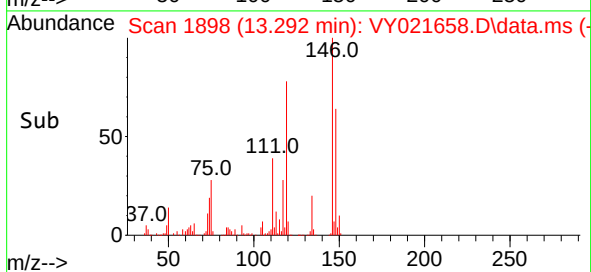
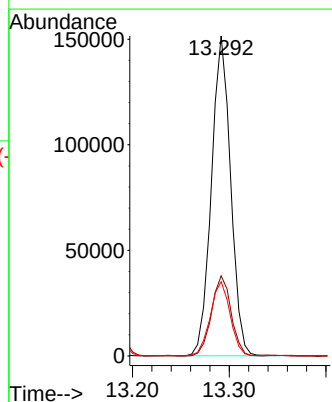
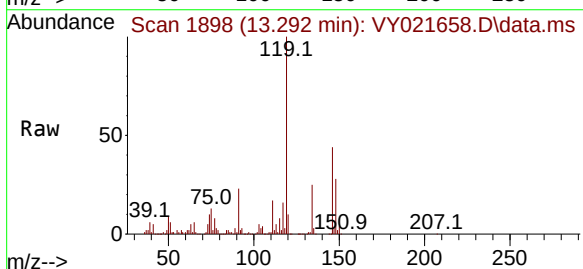
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

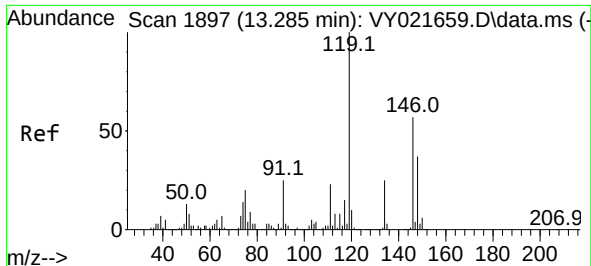
Tgt Ion:105 Resp: 252573
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 19.567 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion:119 Resp: 209041
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.286 min Scan# 111682

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

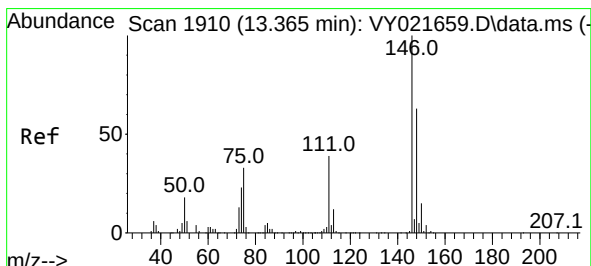
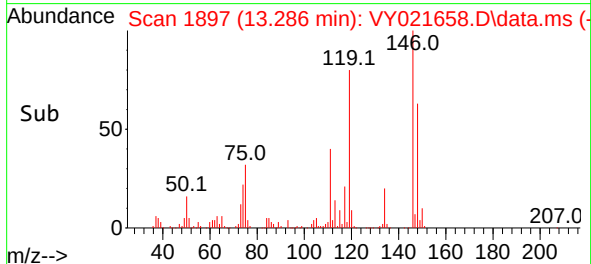
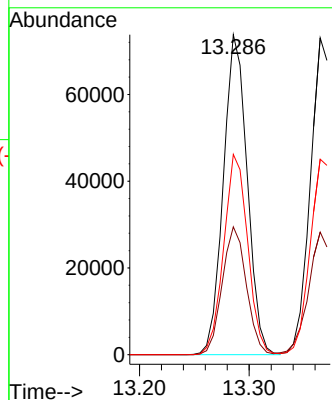
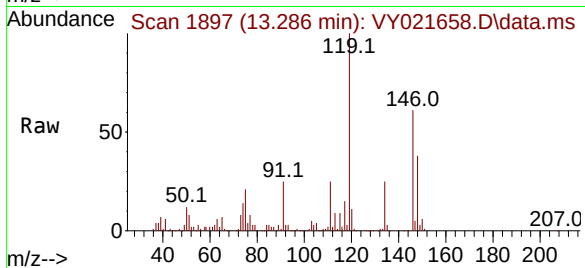
Tgt Ion:146 Resp: 111682

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

148 63.0 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 19.636 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

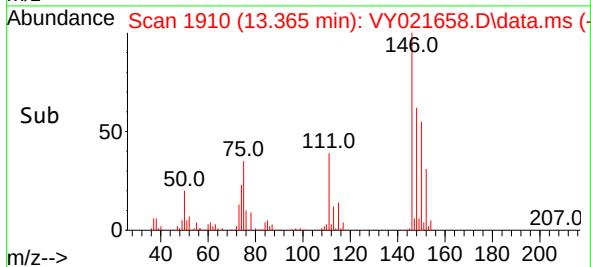
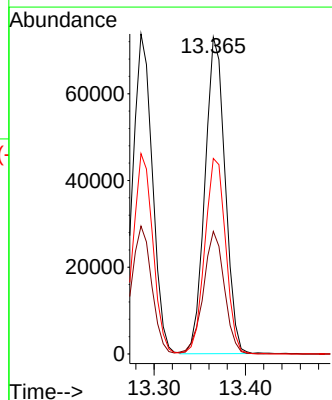
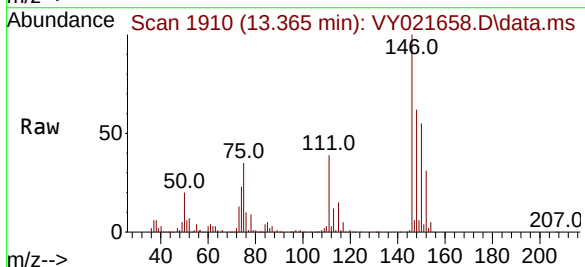
Tgt Ion:146 Resp: 111508

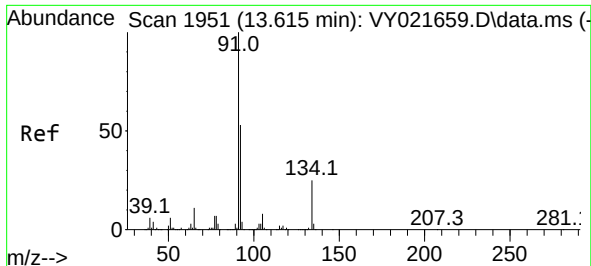
Ion Ratio Lower Upper

146 100

111 40.4 19.1 57.1

148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 19.416 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

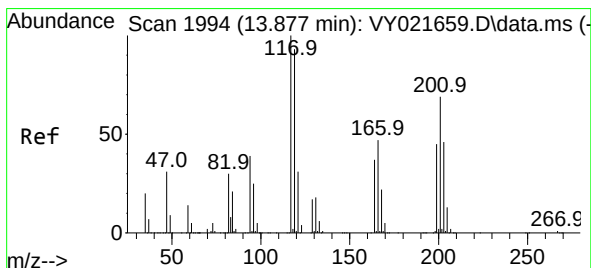
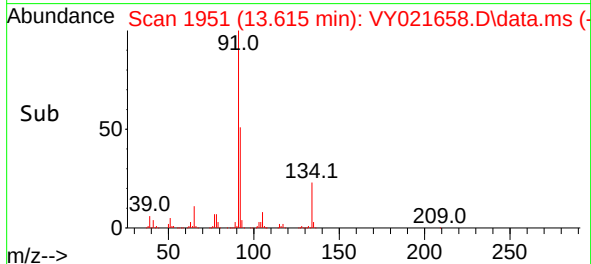
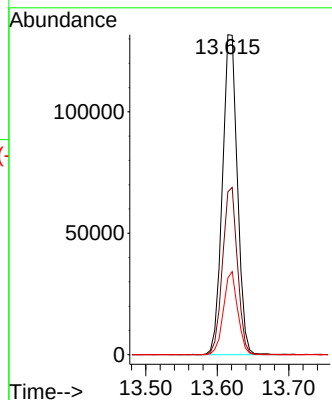
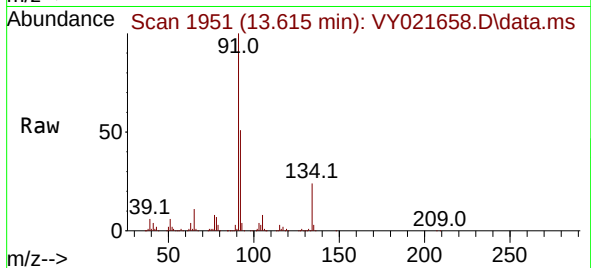
Tgt Ion: 91 Resp: 191838

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.2

134 24.6 12.8 38.4



#90

Hexachloroethane

Concen: 18.928 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021658.D

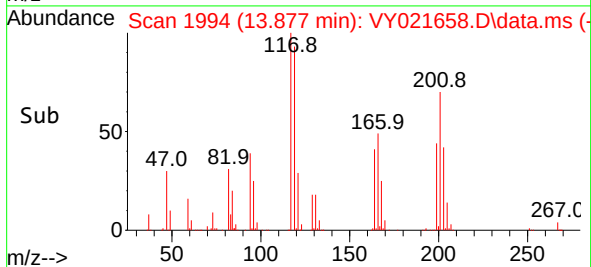
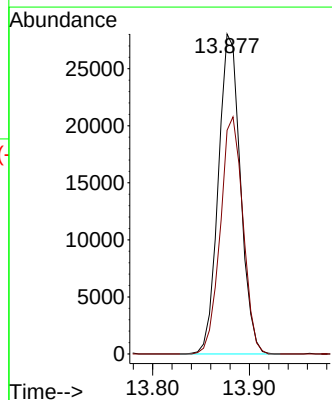
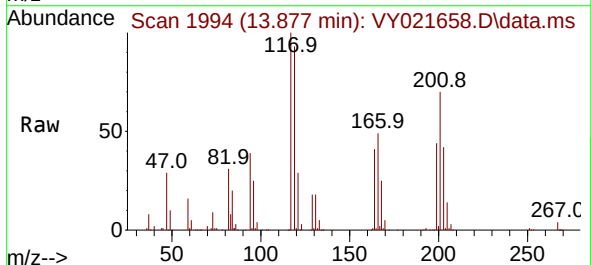
Acq: 27 Mar 2025 10:54

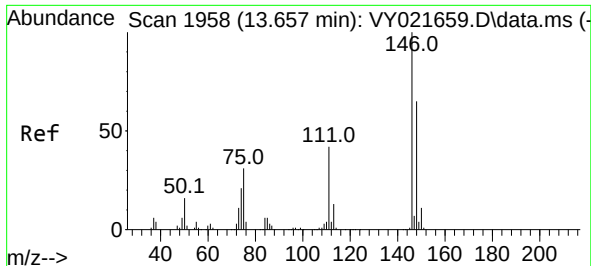
Tgt Ion: 117 Resp: 44313

Ion Ratio Lower Upper

117 100

201 76.0 37.4 112.1

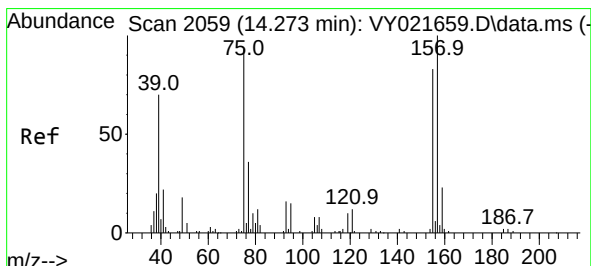
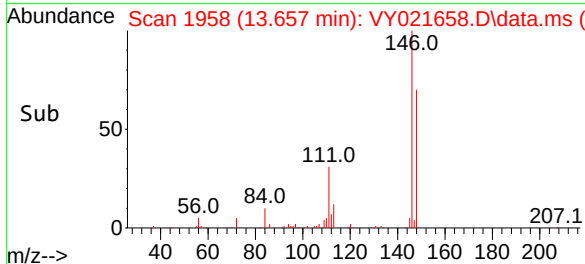
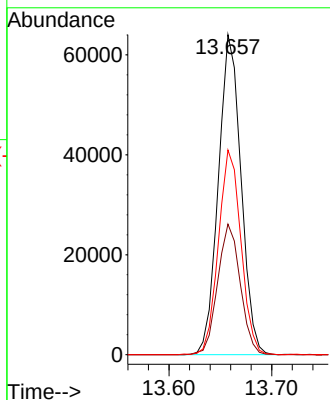
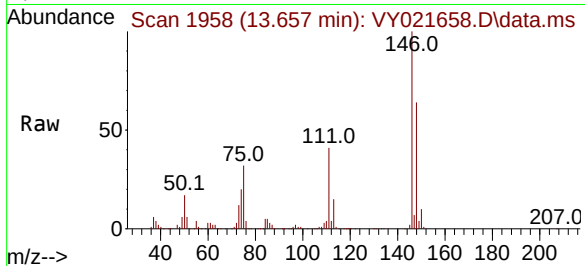




#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

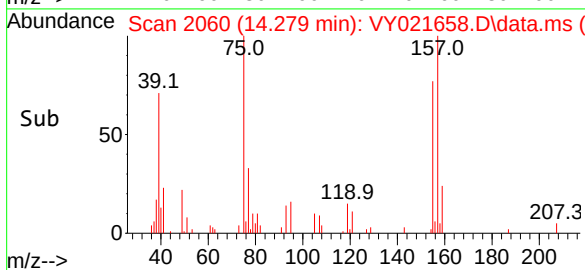
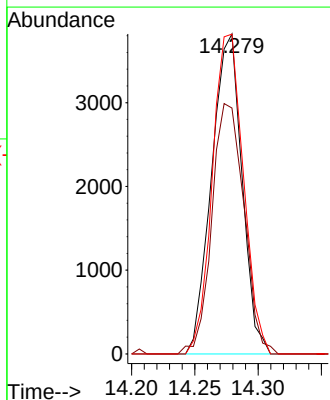
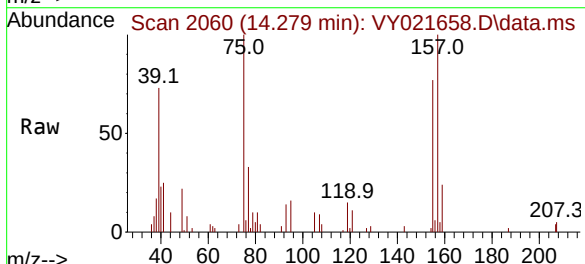
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

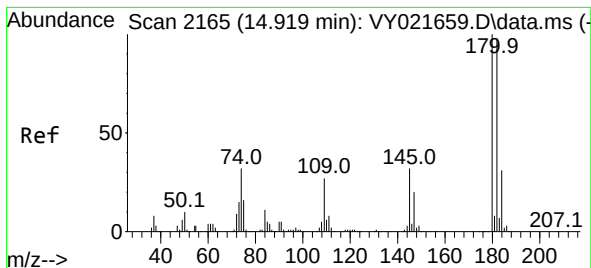
Tgt Ion:146 Resp: 97912
Ion Ratio Lower Upper
146 100
111 40.7 20.7 62.1
148 63.6 32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.811 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6369
Ion Ratio Lower Upper
75 100
155 82.7 43.0 128.8
157 102.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.971 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

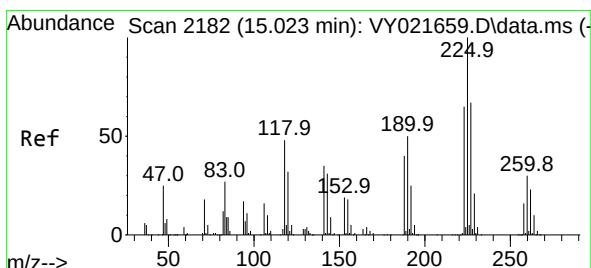
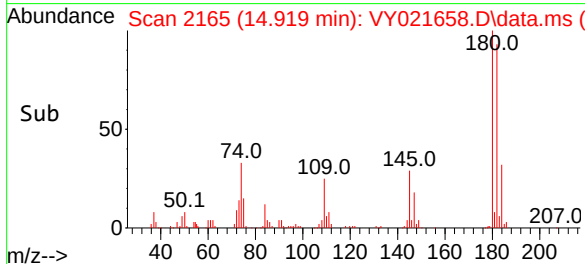
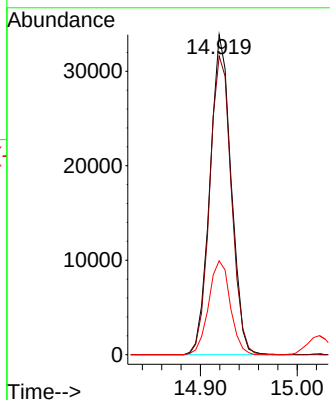
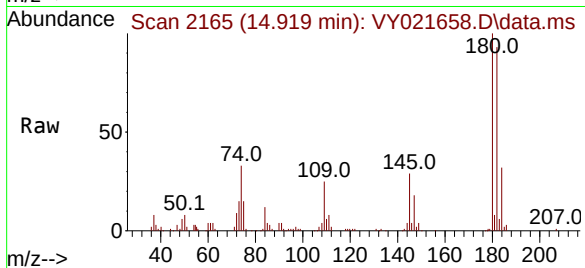
Tgt Ion:180 Resp: 51474

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.6

145 30.0 14.9 44.9



#94

Hexachlorobutadiene

Concen: 18.916 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

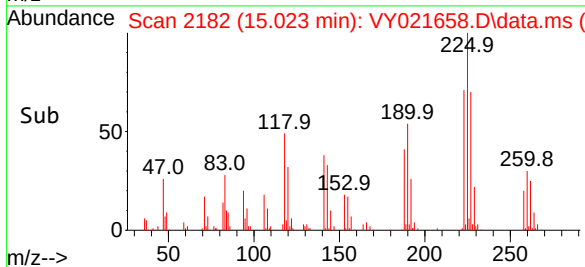
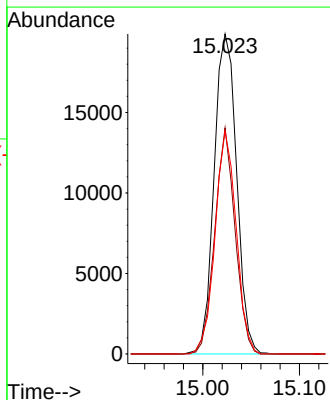
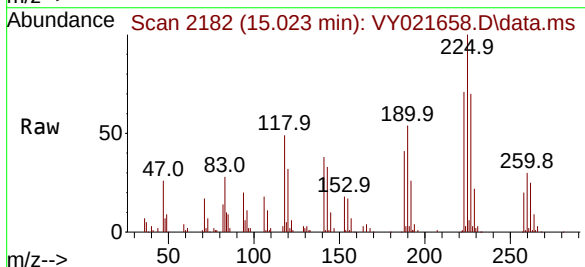
Tgt Ion:225 Resp: 32055

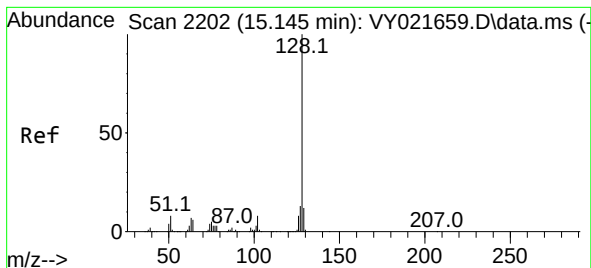
Ion Ratio Lower Upper

225 100

223 64.0 31.9 95.7

227 65.5 32.4 97.0





#95

Naphthalene

Concen: 18.305 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

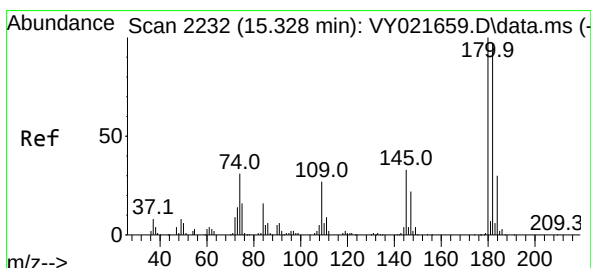
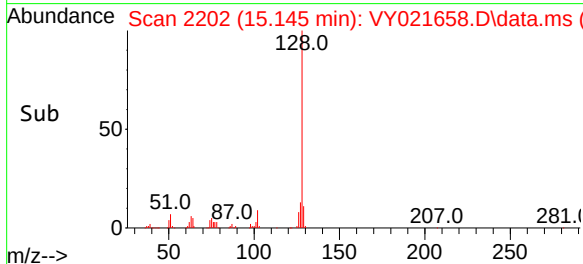
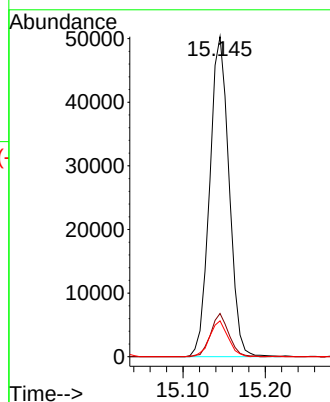
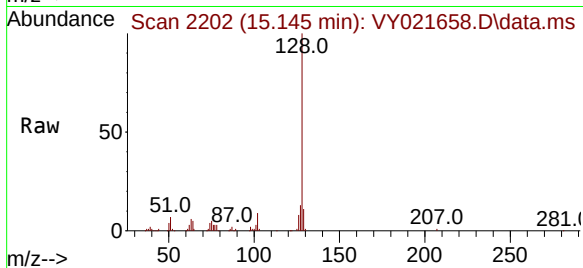
Tgt Ion:128 Resp: 82325

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 19.037 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

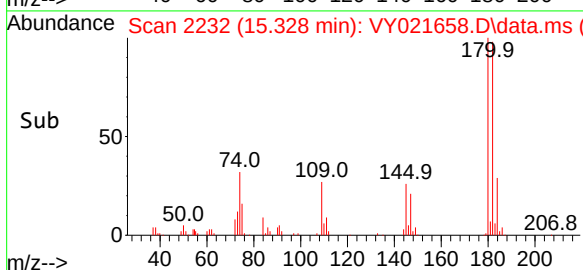
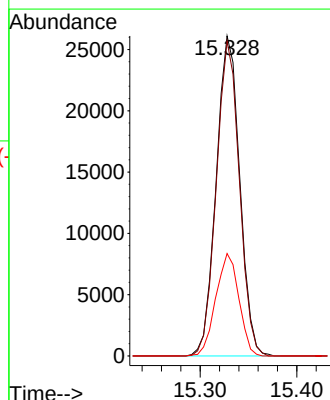
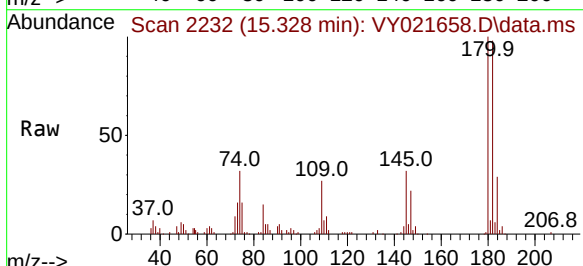
Tgt Ion:180 Resp: 44047

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.5

145 31.3 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021659.D
 Acq On : 27 Mar 2025 11:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 28 02:16:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.100%	
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.520%	
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.820%	
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.160%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021659.D
 Acq On : 27 Mar 2025 11:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 28 02:16:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.262	41	119440	130.380	ug/l	# 100
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	147626	88.688	ug/l	# 100
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

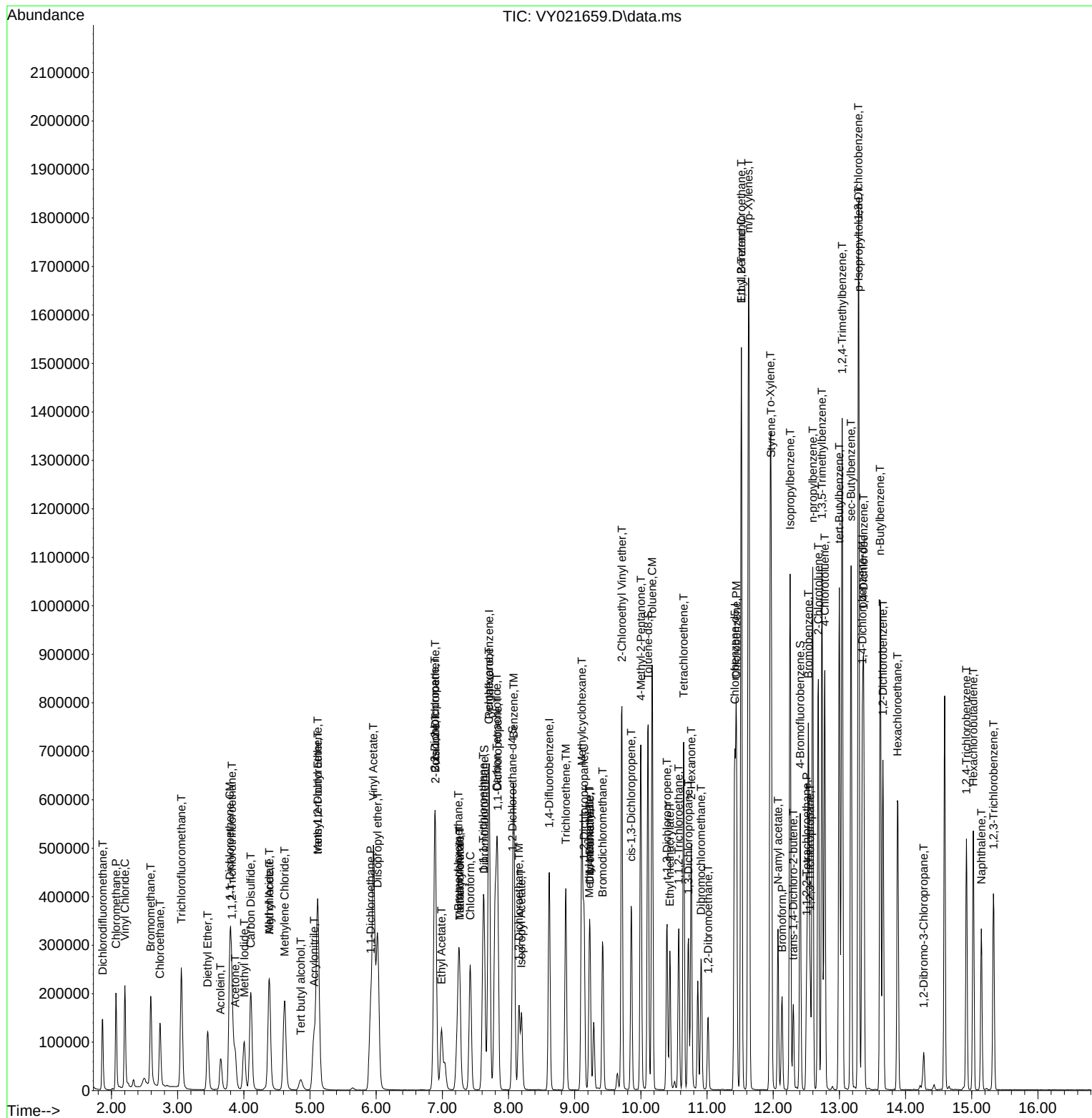
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

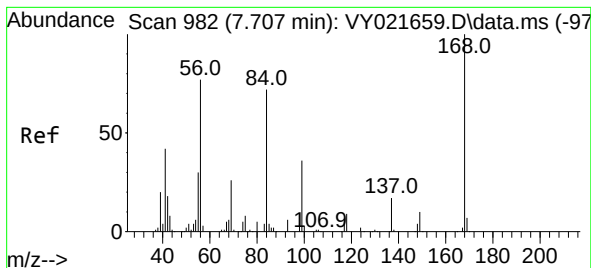
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

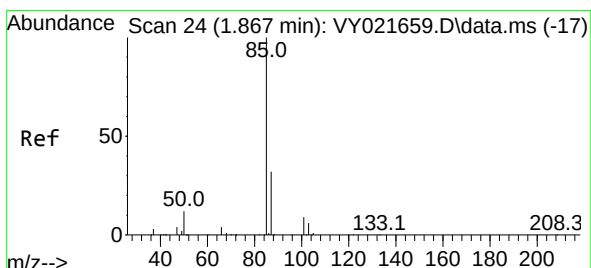
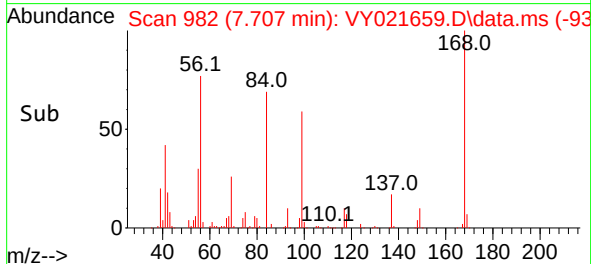
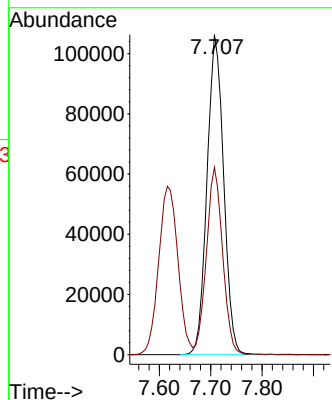
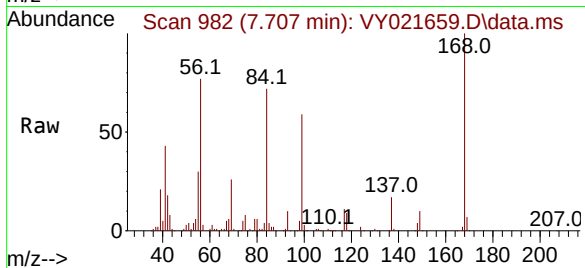
VSTDICCC050

Tgt Ion:168 Resp: 238234

Ion Ratio Lower Upper

168 100

99 58.4 46.7 70.1



#2

Dichlorodifluoromethane

Concen: 48.836 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.000 min

Lab File: VY021659.D

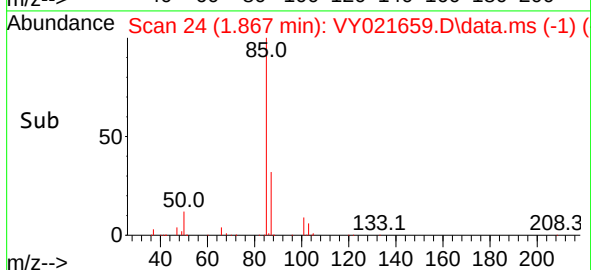
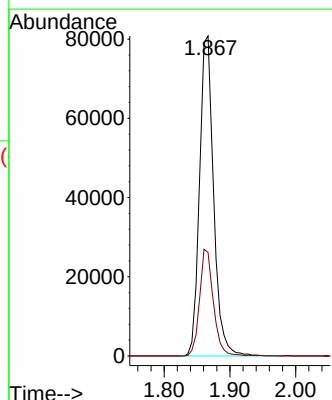
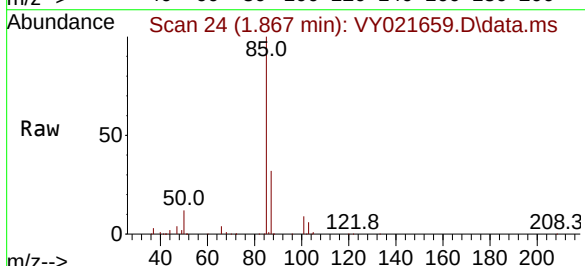
Acq: 27 Mar 2025 11:16

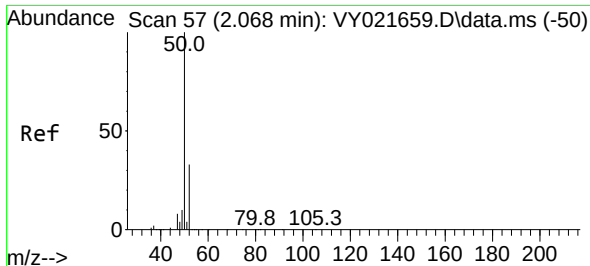
Tgt Ion: 85 Resp: 120589

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6

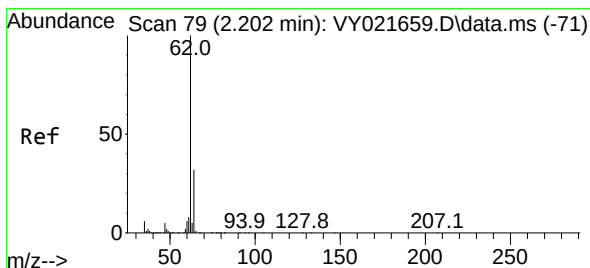
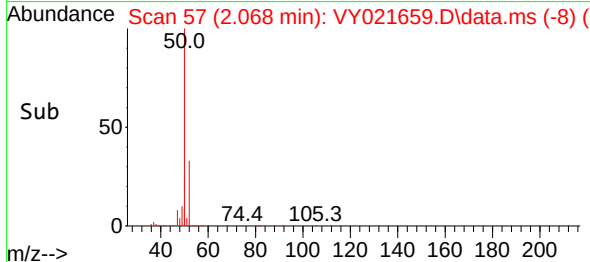
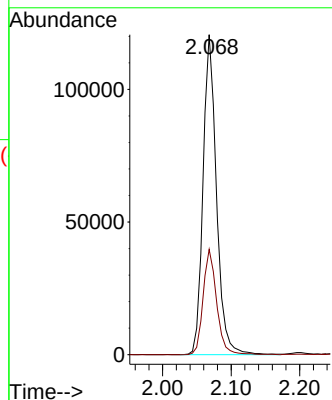
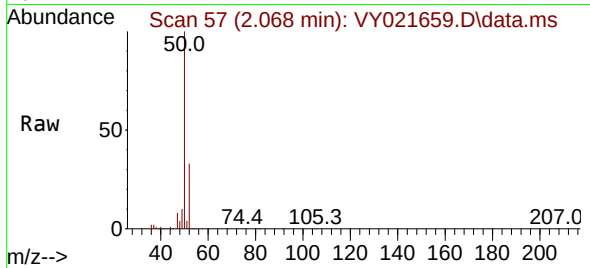




#3
Chloromethane
Concen: 47.510 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

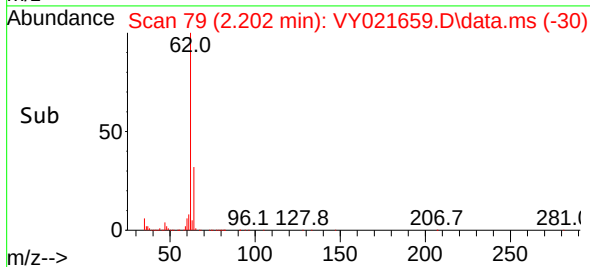
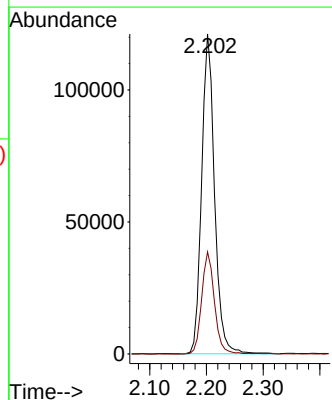
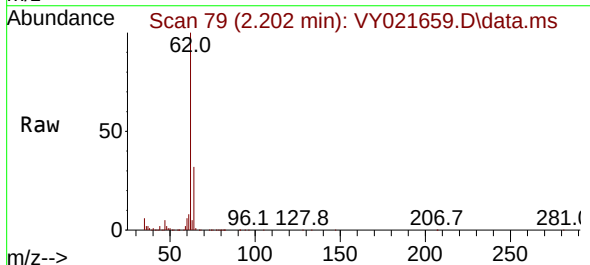
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

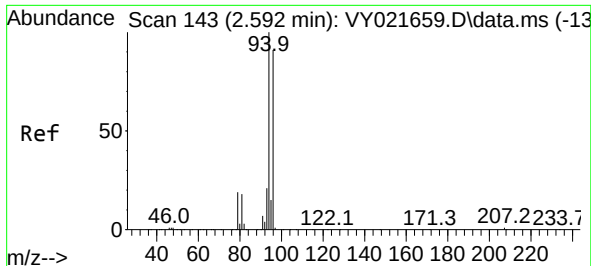
Tgt Ion: 50 Resp: 164961
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5



#4
Vinyl Chloride
Concen: 48.513 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 190491
Ion Ratio Lower Upper
62 100
64 31.9 25.5 38.3

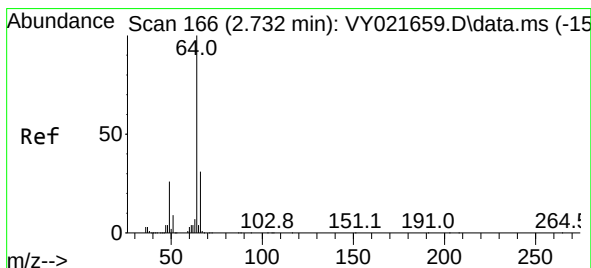
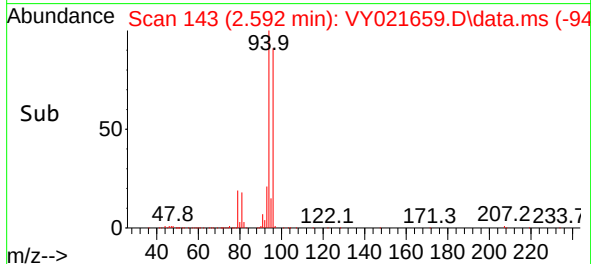
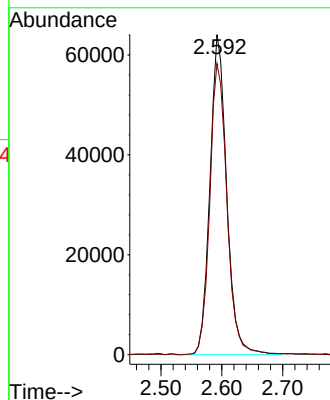
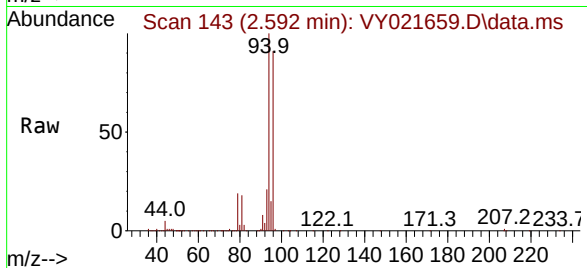




#5
Bromomethane
Concen: 45.662 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

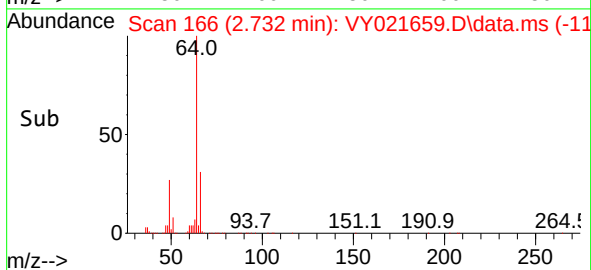
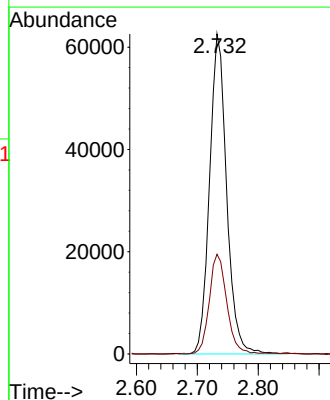
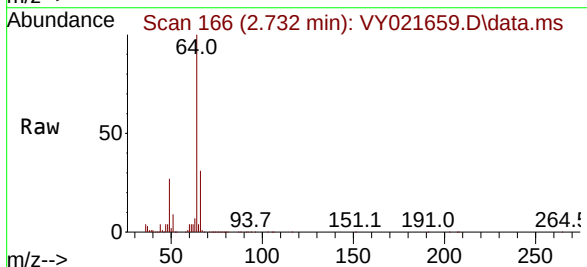
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

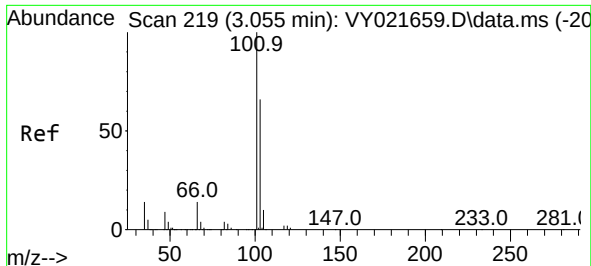
Tgt Ion: 94 Resp: 122288
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2



#6
Chloroethane
Concen: 47.492 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 64 Resp: 122027
Ion Ratio Lower Upper
64 100
66 31.1 24.9 37.3

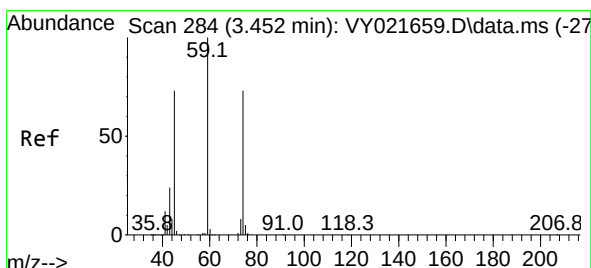
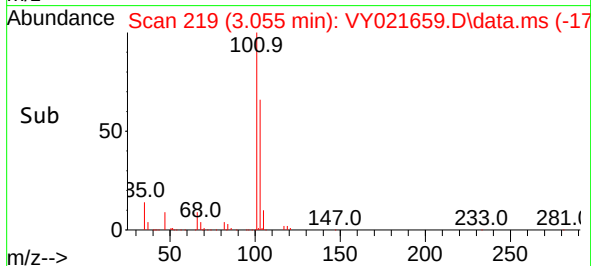
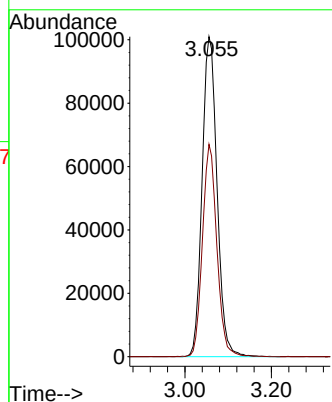
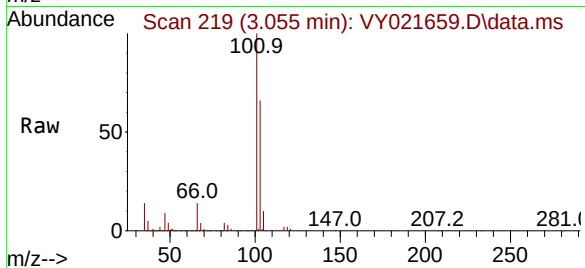




#7
 Trichlorofluoromethane
 Concen: 47.980 ug/l
 RT: 3.055 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

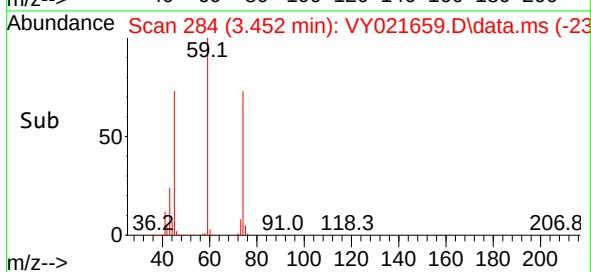
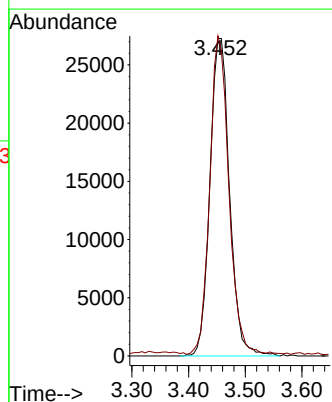
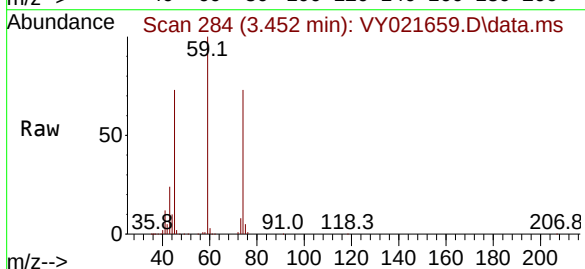
Instrument :
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 ClientSampleId :
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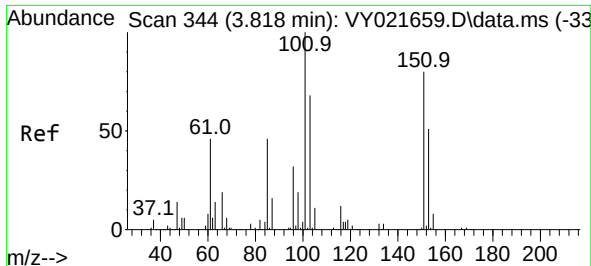
Tgt Ion:101 Resp: 241339
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.1 79.7



#8
 Diethyl Ether
 Concen: 47.960 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

Tgt Ion: 74 Resp: 65605
 Ion Ratio Lower Upper
 74 100
 45 97.2 48.6 145.8

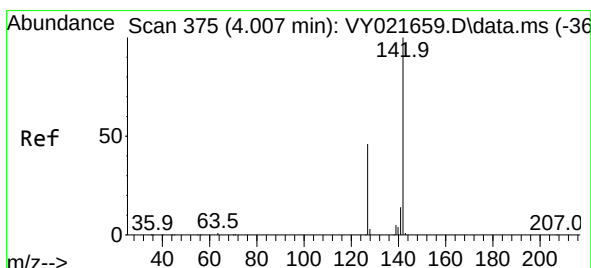
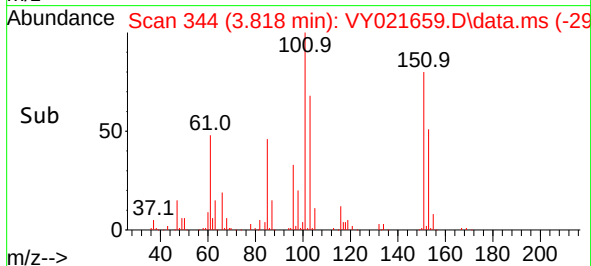
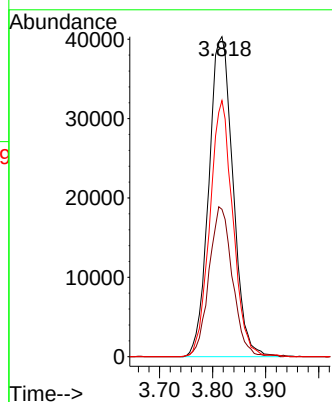
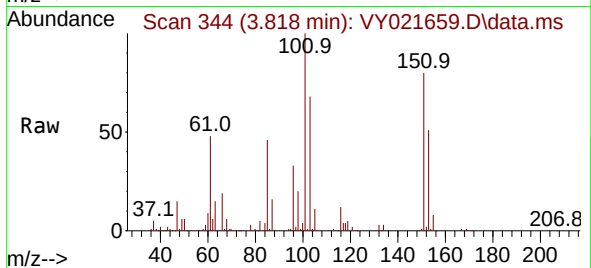




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.159 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

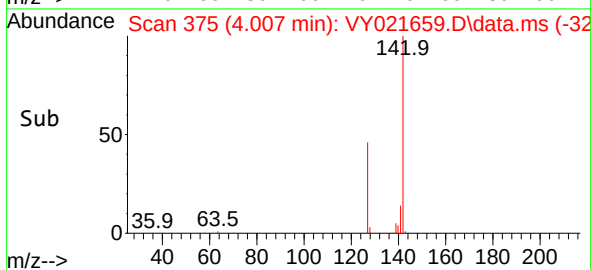
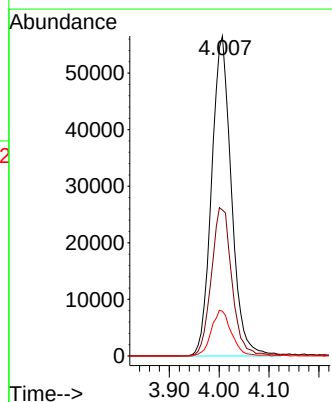
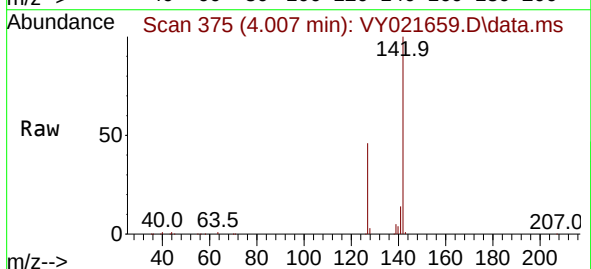
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

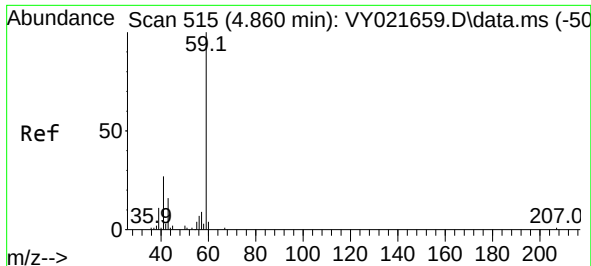
Tgt Ion:101 Resp: 127763
Ion Ratio Lower Upper
101 100
85 45.4 36.3 54.5
151 76.6 61.3 91.9



#10
Methyl Iodide
Concen: 53.639 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:142 Resp: 156113
Ion Ratio Lower Upper
142 100
127 48.4 38.7 58.1
141 14.4 11.5 17.3

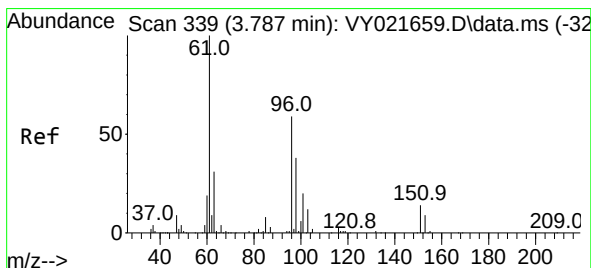
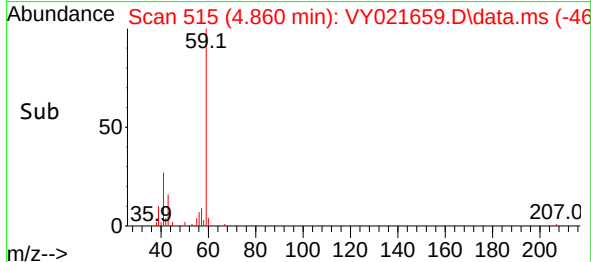
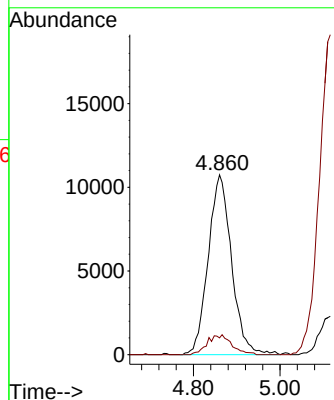
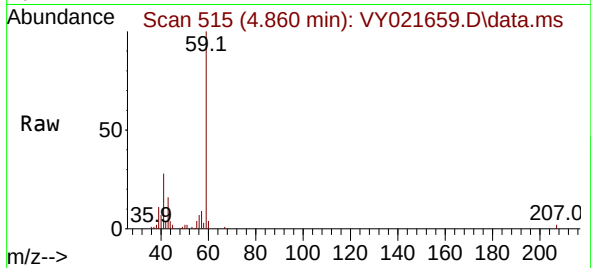




#11
Tert butyl alcohol
Concen: 240.362 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

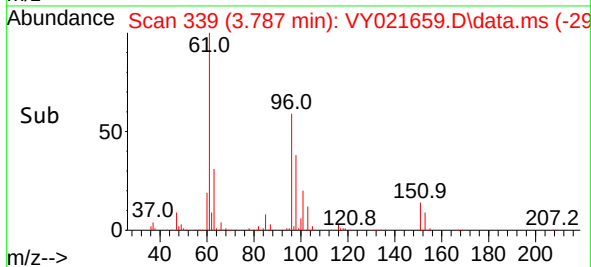
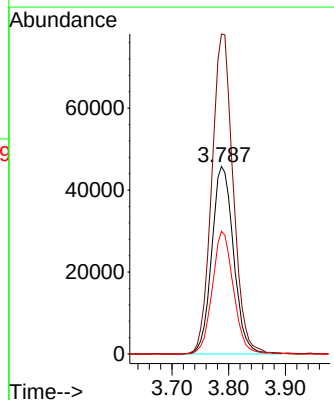
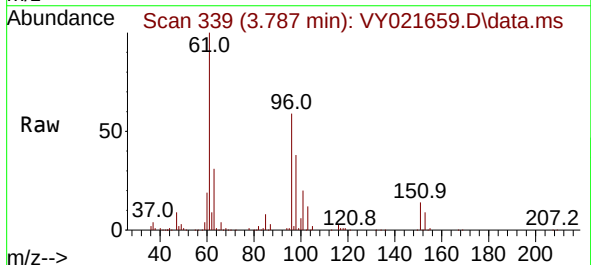
Instrument :
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ClientSampleId :
VSTDICCC050

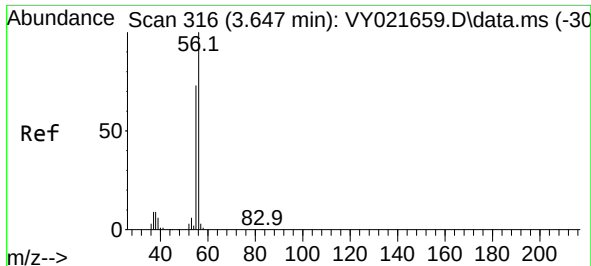
Tgt Ion: 59 Resp: 40298
Ion Ratio Lower Upper
59 100
57 11.5 9.2 13.8



#12
1,1-Dichloroethene
Concen: 48.991 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 96 Resp: 122422
Ion Ratio Lower Upper
96 100
61 170.7 136.6 204.8
98 65.4 52.3 78.5

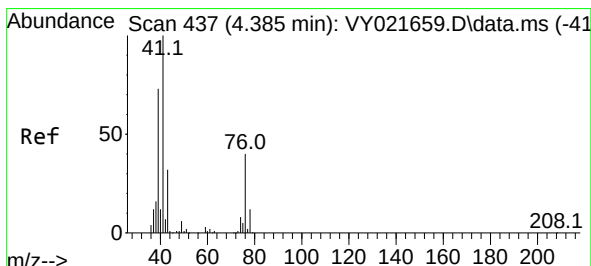
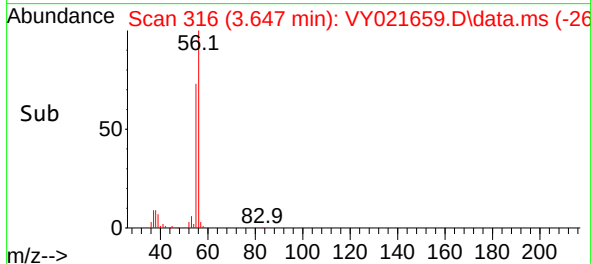
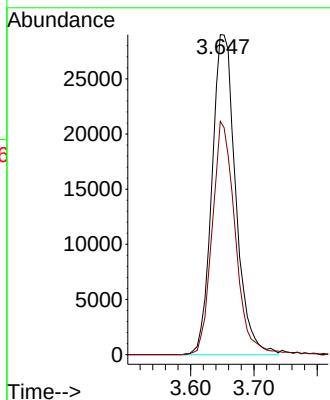
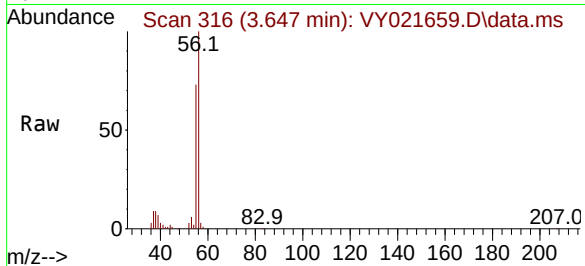




#13
Acrolein
Concen: 246.189 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

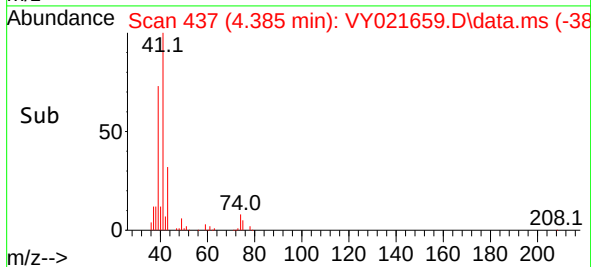
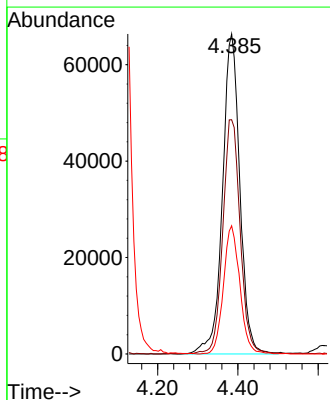
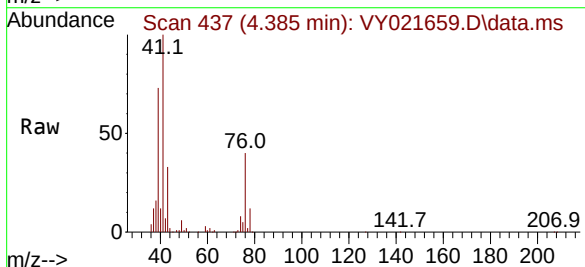
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

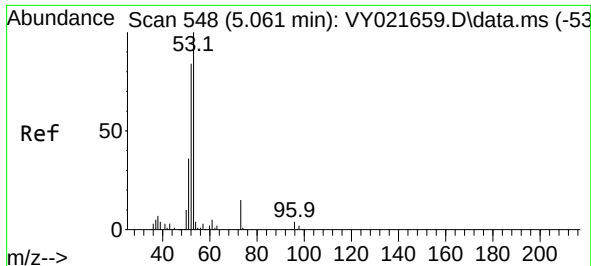
Tgt Ion: 56 Resp: 75366
Ion Ratio Lower Upper
56 100
55 70.8 56.6 85.0



#14
Allyl chloride
Concen: 50.077 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 199515
Ion Ratio Lower Upper
41 100
39 73.3 58.6 88.0
76 37.9 30.3 45.5

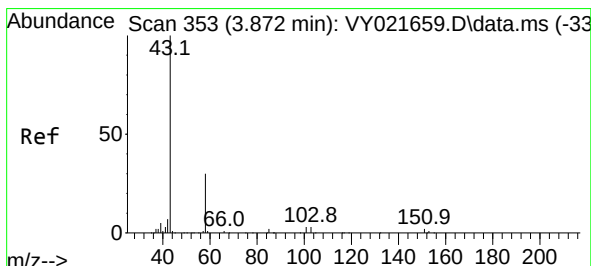
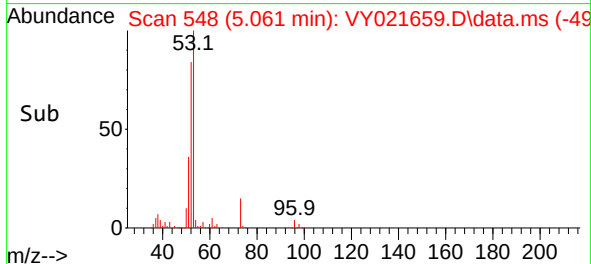
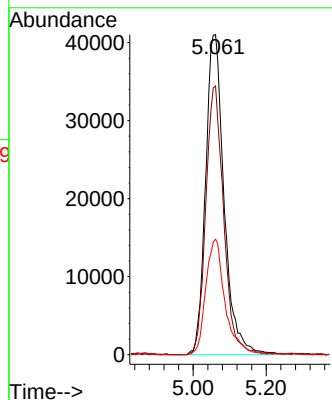
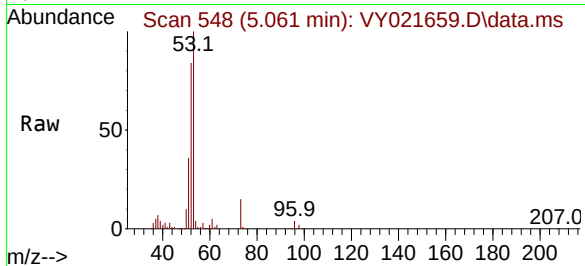




#15
Acrylonitrile
Concen: 252.430 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

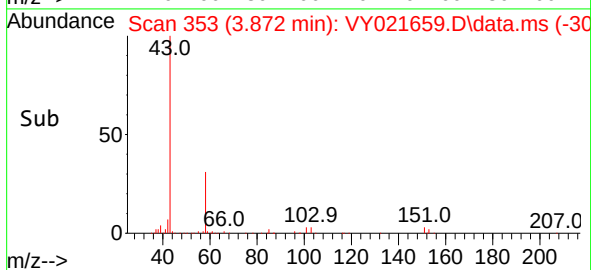
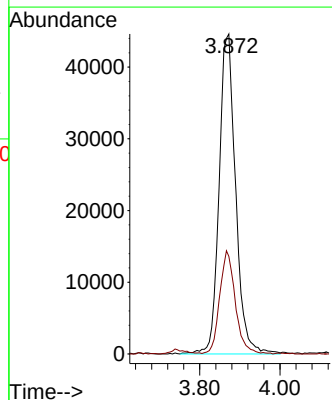
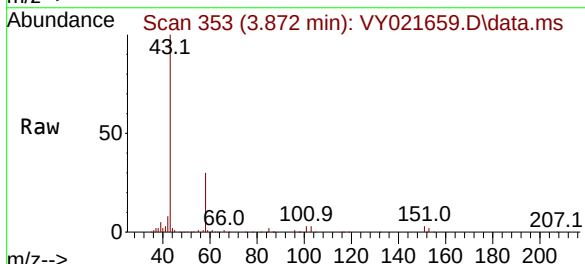
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

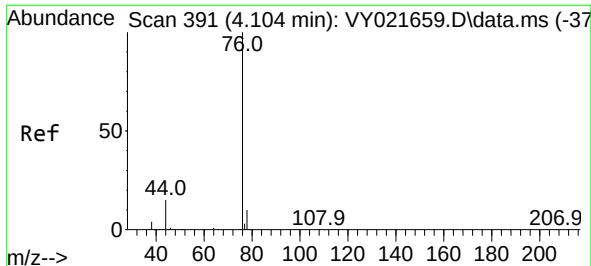
Tgt Ion: 53 Resp: 144175
Ion Ratio Lower Upper
53 100
52 81.1 64.9 97.3
51 37.7 30.2 45.2



#16
Acetone
Concen: 241.737 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 127702
Ion Ratio Lower Upper
43 100
58 30.3 24.2 36.4

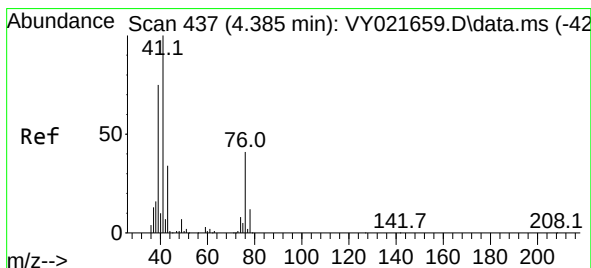
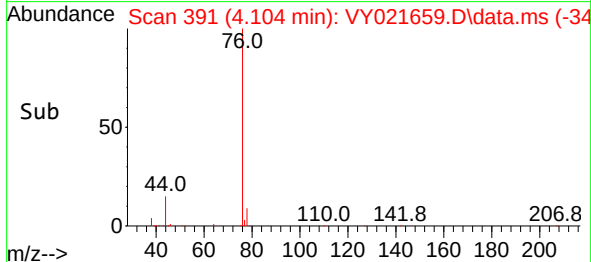
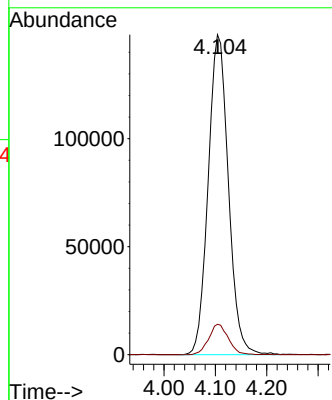
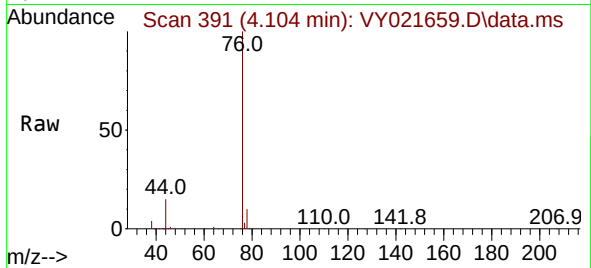




#17
Carbon Disulfide
Concen: 49.101 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

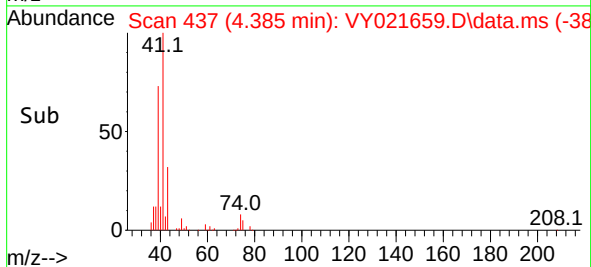
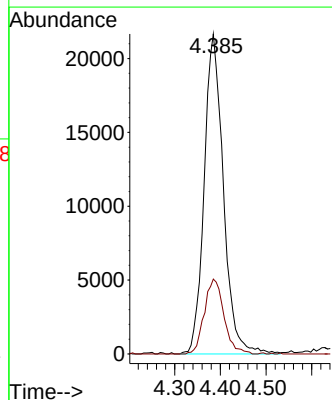
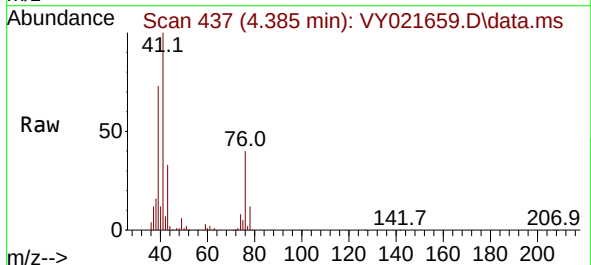
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

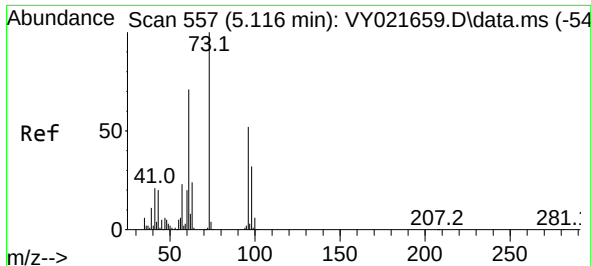
Tgt Ion: 76 Resp: 404128
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#18
Methyl Acetate
Concen: 48.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 63249
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.742 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

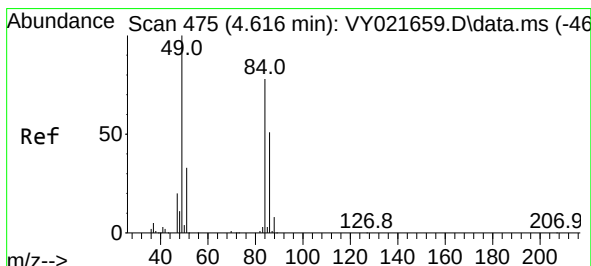
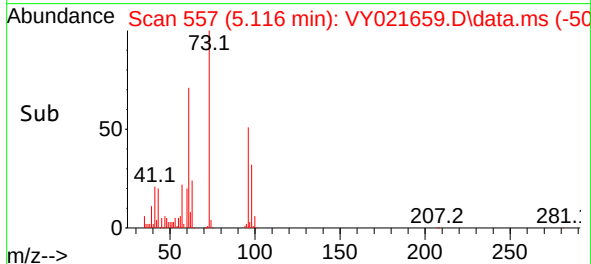
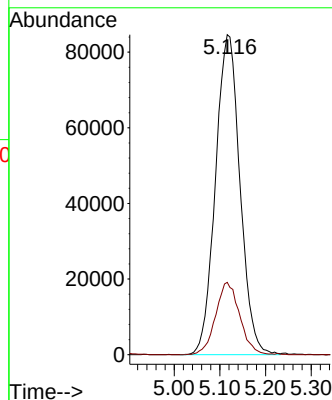
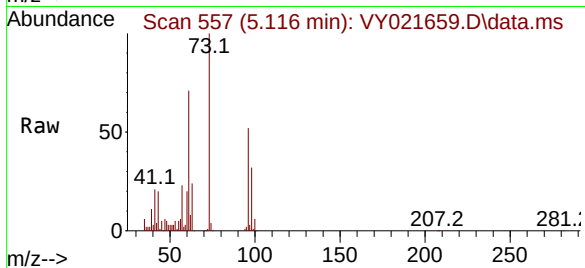
VSTDICCC050

Tgt Ion: 73 Resp: 315679

Ion Ratio Lower Upper

73 100

57 22.6 18.1 27.1



#20

Methylene Chloride

Concen: 52.136 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Tgt Ion: 84 Resp: 134344

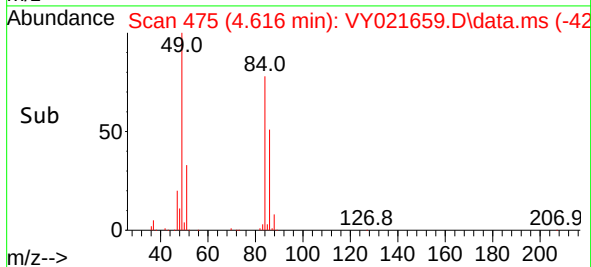
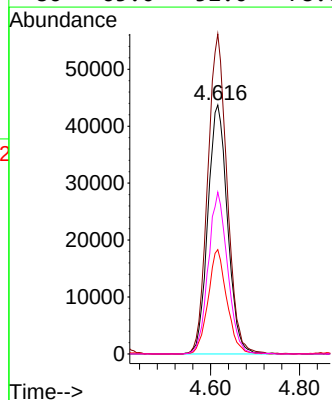
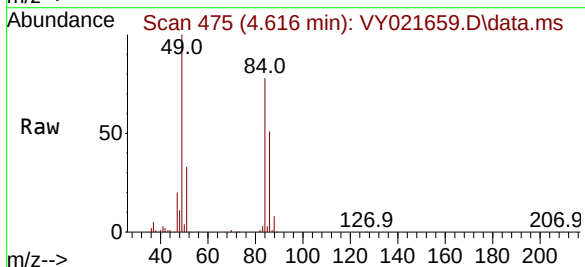
Ion Ratio Lower Upper

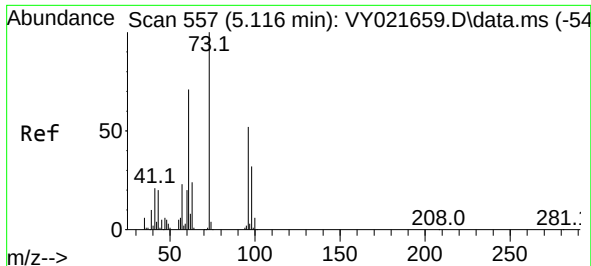
84 100

49 128.5 102.8 154.2

51 41.9 33.5 50.3

86 65.0 52.0 78.0

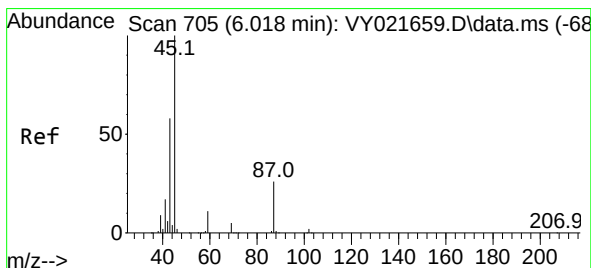
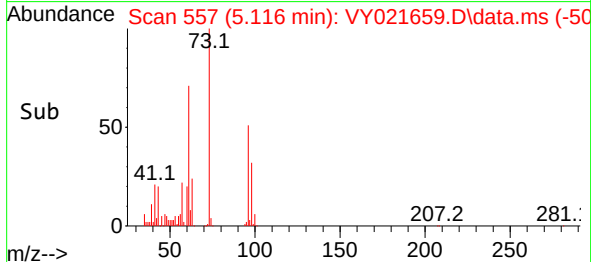
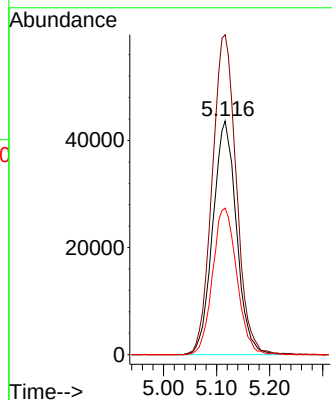
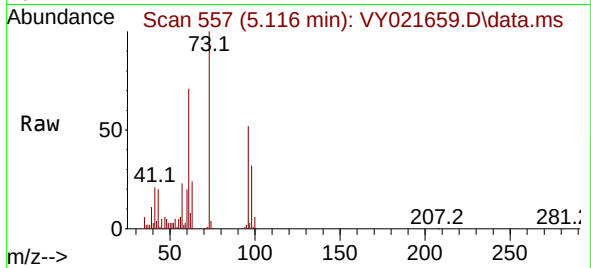




#21
trans-1,2-Dichloroethene
Concen: 49.108 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

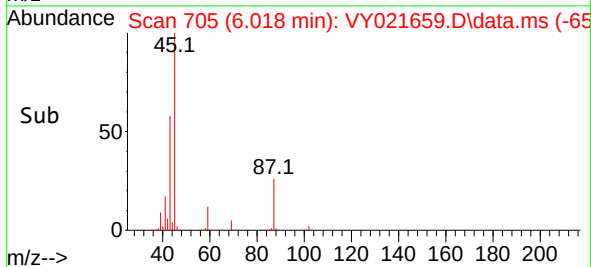
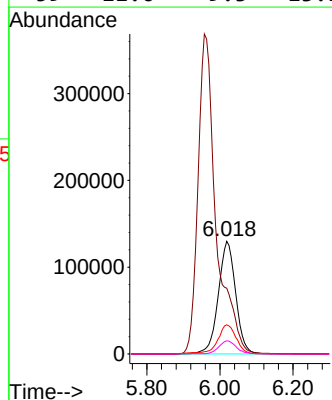
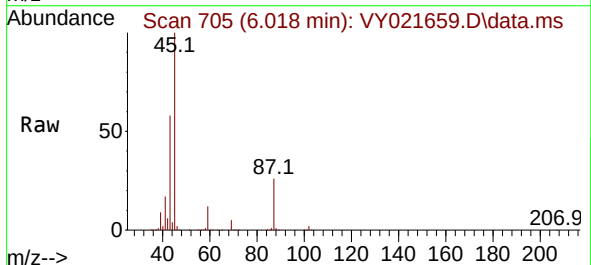
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

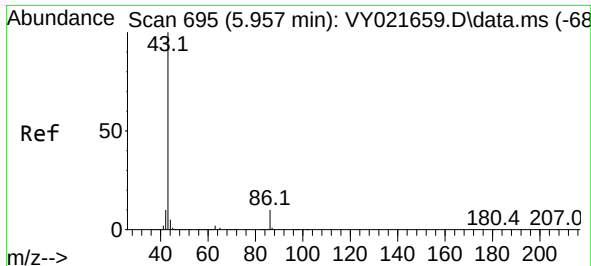
Tgt Ion: 96 Resp: 135112
Ion Ratio Lower Upper
96 100
61 136.7 109.4 164.0
98 62.7 50.2 75.2



#22
Diisopropyl ether
Concen: 51.315 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 45 Resp: 428881
Ion Ratio Lower Upper
45 100
43 58.2 46.6 69.8
87 25.9 20.7 31.1
59 11.6 9.3 13.9

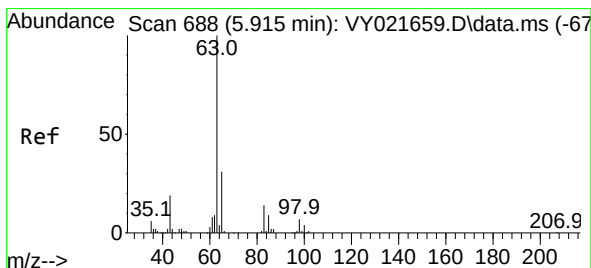
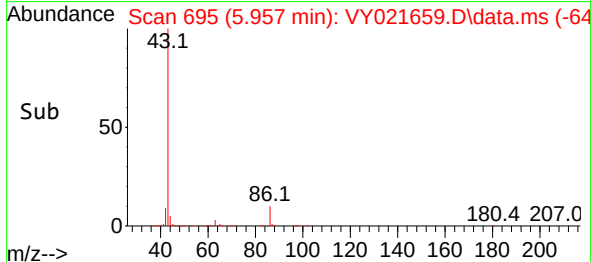
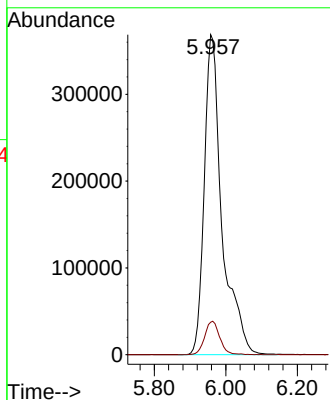
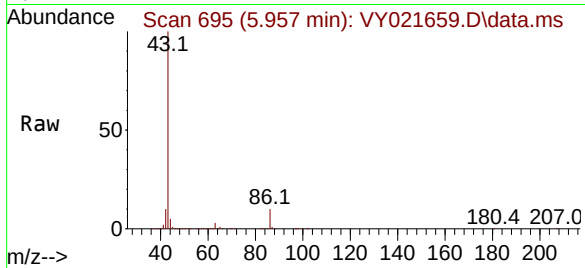




#23
 Vinyl Acetate
 Concen: 259.718 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

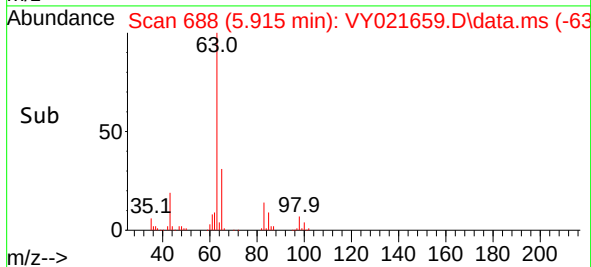
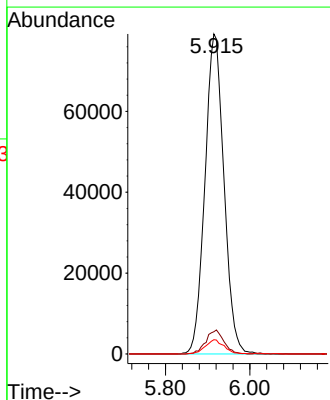
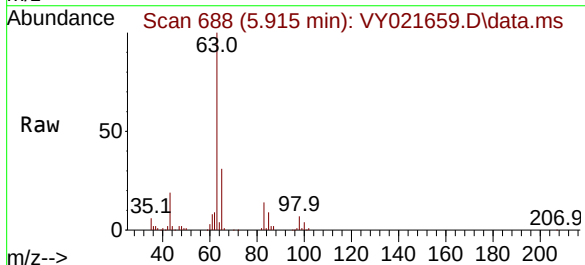
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

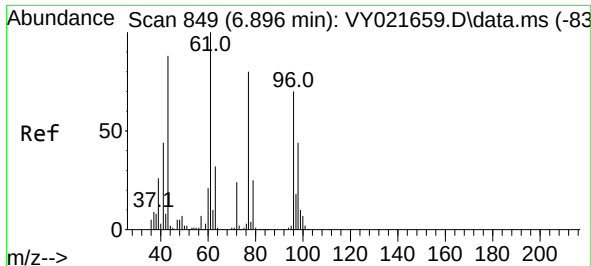
Tgt Ion: 43 Resp: 1269853
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 49.589 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 247826
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.4 2.2 6.6

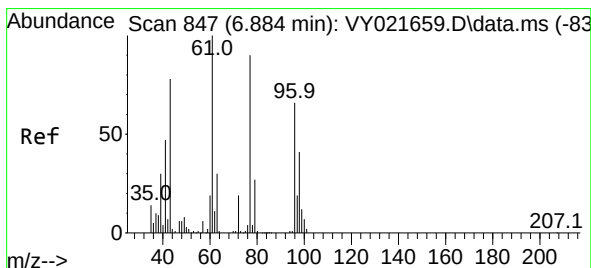
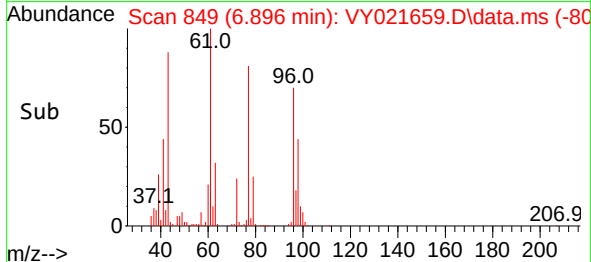
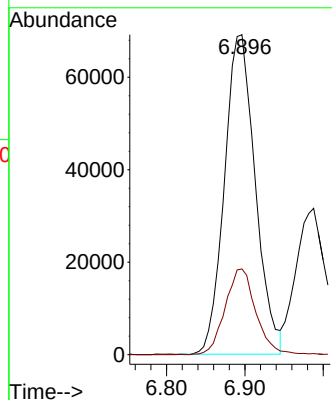
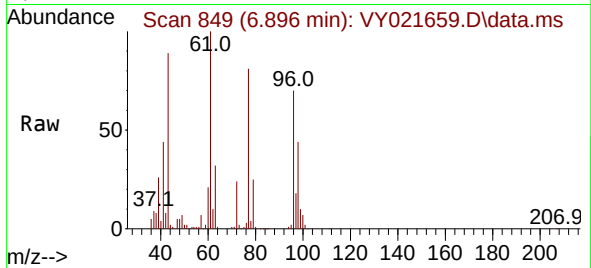




#25
2-Butanone
Concen: 251.037 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

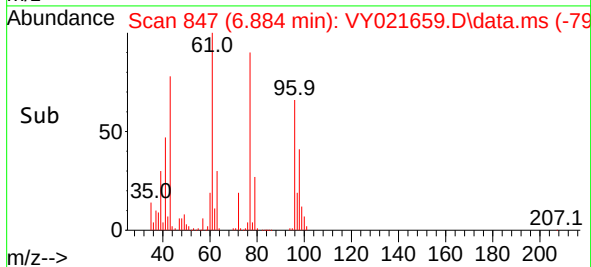
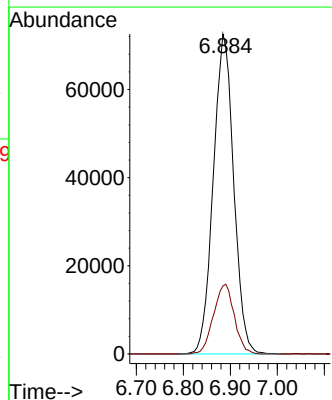
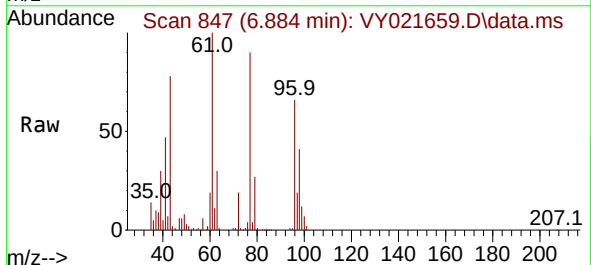
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

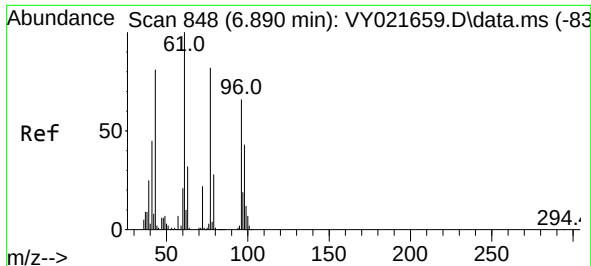
Tgt Ion: 43 Resp: 189416
Ion Ratio Lower Upper
43 100
72 26.8 21.4 32.2



#26
2,2-Dichloropropane
Concen: 49.293 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 77 Resp: 219131
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.214 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

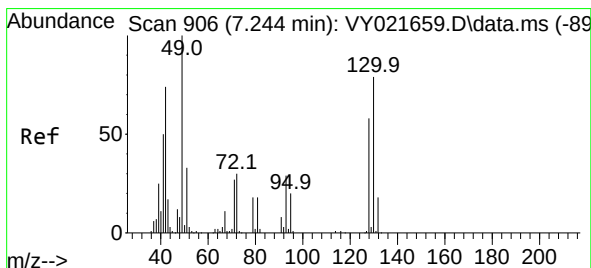
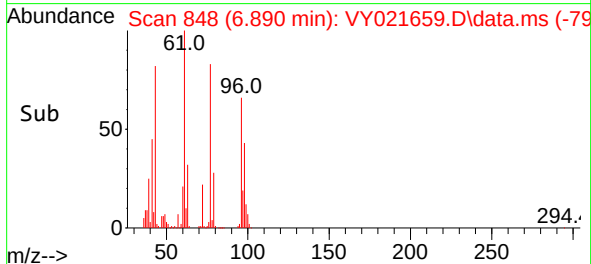
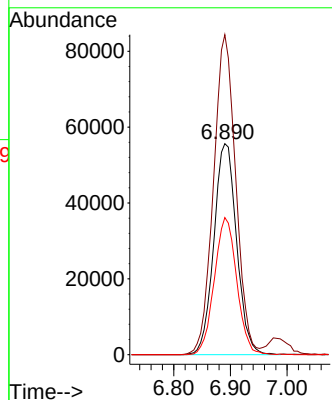
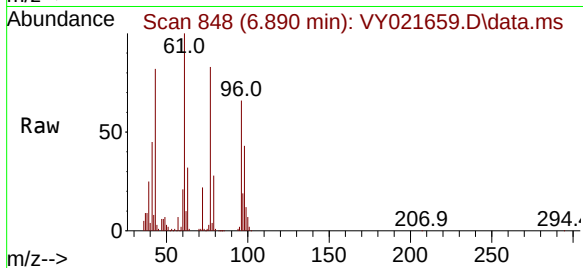
Tgt Ion: 96 Resp: 155365

Ion Ratio Lower Upper

96 100

61 148.2 0.0 296.4

98 64.0 0.0 128.0



#28

Bromochloromethane

Concen: 48.116 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

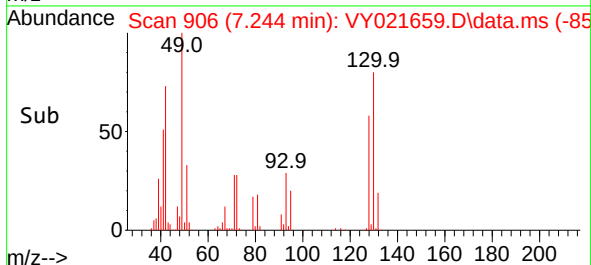
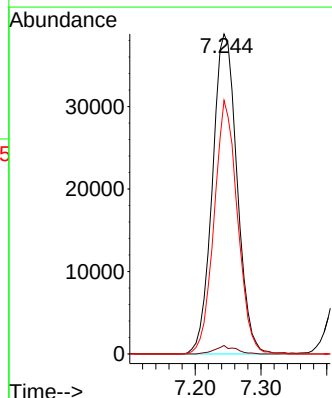
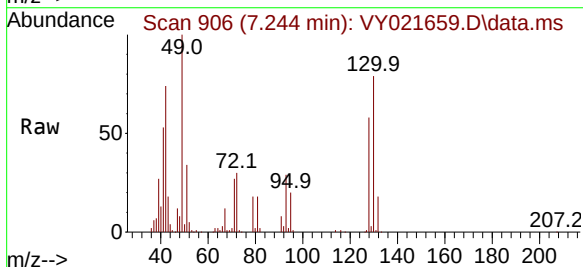
Tgt Ion: 49 Resp: 101413

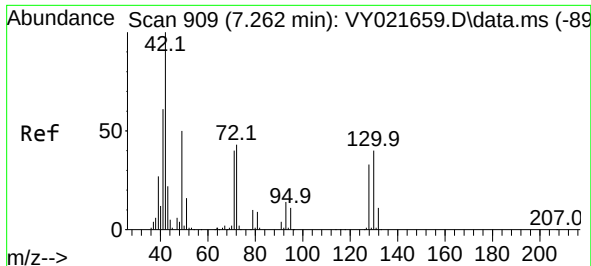
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 75.1 60.1 90.1





#29

Tetrahydrofuran

Concen: 258.206 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

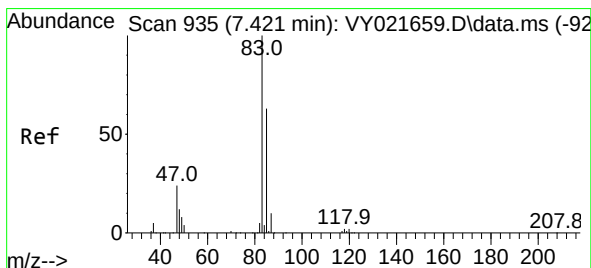
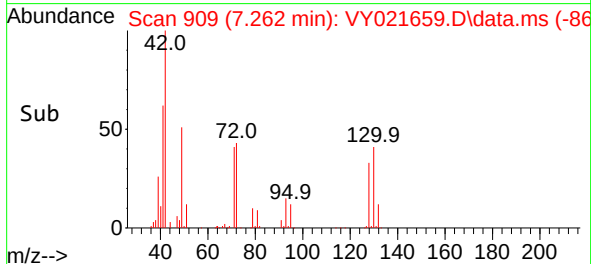
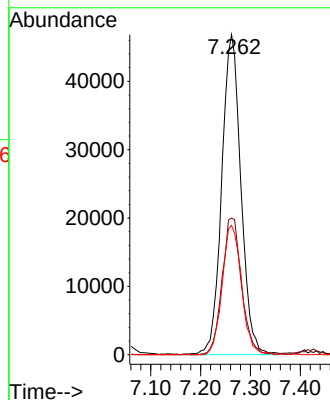
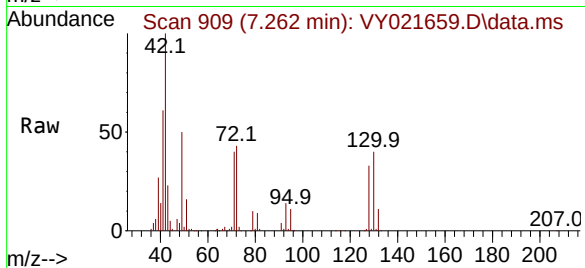
Tgt Ion: 42 Resp: 125387

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

71 40.6 32.5 48.7



#30

Chloroform

Concen: 49.541 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021659.D

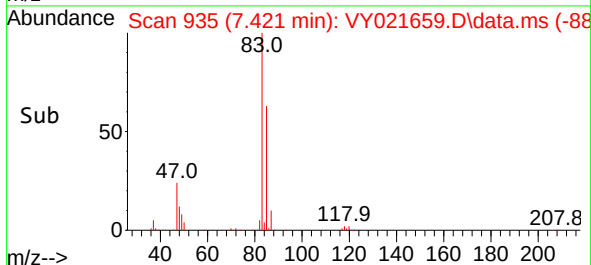
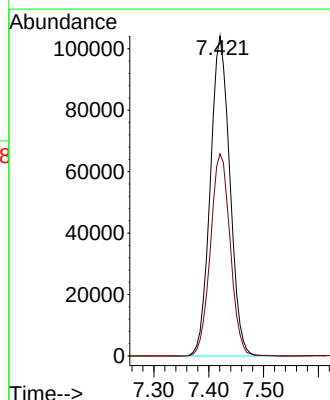
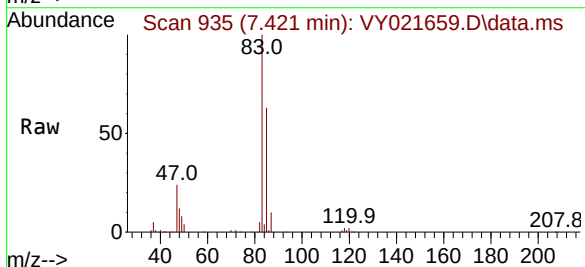
Acq: 27 Mar 2025 11:16

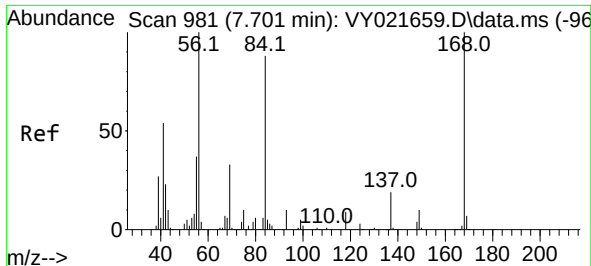
Tgt Ion: 83 Resp: 257511

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8

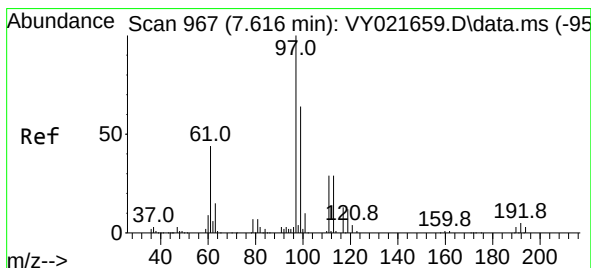
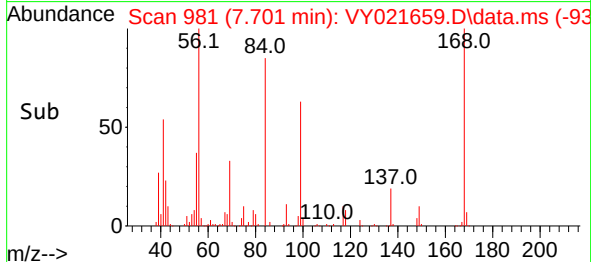
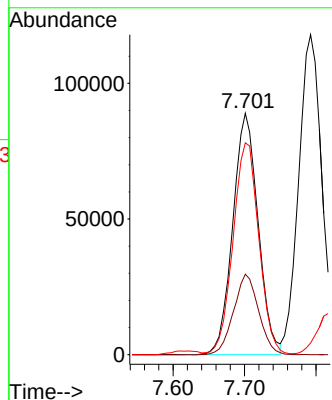
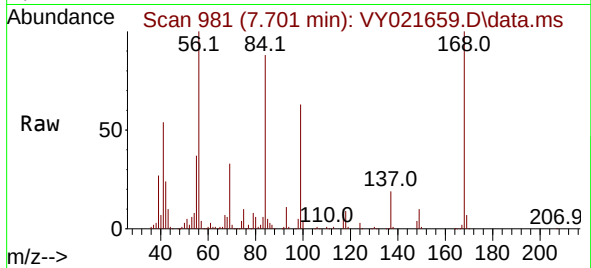




#31
Cyclohexane
Concen: 48.004 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

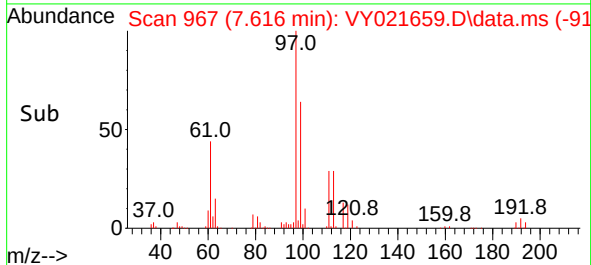
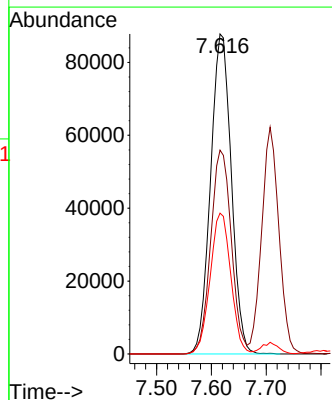
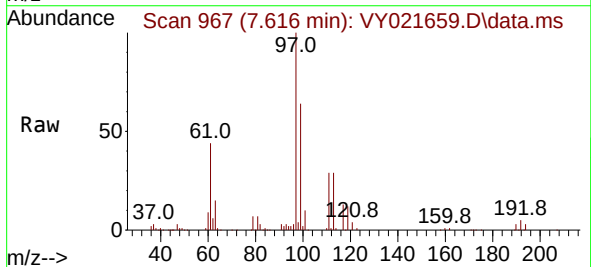
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

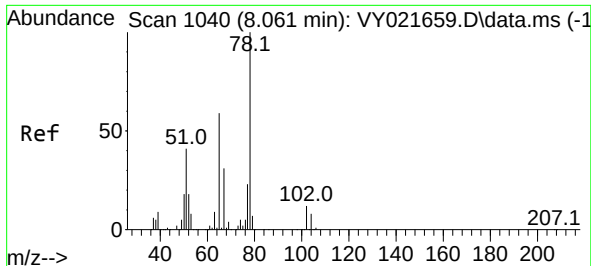
Tgt Ion: 56 Resp: 218689
Ion Ratio Lower Upper
56 100
69 33.3 26.6 40.0
84 86.2 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 49.051 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 230441
Ion Ratio Lower Upper
97 100
99 63.4 50.7 76.1
61 44.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.552 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

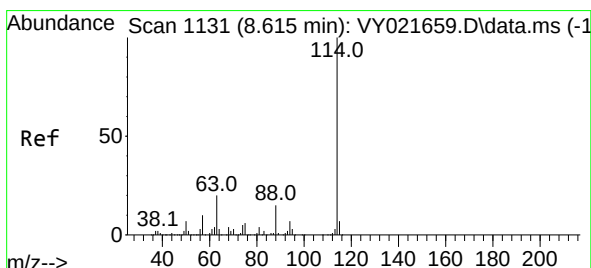
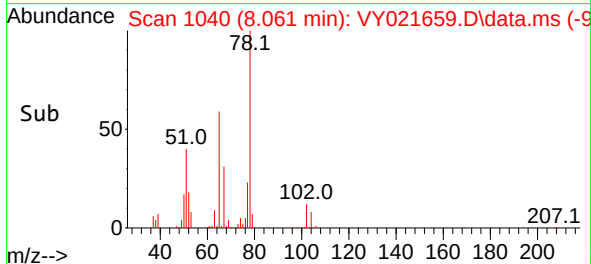
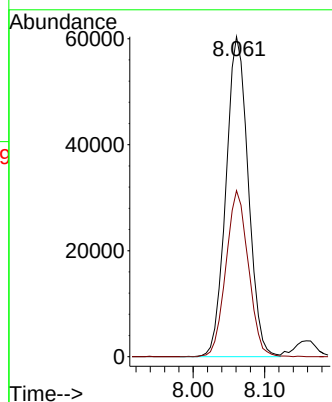
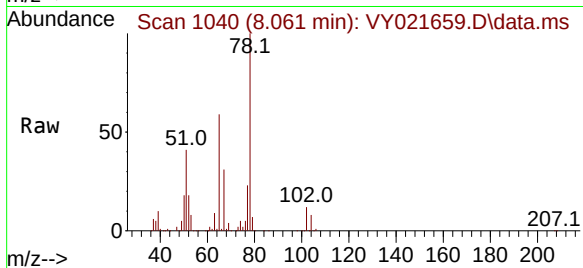
VSTDICCC050

Tgt Ion: 65 Resp: 130485

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

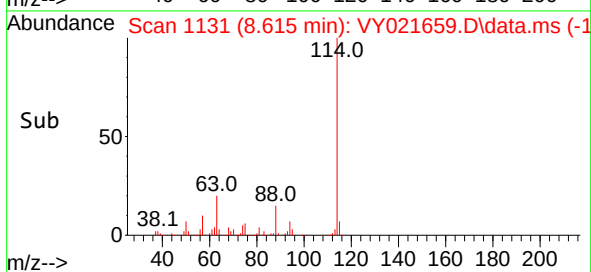
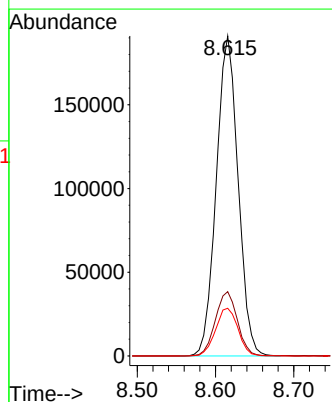
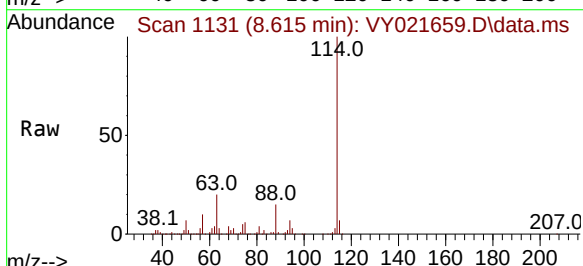
Tgt Ion: 114 Resp: 369963

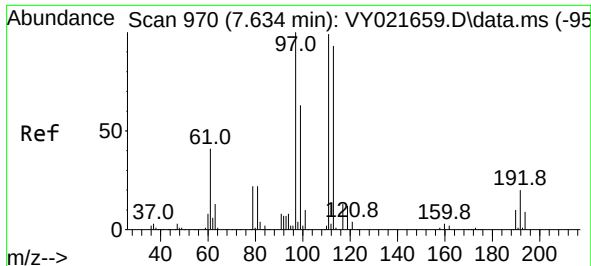
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.9 0.0 29.8

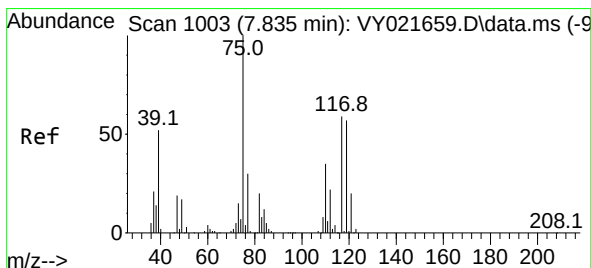
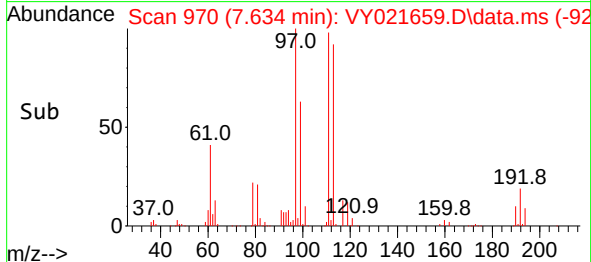
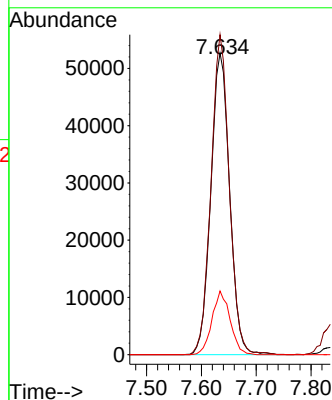
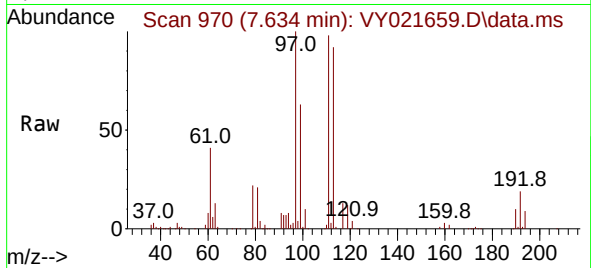




#35
 Dibromofluoromethane
 Concen: 52.259 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

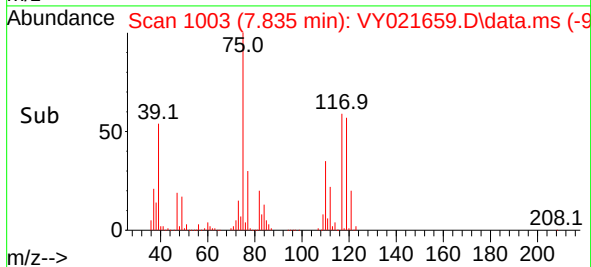
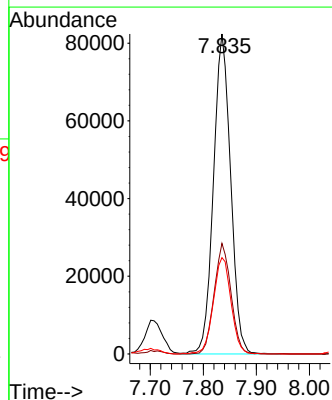
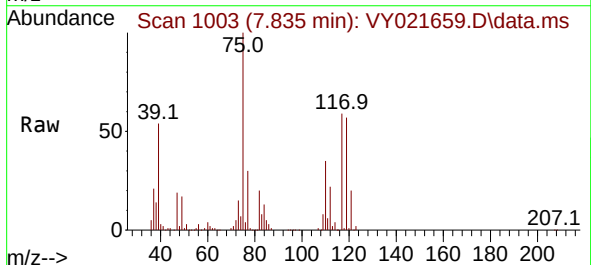
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

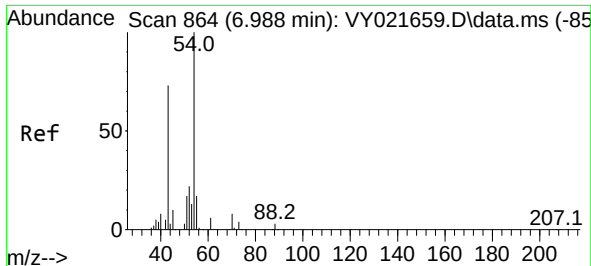
Tgt Ion:113 Resp: 125415
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.6 123.8
 192 20.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 50.763 ug/l
 RT: 7.835 min Scan# 1003
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 185559
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.0 50.9
 77 31.0 24.8 37.2





#37

Ethyl Acetate

Concen: 50.617 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

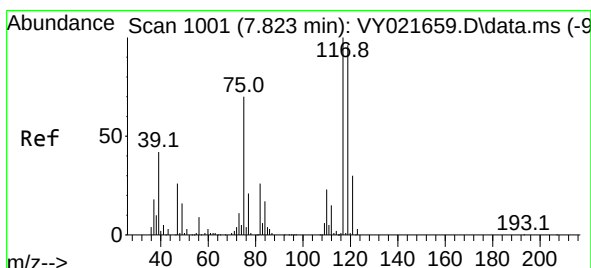
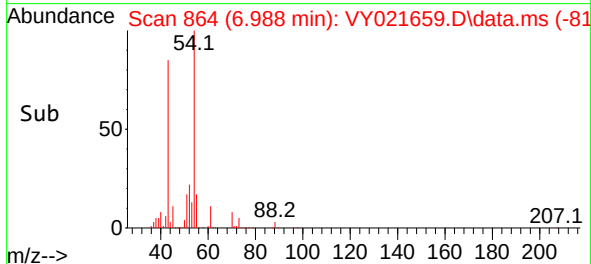
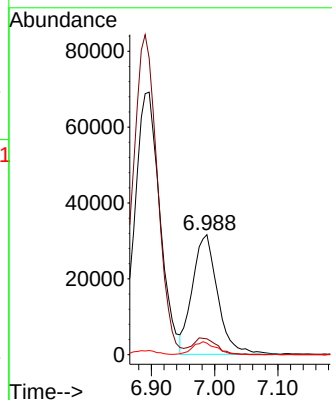
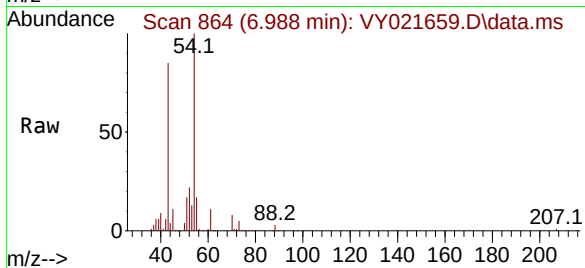
Tgt Ion: 43 Resp: 87321

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.6

70 10.1 8.1 12.1



#38

Carbon Tetrachloride

Concen: 49.810 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

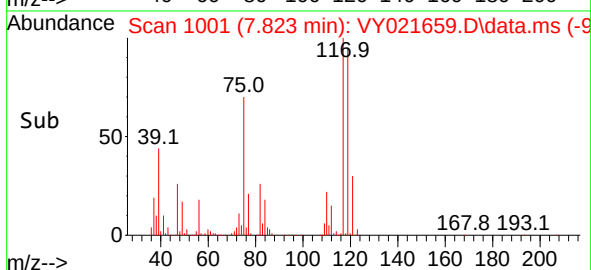
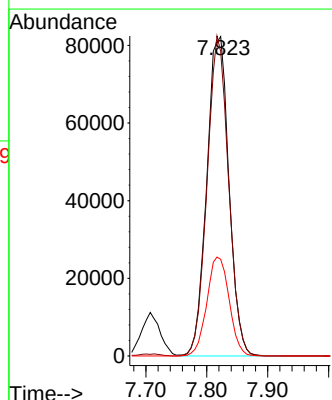
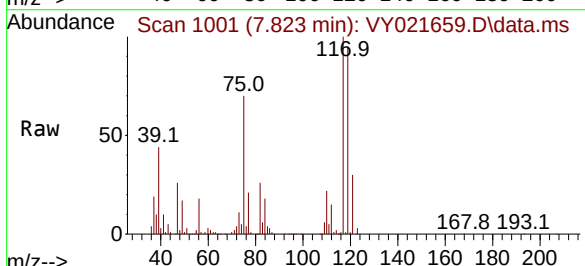
Tgt Ion: 117 Resp: 208537

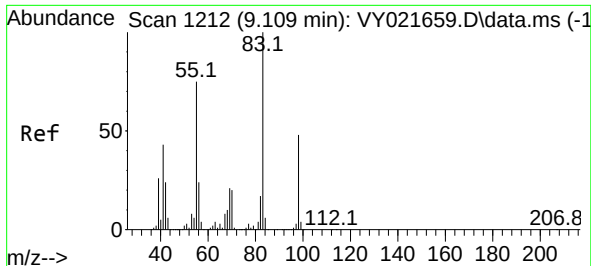
Ion Ratio Lower Upper

117 100

119 95.3 76.2 114.4

121 30.3 24.2 36.4





#39

Methylcyclohexane

Concen: 52.472 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

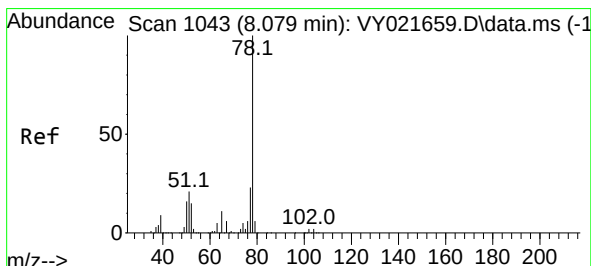
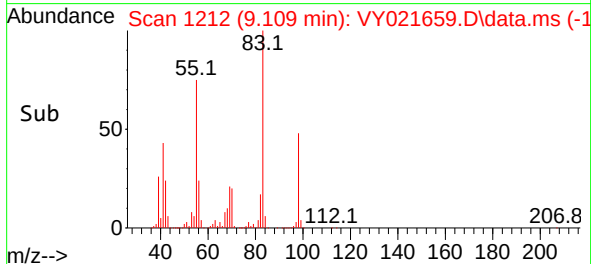
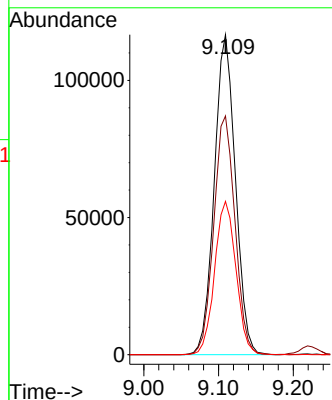
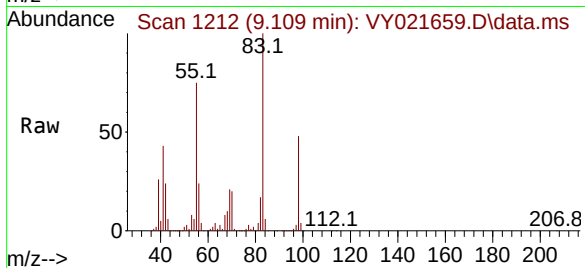
Tgt Ion: 83 Resp: 229134

Ion Ratio Lower Upper

83 100

55 74.6 59.7 89.5

98 47.9 38.3 57.5



#40

Benzene

Concen: 50.649 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021659.D

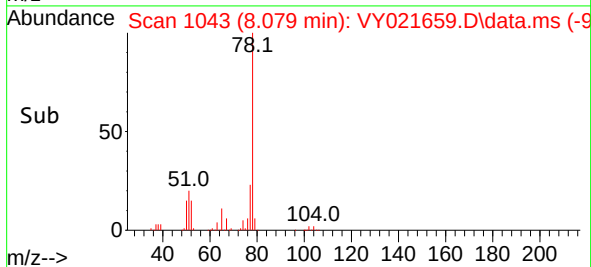
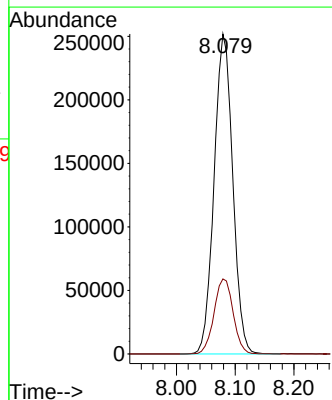
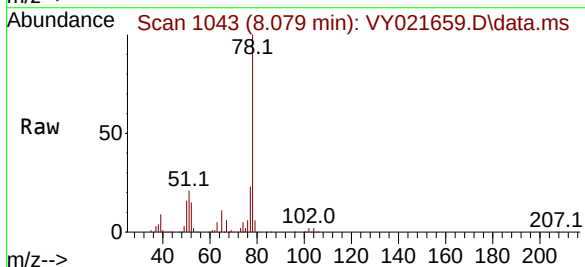
Acq: 27 Mar 2025 11:16

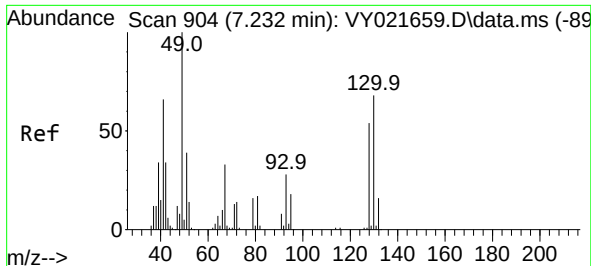
Tgt Ion: 78 Resp: 554462

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

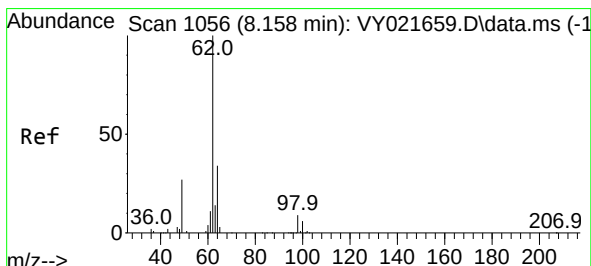
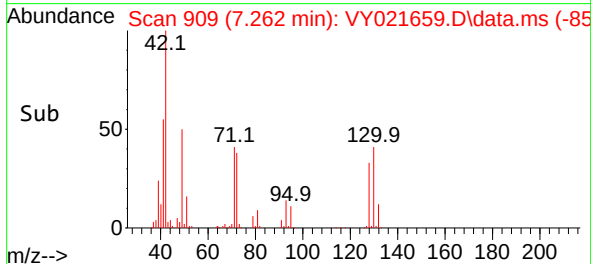
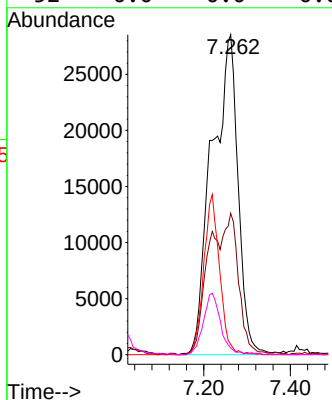
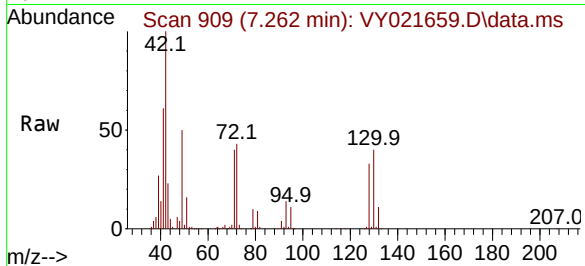




#41
Methacrylonitrile
Concen: 130.380 ug/l
RT: 7.262 min Scan# 904
Delta R.T. 0.030 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

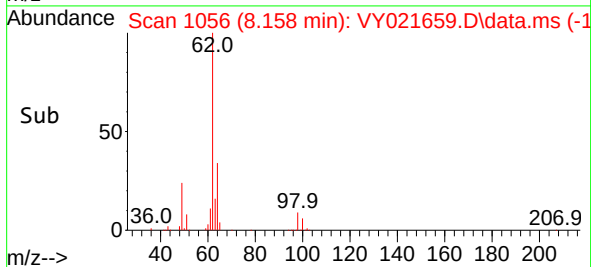
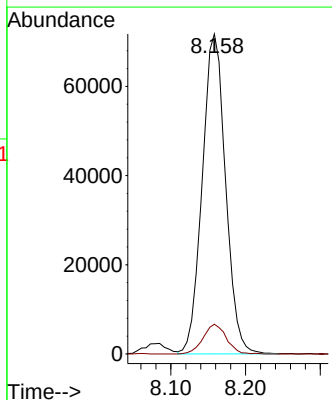
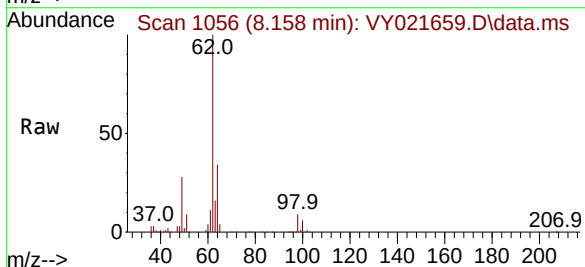
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

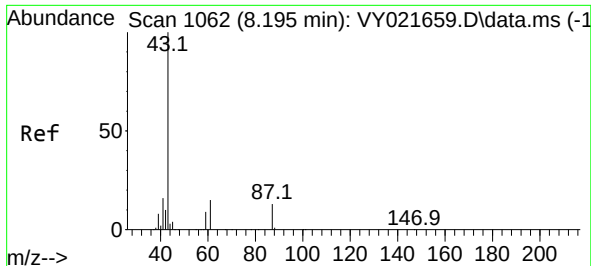
Tgt Ion:	41	Resp:	119440
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.343 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:	62	Resp:	155365
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.4

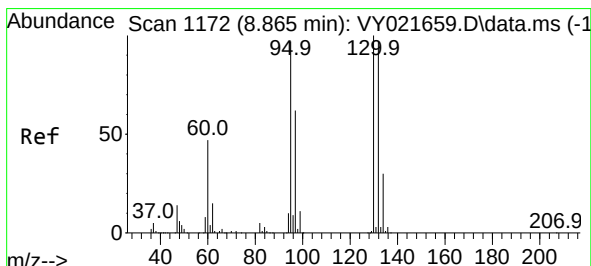
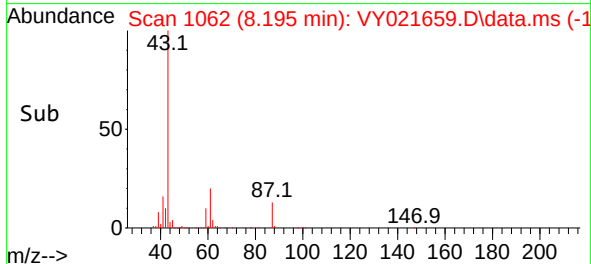
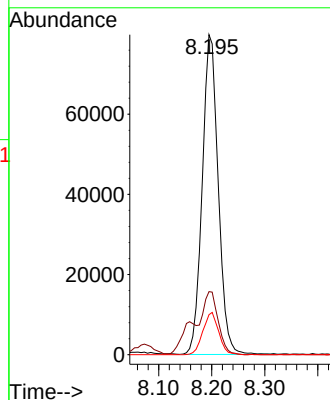
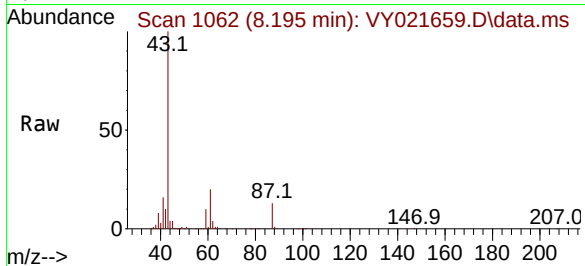




#43
Isopropyl Acetate
Concen: 51.076 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

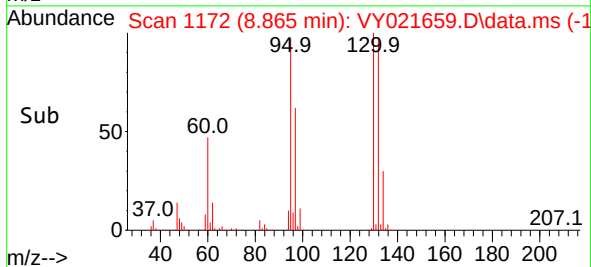
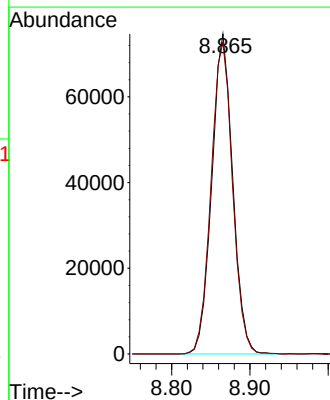
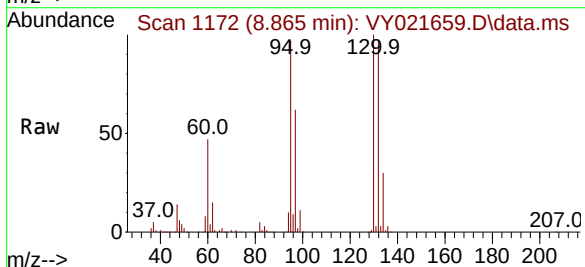
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

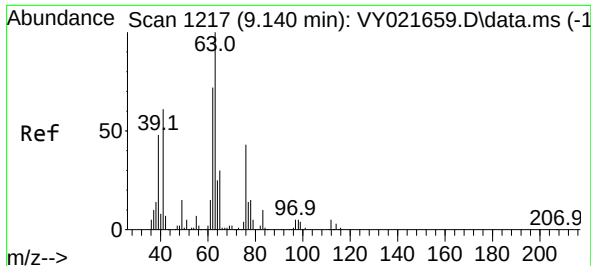
Tgt Ion: 43 Resp: 166982
Ion Ratio Lower Upper
43 100
61 19.9 15.9 23.9
87 13.0 10.4 15.6



#44
Trichloroethene
Concen: 49.637 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 130 Resp: 138449
Ion Ratio Lower Upper
130 100
95 97.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 50.395 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

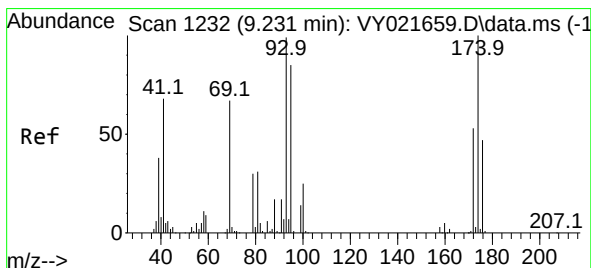
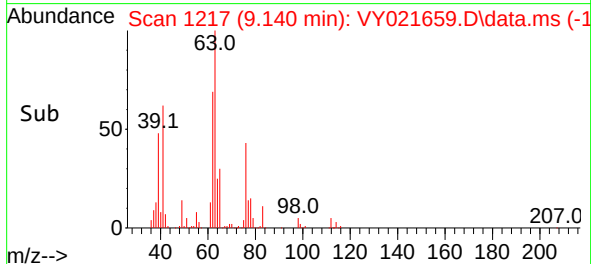
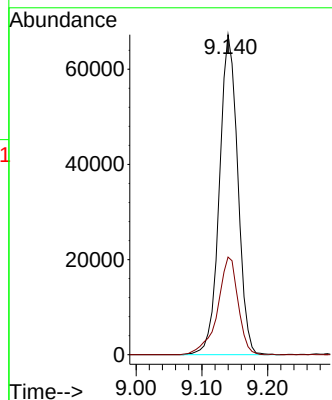
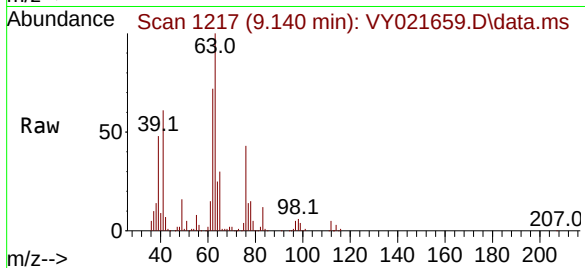
VSTDICCC050

Tgt Ion: 63 Resp: 130586

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



#46

Dibromomethane

Concen: 49.174 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

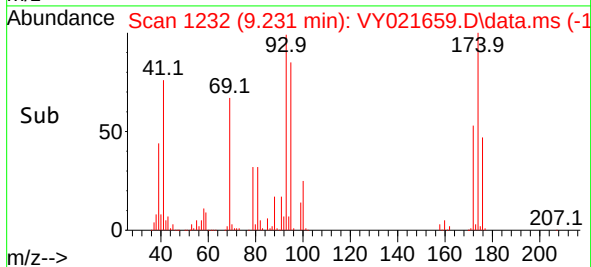
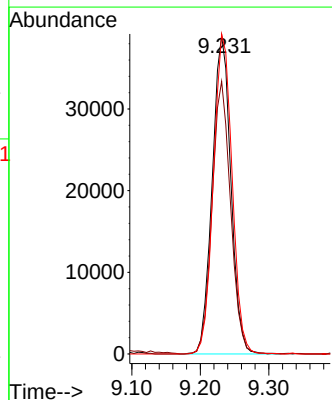
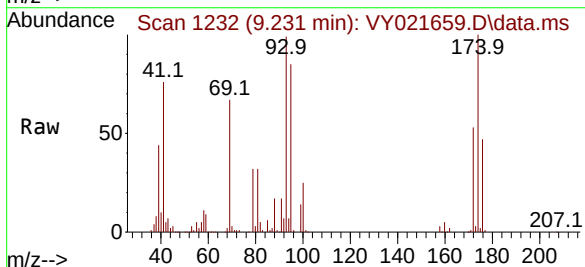
Tgt Ion: 93 Resp: 73435

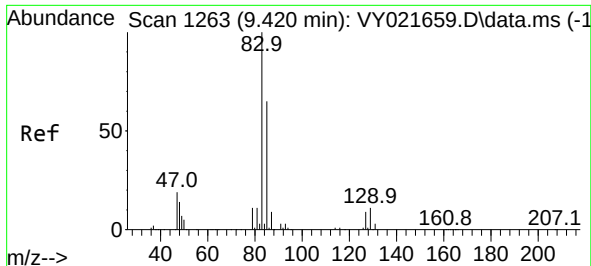
Ion Ratio Lower Upper

93 100

95 85.1 68.1 102.1

174 101.1 80.9 121.3

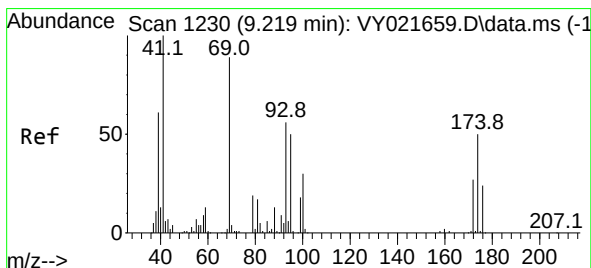
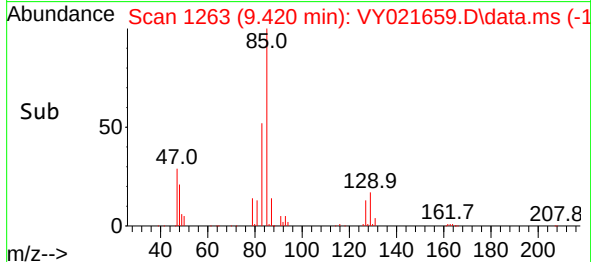
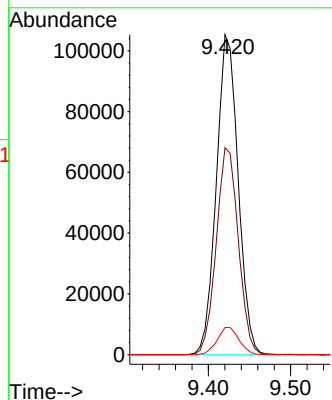
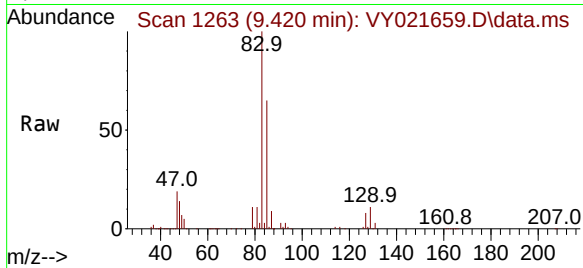




#47
Bromodichloromethane
Concen: 50.237 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

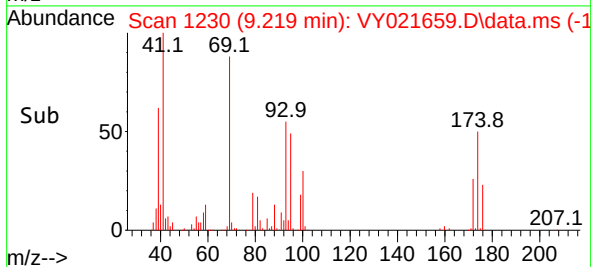
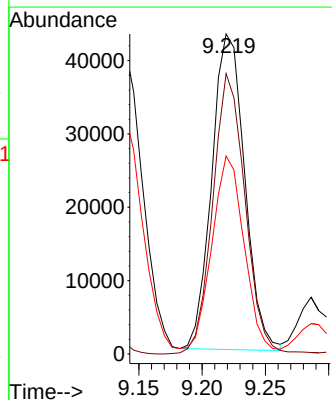
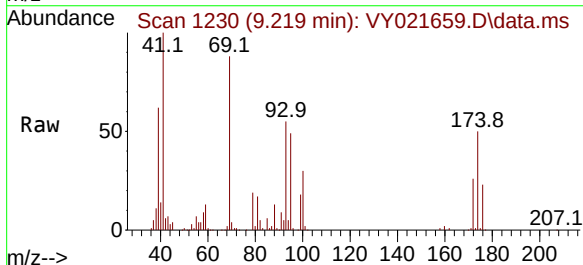
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

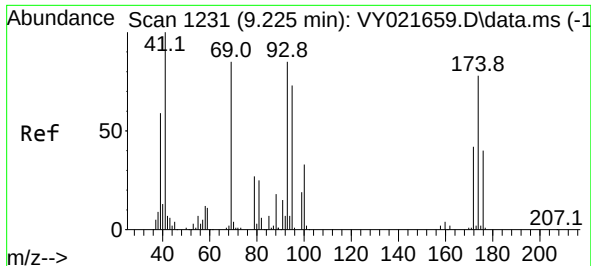
Tgt Ion: 83 Resp: 194399
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6
127 8.5 6.8 10.2



#48
Methyl methacrylate
Concen: 51.902 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 77877
Ion Ratio Lower Upper
41 100
69 87.3 69.8 104.8
39 59.0 47.2 70.8





#49

1,4-Dioxane

Concen: 1030.192 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

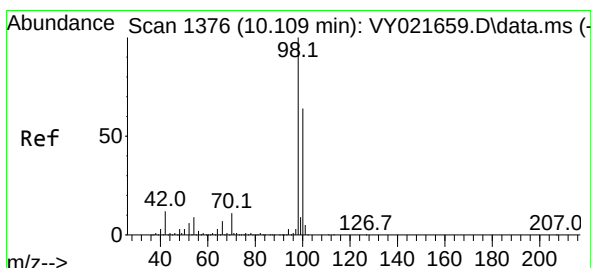
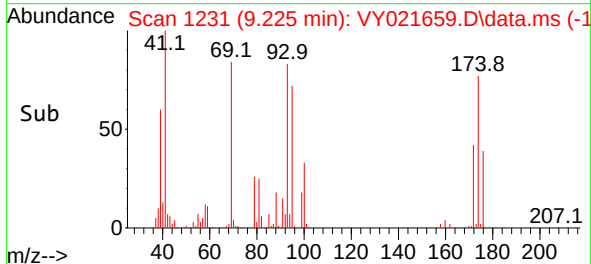
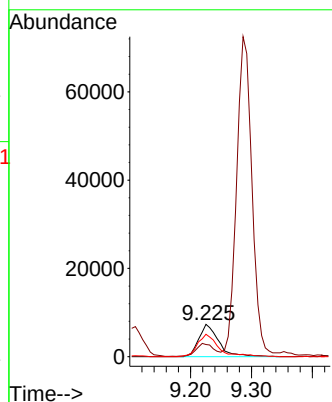
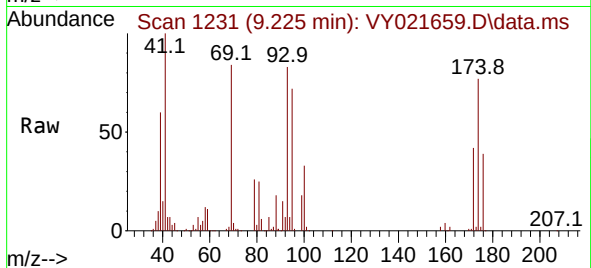
Tgt Ion: 88 Resp: 16481

Ion Ratio Lower Upper

88 100

43 36.0 28.8 43.2

58 74.3 59.4 89.2



#50

Toluene-d8

Concen: 52.909 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021659.D

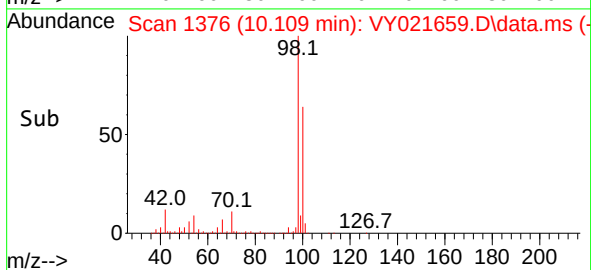
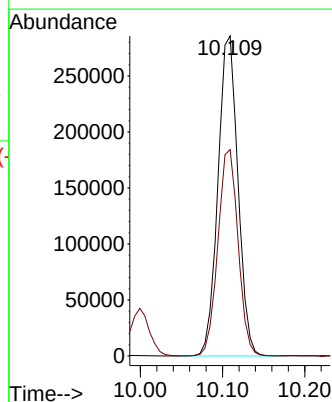
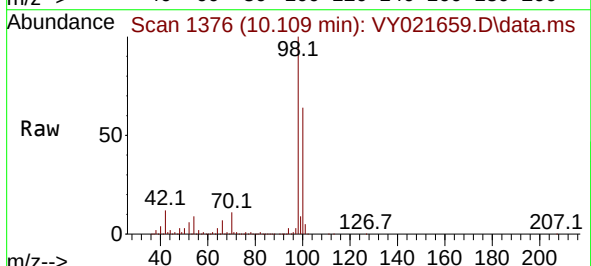
Acq: 27 Mar 2025 11:16

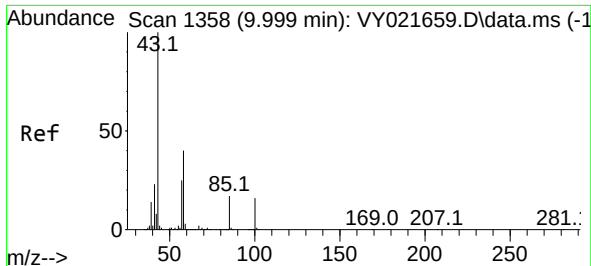
Tgt Ion: 98 Resp: 483058

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 261.893 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

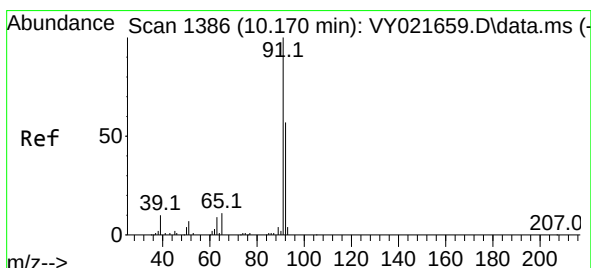
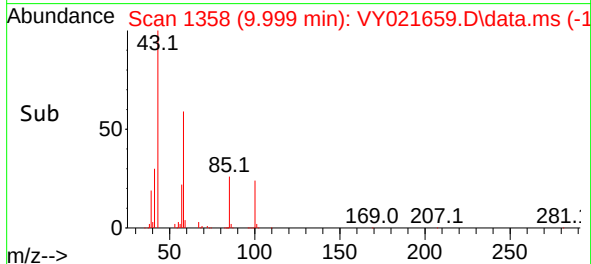
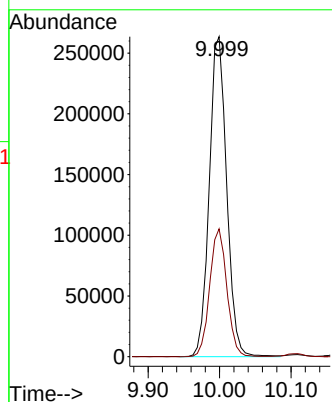
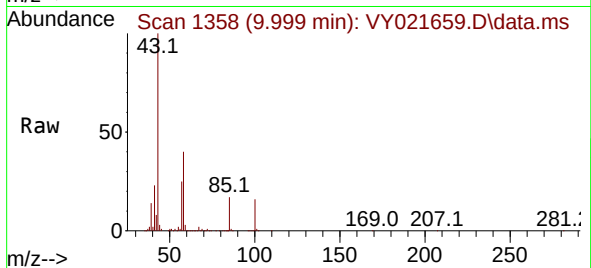
VSTDICCC050

Tgt Ion: 43 Resp: 445564

Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3



#52

Toluene

Concen: 51.496 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021659.D

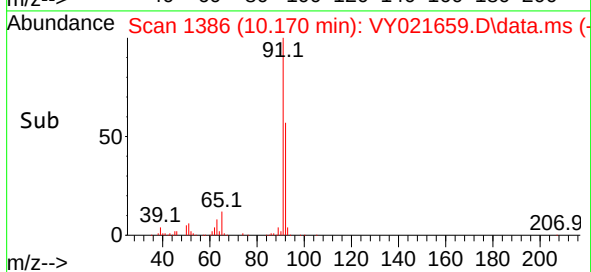
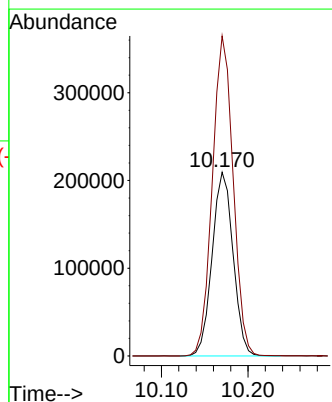
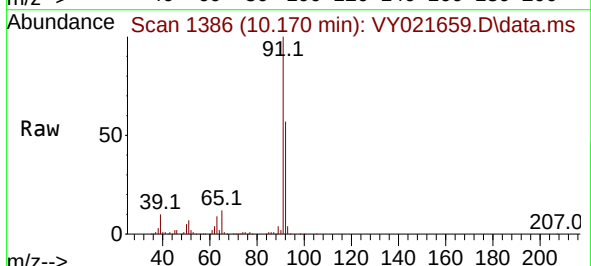
Acq: 27 Mar 2025 11:16

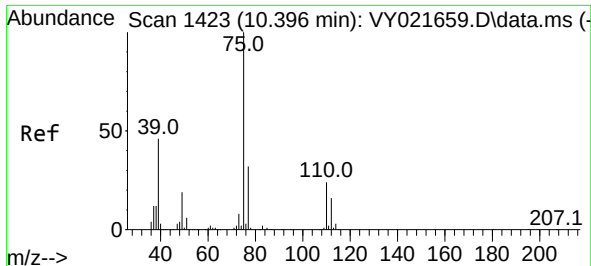
Tgt Ion: 92 Resp: 351715

Ion Ratio Lower Upper

92 100

91 173.2 138.6 207.8

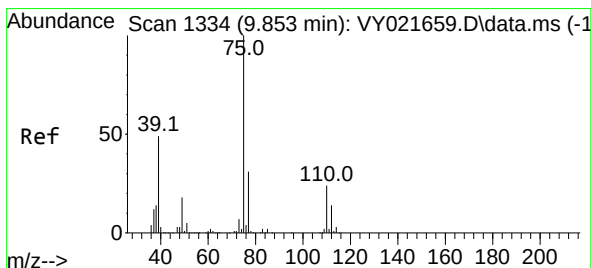
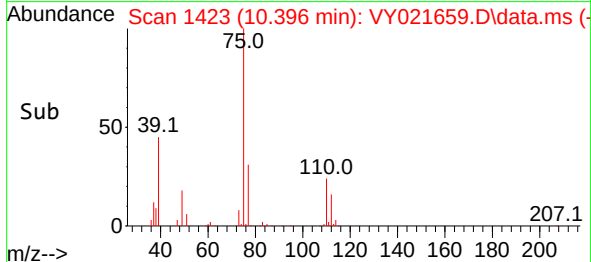
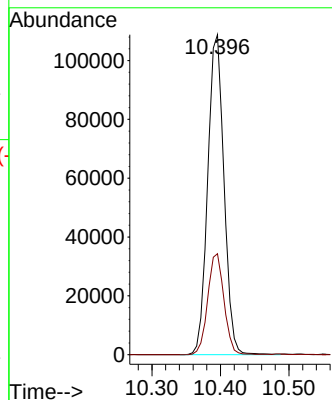
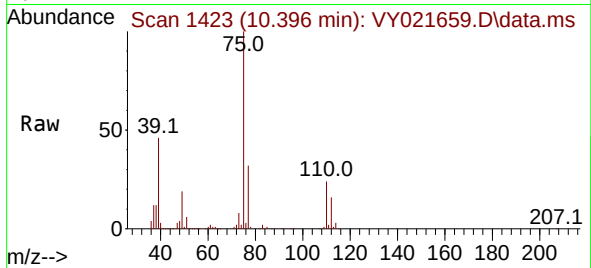




#53
t-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

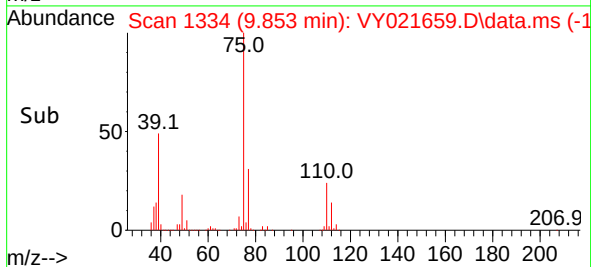
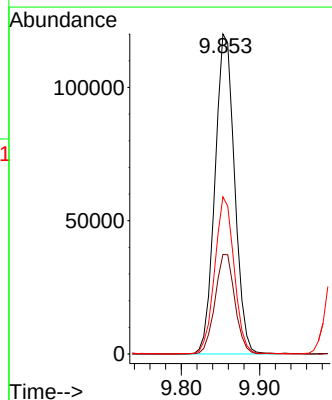
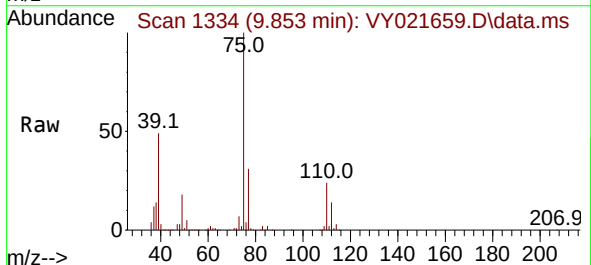
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

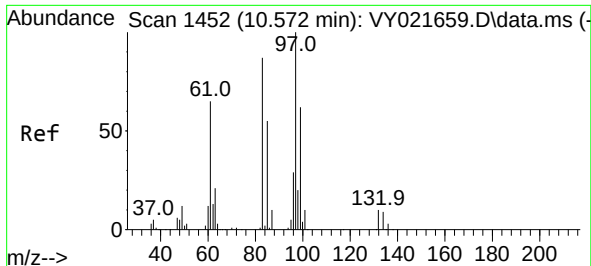
Tgt Ion: 75 Resp: 179747
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 51.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 209143
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 49.0 39.2 58.8

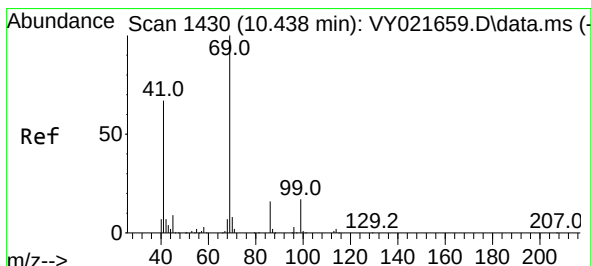
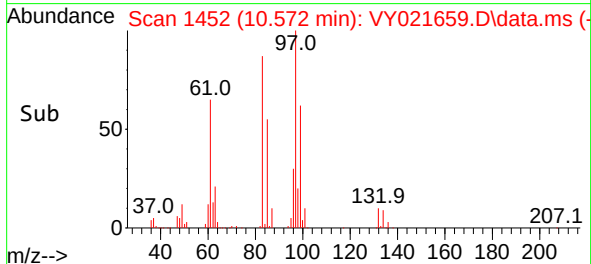
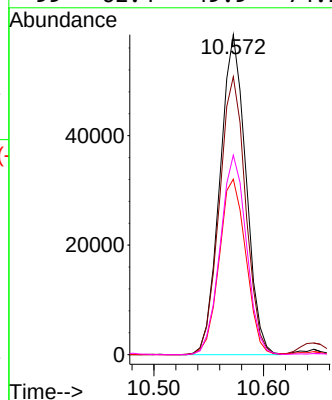
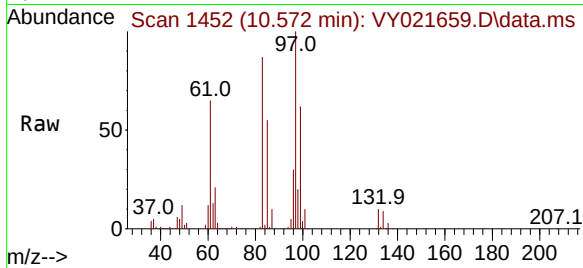




#55
1,1,2-Trichloroethane
Concen: 50.254 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

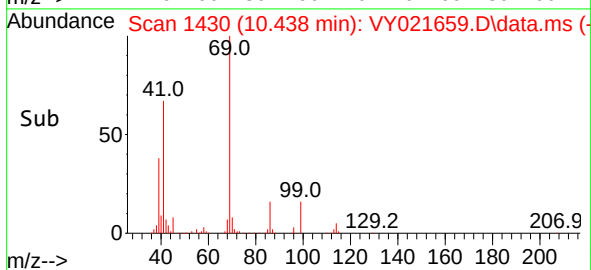
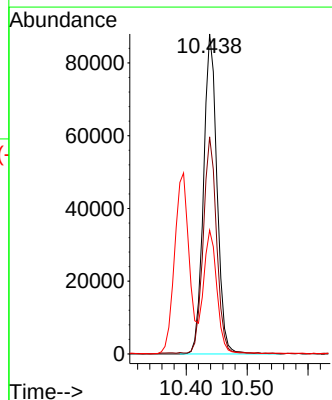
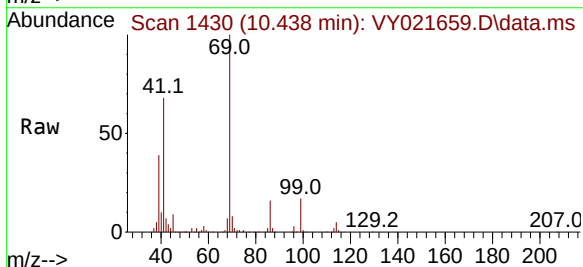
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

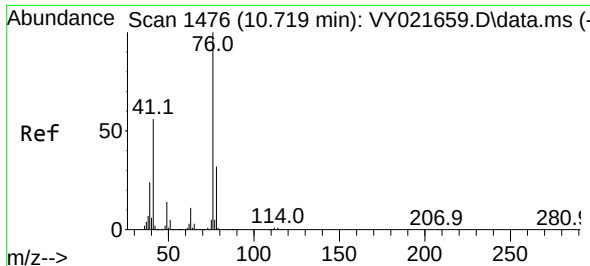
Tgt Ion:	97	Resp:	96578
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	54.9	43.9	65.9
99	62.4	49.9	74.9



#56
Ethyl methacrylate
Concen: 55.124 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:	69	Resp:	135272
Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.6
39	37.0	29.6	44.4





#57

1,3-Dichloropropane

Concen: 51.252 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

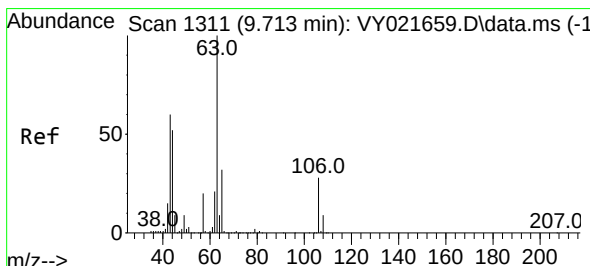
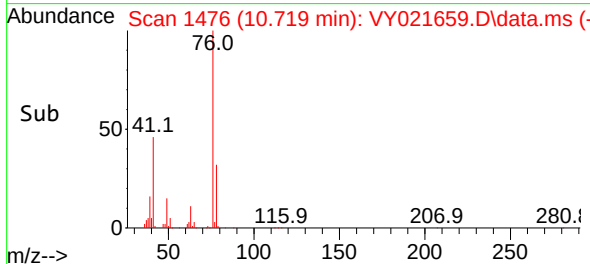
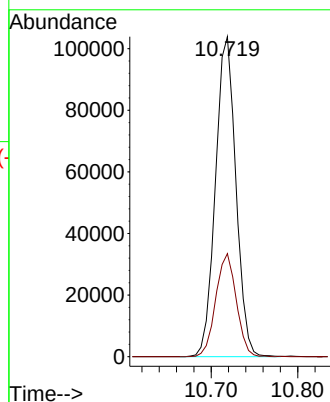
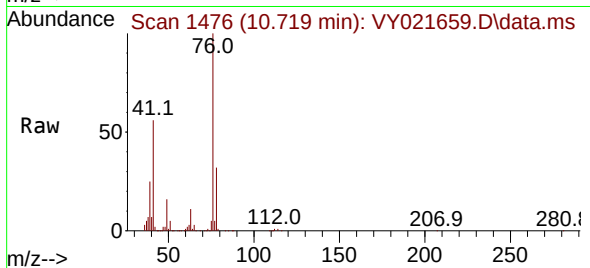
VSTDICCC050

Tgt Ion: 76 Resp: 170109

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 277.643 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021659.D

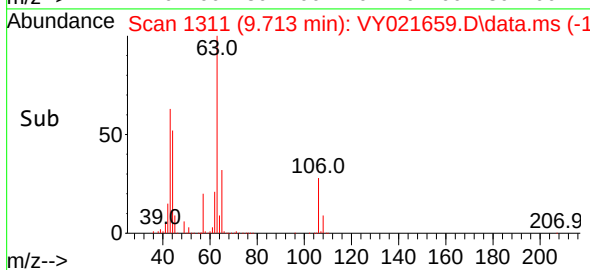
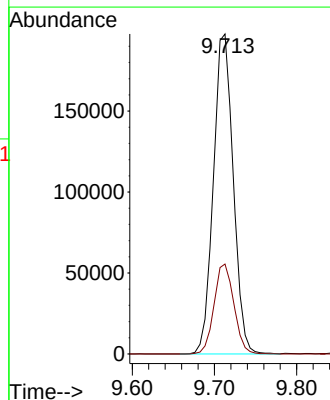
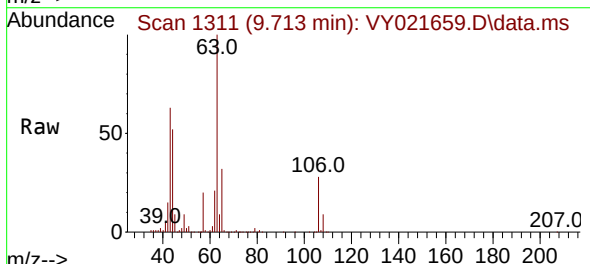
Acq: 27 Mar 2025 11:16

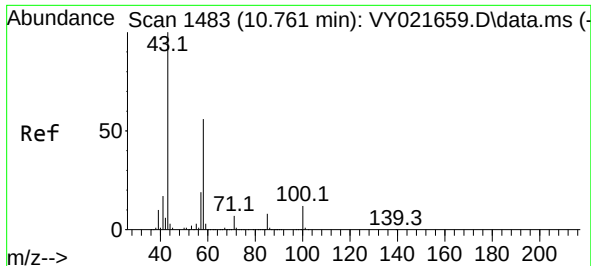
Tgt Ion: 63 Resp: 332369

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6

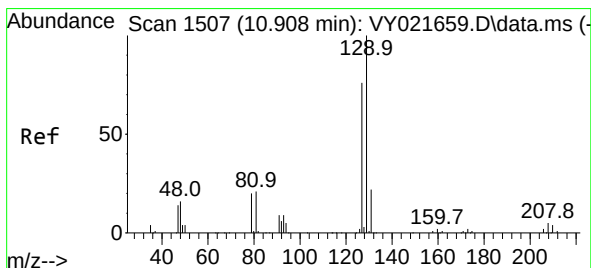
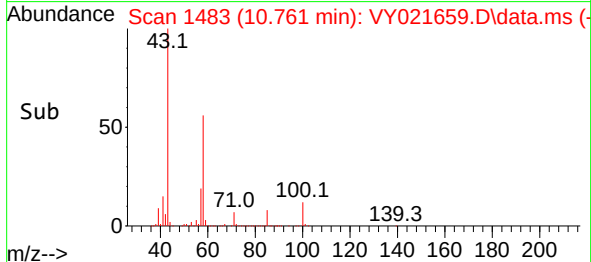
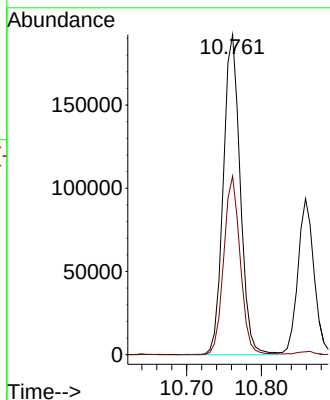
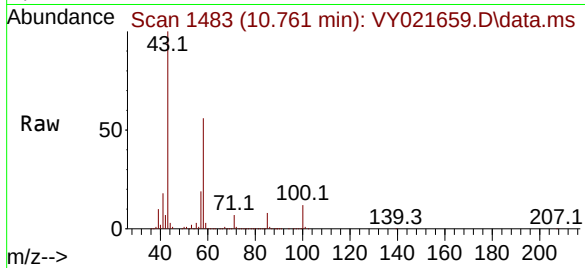




#59
2-Hexanone
Concen: 267.012 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

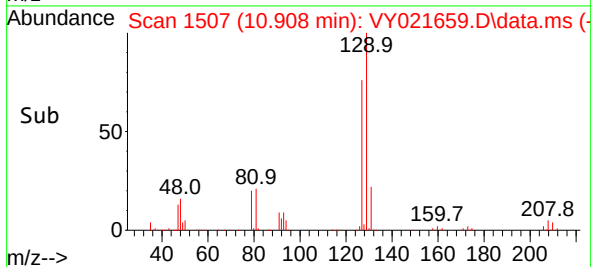
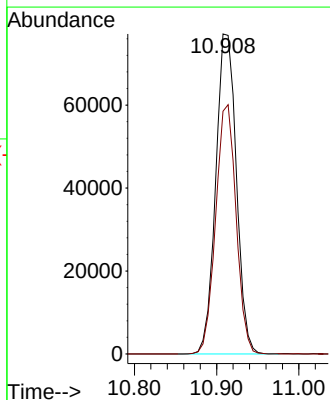
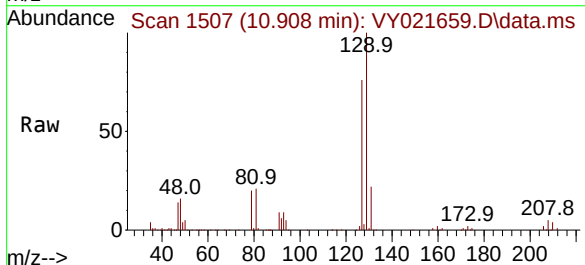
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

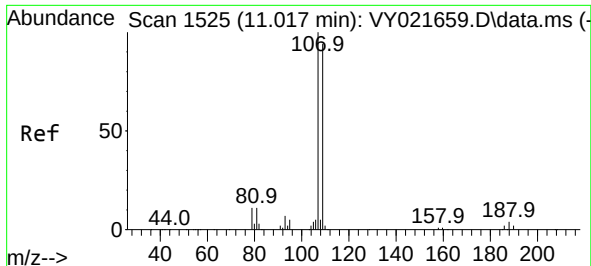
Tgt Ion: 43 Resp: 302538
Ion Ratio Lower Upper
43 100
58 54.3 27.2 81.5



#60
Dibromochloromethane
Concen: 51.334 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 129 Resp: 134696
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7

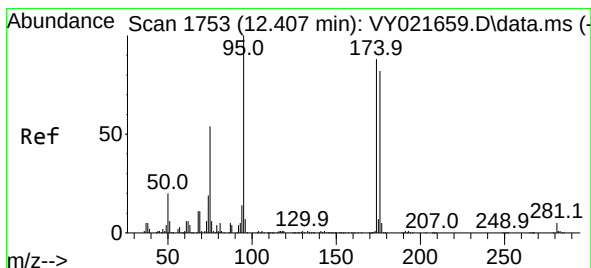
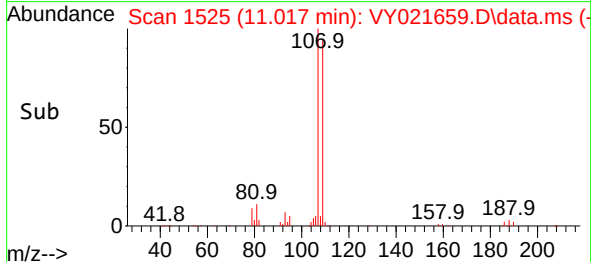
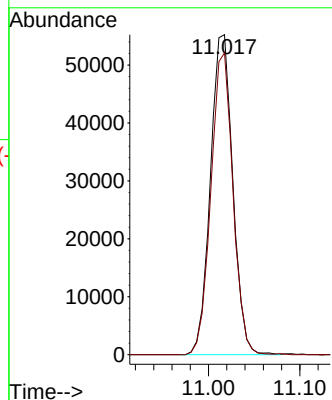
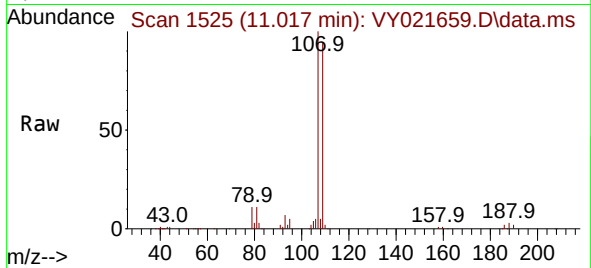




#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

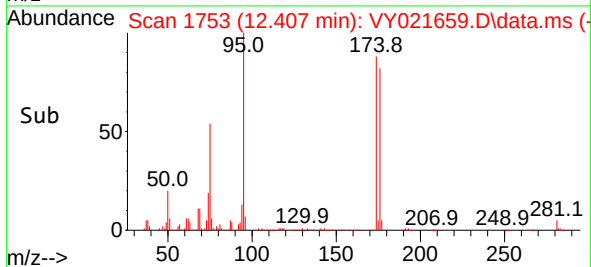
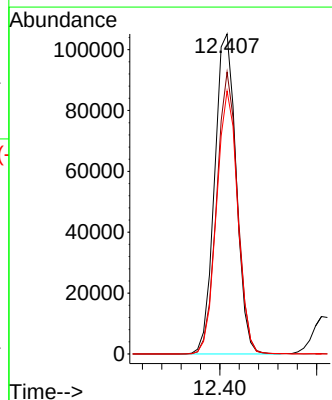
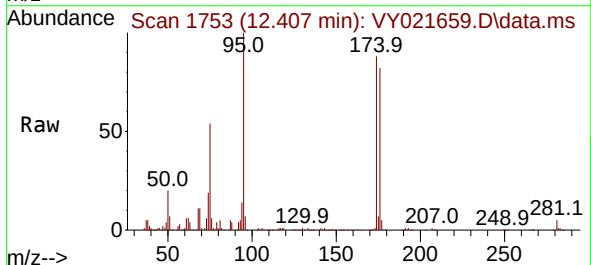
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

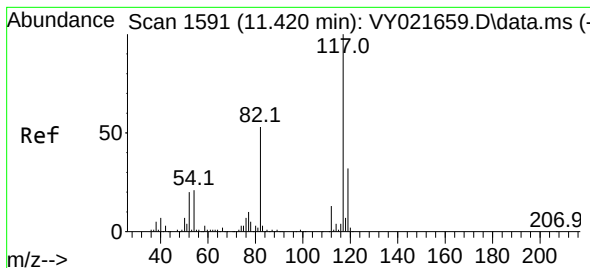
Tgt Ion:107 Resp: 93866
Ion Ratio Lower Upper
107 100
109 93.0 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 95 Resp: 162384
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 81.0 0.0 162.0

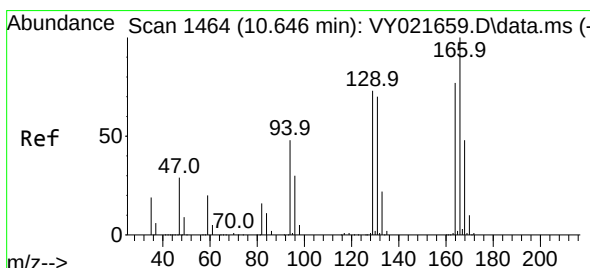
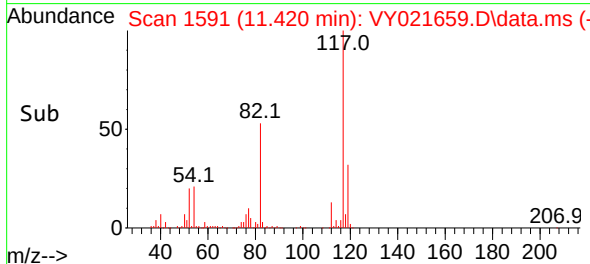
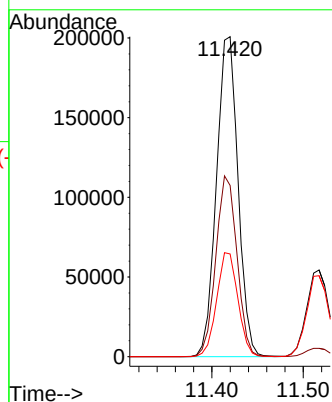
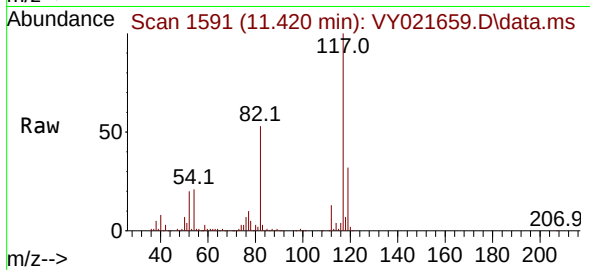




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

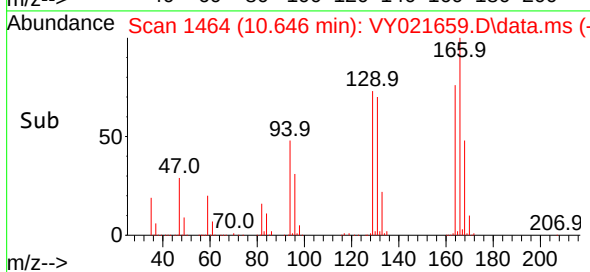
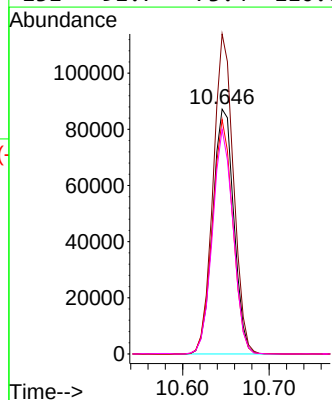
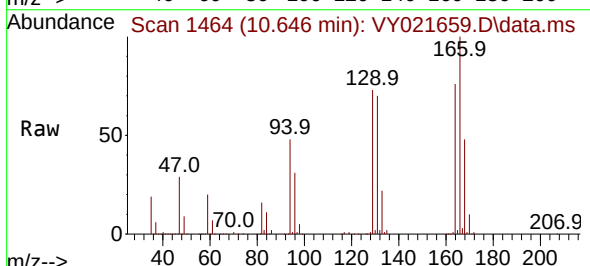
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

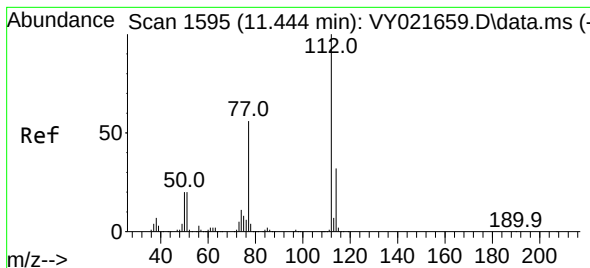
Tgt Ion:117 Resp: 329626
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 49.288 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:164 Resp: 147971
Ion Ratio Lower Upper
164 100
166 130.7 104.6 156.8
129 95.7 76.6 114.8
131 91.7 73.4 110.0

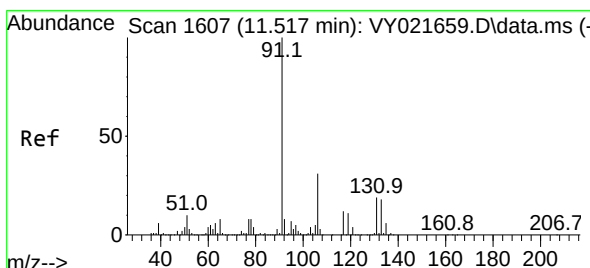
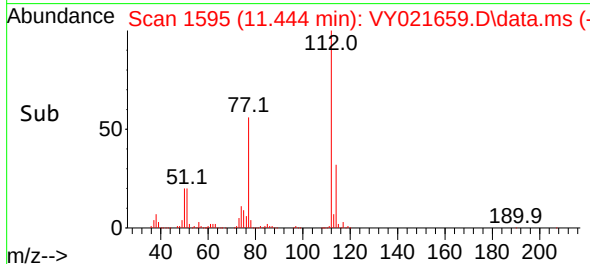
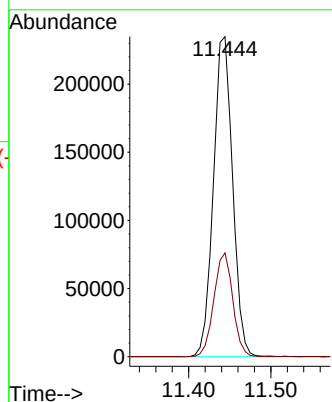
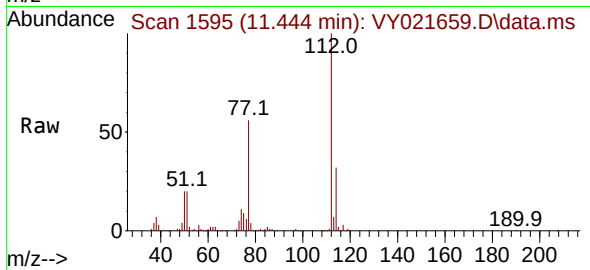




#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

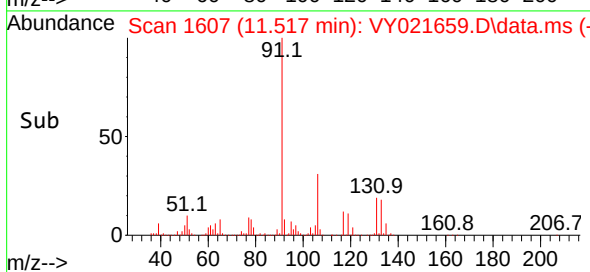
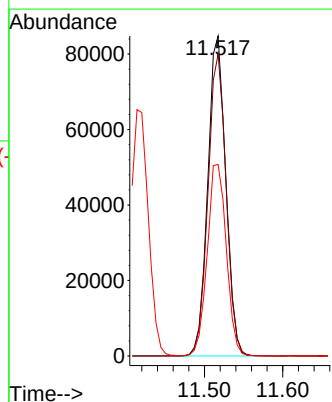
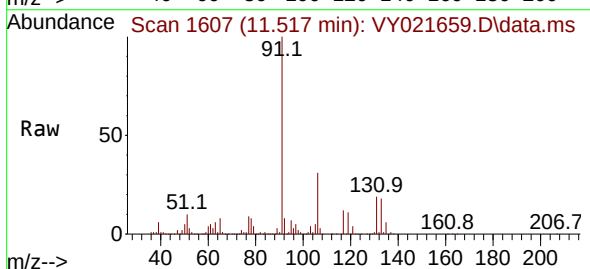
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

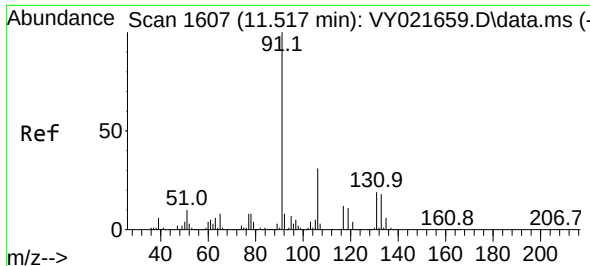
Tgt Ion:112 Resp: 380661
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.602 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:131 Resp: 135660
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 63.3 31.6 95.0

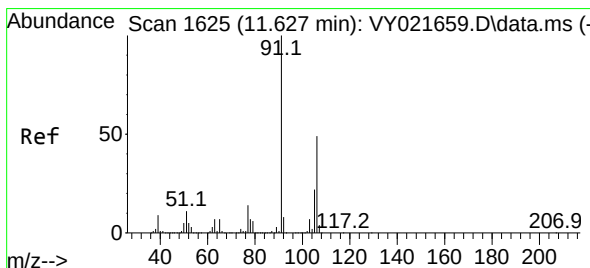
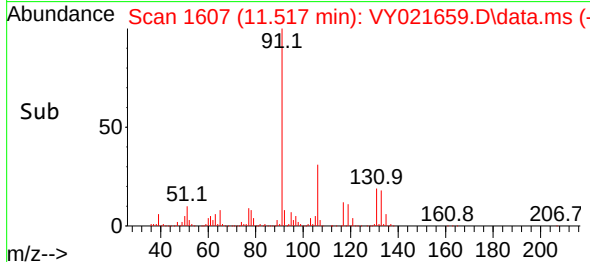
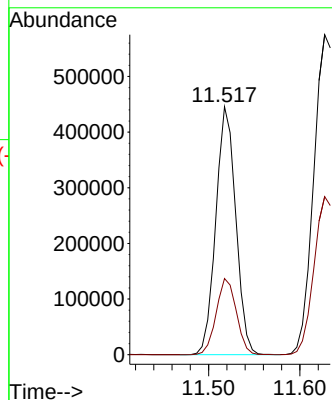
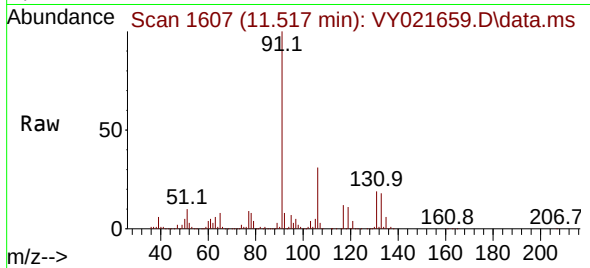




#67
Ethyl Benzene
Concen: 52.188 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

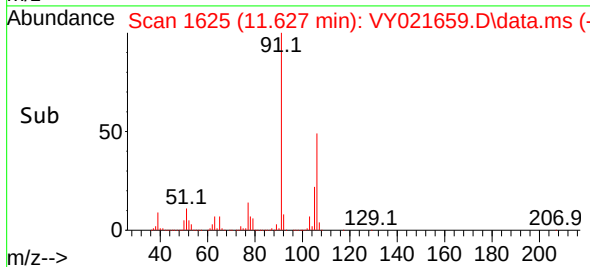
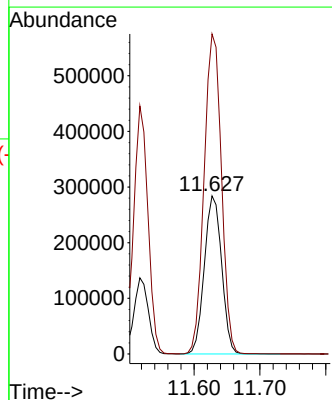
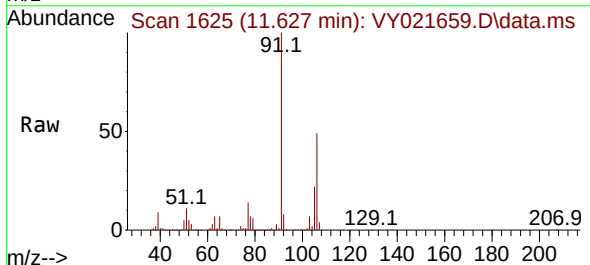
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

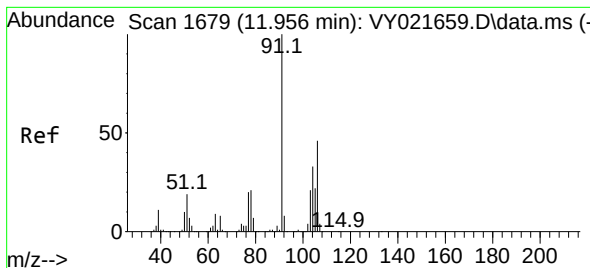
Tgt Ion: 91 Resp: 676205
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 104.634 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 106 Resp: 519154
Ion Ratio Lower Upper
106 100
91 203.0 162.4 243.6

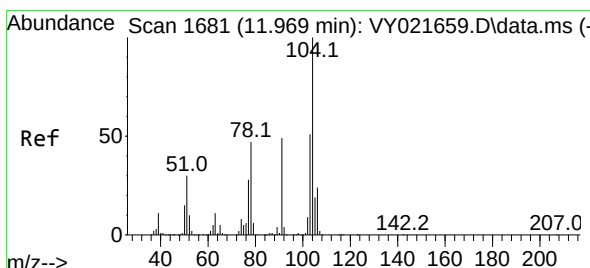
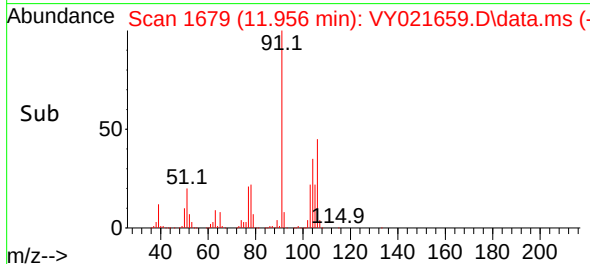
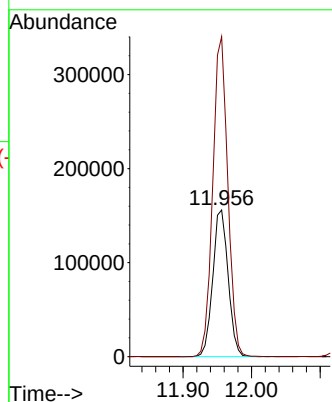
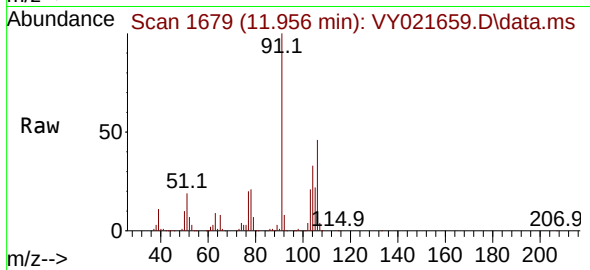




#69
o-Xylene
Concen: 53.135 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

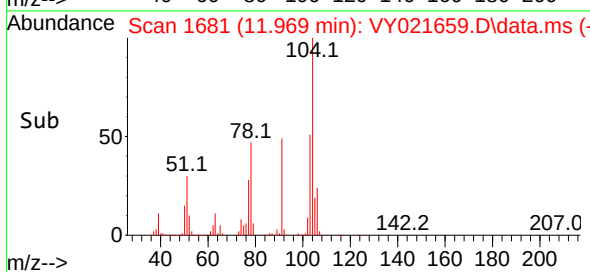
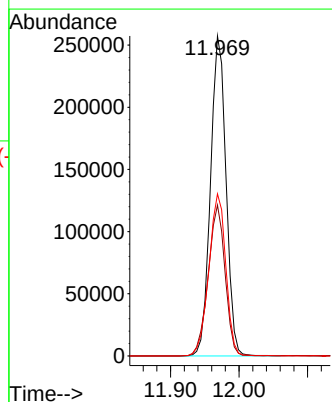
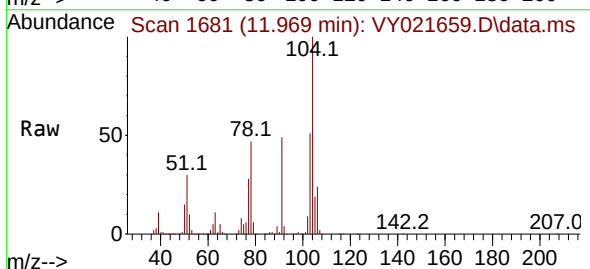
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

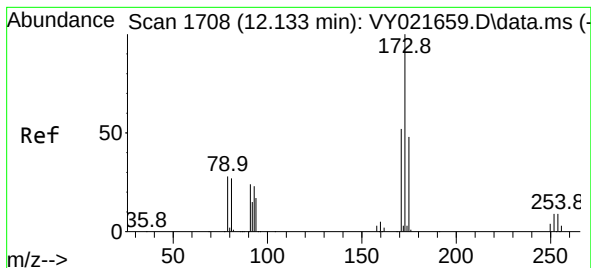
Tgt Ion:106 Resp: 243359
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9



#70
Styrene
Concen: 53.195 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:104 Resp: 406215
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.2 44.2 66.2





#71

Bromoform

Concen: 51.140 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

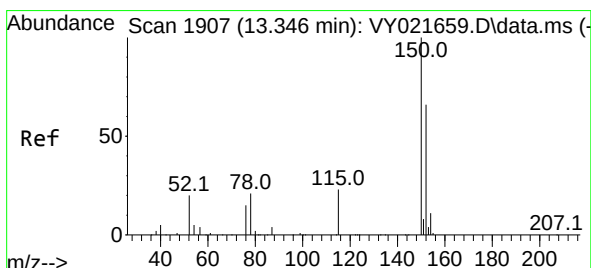
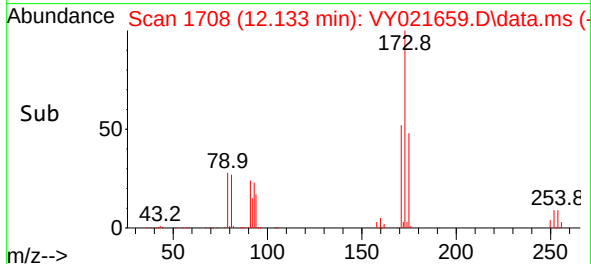
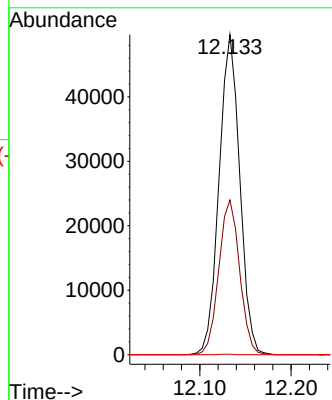
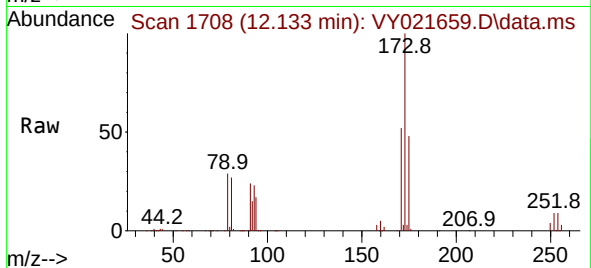
Tgt Ion:173 Resp: 78206

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

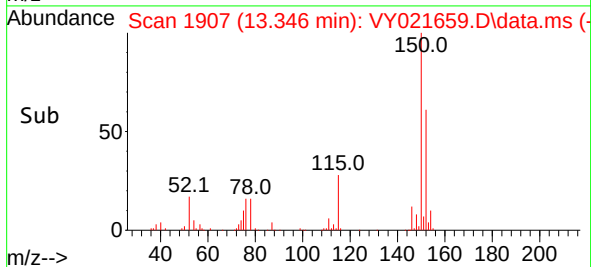
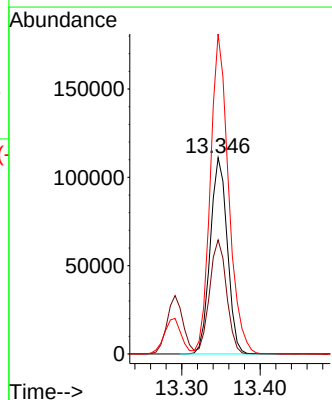
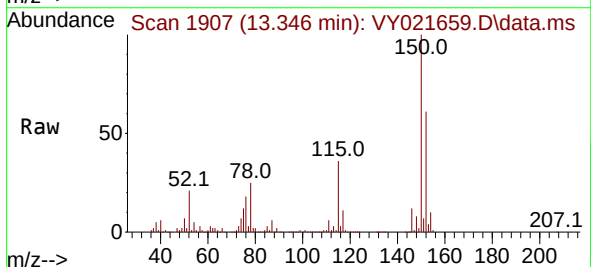
Tgt Ion:152 Resp: 167924

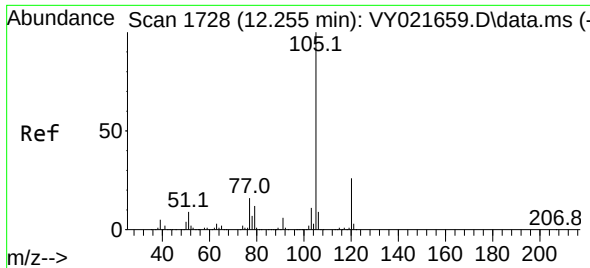
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 174.2 0.0 348.4

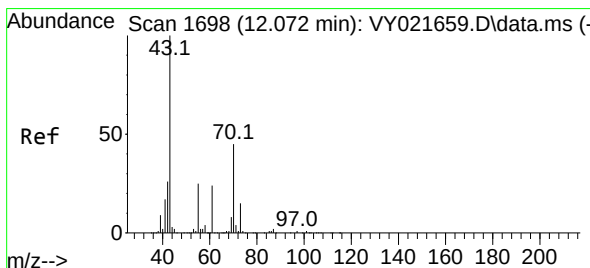
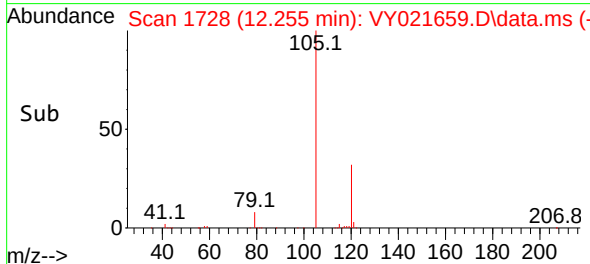
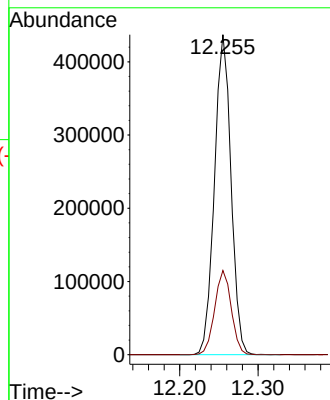
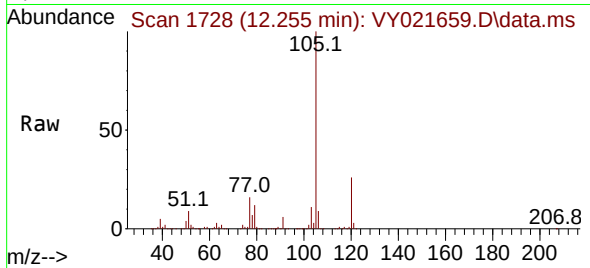




#73
Isopropylbenzene
Concen: 51.505 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

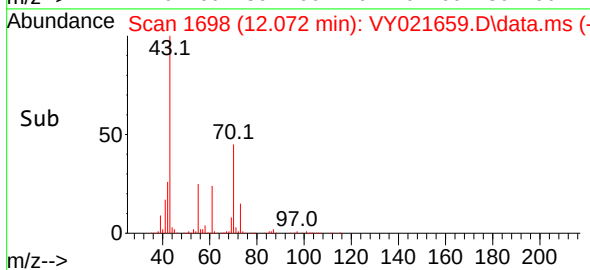
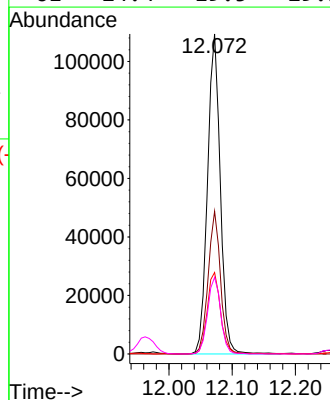
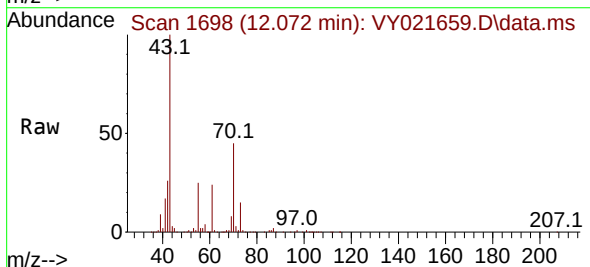
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

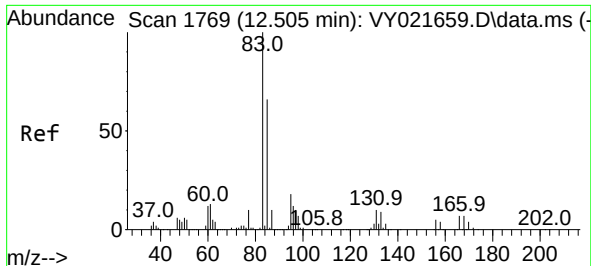
Tgt Ion:105 Resp: 642393
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5



#74
N-ethyl acetate
Concen: 52.630 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 154054
Ion Ratio Lower Upper
43 100
70 43.4 34.7 52.1
55 26.5 21.2 31.8
61 24.4 19.5 29.3

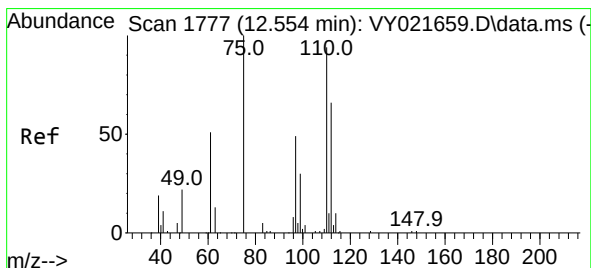
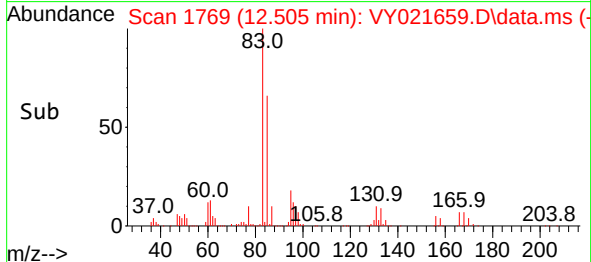
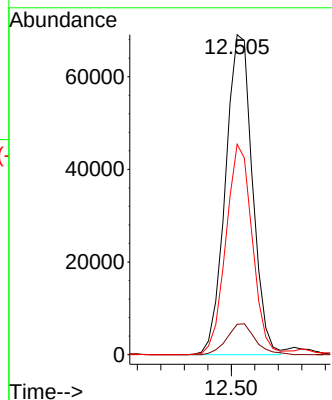
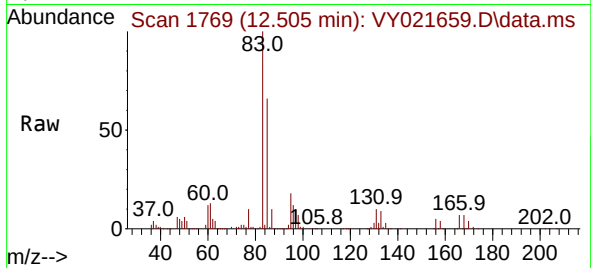




#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

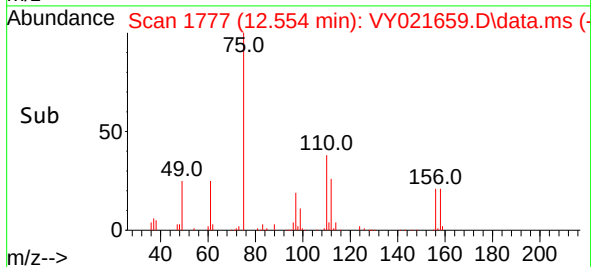
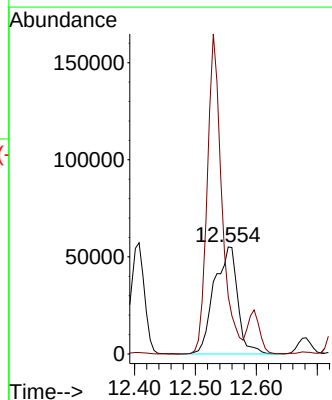
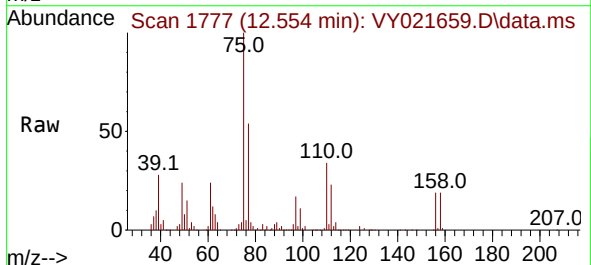
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

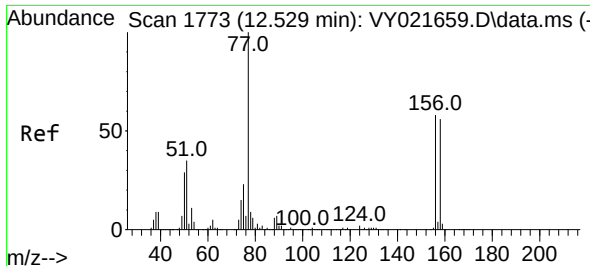
Tgt Ion: 83 Resp: 110292
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 64.5 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 88.688 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 147626
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

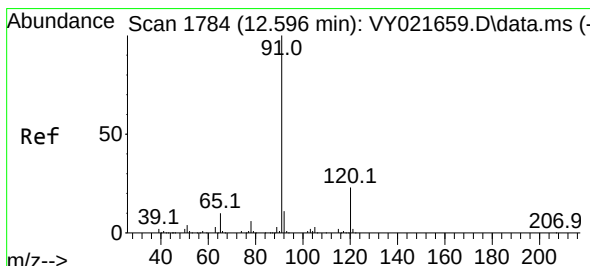
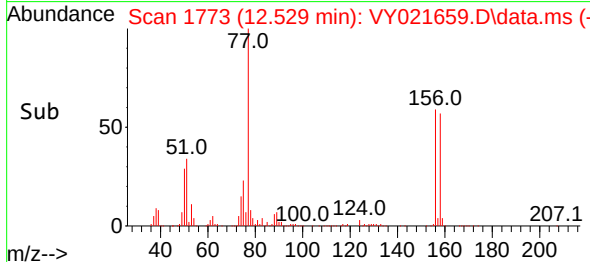
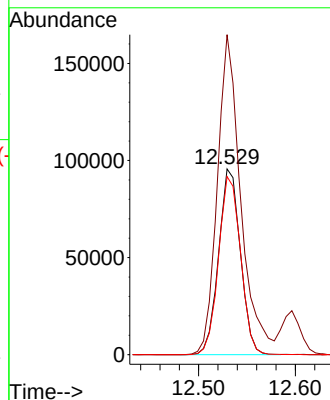
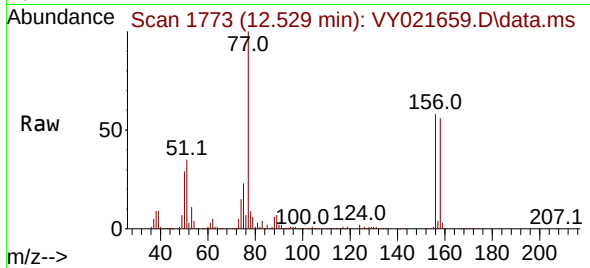




#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

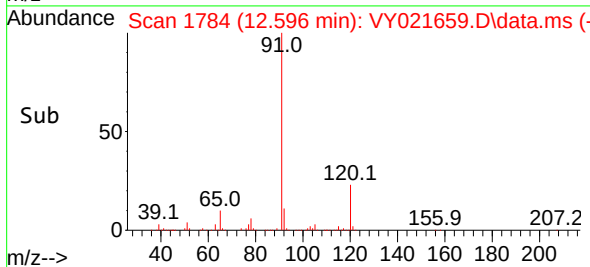
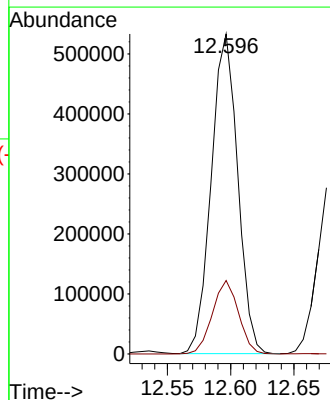
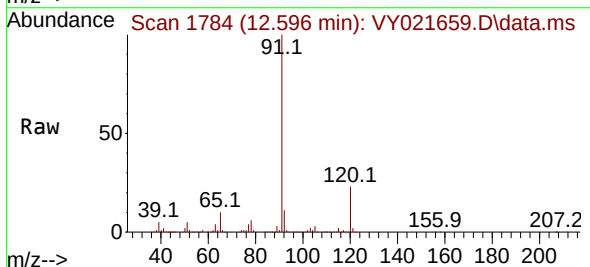
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

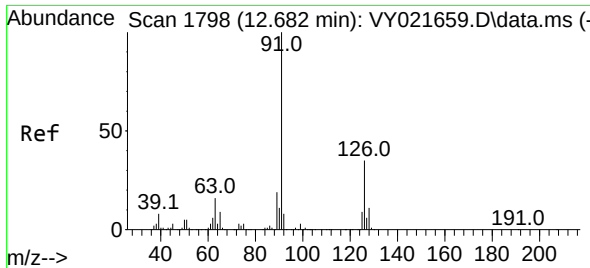
Tgt Ion:156 Resp: 149323
Ion Ratio Lower Upper
156 100
77 185.5 92.8 278.3
158 97.1 48.5 145.6



#78
n-propylbenzene
Concen: 51.702 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 775252
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9

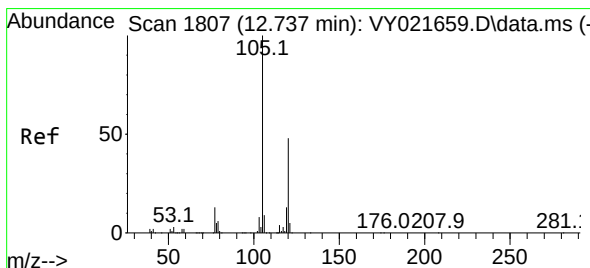
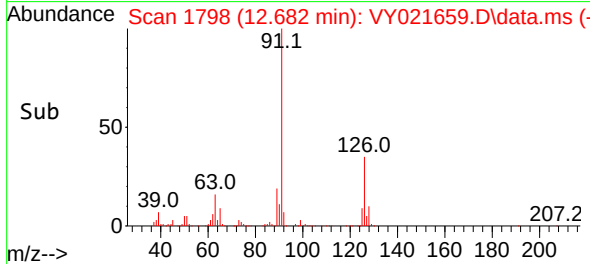
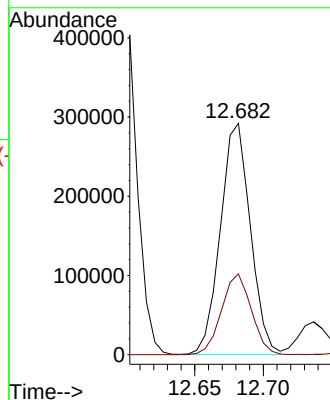
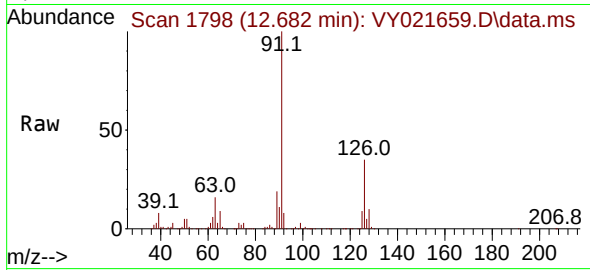




#79
2-Chlorotoluene
Concen: 51.001 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

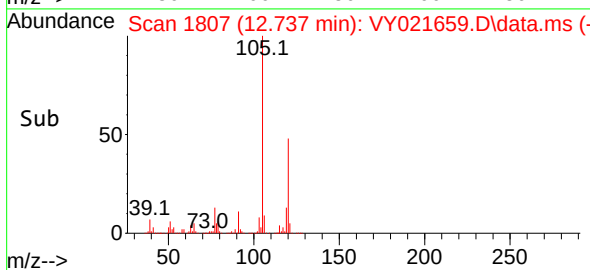
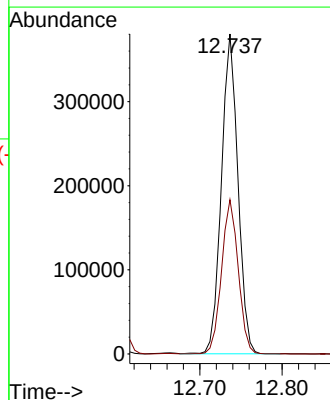
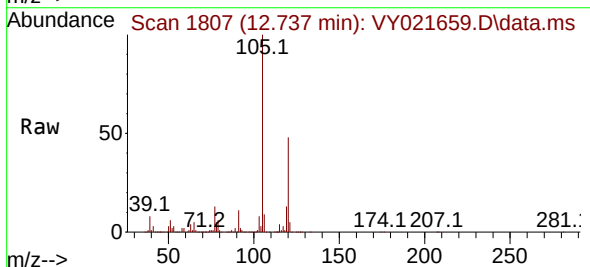
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

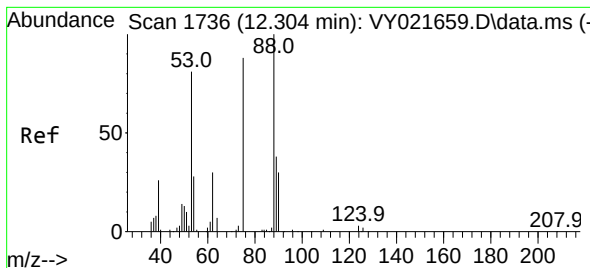
Tgt Ion: 91 Resp: 444178
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 51.839 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 105 Resp: 528425
Ion Ratio Lower Upper
105 100
120 49.0 24.5 73.5

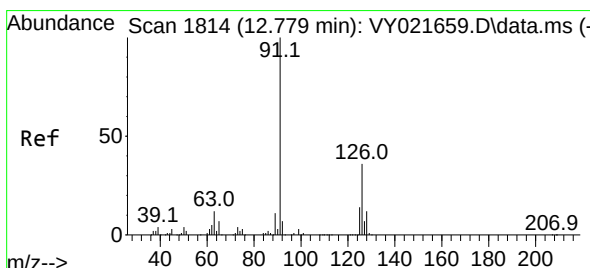
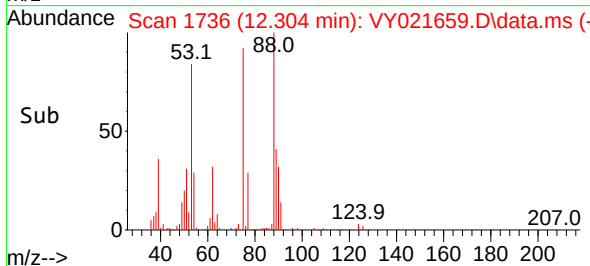
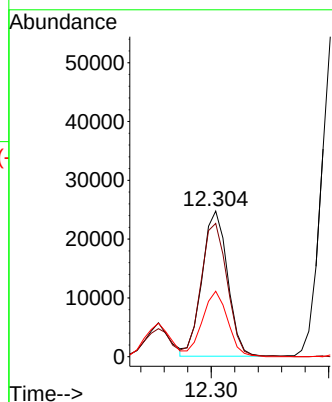
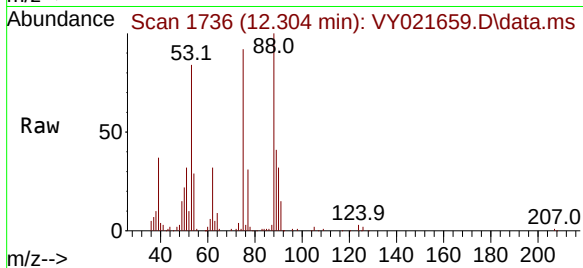




#81
trans-1,4-Dichloro-2-butene
Concen: 51.550 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

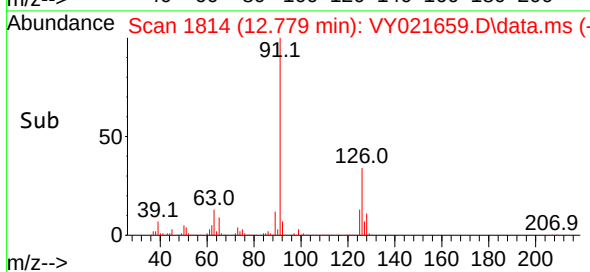
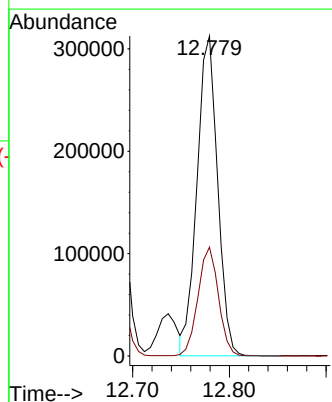
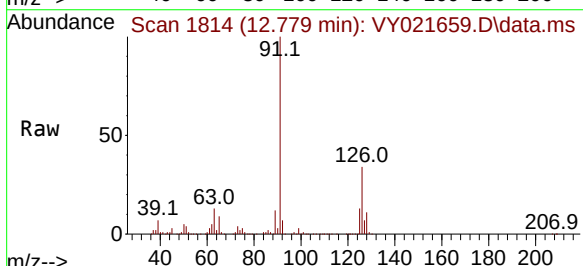
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

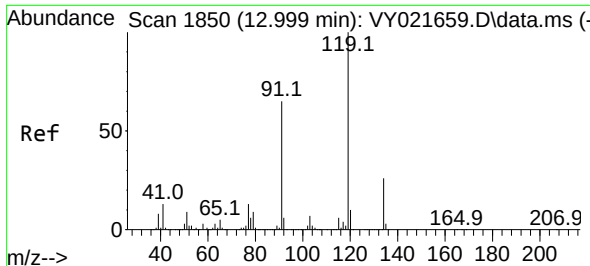
Tgt Ion: 75 Resp: 37240
Ion Ratio Lower Upper
75 100
53 95.1 76.1 114.1
89 45.3 36.2 54.4



#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 463024
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9

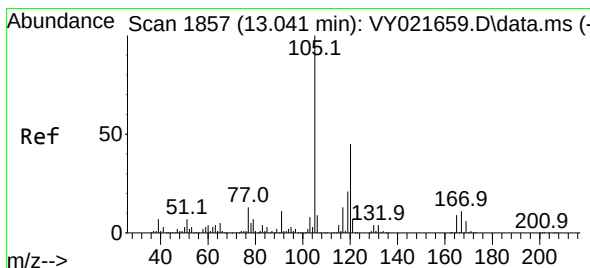
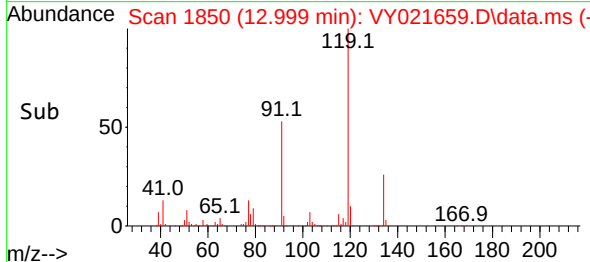
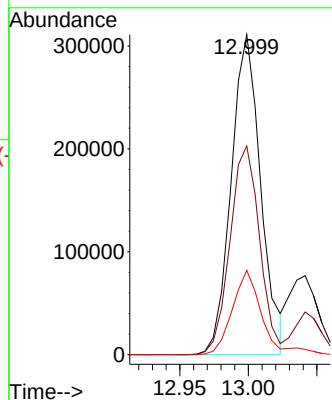
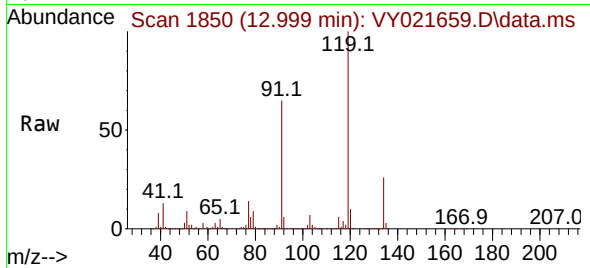




#83
 tert-Butylbenzene
 Concen: 51.541 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

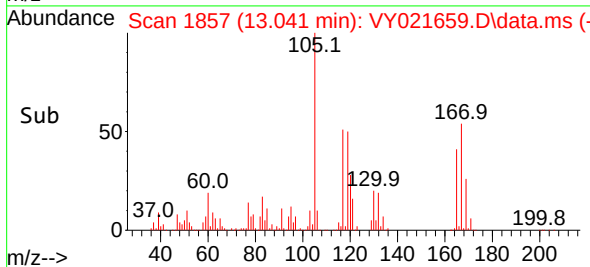
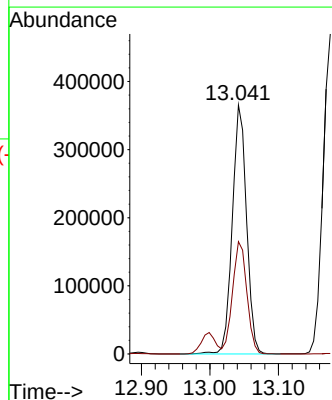
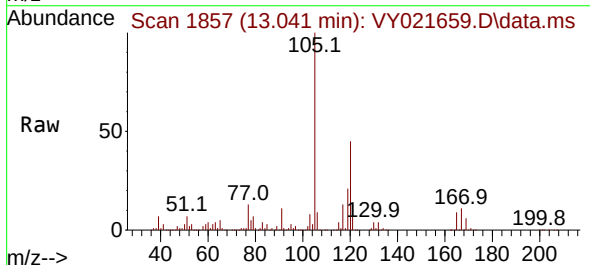
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

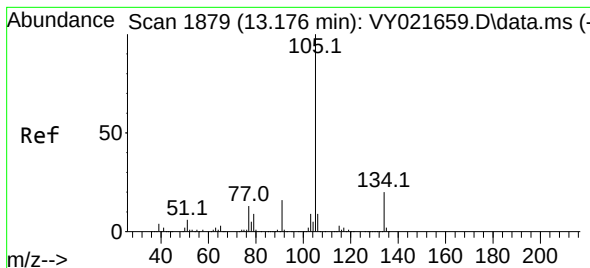
Tgt Ion:	119	Resp:	467961
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.4	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.248 ug/l
 RT: 13.041 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

Tgt Ion:	105	Resp:	526387
Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1

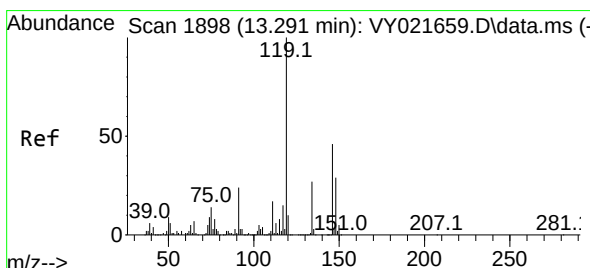
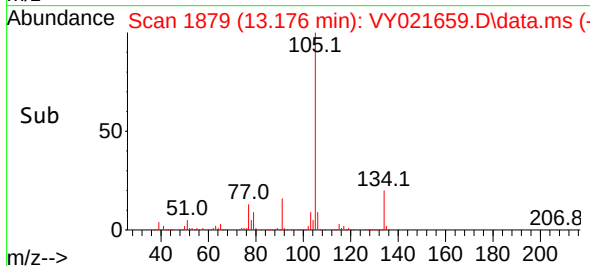
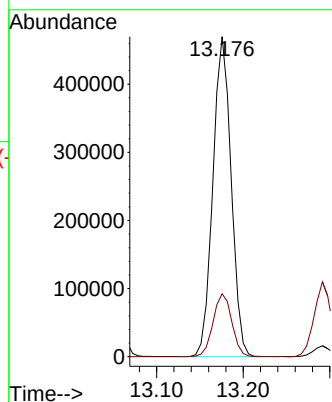
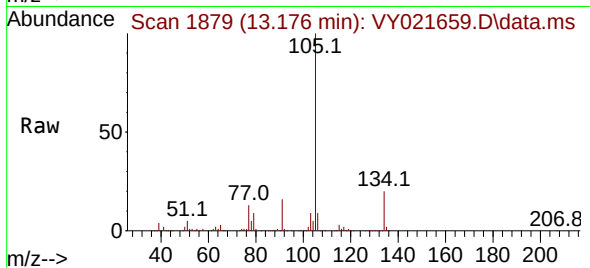




#85
 sec-Butylbenzene
 Concen: 51.820 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

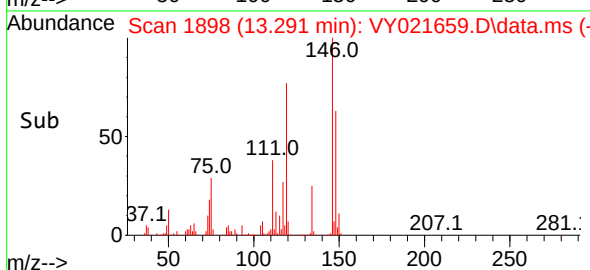
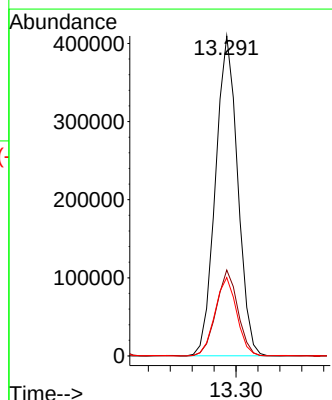
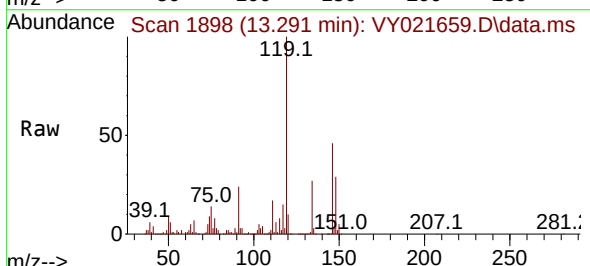
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

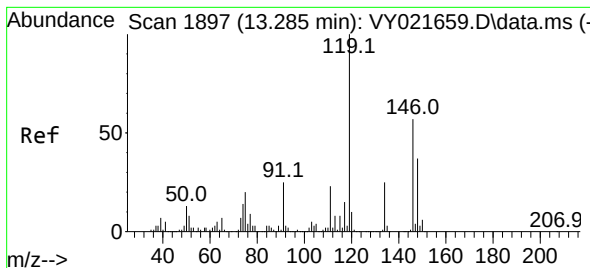
Tgt Ion:105 Resp: 687573
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 52.525 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021659.D
 Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 576012
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 49.752 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

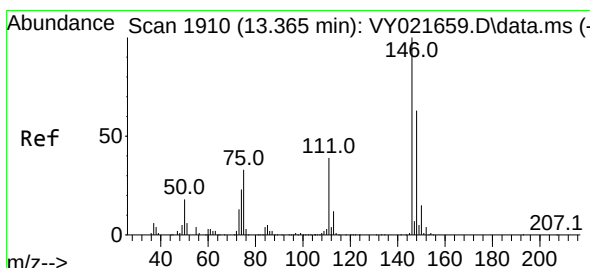
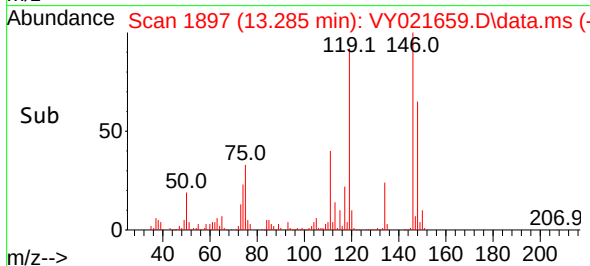
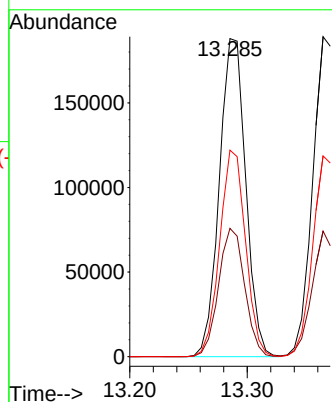
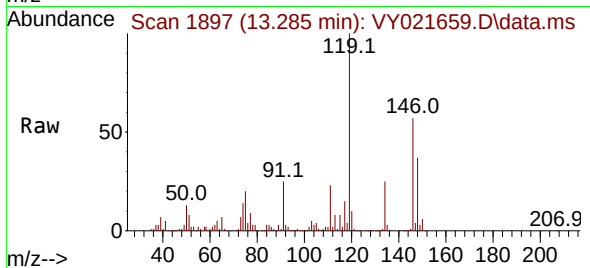
Tgt Ion:146 Resp: 293534

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

148 63.6 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 50.147 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

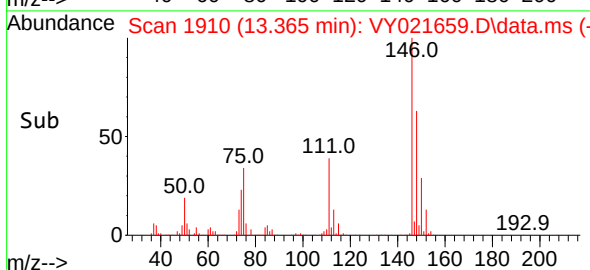
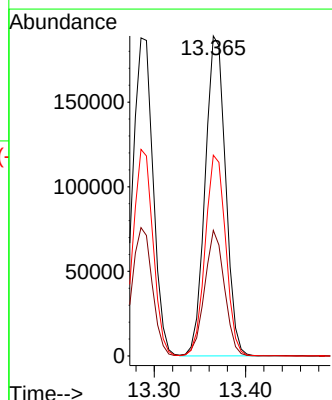
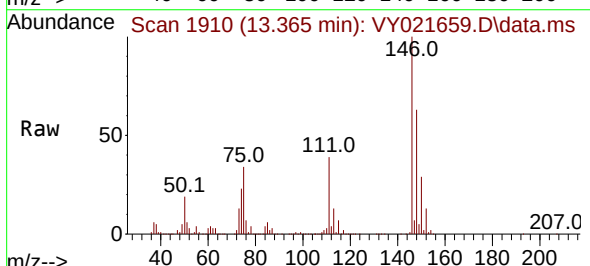
Tgt Ion:146 Resp: 292315

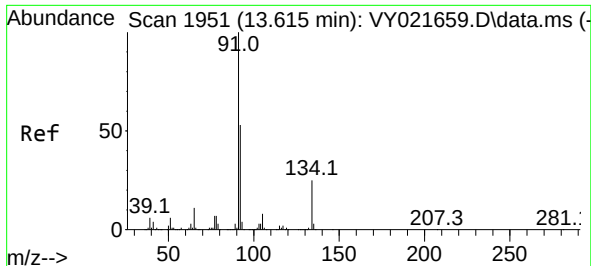
Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

148 63.0 31.5 94.5





#89

n-Butylbenzene

Concen: 52.544 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

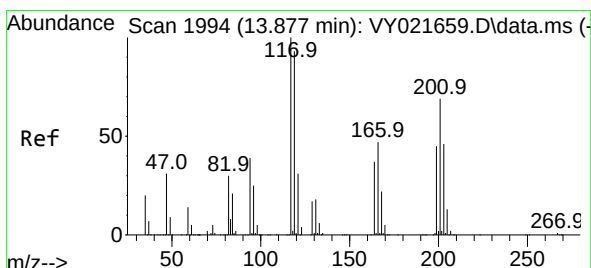
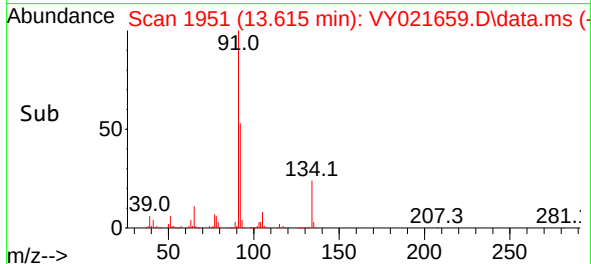
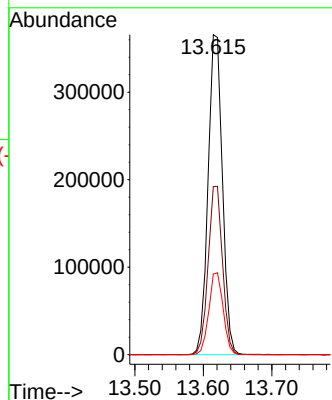
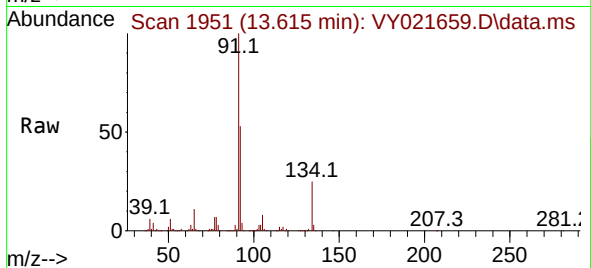
Tgt Ion: 91 Resp: 532897

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.2

134 25.6 12.8 38.4



#90

Hexachloroethane

Concen: 49.396 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021659.D

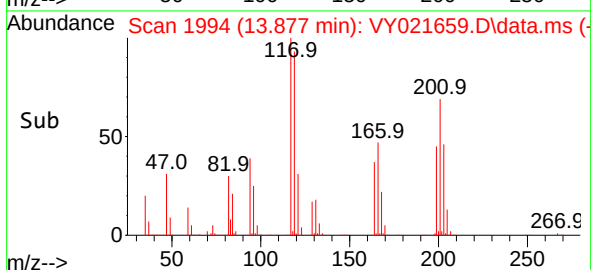
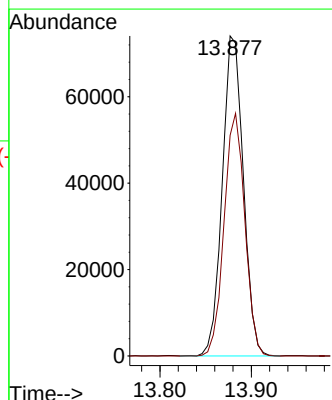
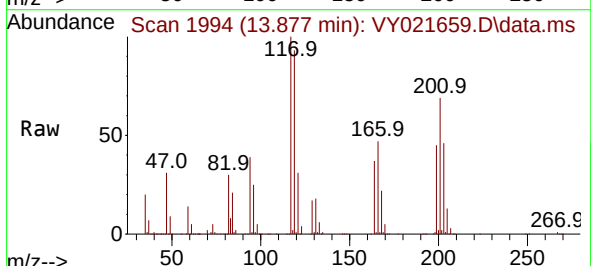
Acq: 27 Mar 2025 11:16

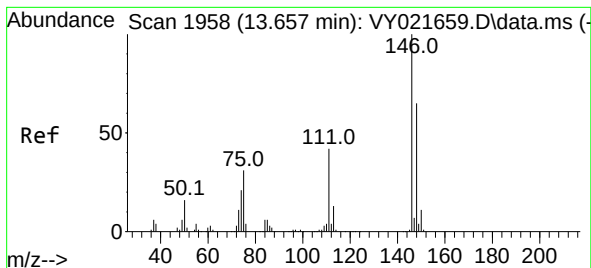
Tgt Ion: 117 Resp: 118708

Ion Ratio Lower Upper

117 100

201 74.7 37.4 112.1

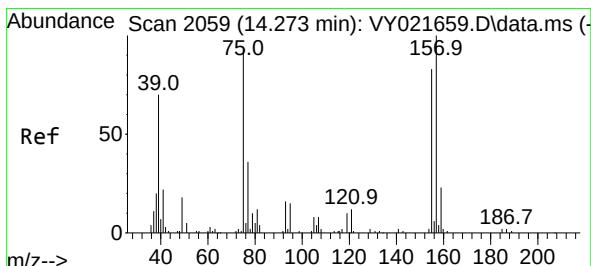
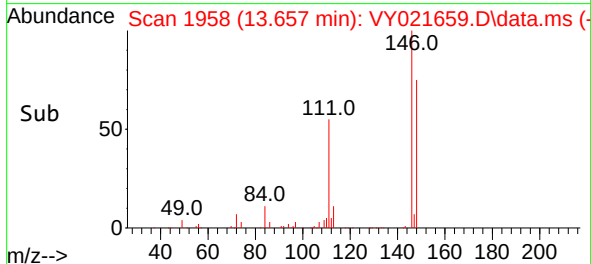
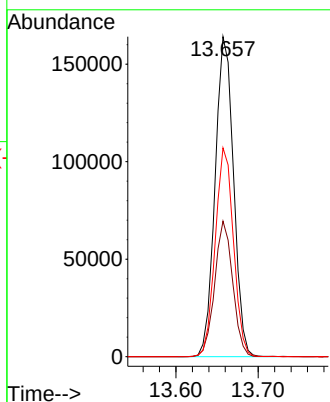
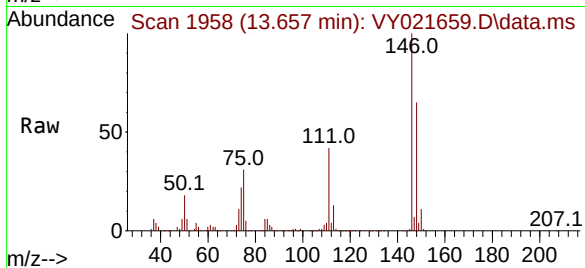




#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

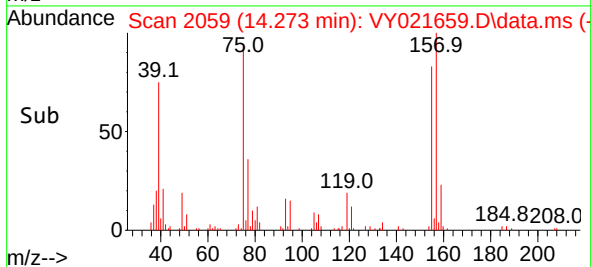
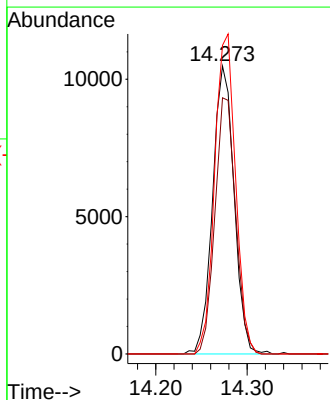
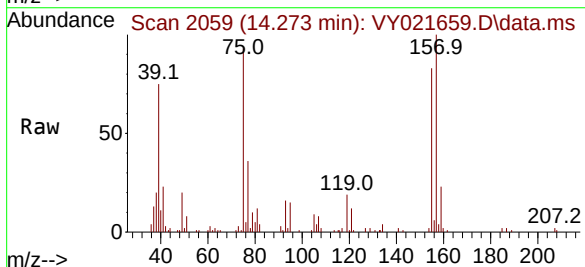
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

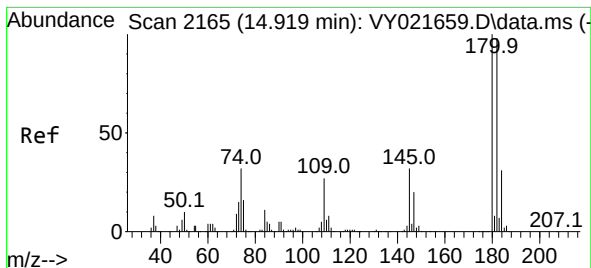
Tgt Ion:146 Resp: 255877
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 64.6 32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17123
Ion Ratio Lower Upper
75 100
155 85.9 43.0 128.8
157 108.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 52.935 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

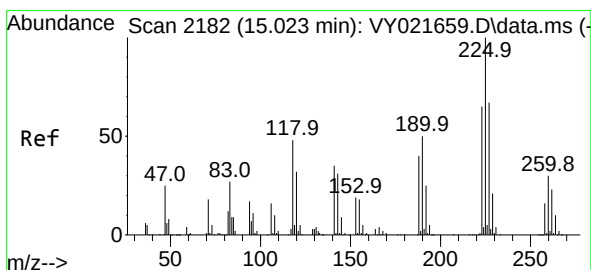
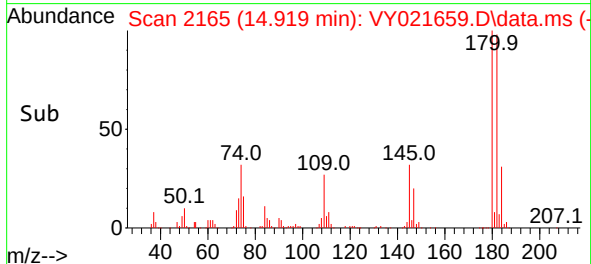
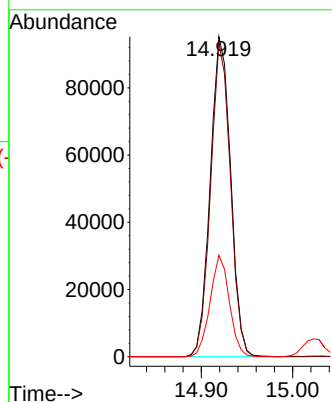
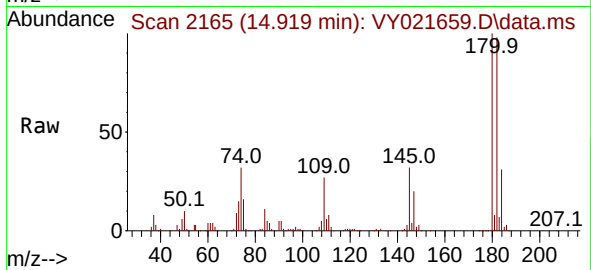
Tgt Ion:180 Resp: 147434

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 29.9 14.9 44.9



#94

Hexachlorobutadiene

Concen: 50.642 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

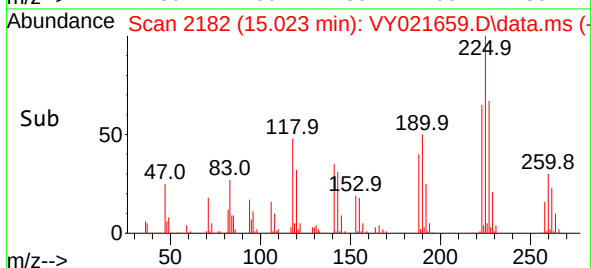
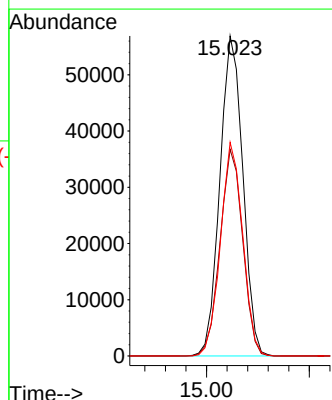
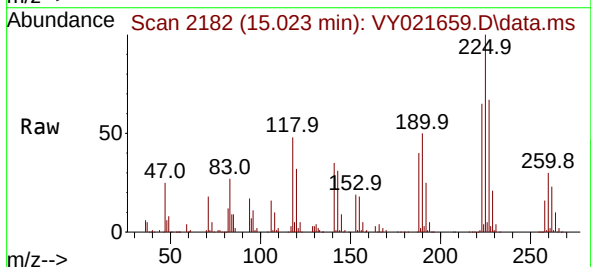
Tgt Ion:225 Resp: 88090

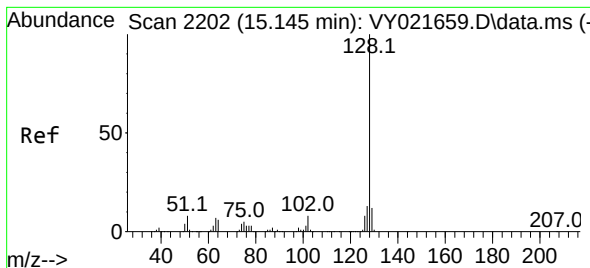
Ion Ratio Lower Upper

225 100

223 63.8 31.9 95.7

227 64.7 32.4 97.0





#95

Naphthalene

Concen: 54.848 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

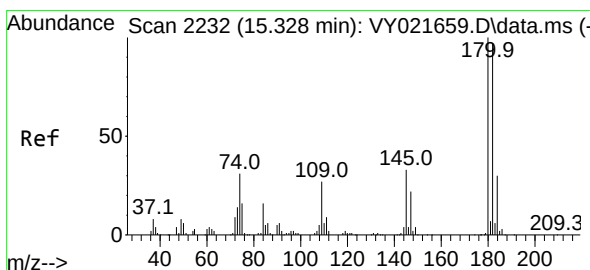
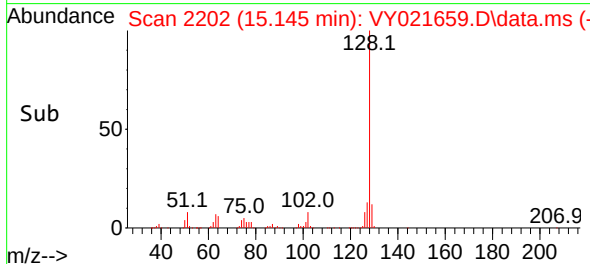
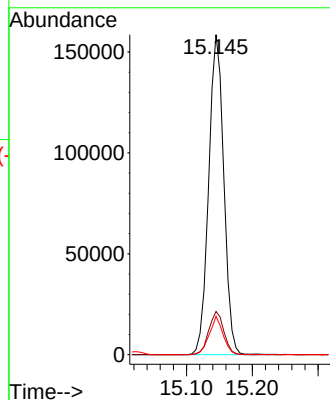
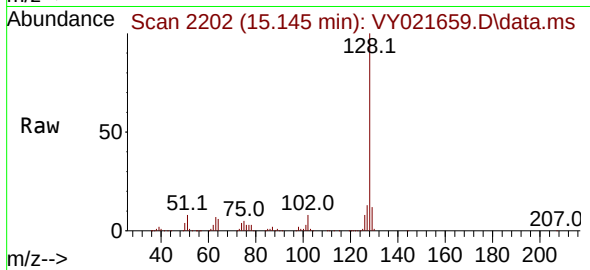
Tgt Ion:128 Resp: 253209

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 52.754 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021659.D

Acq: 27 Mar 2025 11:16

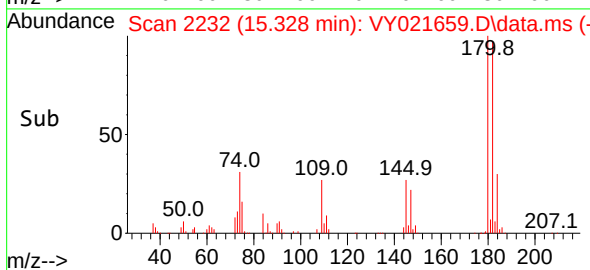
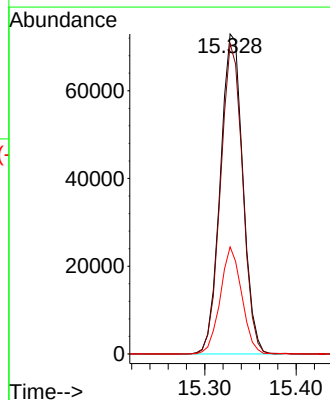
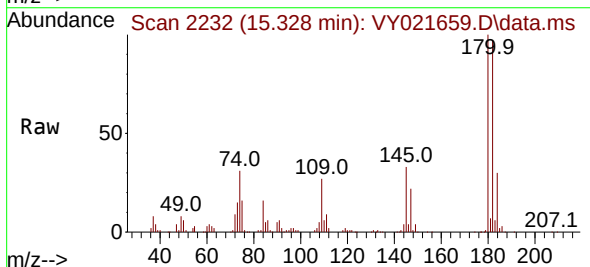
Tgt Ion:180 Resp: 125294

Ion Ratio Lower Upper

180 100

182 95.0 47.5 142.5

145 31.8 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021660.D
 Acq On : 27 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 28 02:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.260%#	
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 200.360%#	
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 202.960%#	
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 202.960%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021660.D
 Acq On : 27 Mar 2025 11:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 28 02:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l	100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l	99
44) Trichloroethene	8.866	130	278937	97.190	ug/l	99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l	99
46) Dibromomethane	9.231	93	145186	94.482	ug/l	97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l	99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l	98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l	100
52) Toluene	10.170	92	706197	100.486	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l	97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l	98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l	100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l	99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l	100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l	98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l	98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l	100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l	100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l	99
69) o-Xylene	11.957	106	491895	104.369	ug/l	98
70) Styrene	11.969	104	833734	106.098	ug/l	99
71) Bromoform	12.133	173	152683	97.024	ug/l	100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l	100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	285947	170.792	ug/l #	100
77) Bromobenzene	12.530	156	299163	99.323	ug/l	98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l	100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l	99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l	99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l	100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l	100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l	99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l	100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l	99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l	99
95) Naphthalene	15.145	128	508449	109.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

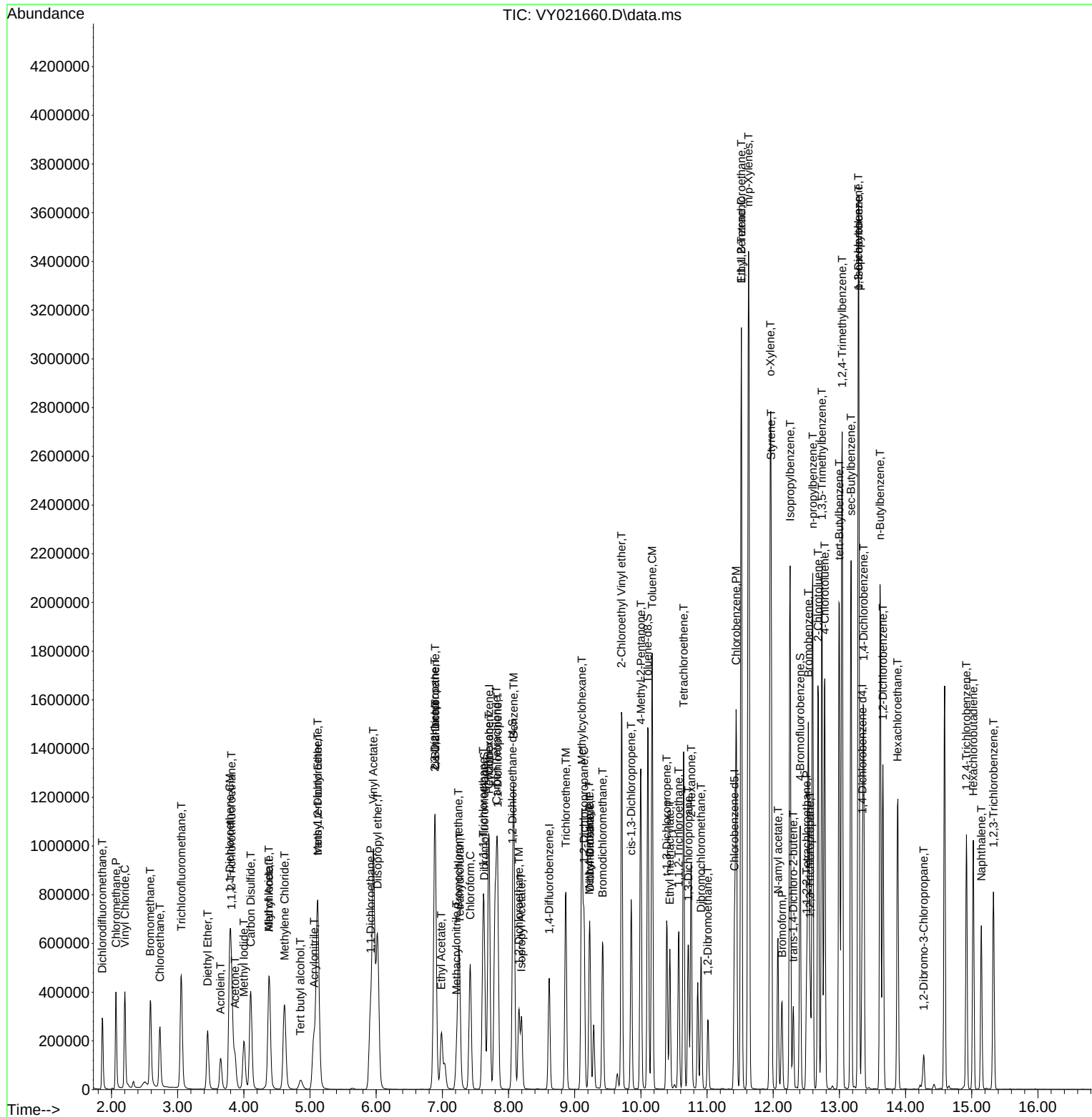
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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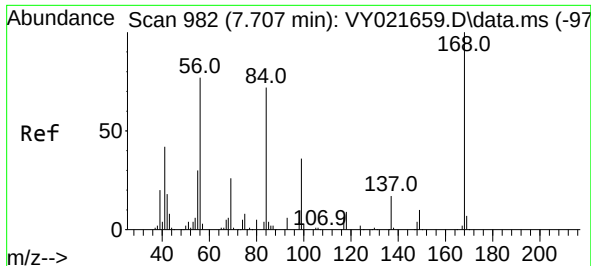
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

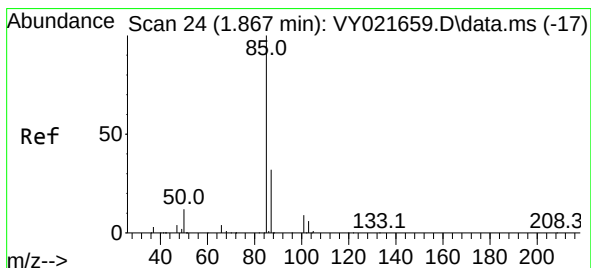
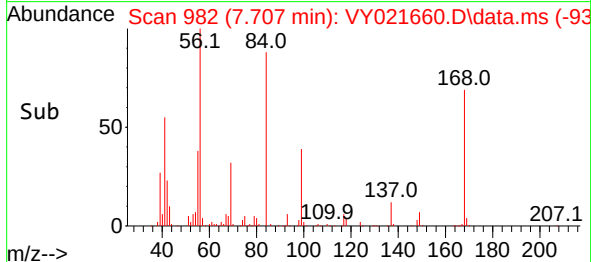
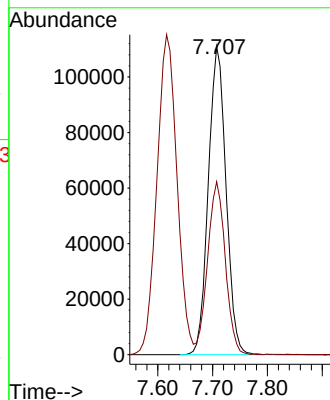
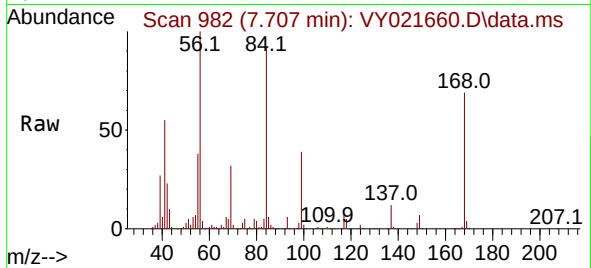




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

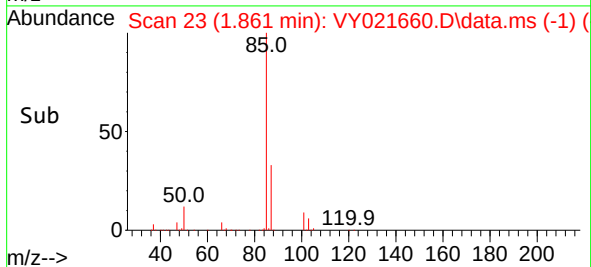
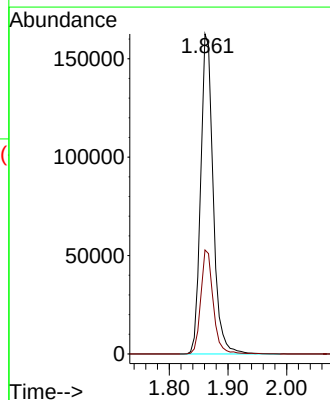
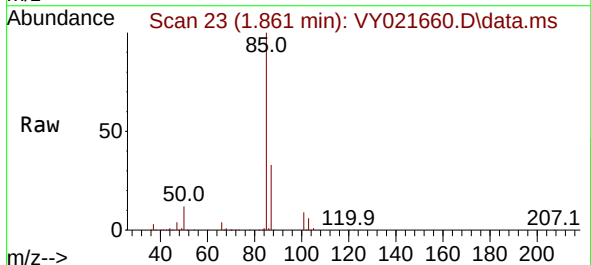
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

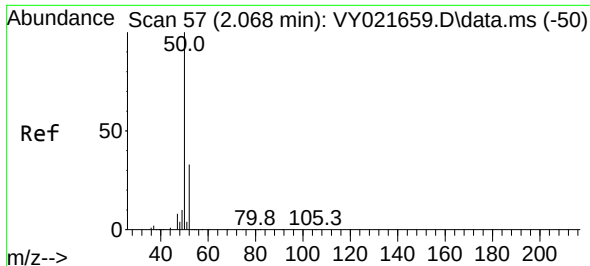
Tgt Ion:168 Resp: 248041
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 93.569 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 85 Resp: 240555
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.6

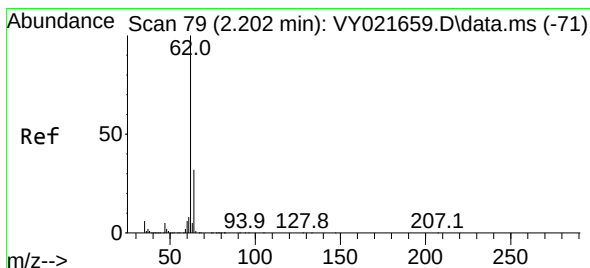
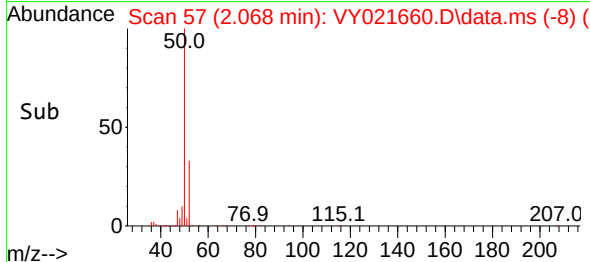
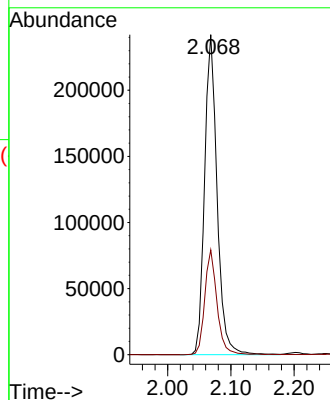
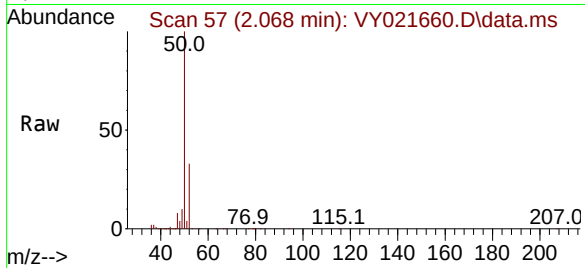




#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

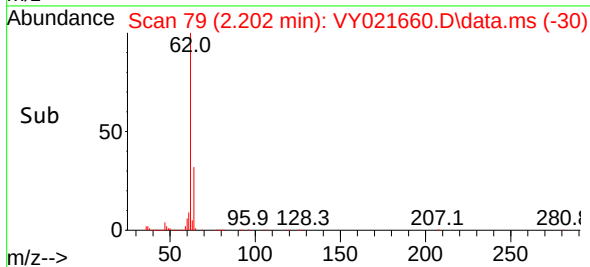
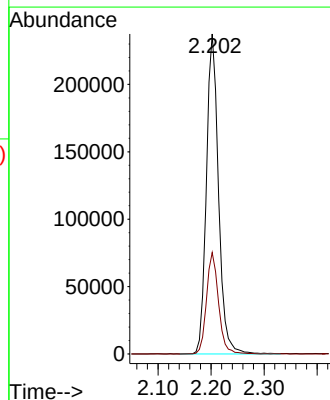
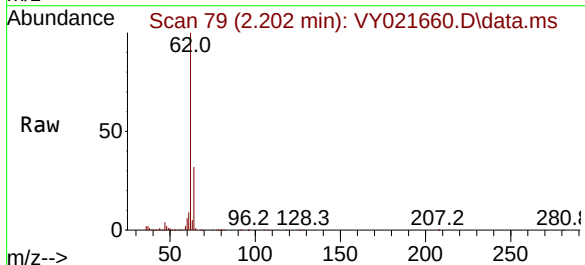
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

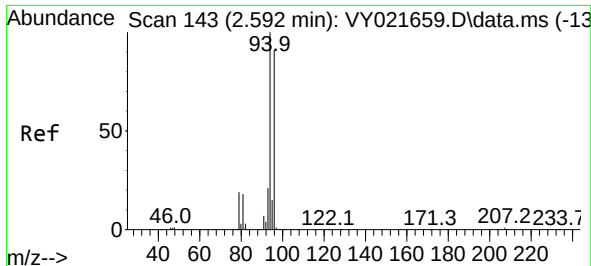
Tgt Ion: 50 Resp: 333313
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5



#4
Vinyl Chloride
Concen: 91.934 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 375853
Ion Ratio Lower Upper
62 100
64 31.7 25.5 38.3

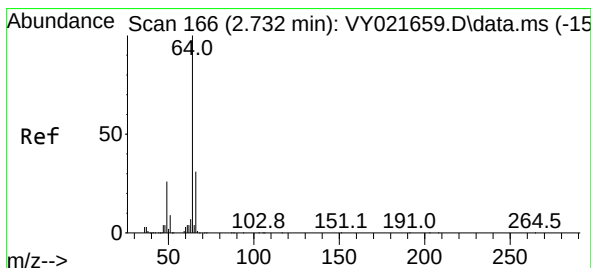
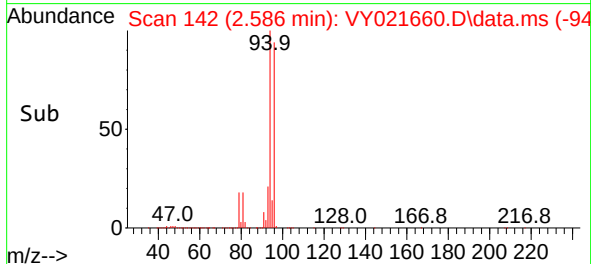
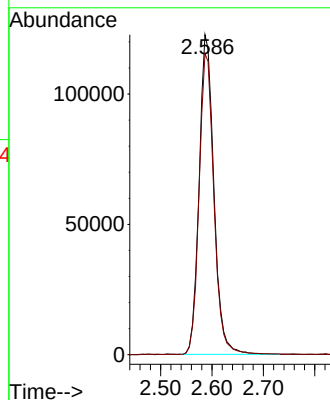
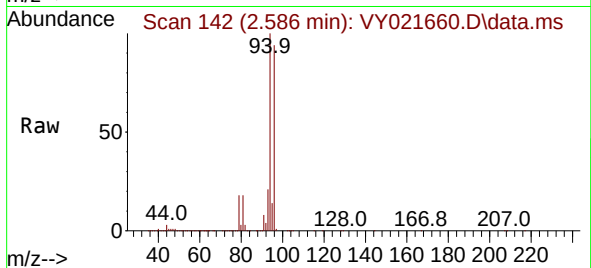




#5
Bromomethane
Concen: 87.885 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

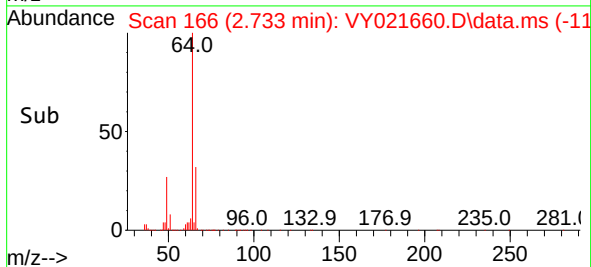
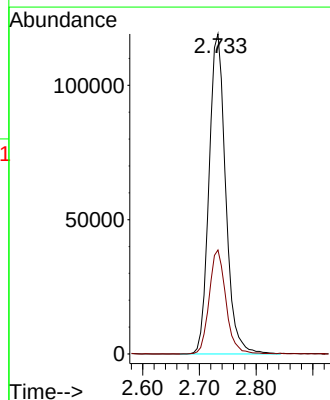
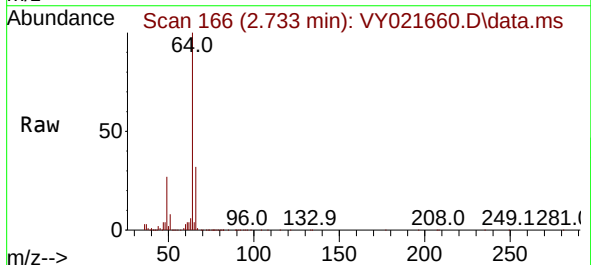
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

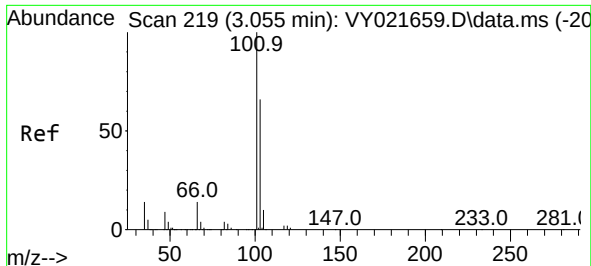
Tgt Ion: 94 Resp: 245057
Ion Ratio Lower Upper
94 100
96 94.0 72.8 109.2



#6
Chloroethane
Concen: 90.810 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 64 Resp: 242934
Ion Ratio Lower Upper
64 100
66 32.5 24.9 37.3

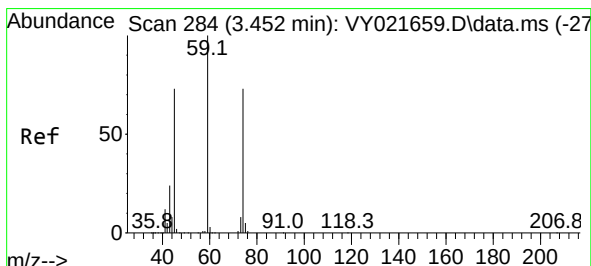
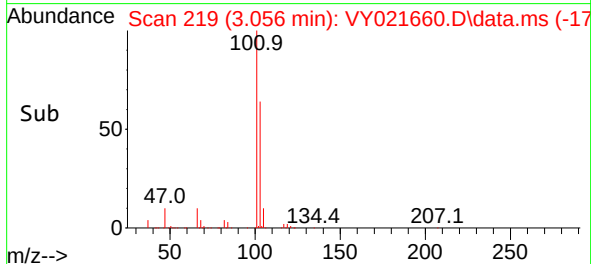
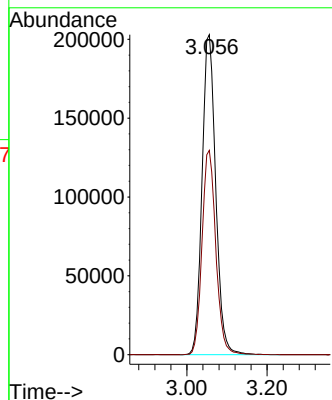
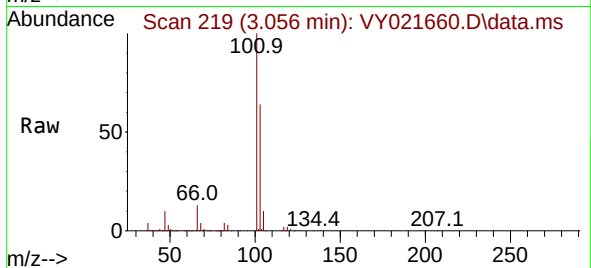




#7
 Trichlorofluoromethane
 Concen: 91.568 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

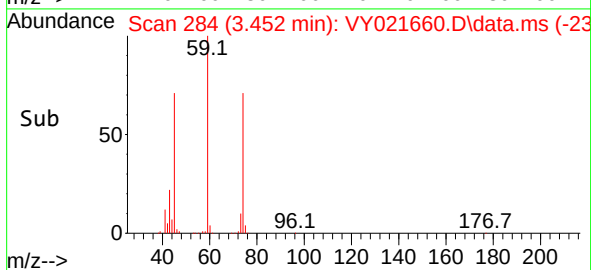
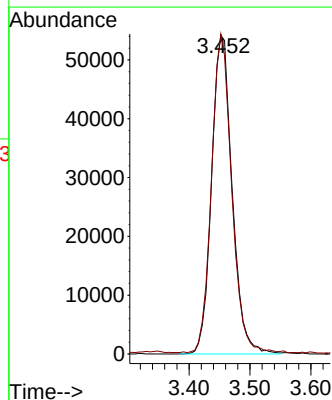
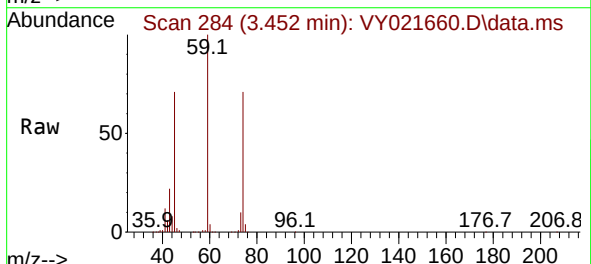
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

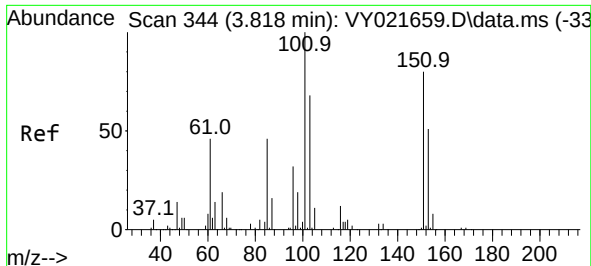
Tgt Ion:101 Resp: 479554
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.1 79.7



#8
 Diethyl Ether
 Concen: 89.276 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

Tgt Ion: 74 Resp: 127148
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.6 145.8

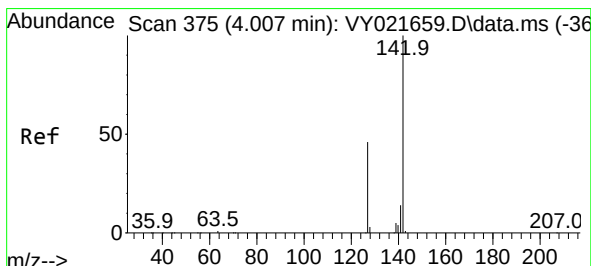
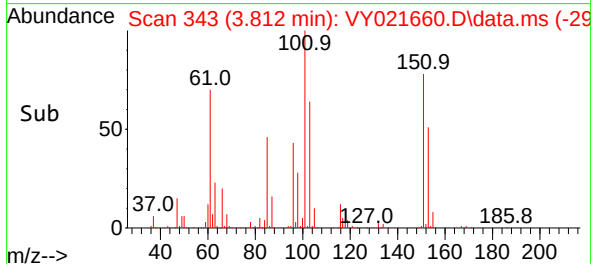
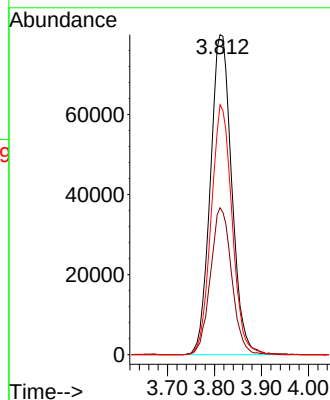
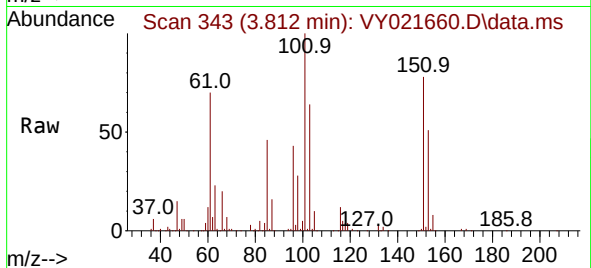




#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.550 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

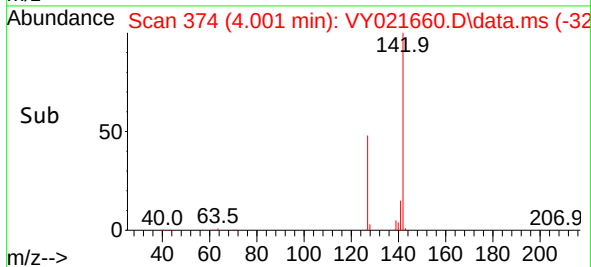
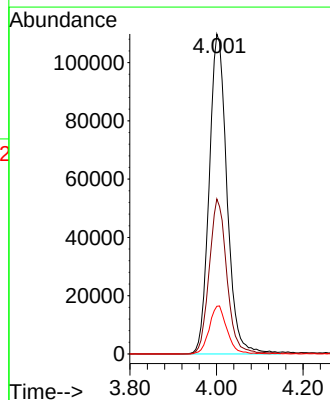
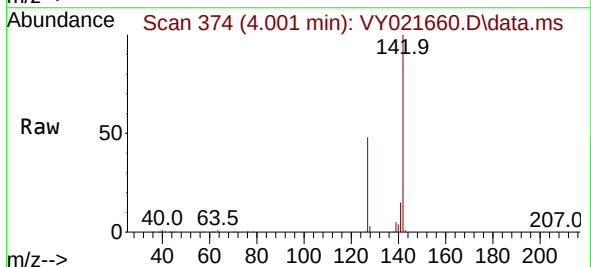
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

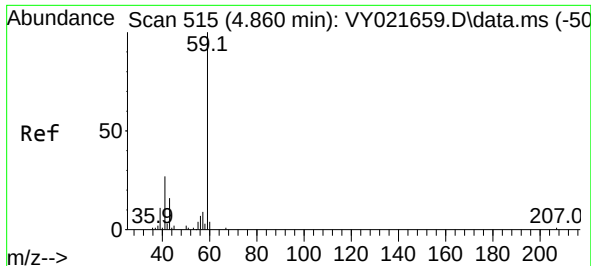
Tgt Ion:101 Resp: 252877
Ion Ratio Lower Upper
101 100
85 45.6 36.3 54.5
151 76.7 61.3 91.9



#10
Methyl Iodide
Concen: 103.371 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:142 Resp: 313241
Ion Ratio Lower Upper
142 100
127 48.2 38.7 58.1
141 15.0 11.5 17.3

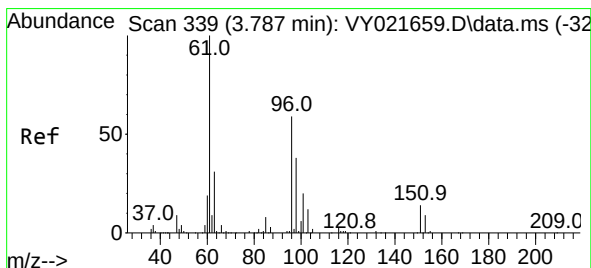
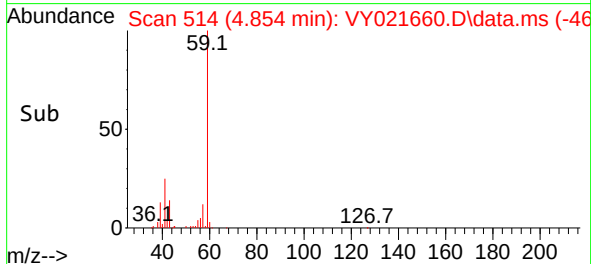
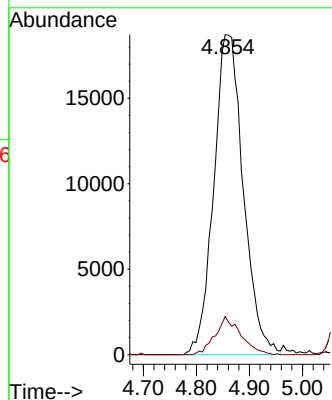
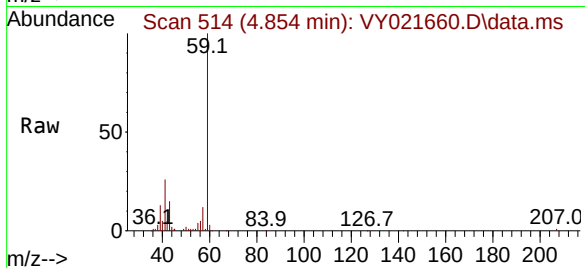




#11
Tert butyl alcohol
Concen: 415.131 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

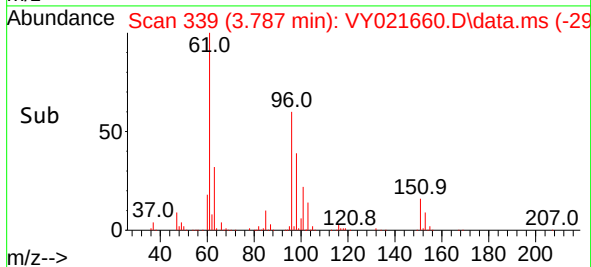
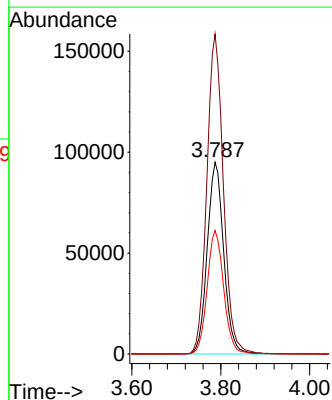
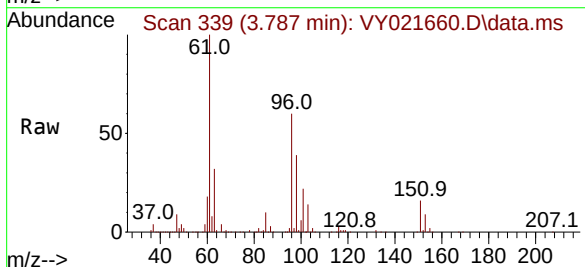
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

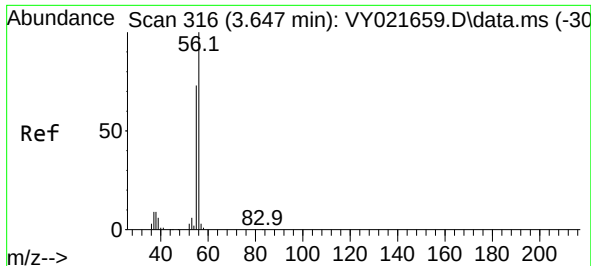
Tgt Ion: 59 Resp: 72464
Ion Ratio Lower Upper
59 100
57 10.4 9.2 13.8



#12
1,1-Dichloroethene
Concen: 94.504 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 245873
Ion Ratio Lower Upper
96 100
61 166.9 136.6 204.8
98 64.4 52.3 78.5

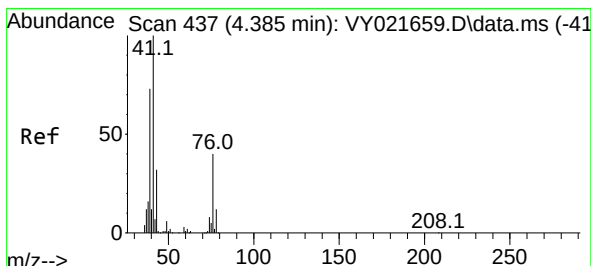
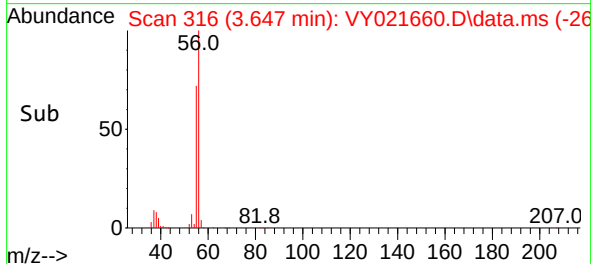
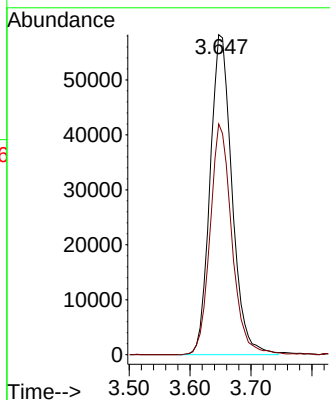
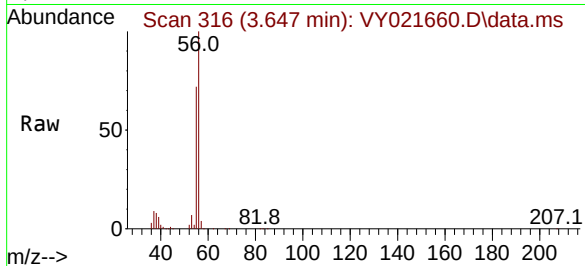




#13
Acrolein
Concen: 456.581 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

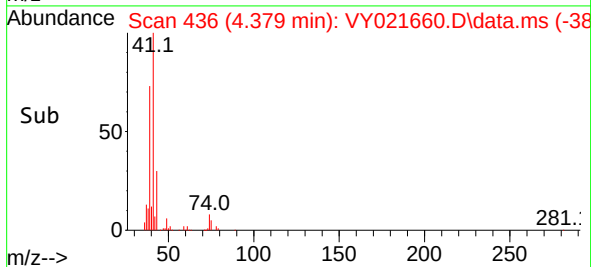
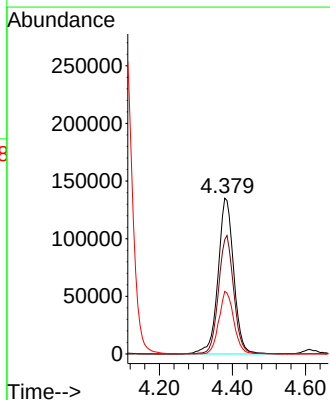
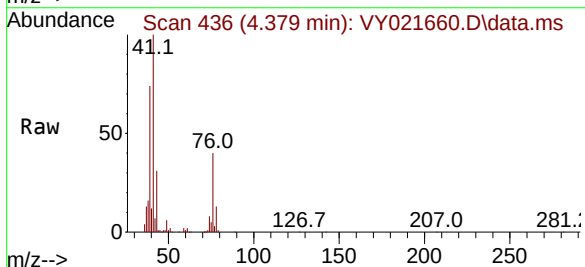
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

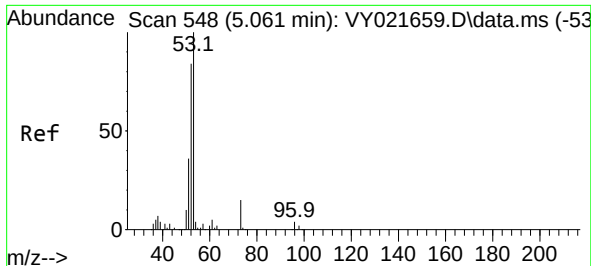
Tgt Ion: 56 Resp: 145527
Ion Ratio Lower Upper
56 100
55 71.5 56.6 85.0



#14
Allyl chloride
Concen: 97.292 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 403587
Ion Ratio Lower Upper
41 100
39 74.0 58.6 88.0
76 38.3 30.3 45.5

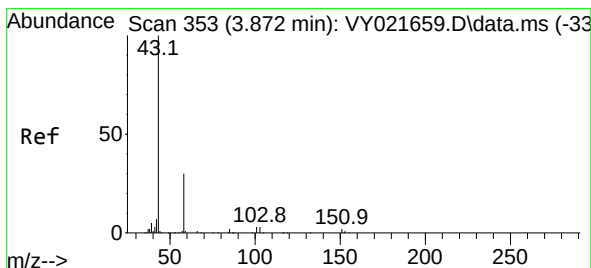
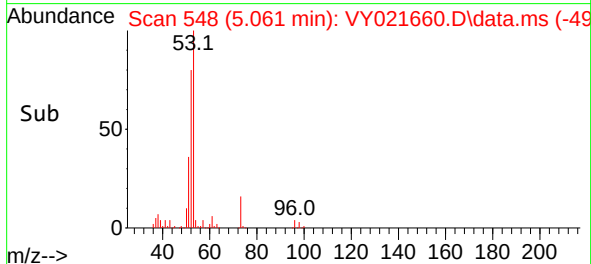
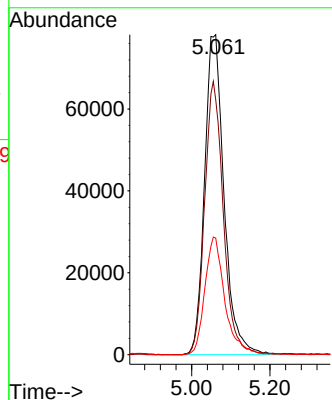
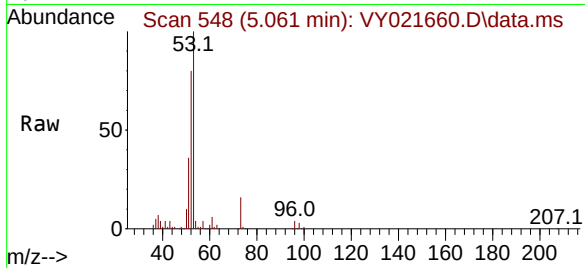




#15
Acrylonitrile
Concen: 454.005 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

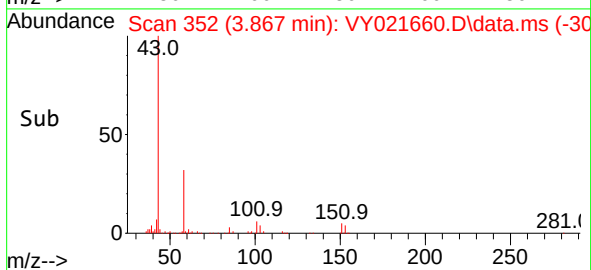
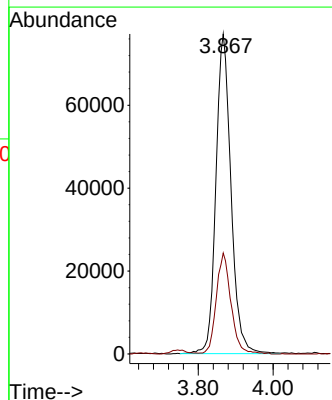
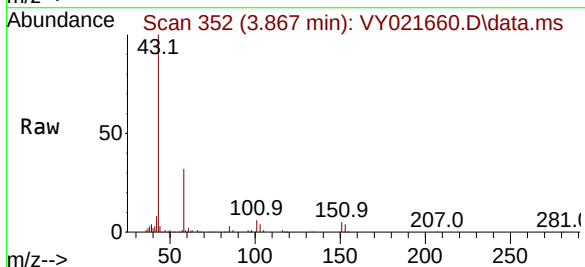
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

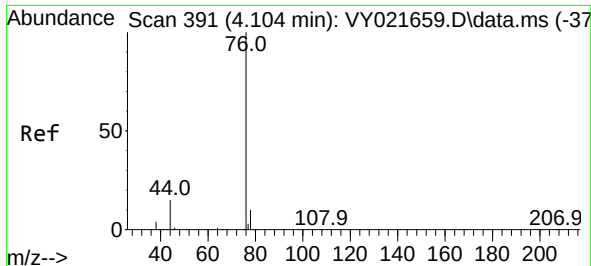
Tgt Ion: 53 Resp: 269979
Ion Ratio Lower Upper
53 100
52 81.8 64.9 97.3
51 37.8 30.2 45.2



#16
Acetone
Concen: 391.376 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 215263
Ion Ratio Lower Upper
43 100
58 31.6 24.2 36.4

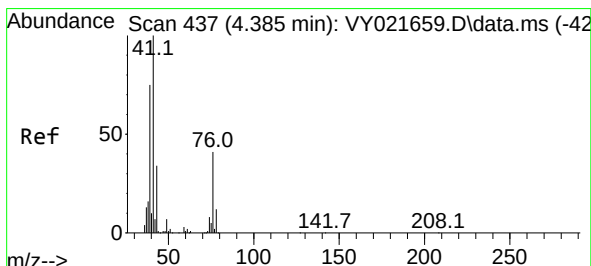
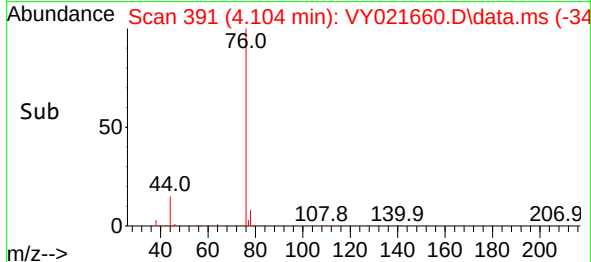
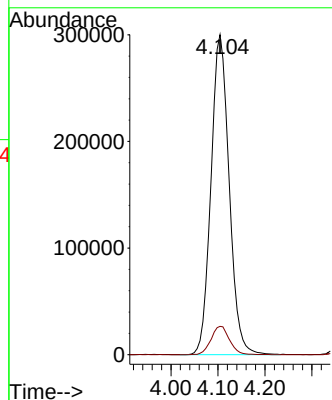
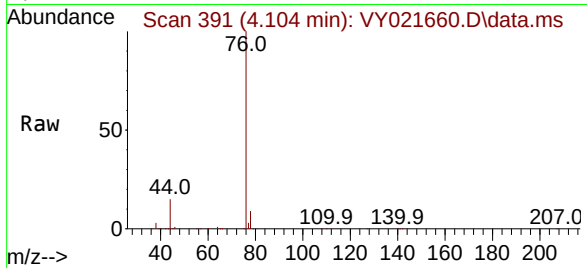




#17
Carbon Disulfide
Concen: 93.952 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

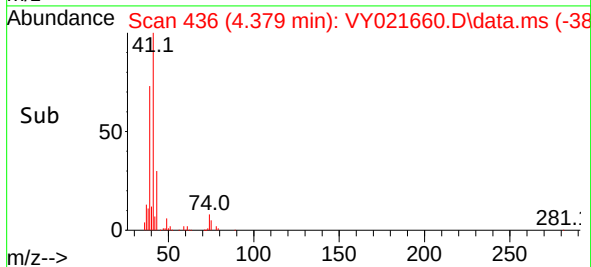
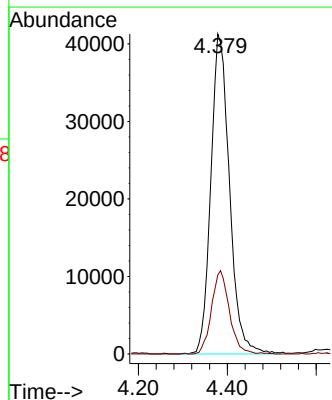
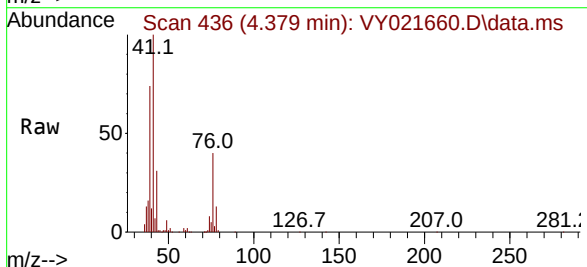
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

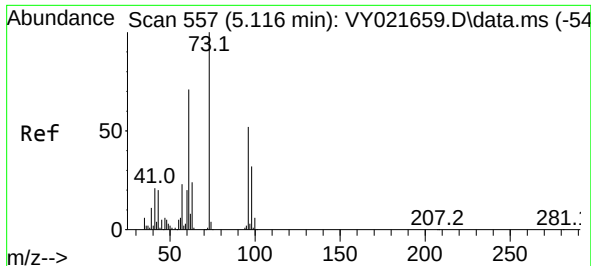
Tgt Ion: 76 Resp: 805100
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#18
Methyl Acetate
Concen: 88.304 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 120373
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 96.160 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

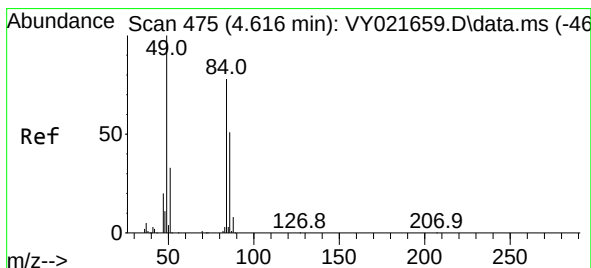
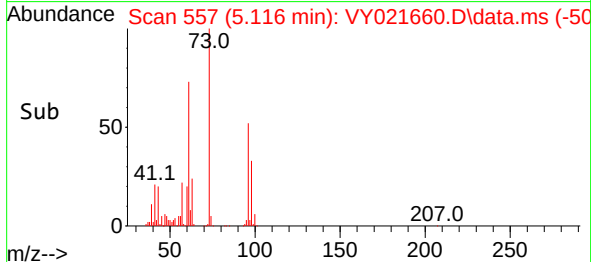
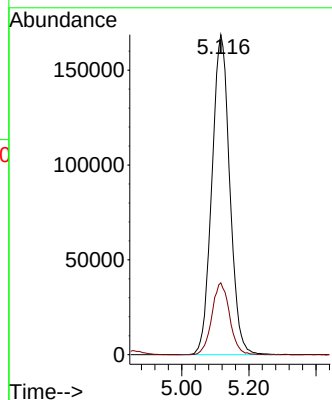
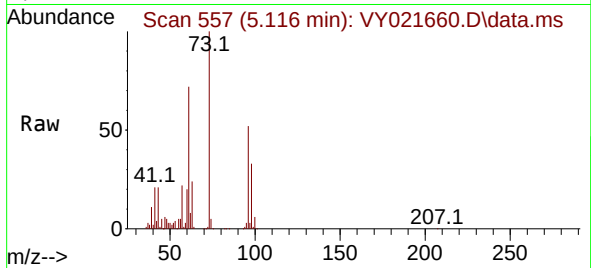
VSTDICC100

Tgt Ion: 73 Resp: 622864

Ion Ratio Lower Upper

73 100

57 22.4 18.1 27.1



#20

Methylene Chloride

Concen: 99.325 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion: 84 Resp: 257053

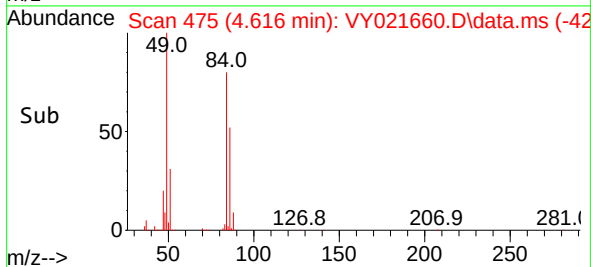
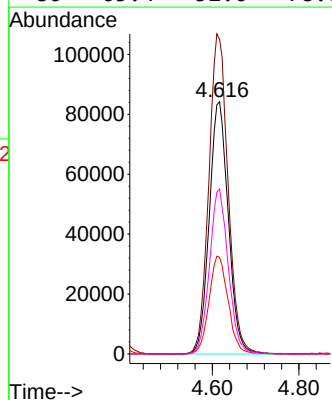
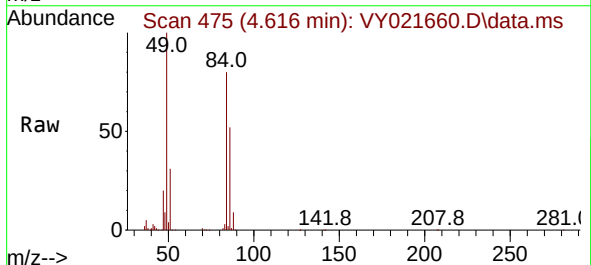
Ion Ratio Lower Upper

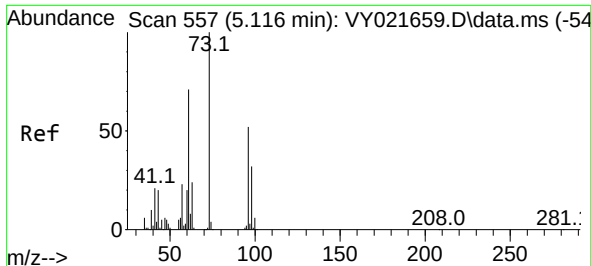
84 100

49 124.8 102.8 154.2

51 38.3 33.5 50.3

86 65.4 52.0 78.0

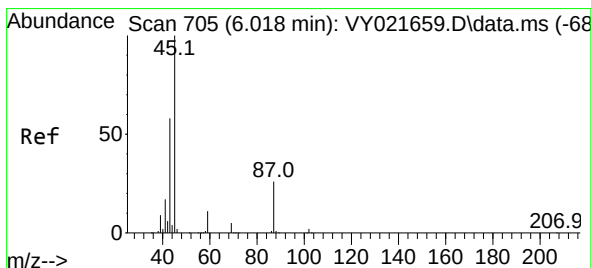
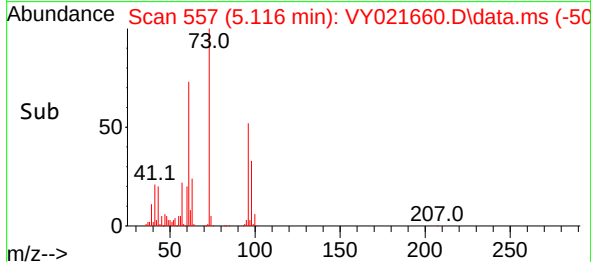
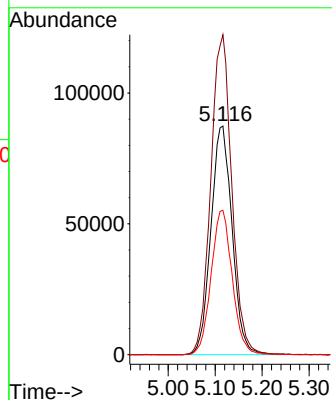
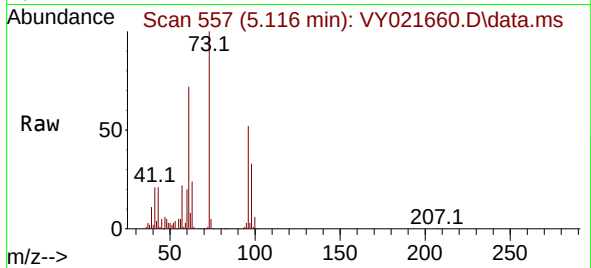




#21
trans-1,2-Dichloroethene
Concen: 95.485 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

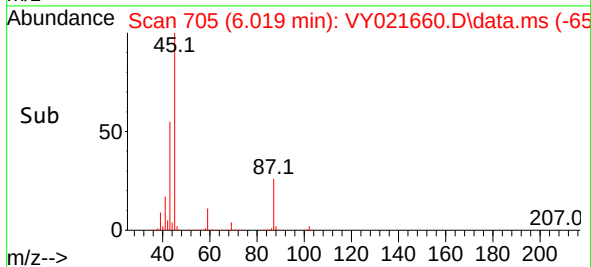
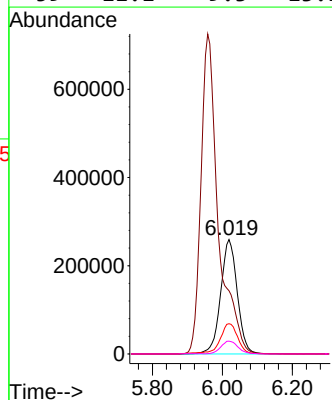
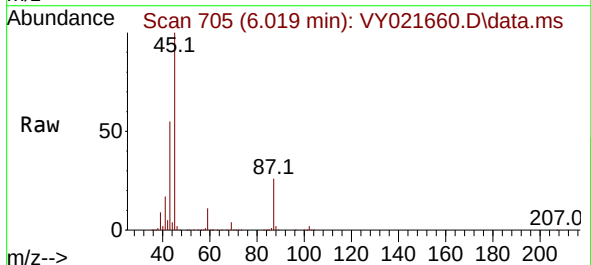
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

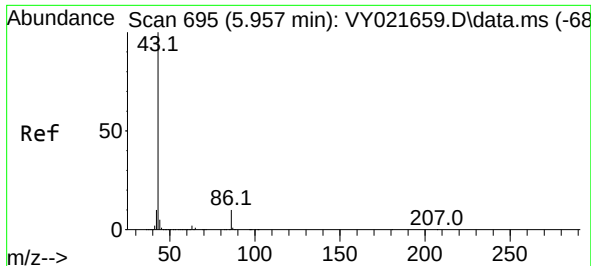
Tgt Ion: 96 Resp: 273524
Ion Ratio Lower Upper
96 100
61 140.0 109.4 164.0
98 63.1 50.2 75.2



#22
Diisopropyl ether
Concen: 98.345 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 45 Resp: 855783
Ion Ratio Lower Upper
45 100
43 55.2 46.6 69.8
87 26.5 20.7 31.1
59 11.1 9.3 13.9

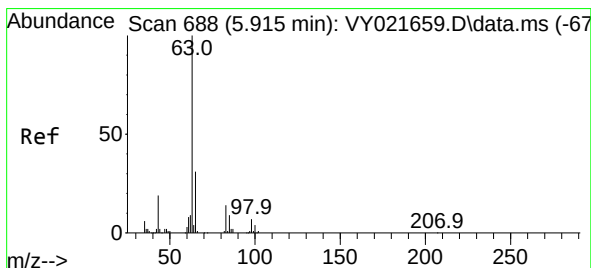
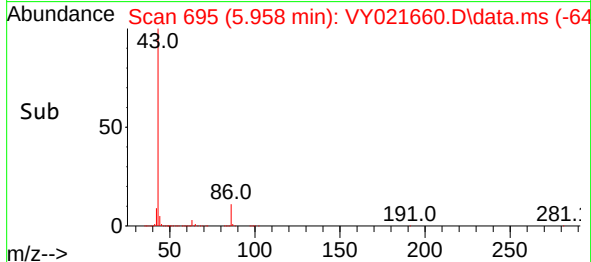
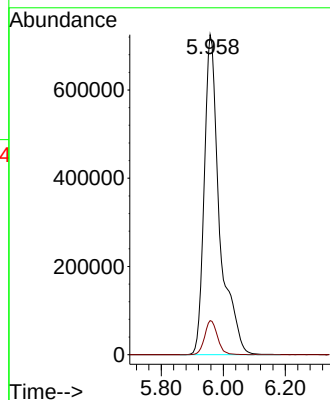
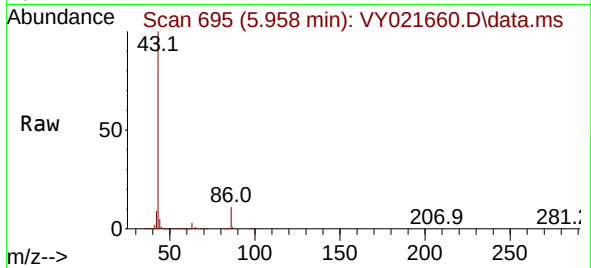




#23
 Vinyl Acetate
 Concen: 489.304 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

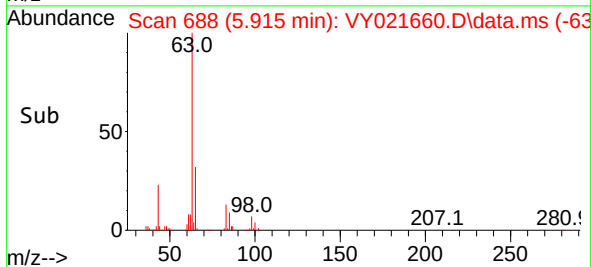
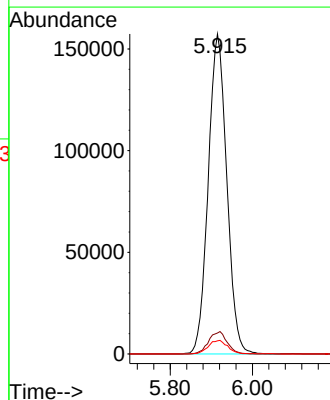
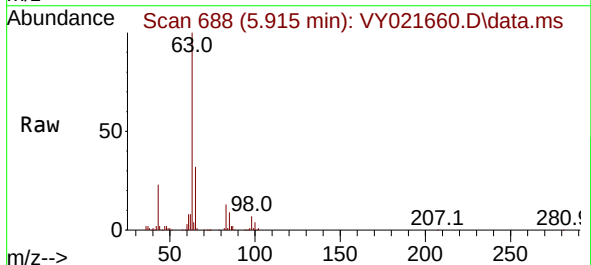
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

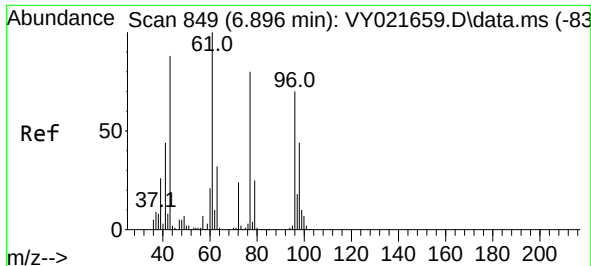
Tgt Ion: 43 Resp: 2490861
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 94.595 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 492205
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.1 2.2 6.6

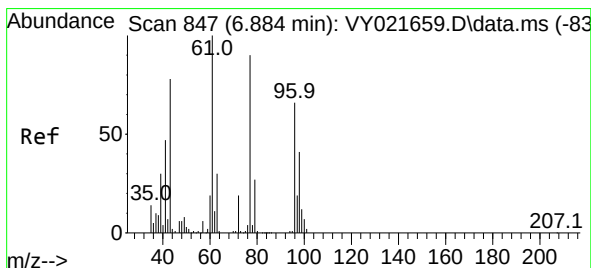
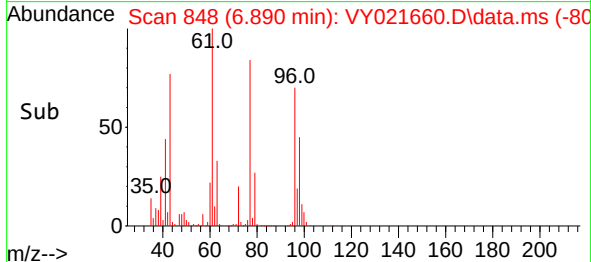
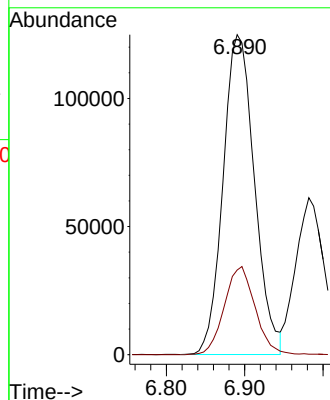
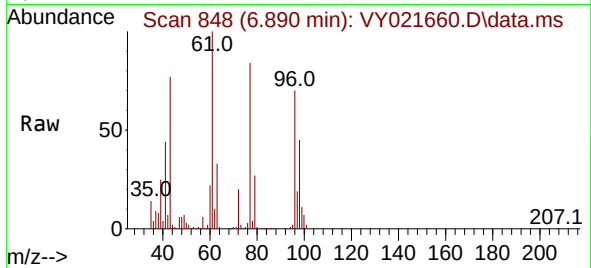




#25
2-Butanone
Concen: 442.999 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

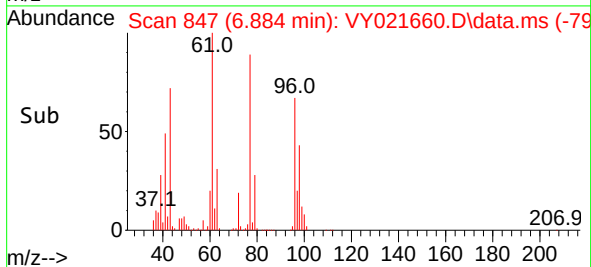
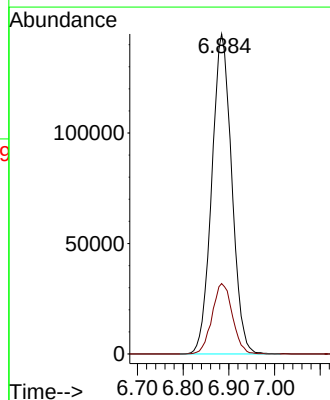
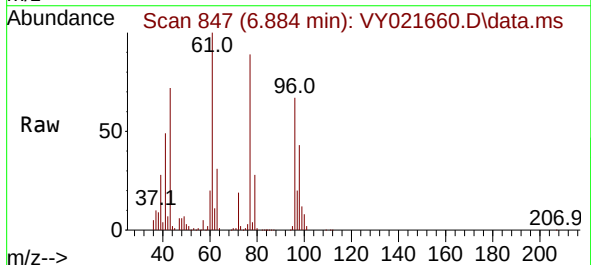
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

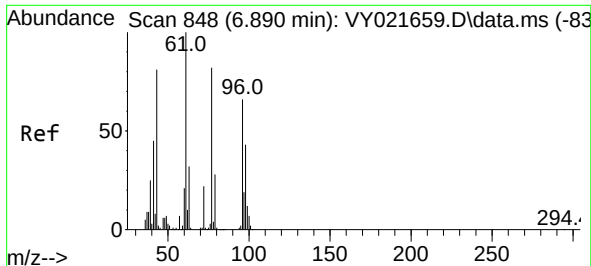
Tgt Ion: 43 Resp: 348017
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.2



#26
2,2-Dichloropropane
Concen: 94.960 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 77 Resp: 439519
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.1

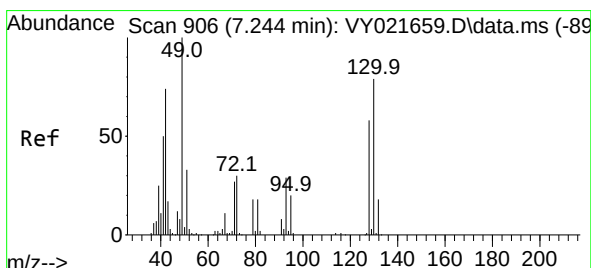
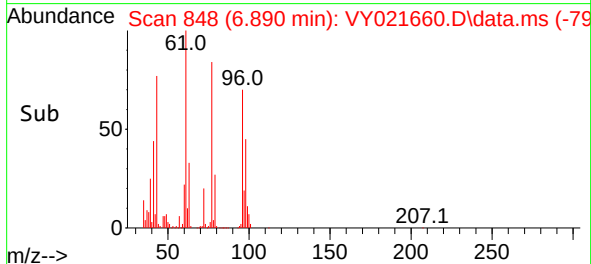
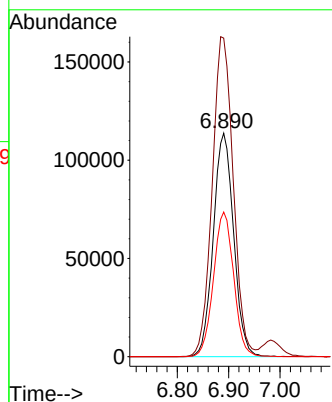
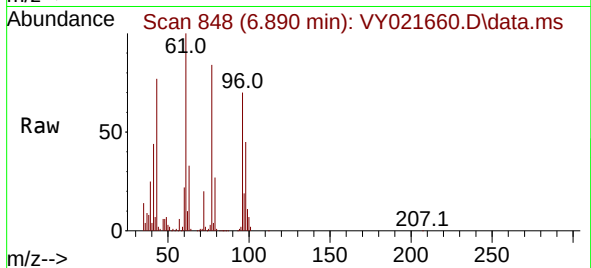




#27
cis-1,2-Dichloroethene
Concen: 97.115 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

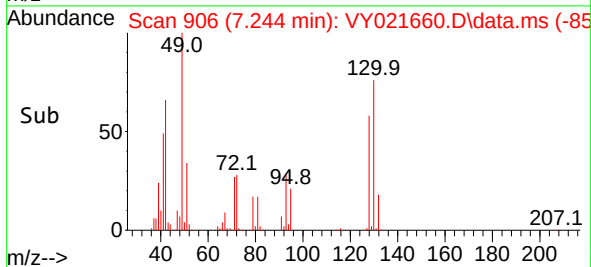
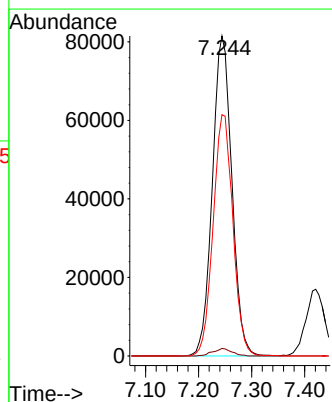
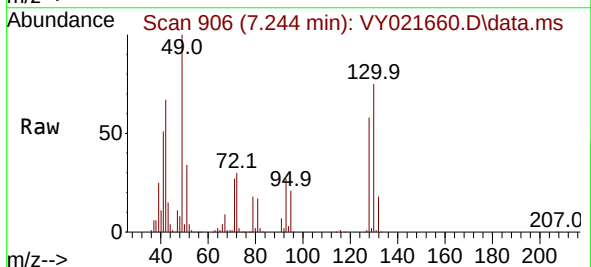
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

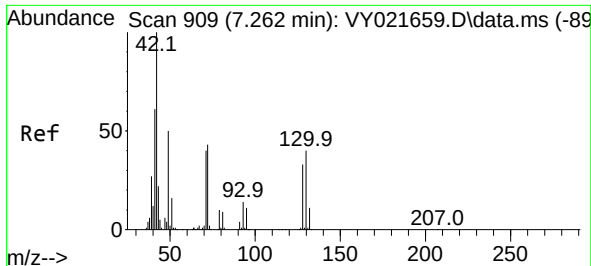
Tgt Ion: 96 Resp: 312849
Ion Ratio Lower Upper
96 100
61 147.7 0.0 296.4
98 64.2 0.0 128.0



#28
Bromochloromethane
Concen: 94.860 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 49 Resp: 208162
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 76.3 60.1 90.1





#29

Tetrahydrofuran

Concen: 457.752 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

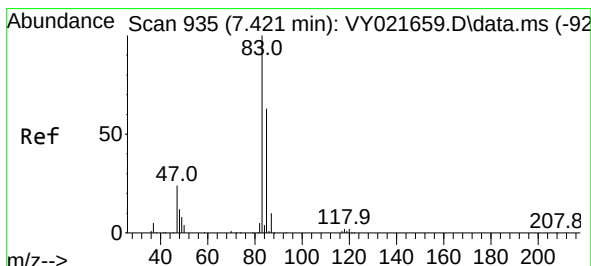
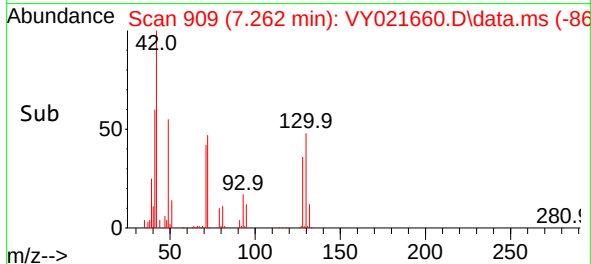
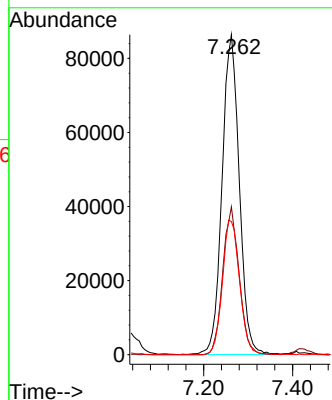
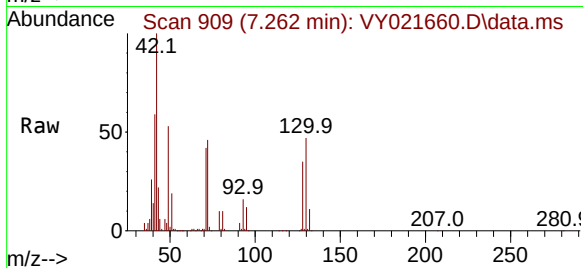
Tgt Ion: 42 Resp: 231439

Ion Ratio Lower Upper

42 100

72 44.0 34.6 52.0

71 42.0 32.5 48.7



#30

Chloroform

Concen: 94.087 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021660.D

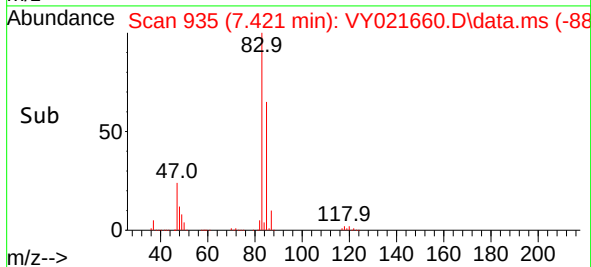
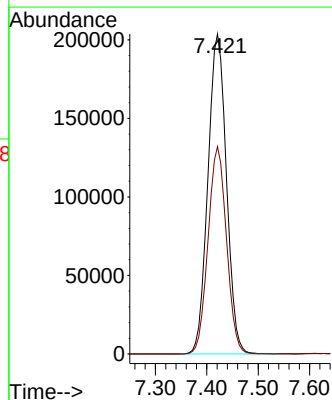
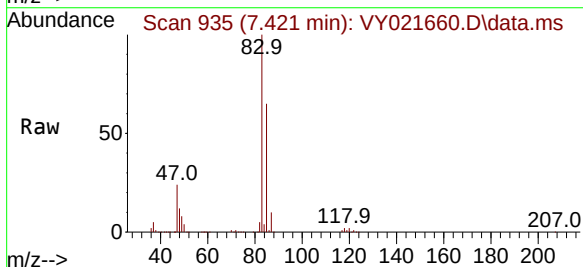
Acq: 27 Mar 2025 11:39

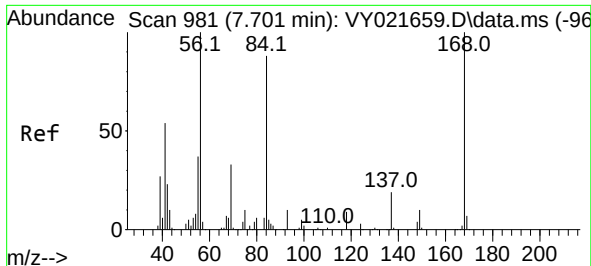
Tgt Ion: 83 Resp: 509194

Ion Ratio Lower Upper

83 100

85 64.8 50.6 75.8

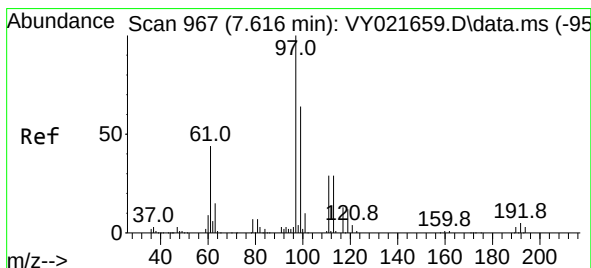
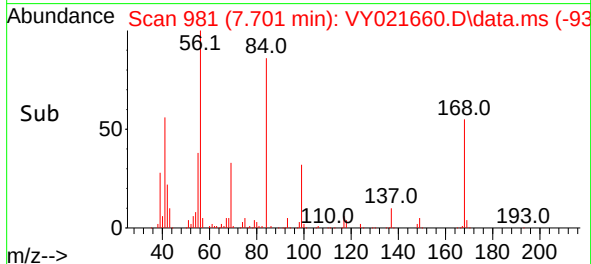
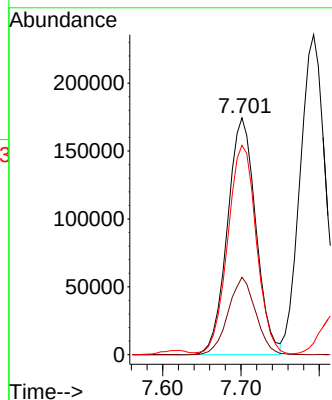
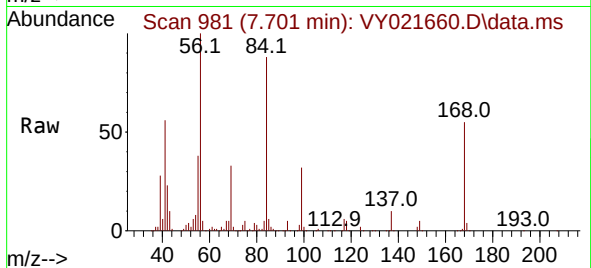




#31
Cyclohexane
Concen: 92.706 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

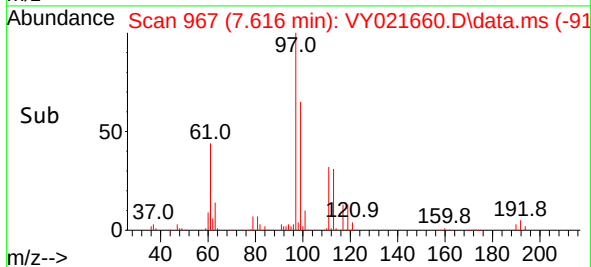
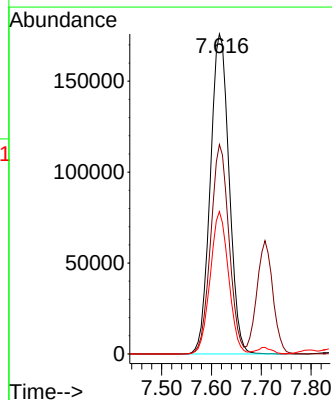
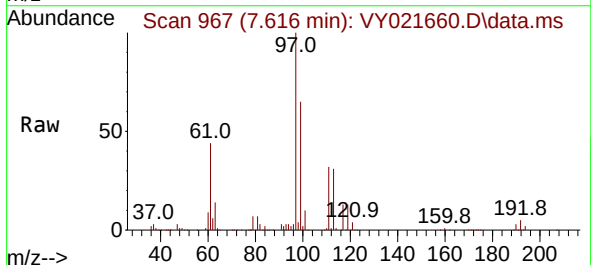
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

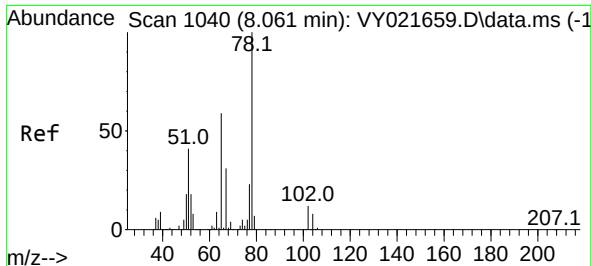
Tgt Ion: 56 Resp: 439720
Ion Ratio Lower Upper
56 100
69 32.7 26.6 40.0
84 86.5 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 94.182 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 97 Resp: 460680
Ion Ratio Lower Upper
97 100
99 63.8 50.7 76.1
61 43.5 35.2 52.8

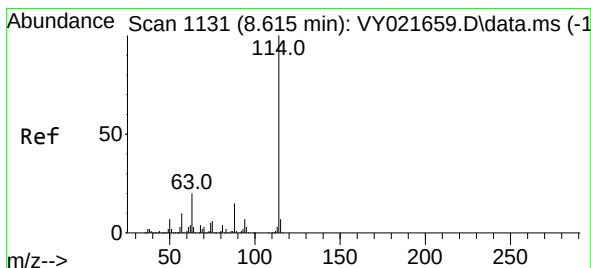
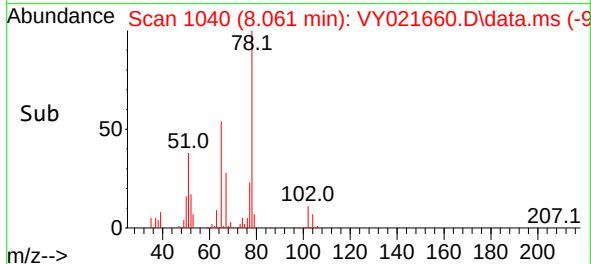
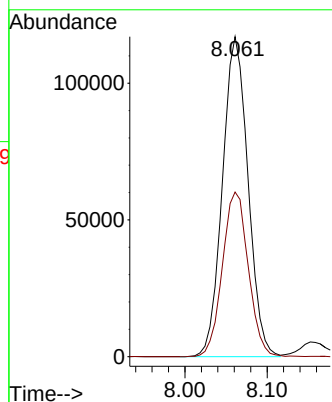
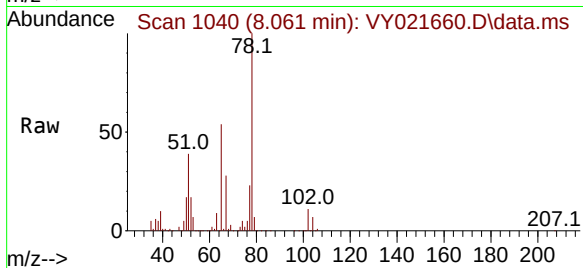




#33
 1,2-Dichloroethane-d4
 Concen: 94.129 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

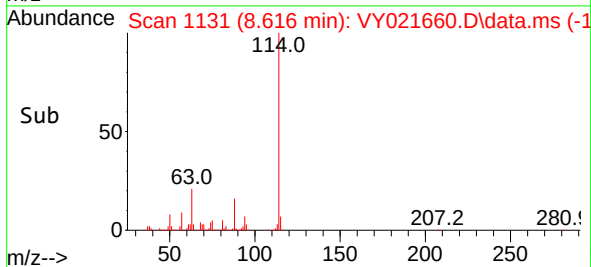
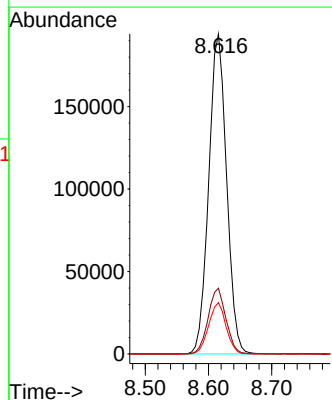
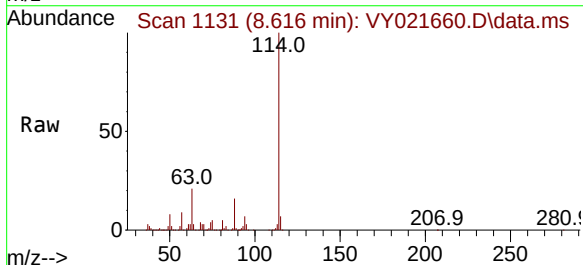
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

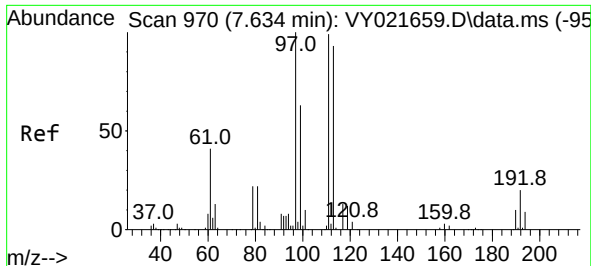
Tgt Ion: 65 Resp: 252968
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

Tgt Ion: 114 Resp: 380682
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.2
 88 16.0 0.0 29.8

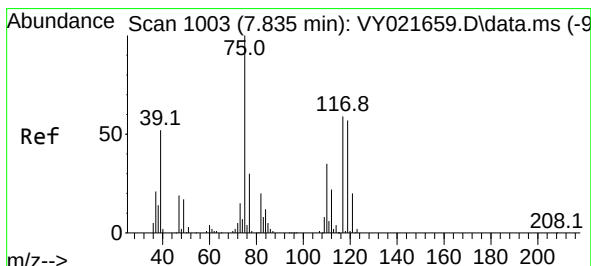
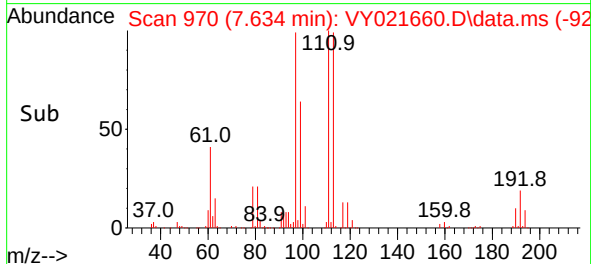
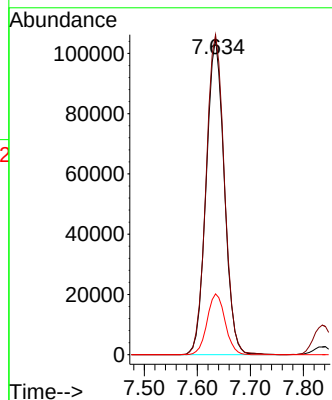
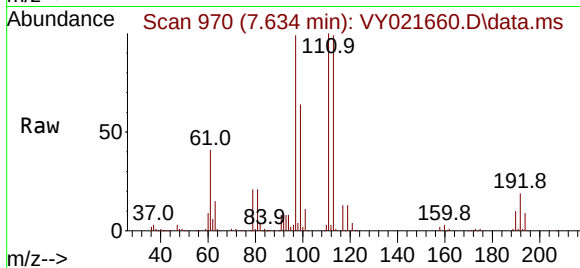




#35
Dibromofluoromethane
Concen: 100.177 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

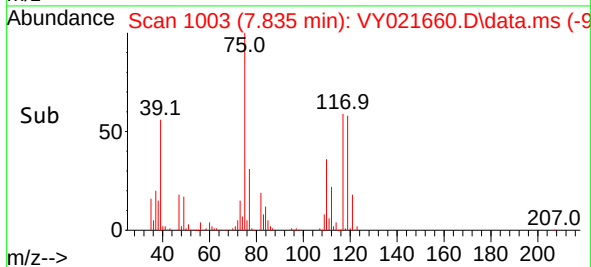
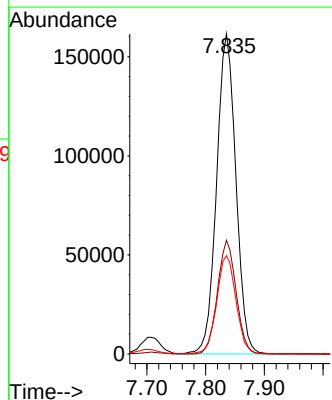
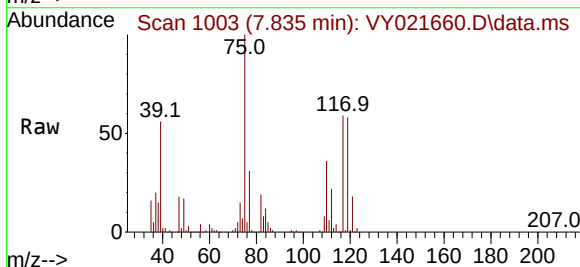
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

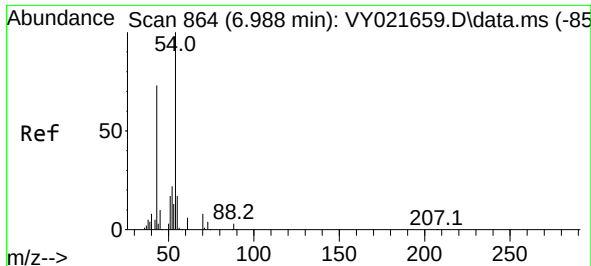
Tgt Ion:113 Resp: 247380
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 19.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 98.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 368741
Ion Ratio Lower Upper
75 100
110 34.4 17.0 50.9
77 30.8 24.8 37.2





#37

Ethyl Acetate

Concen: 90.529 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

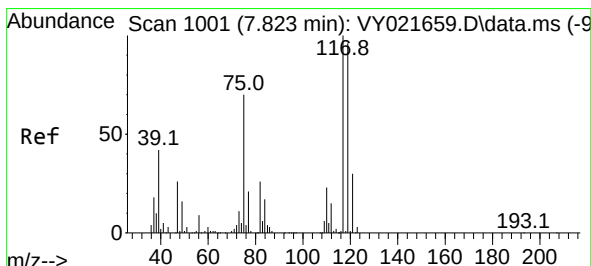
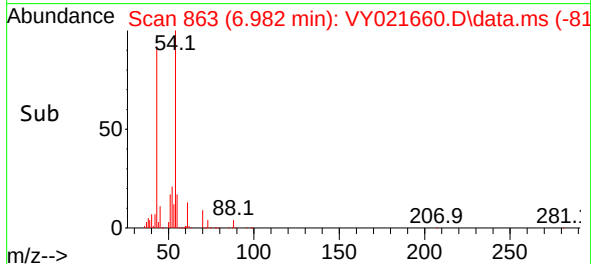
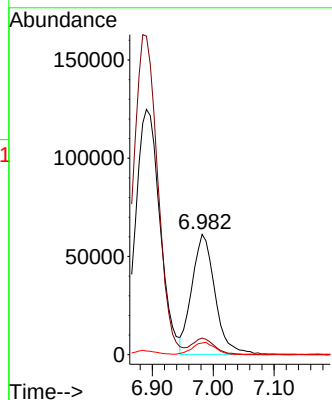
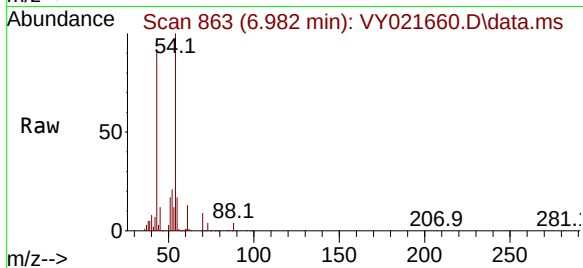
Tgt Ion: 43 Resp: 160700

Ion Ratio Lower Upper

43 100

61 13.9 11.0 16.6

70 10.2 8.1 12.1



#38

Carbon Tetrachloride

Concen: 96.746 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

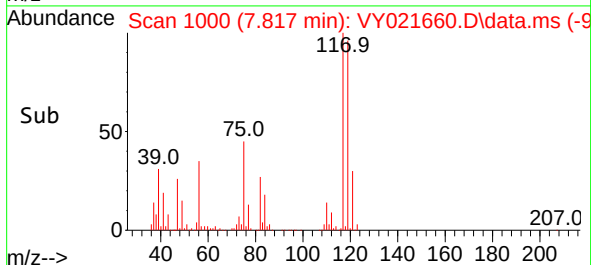
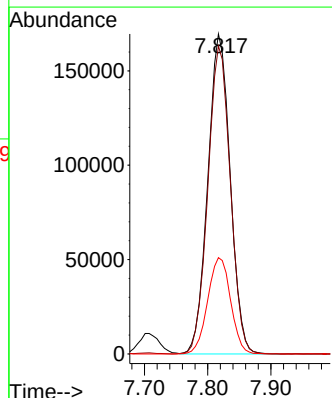
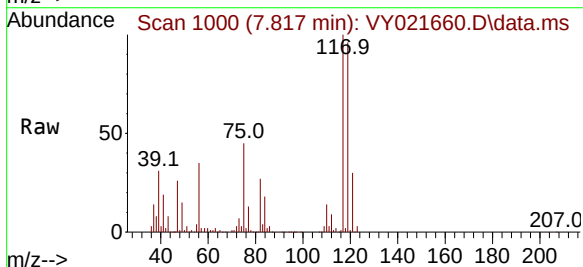
Tgt Ion: 117 Resp: 416779

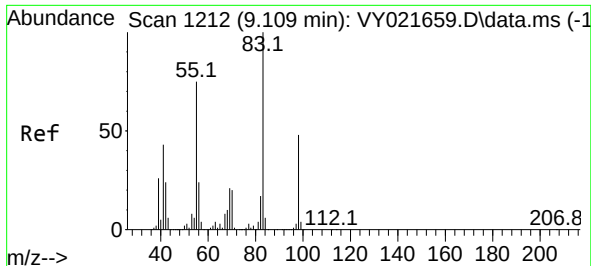
Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.4

121 30.1 24.2 36.4





#39

Methylcyclohexane

Concen: 103.663 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

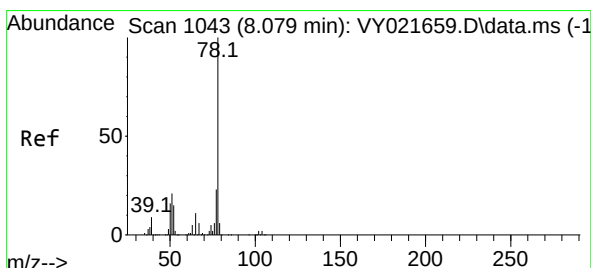
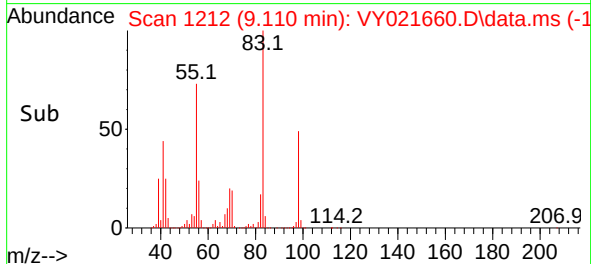
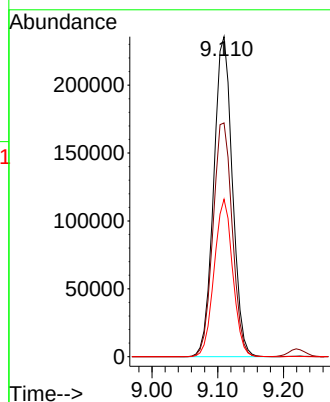
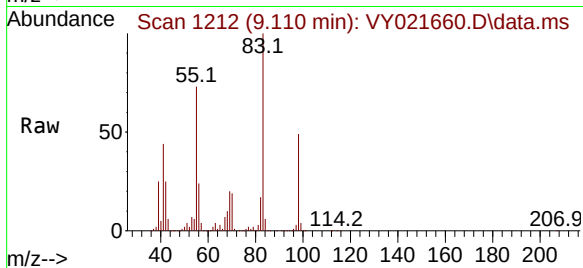
Tgt Ion: 83 Resp: 465789

Ion Ratio Lower Upper

83 100

55 73.0 59.7 89.5

98 49.2 38.3 57.5



#40

Benzene

Concen: 97.692 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021660.D

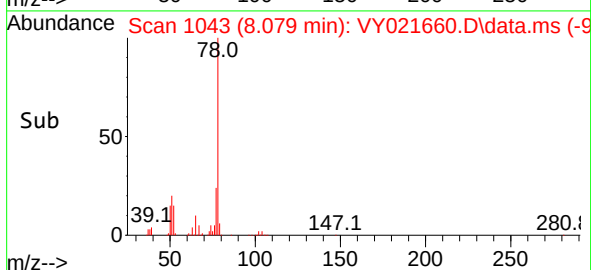
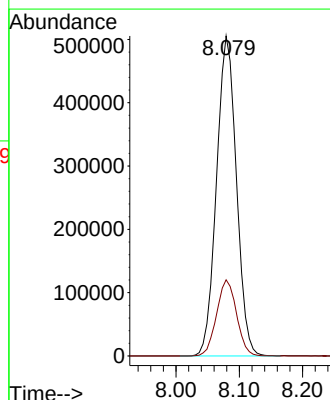
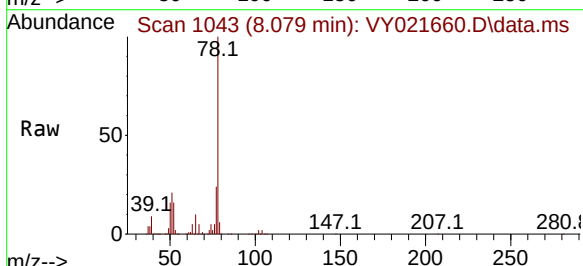
Acq: 27 Mar 2025 11:39

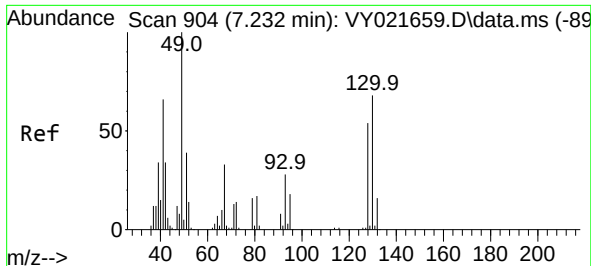
Tgt Ion: 78 Resp: 1100425

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

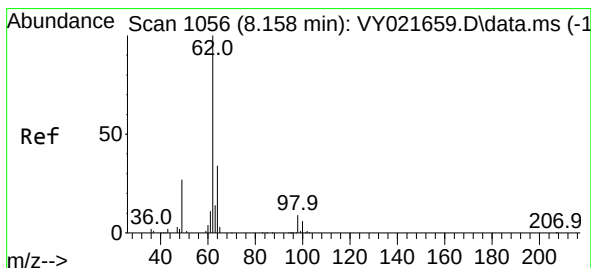
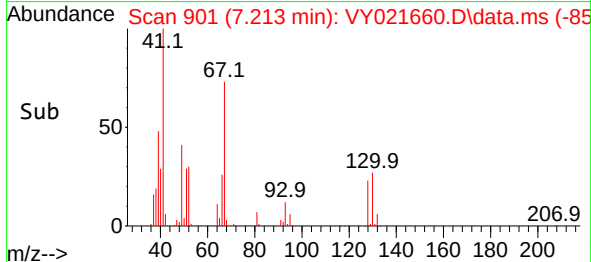
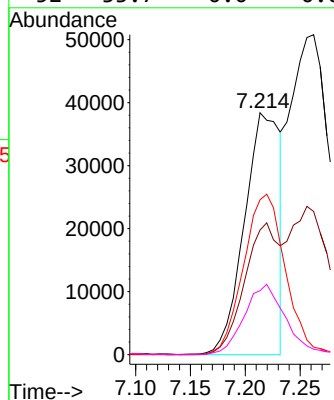
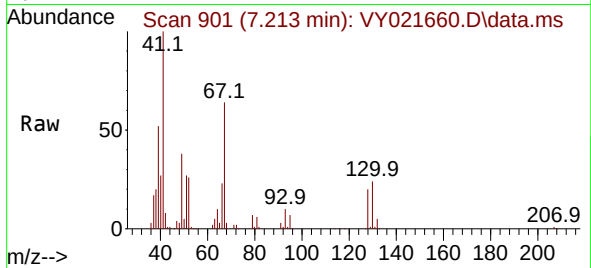




#41
Methacrylonitrile
Concen: 92.176 ug/l
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

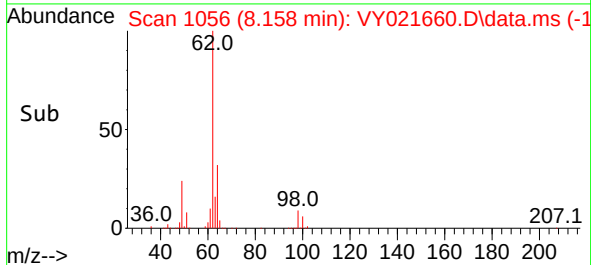
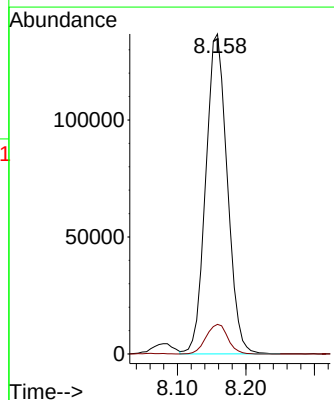
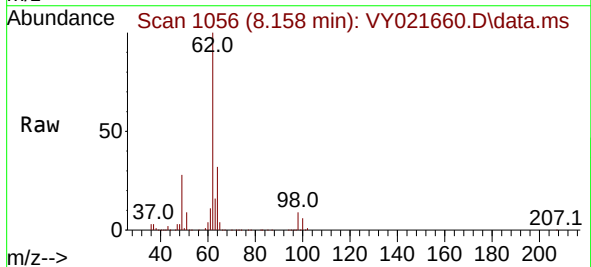
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

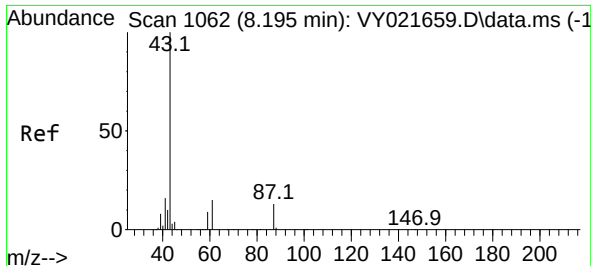
Tgt Ion:	41	Resp:	86888
Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	78.1	0.0	0.0#
52	33.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 93.952 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:	62	Resp:	298349
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

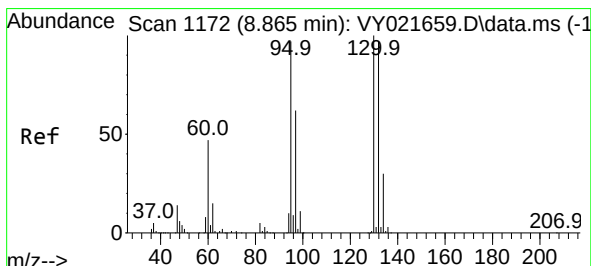
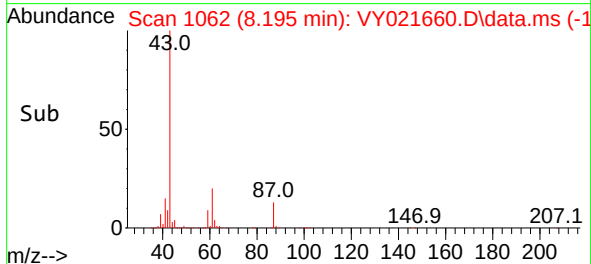
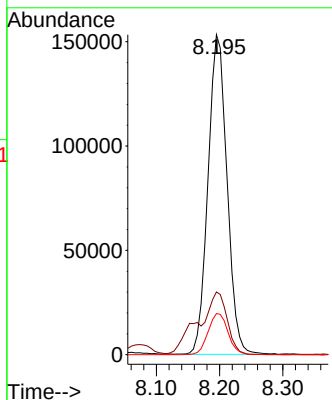
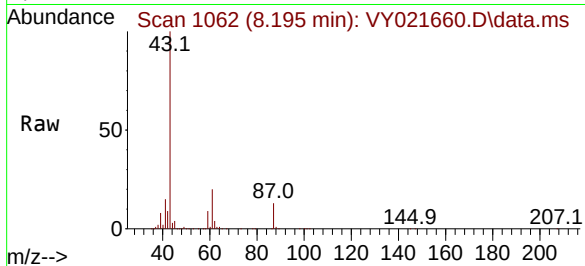




#43
Isopropyl Acetate
Concen: 95.153 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

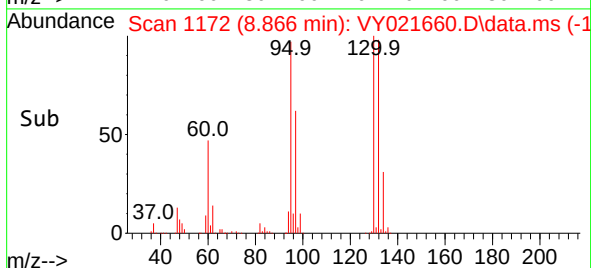
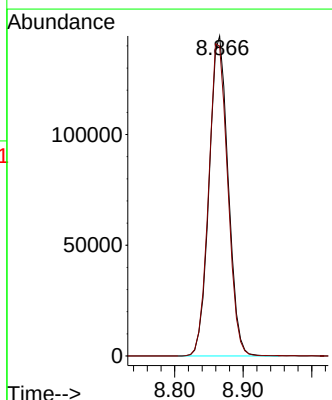
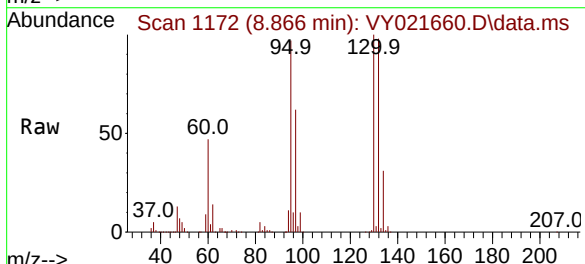
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

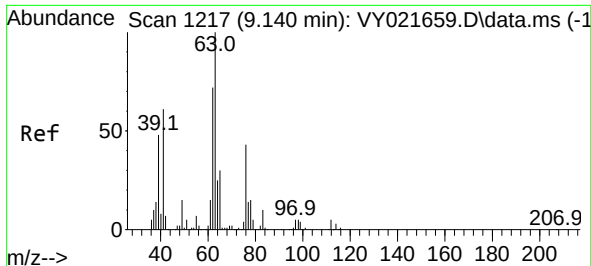
Tgt Ion: 43 Resp: 320092
Ion Ratio Lower Upper
43 100
61 20.0 15.9 23.9
87 13.4 10.4 15.6



#44
Trichloroethene
Concen: 97.190 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 130 Resp: 278937
Ion Ratio Lower Upper
130 100
95 96.9 0.0 194.8





#45

1,2-Dichloropropane

Concen: 97.163 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

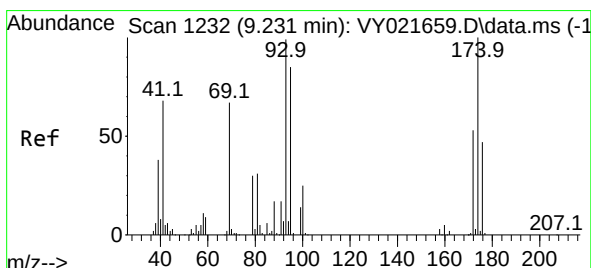
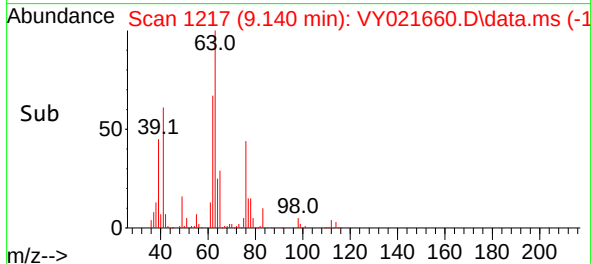
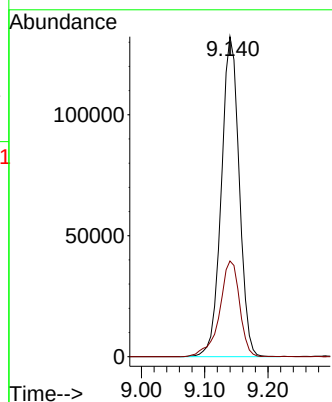
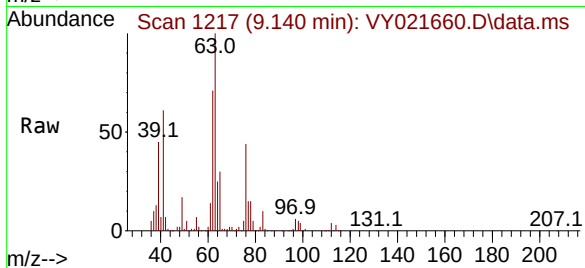
VSTDIC100

Tgt Ion: 63 Resp: 259066

Ion Ratio Lower Upper

63 100

65 29.9 24.4 36.6



#46

Dibromomethane

Concen: 94.482 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

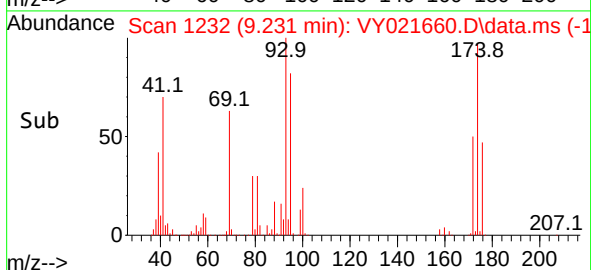
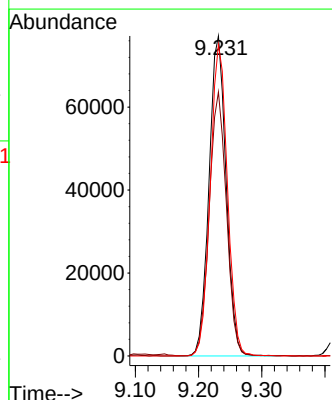
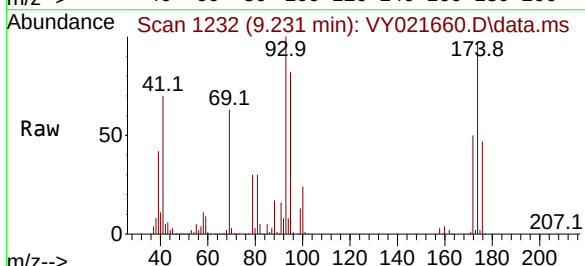
Tgt Ion: 93 Resp: 145186

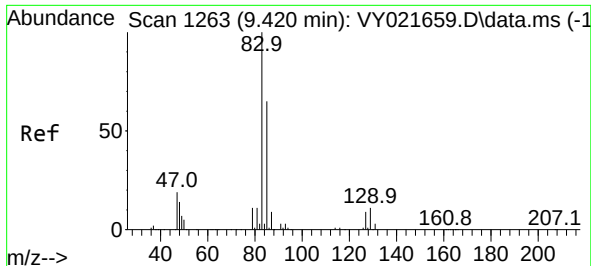
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 97.8 80.9 121.3

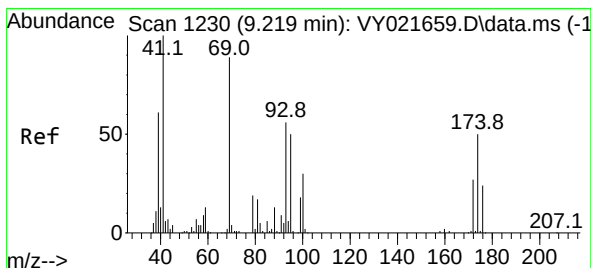
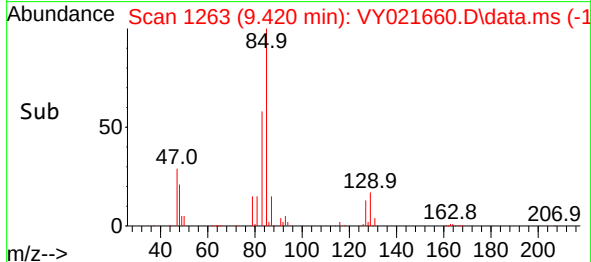
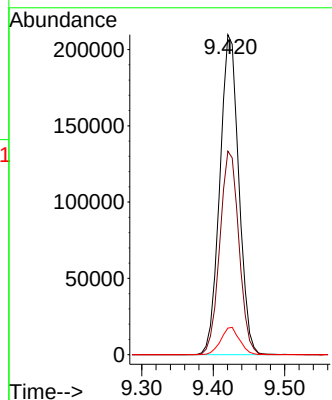
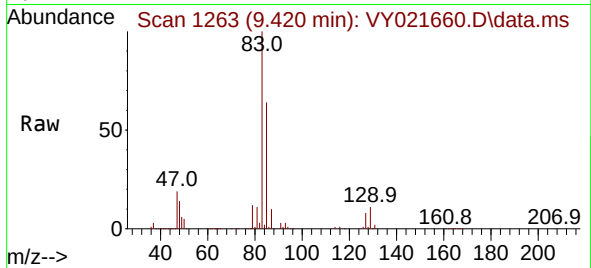




#47
Bromodichloromethane
Concen: 97.159 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

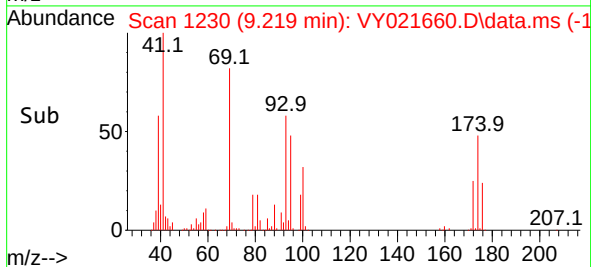
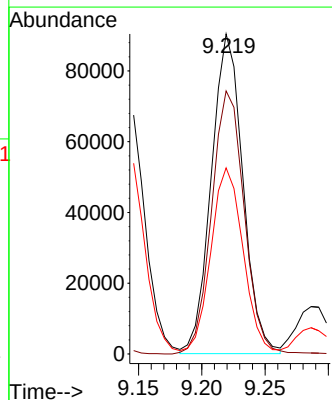
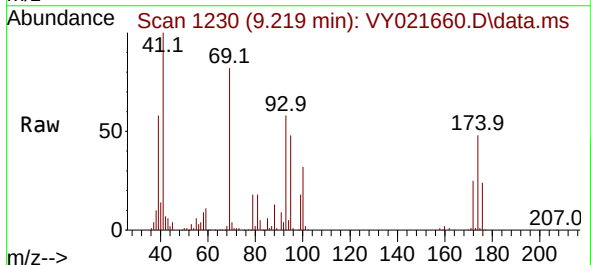
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

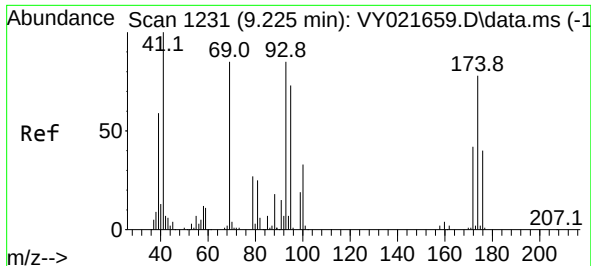
Tgt Ion:	83	Resp:	386864
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.3	6.8	10.2



#48
Methyl methacrylate
Concen: 101.718 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:	41	Resp:	157046
Ion	Ratio	Lower	Upper
41	100		
69	85.0	69.8	104.8
39	57.6	47.2	70.8

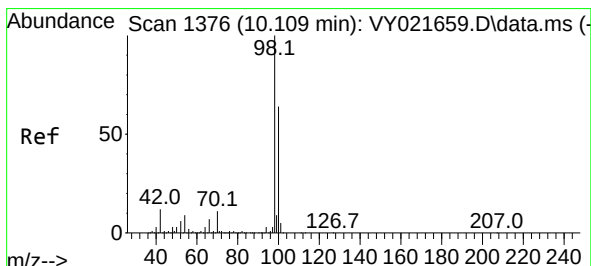
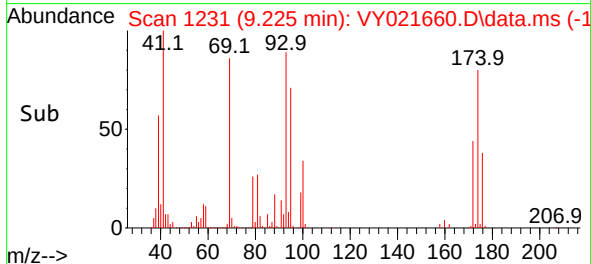
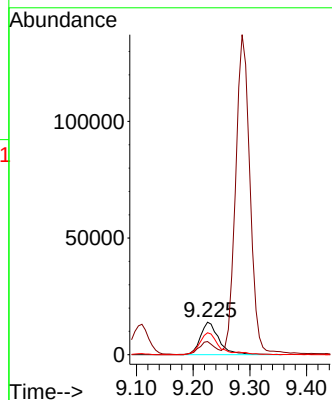
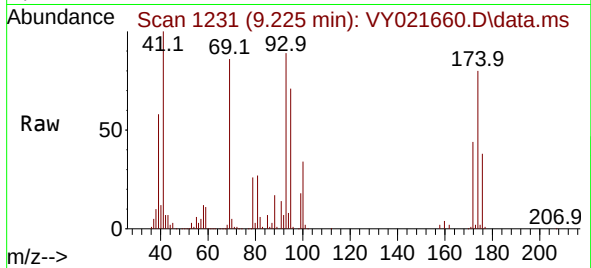




#49
1,4-Dioxane
Concen: 1922.485 ug/l
RT: 9.225 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

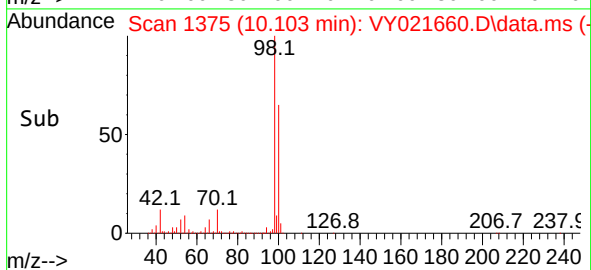
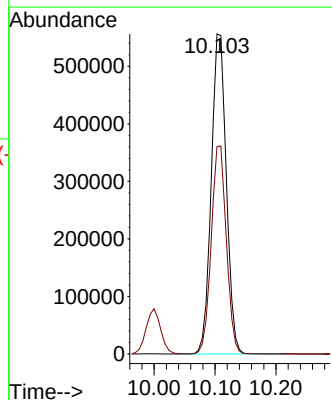
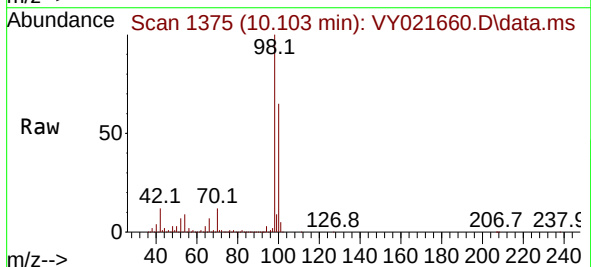
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

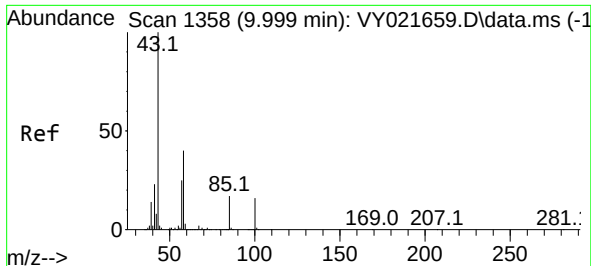
Tgt Ion: 88 Resp: 31647
Ion Ratio Lower Upper
88 100
43 34.7 28.8 43.2
58 65.5 59.4 89.2



#50
Toluene-d8
Concen: 101.480 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 98 Resp: 953346
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

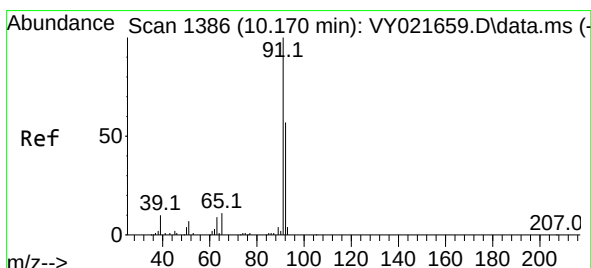
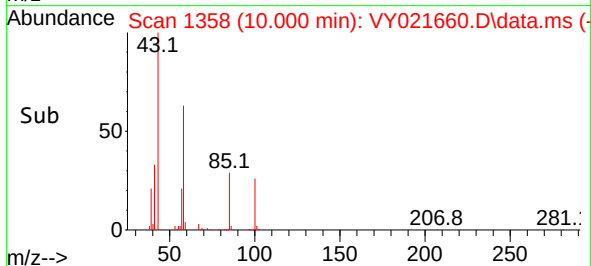
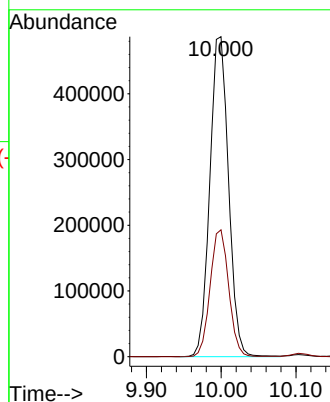
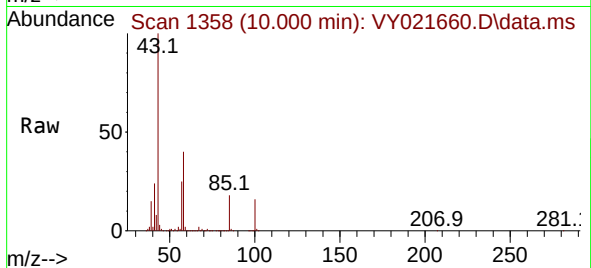




#51
4-Methyl-2-Pentanone
Concen: 483.331 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

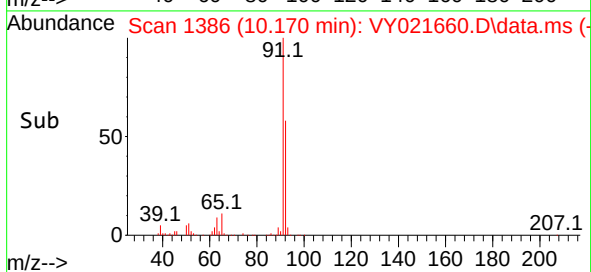
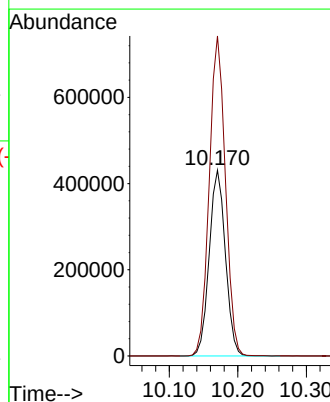
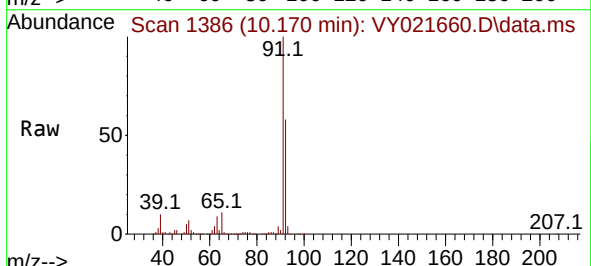
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

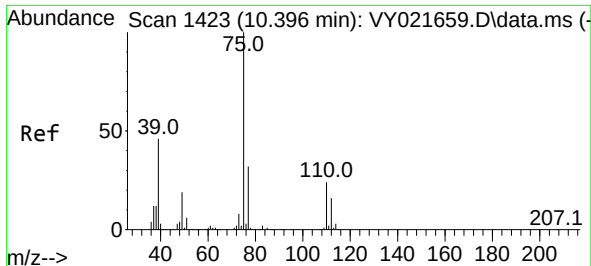
Tgt Ion: 43 Resp: 846126
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3



#52
Toluene
Concen: 100.486 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 92 Resp: 706197
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8

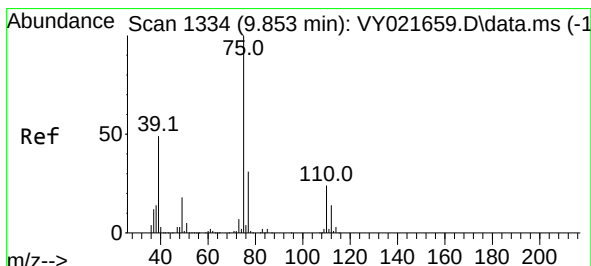
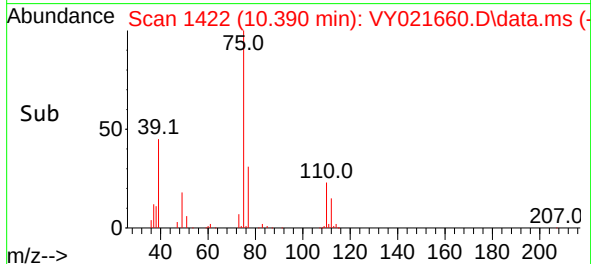
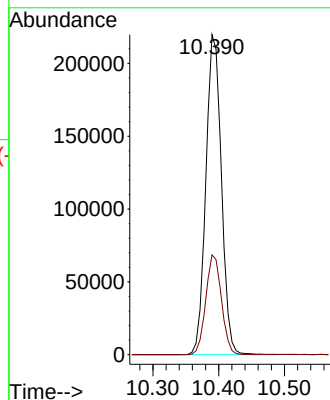
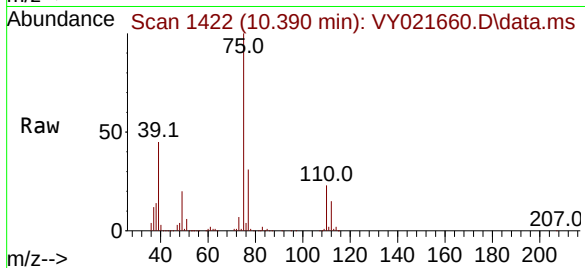




#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

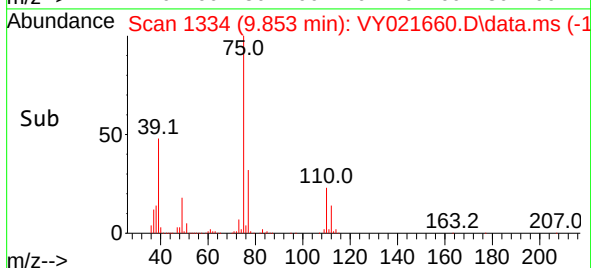
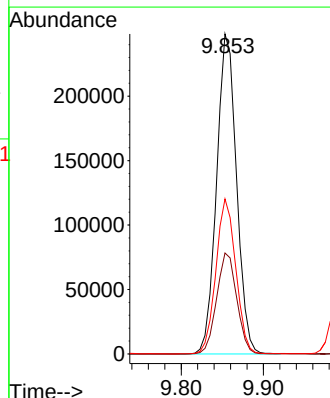
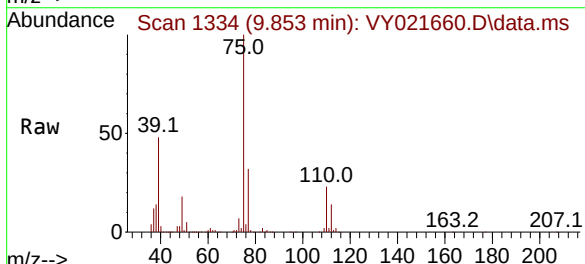
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

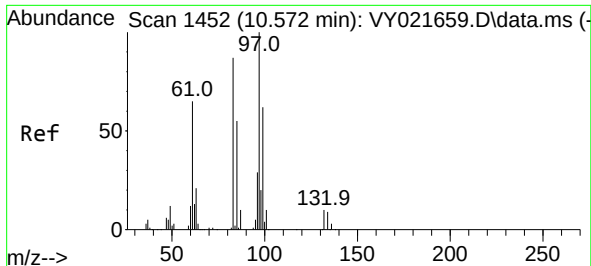
Tgt Ion: 75 Resp: 361283
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 100.208 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 418099
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.4 39.2 58.8

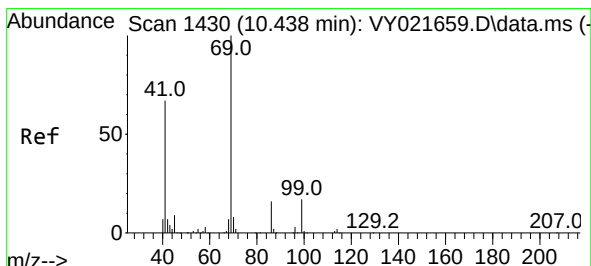
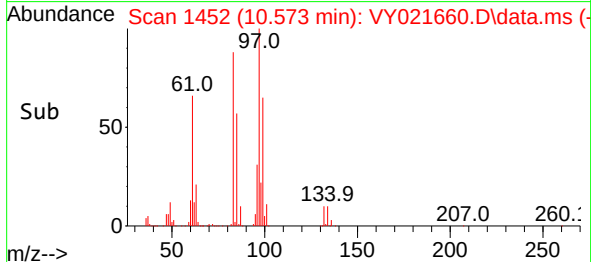
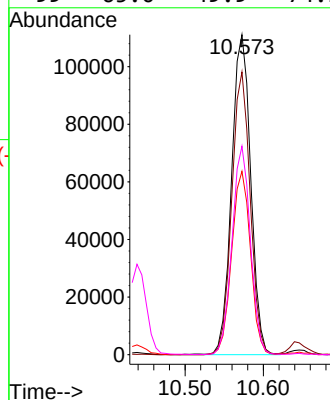
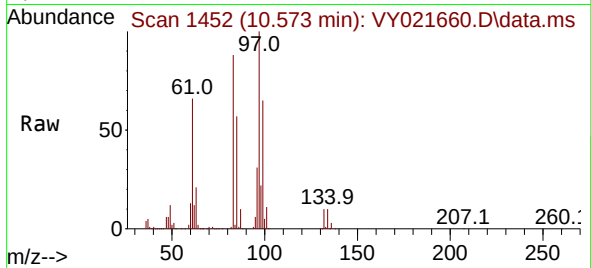




#55
1,1,2-Trichloroethane
Concen: 95.058 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

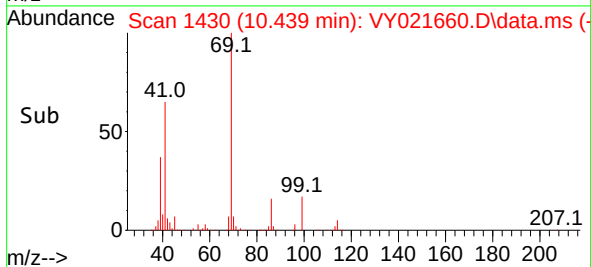
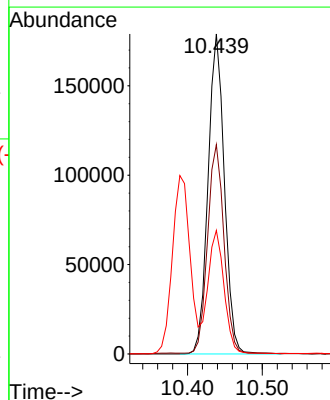
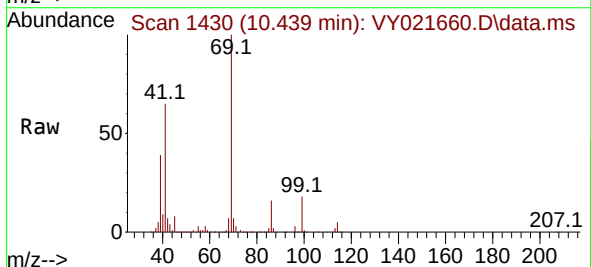
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

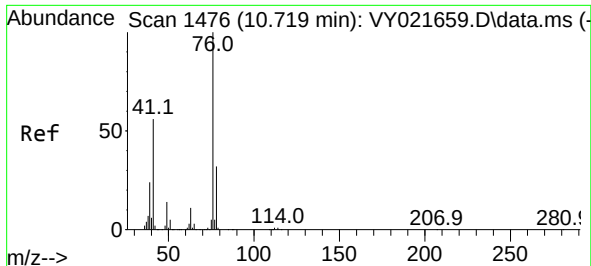
Tgt Ion: 97	Resp: 187977
Ion Ratio	Lower Upper
97 100	
83 88.3	69.5 104.3
85 57.3	43.9 65.9
99 65.0	49.9 74.9



#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 69	Resp: 271036
Ion Ratio	Lower Upper
69 100	
41 65.6	53.8 80.6
39 38.6	29.6 44.4





#57

1,3-Dichloropropane

Concen: 96.352 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

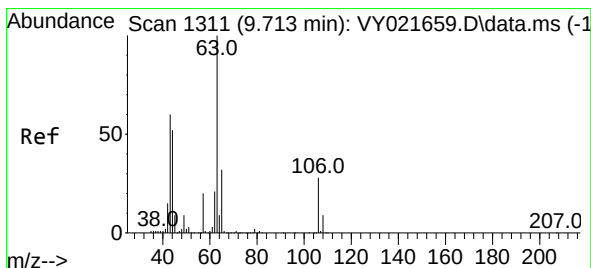
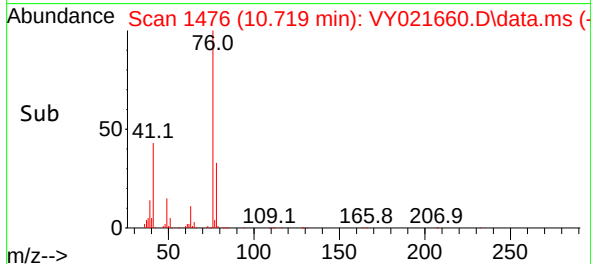
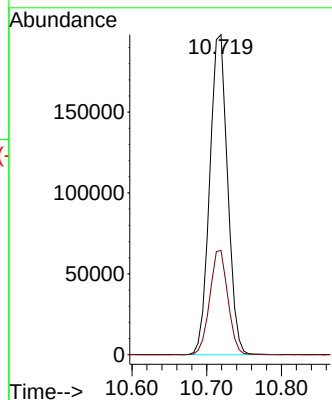
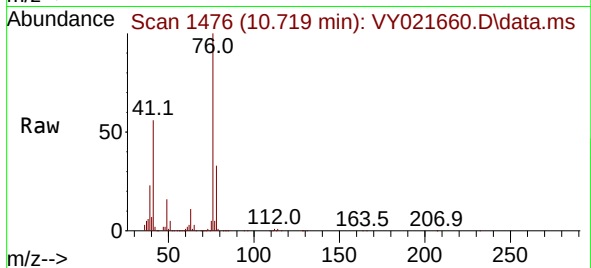
VSTDICC100

Tgt Ion: 76 Resp: 329063

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 534.142 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY021660.D

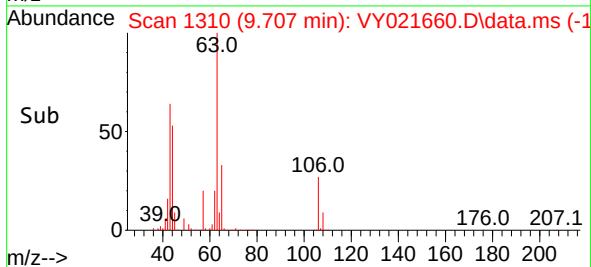
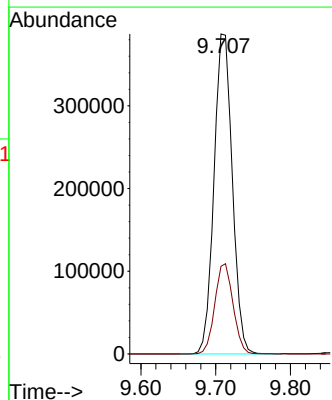
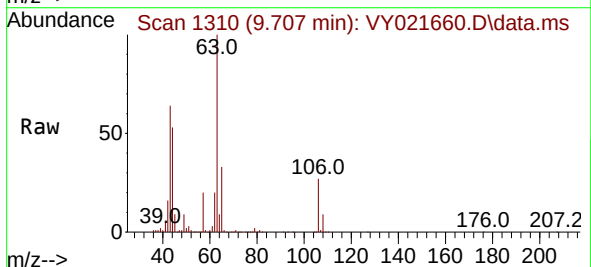
Acq: 27 Mar 2025 11:39

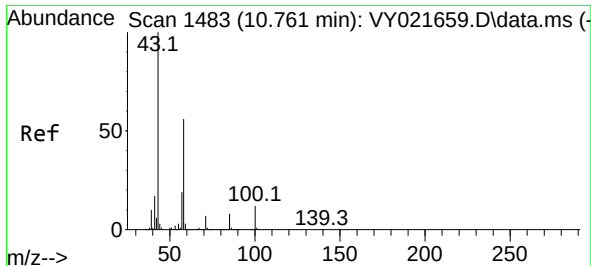
Tgt Ion: 63 Resp: 657953

Ion Ratio Lower Upper

63 100

106 28.1 22.4 33.6





#59

2-Hexanone

Concen: 484.686 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

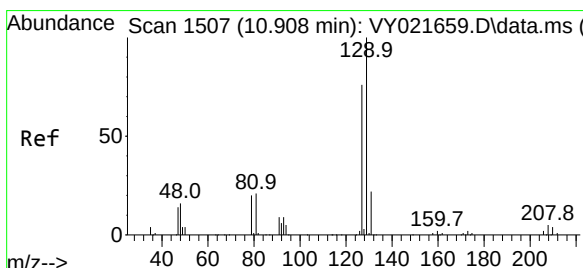
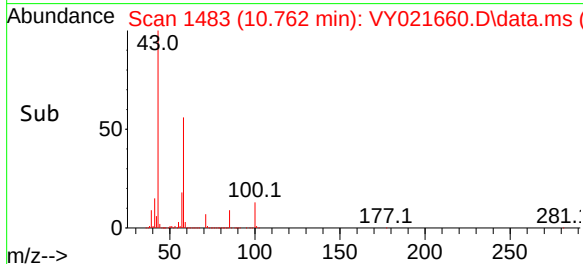
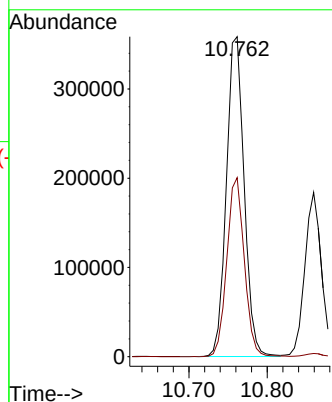
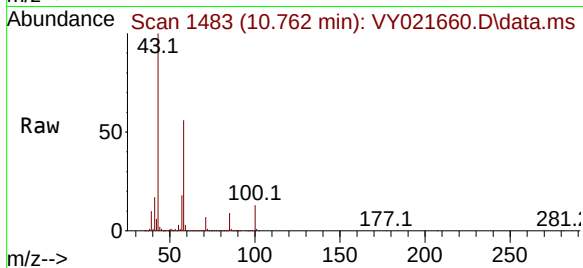
VSTDICC100

Tgt Ion: 43 Resp: 565086

Ion Ratio Lower Upper

43 100

58 55.2 27.2 81.5



#60

Dibromochloromethane

Concen: 98.207 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021660.D

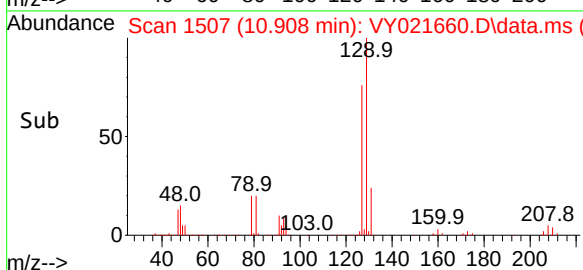
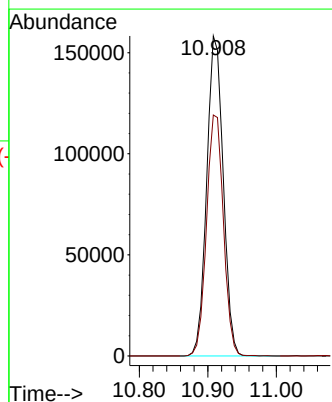
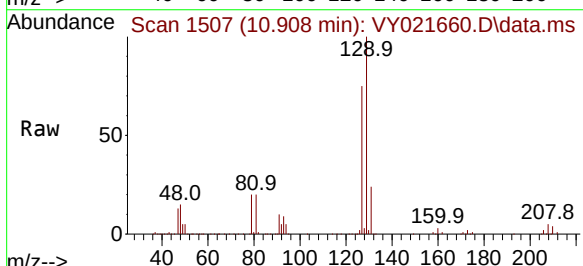
Acq: 27 Mar 2025 11:39

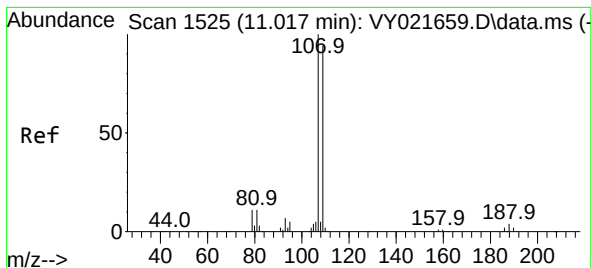
Tgt Ion:129 Resp: 265151

Ion Ratio Lower Upper

129 100

127 77.0 38.6 115.7

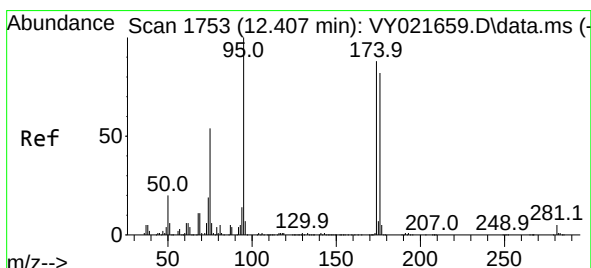
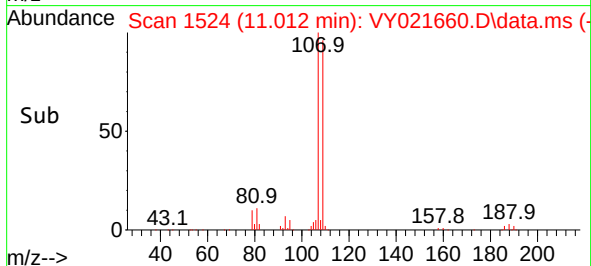
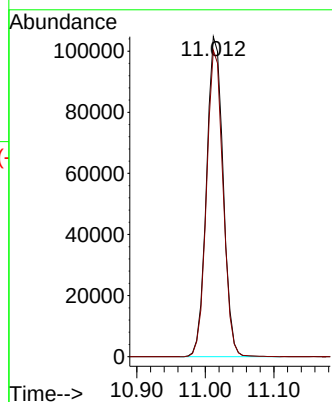
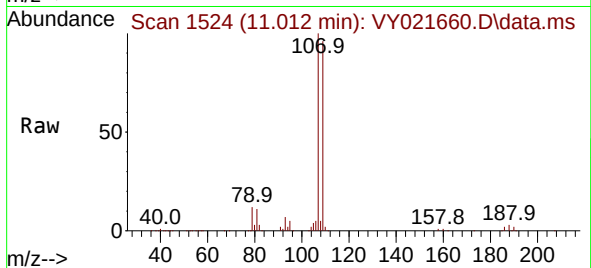




#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

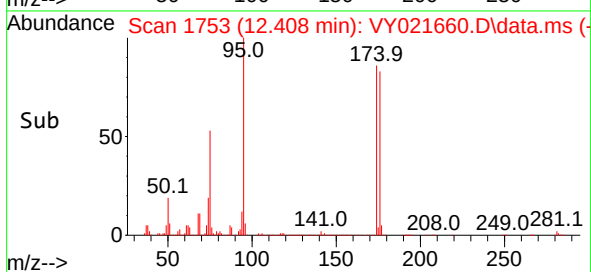
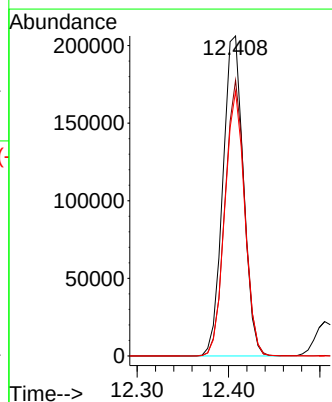
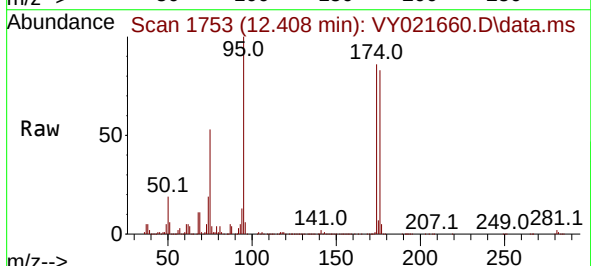
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

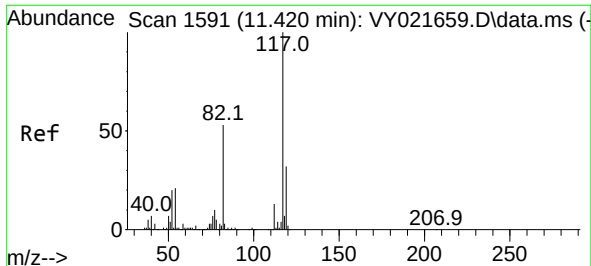
Tgt Ion:107 Resp: 177158
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 101.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 95 Resp: 322469
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 79.9 0.0 162.0

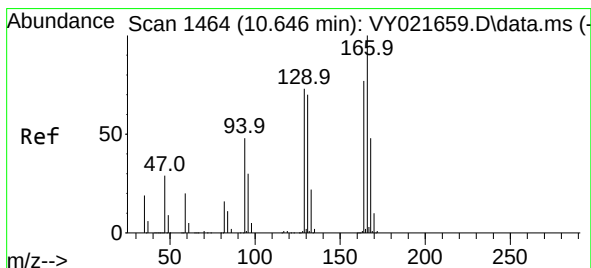
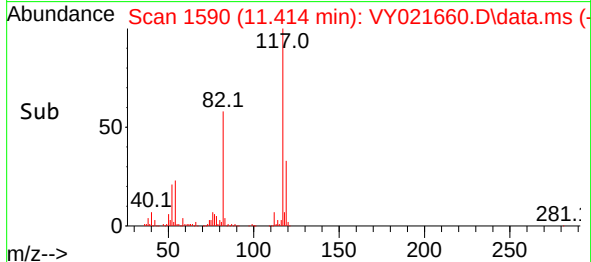
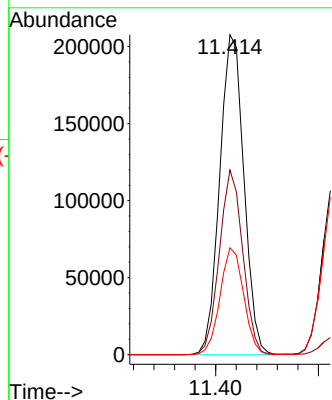
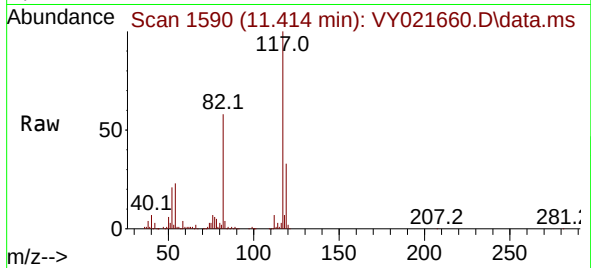




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

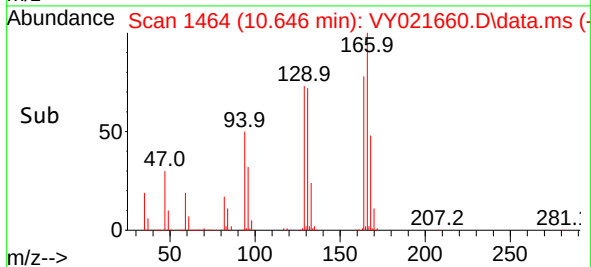
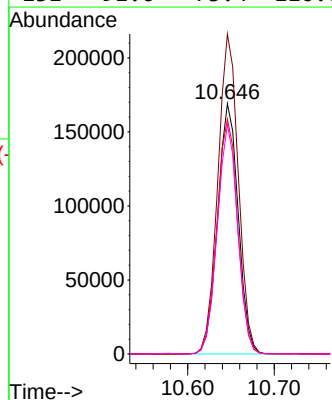
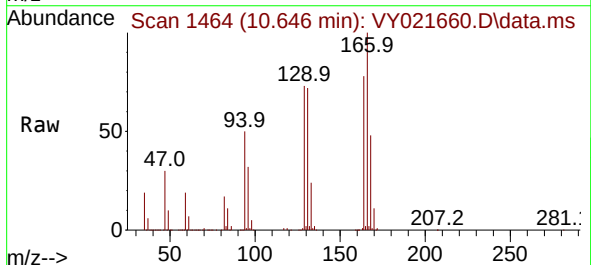
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

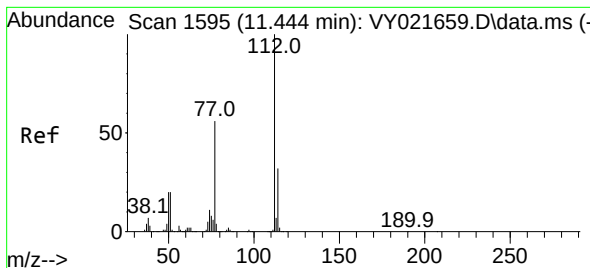
Tgt Ion:117 Resp: 339201
Ion Ratio Lower Upper
117 100
82 57.7 42.8 64.2
119 33.4 25.7 38.5



#64
Tetrachloroethene
Concen: 90.401 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:164 Resp: 279279
Ion Ratio Lower Upper
164 100
166 127.9 104.6 156.8
129 93.9 76.6 114.8
131 91.6 73.4 110.0





#65

Chlorobenzene

Concen: 97.381 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

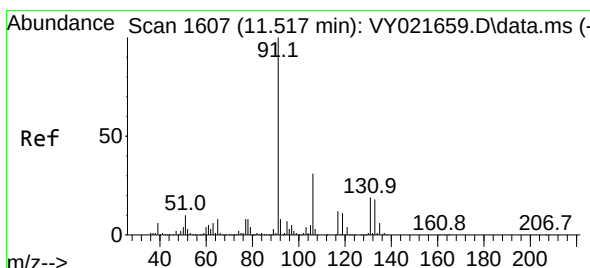
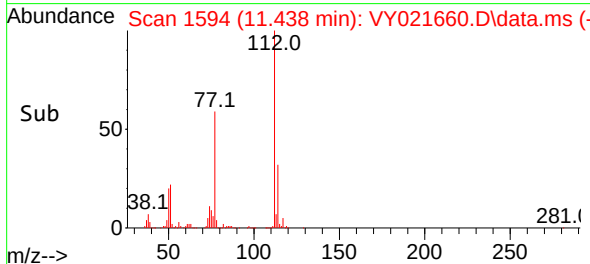
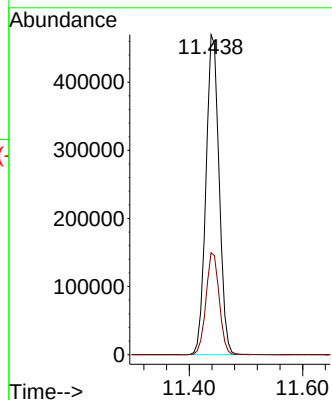
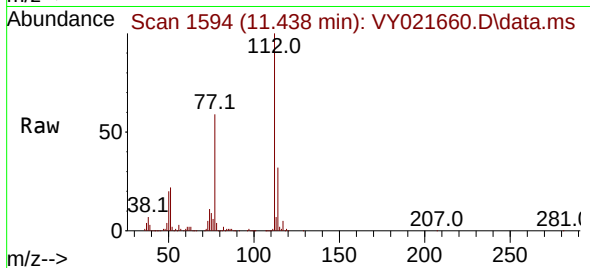
VSTDICC100

Tgt Ion:112 Resp: 757197

Ion Ratio Lower Upper

112 100

114 31.9 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 98.275 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

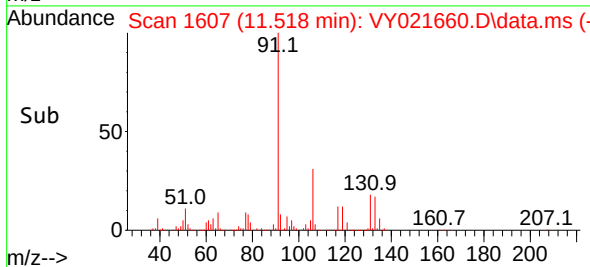
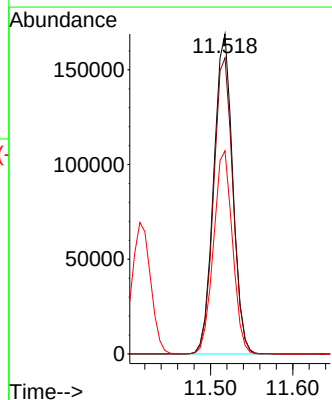
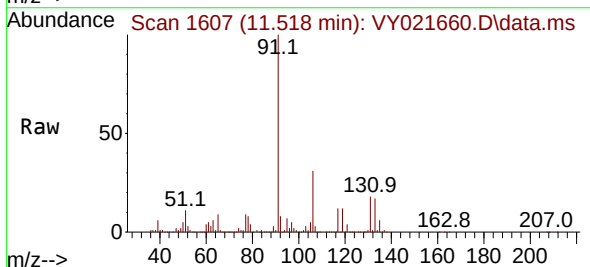
Tgt Ion:131 Resp: 271119

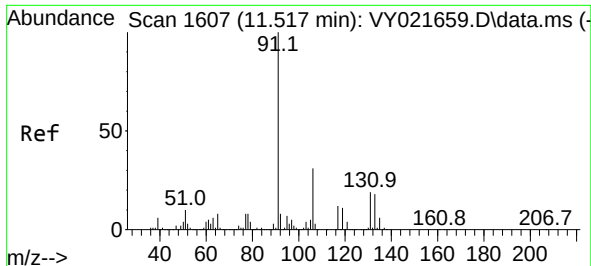
Ion Ratio Lower Upper

131 100

133 94.4 47.3 141.8

119 63.6 31.6 95.0





#67

Ethyl Benzene

Concen: 102.918 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

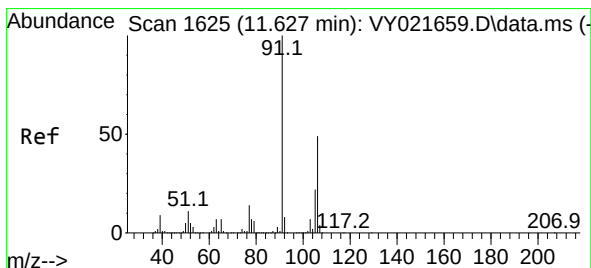
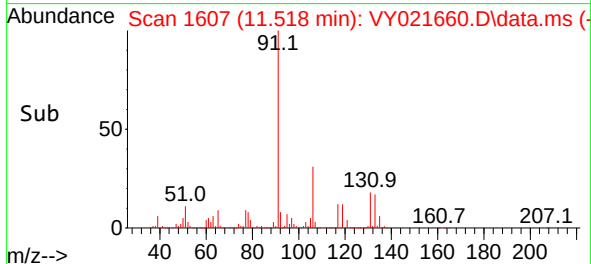
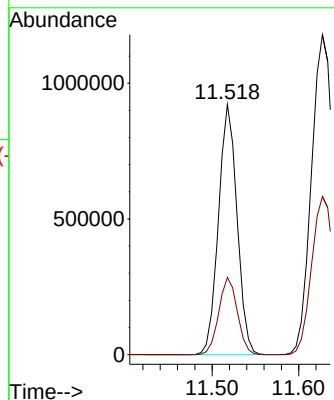
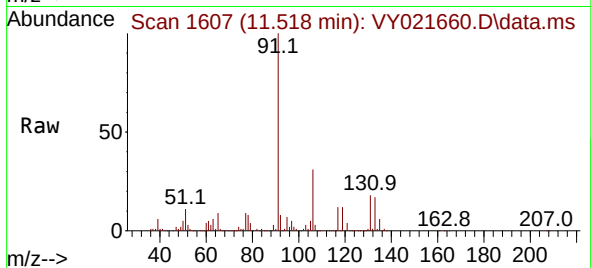
VSTDIC100

Tgt Ion: 91 Resp: 1372249

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 205.681 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021660.D

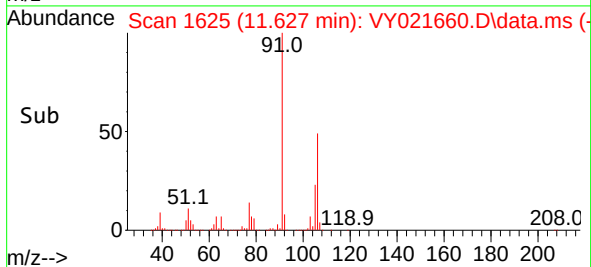
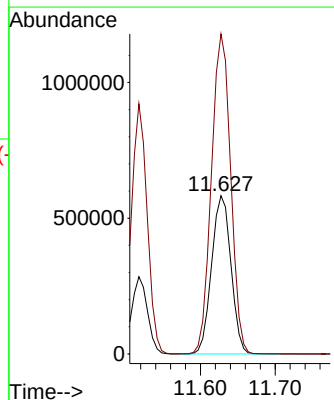
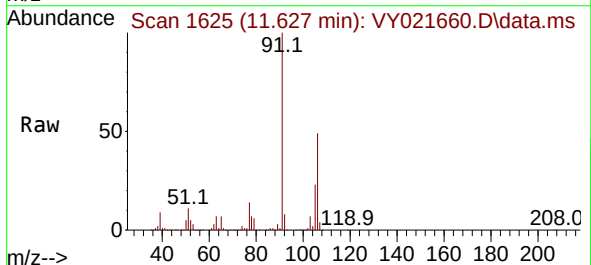
Acq: 27 Mar 2025 11:39

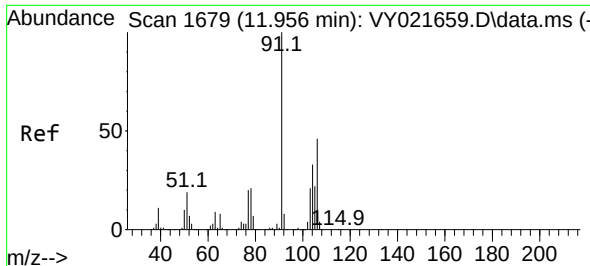
Tgt Ion:106 Resp: 1050156

Ion Ratio Lower Upper

106 100

91 201.4 162.4 243.6

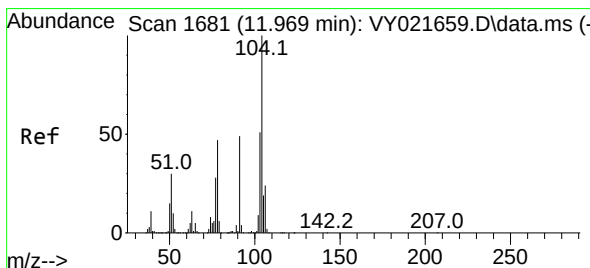
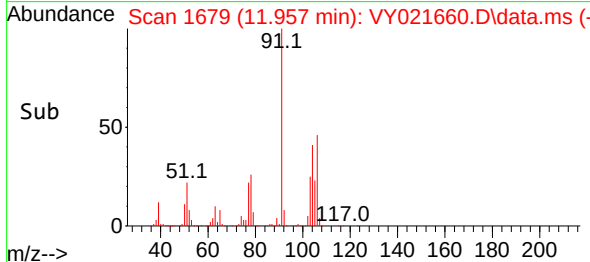
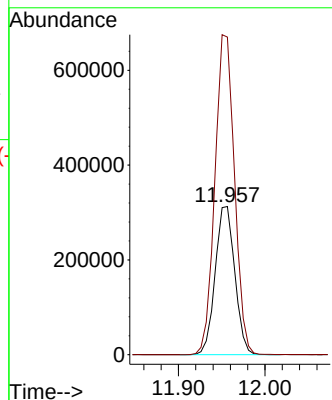
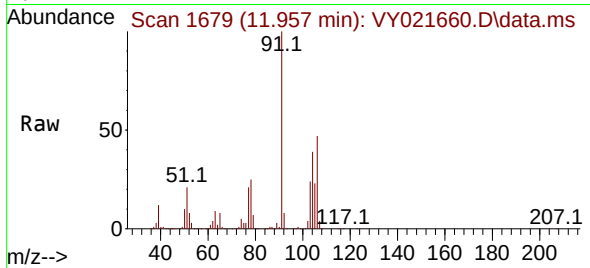




#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

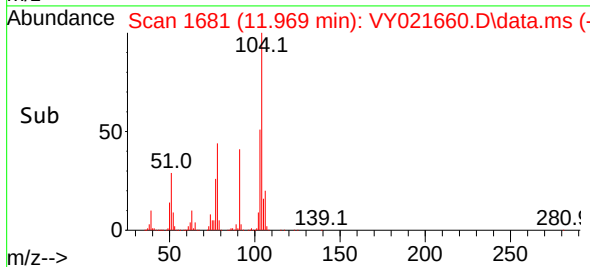
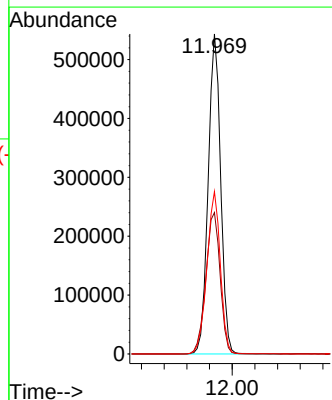
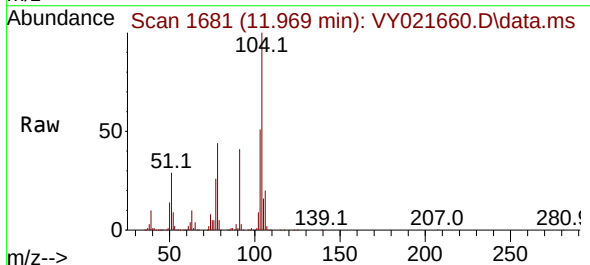
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

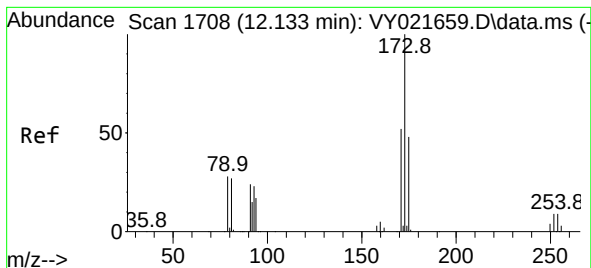
Tgt Ion:106 Resp: 491895
Ion Ratio Lower Upper
106 100
91 215.9 106.7 319.9



#70
Styrene
Concen: 106.098 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:104 Resp: 833734
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 54.6 44.2 66.2





#71

Bromoform

Concen: 97.024 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

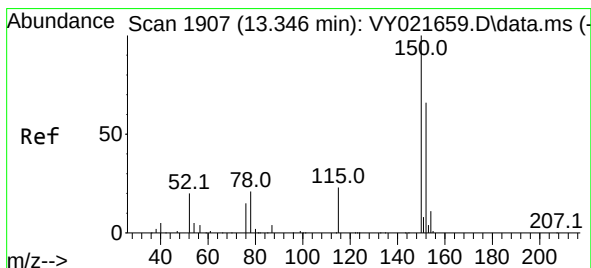
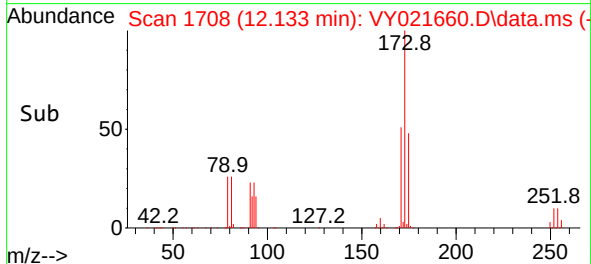
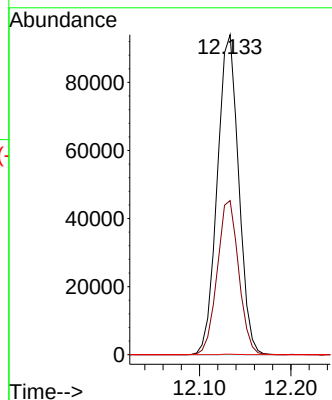
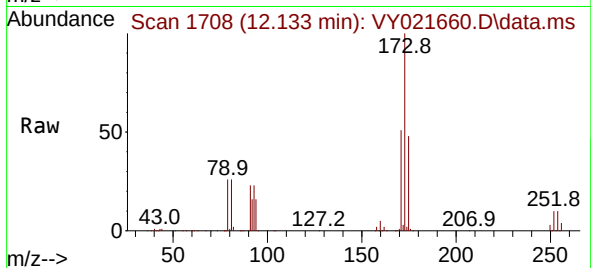
Tgt Ion:173 Resp: 152683

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

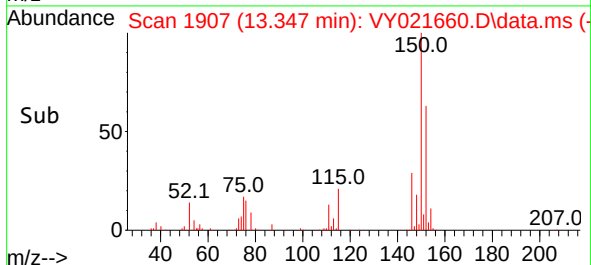
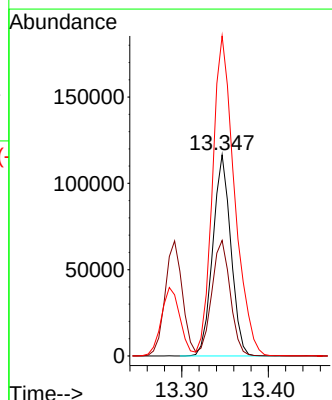
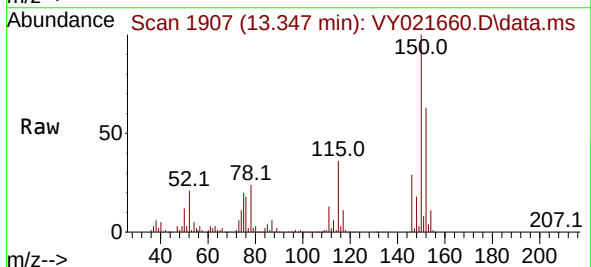
Tgt Ion:152 Resp: 168901

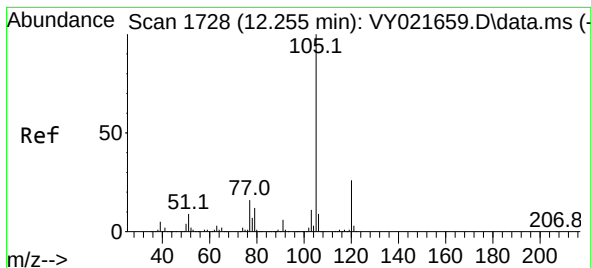
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 193.6 0.0 348.4





#73

Isopropylbenzene

Concen: 103.486 ug/l

RT: 12.255 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

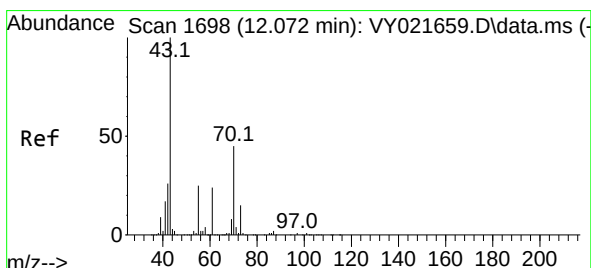
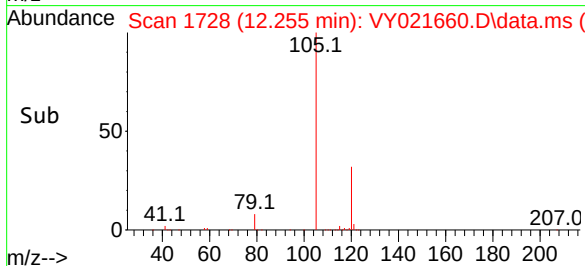
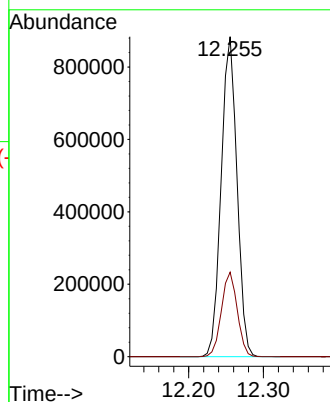
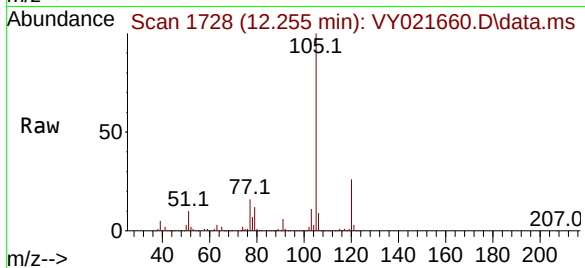
VSTDICC100

Tgt Ion:105 Resp: 1298221

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 103.027 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 303328

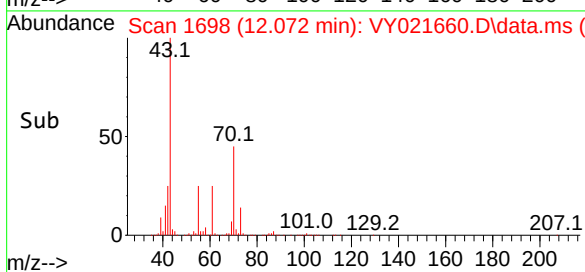
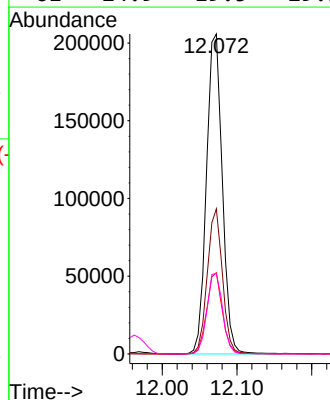
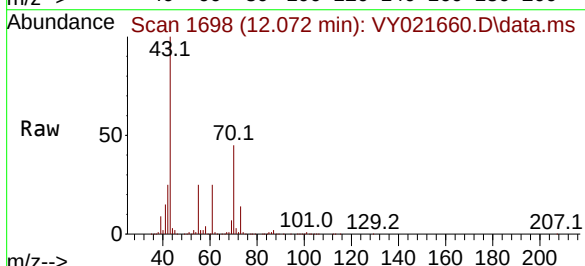
Ion Ratio Lower Upper

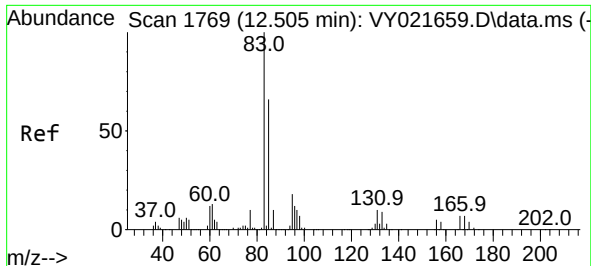
43 100

70 43.3 34.7 52.1

55 25.1 21.2 31.8

61 24.9 19.5 29.3

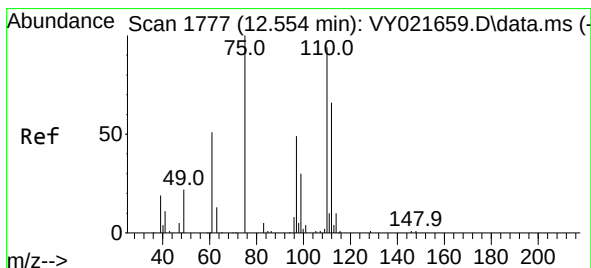
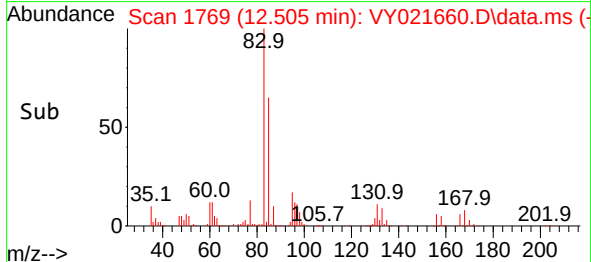
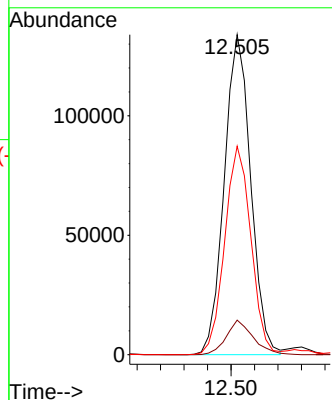
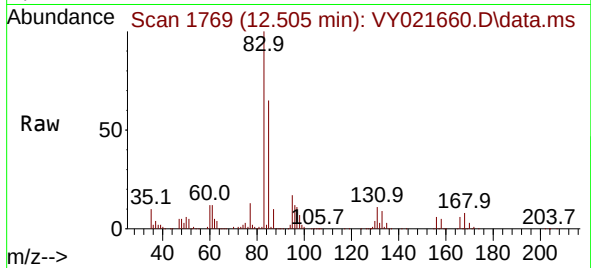




#75
1,1,2,2-Tetrachloroethane
Concen: 92.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

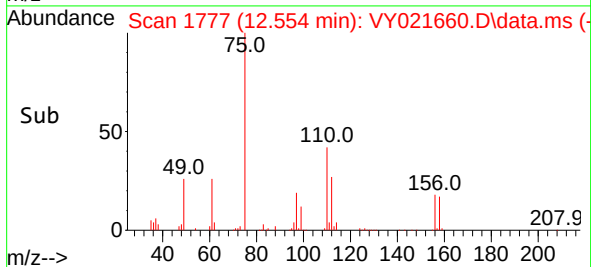
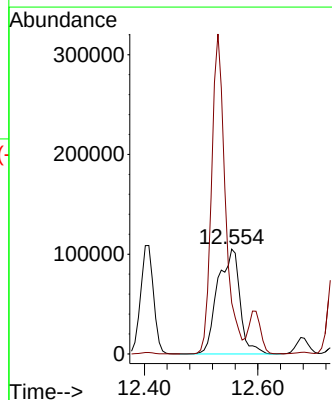
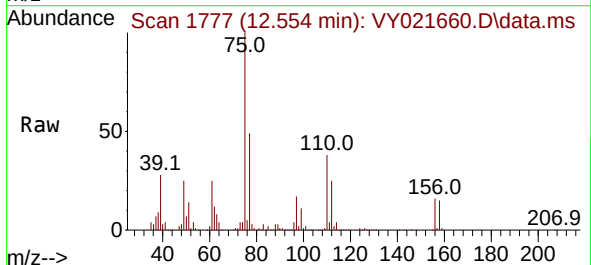
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

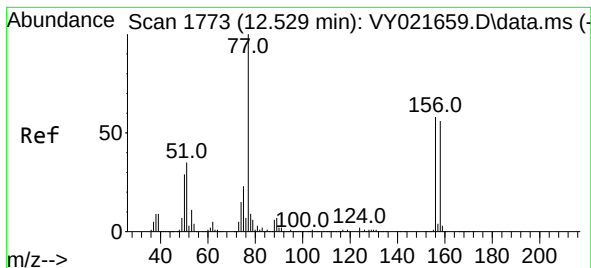
Tgt Ion: 83 Resp: 209094
Ion Ratio Lower Upper
83 100
131 10.9 5.1 15.3
85 64.7 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 170.792 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 285947
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 99.323 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

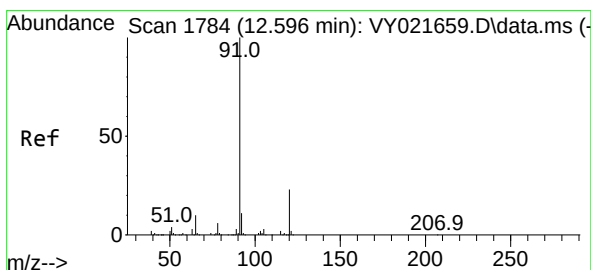
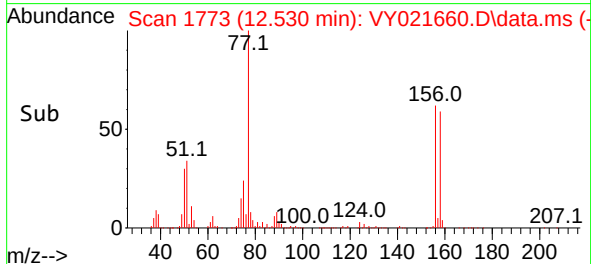
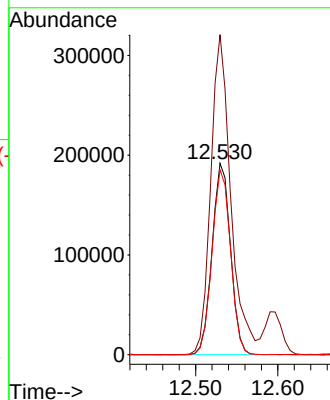
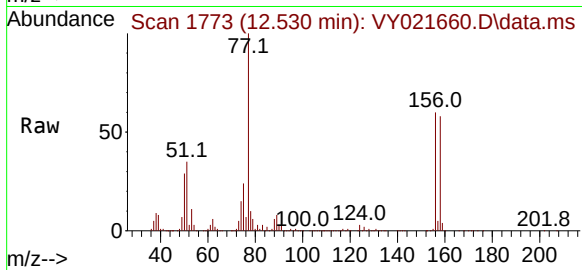
Tgt Ion:156 Resp: 299163

Ion Ratio Lower Upper

156 100

77 181.1 92.8 278.3

158 96.8 48.5 145.6



#78

n-propylbenzene

Concen: 103.290 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021660.D

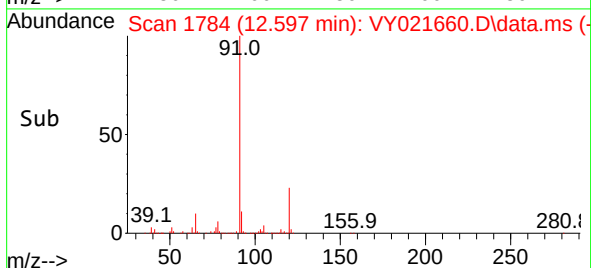
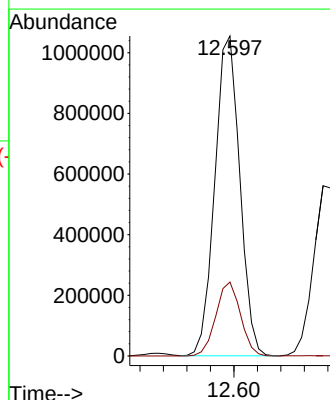
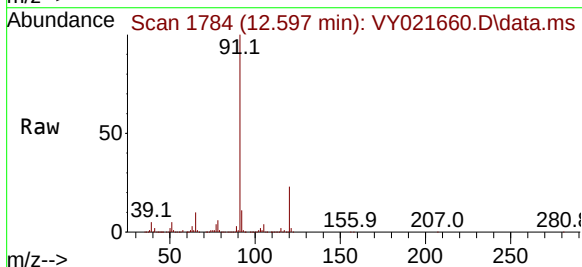
Acq: 27 Mar 2025 11:39

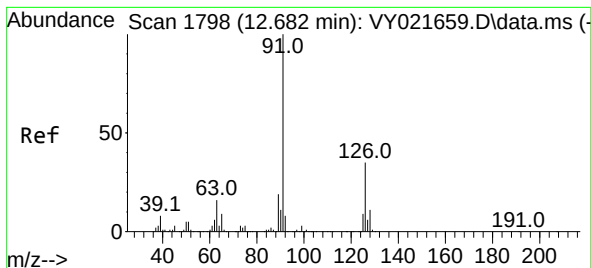
Tgt Ion: 91 Resp: 1557825

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.9

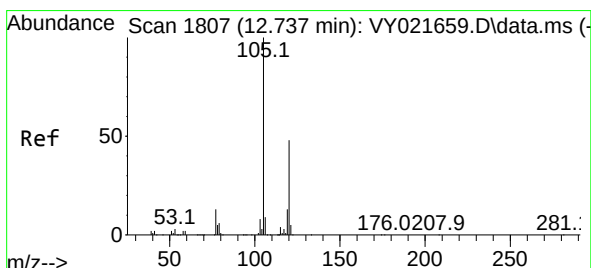
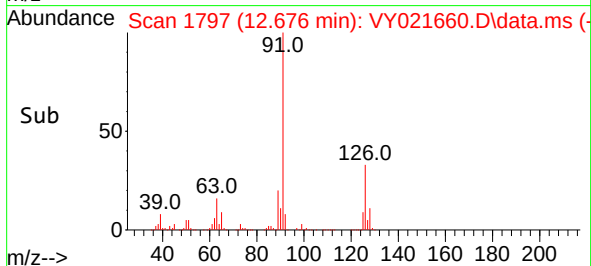
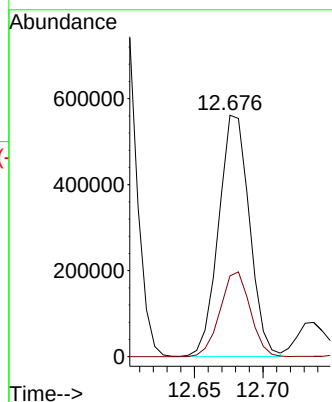
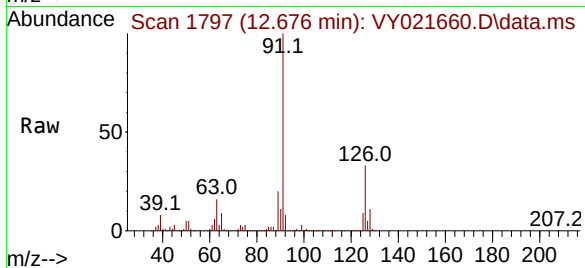




#79
2-Chlorotoluene
Concen: 100.382 ug/l
RT: 12.676 min Scan# 1798
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

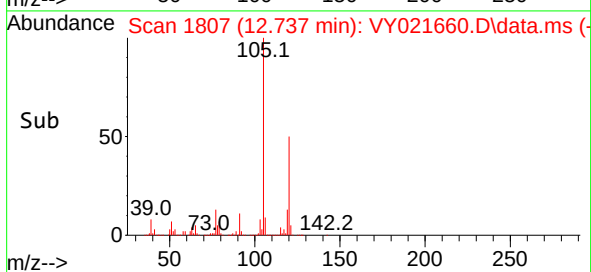
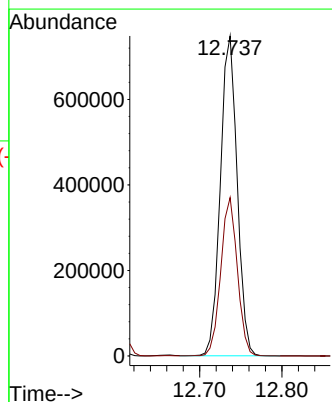
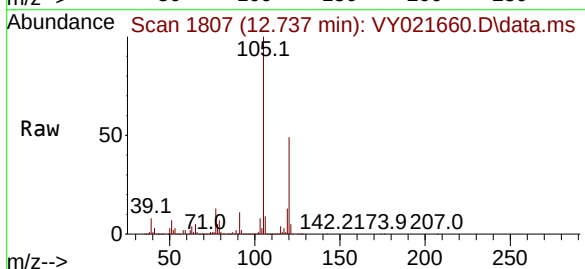
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

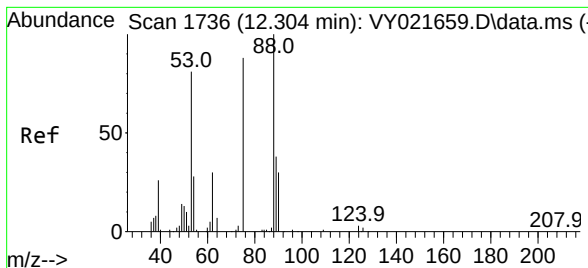
Tgt Ion: 91 Resp: 879334
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 103.480 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 105 Resp: 1060963
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5

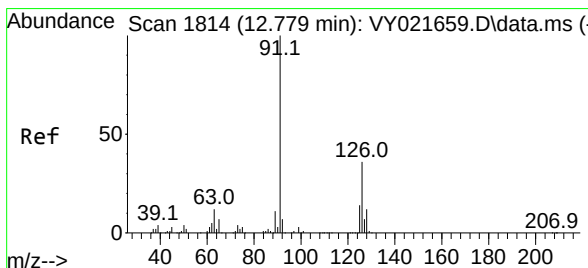
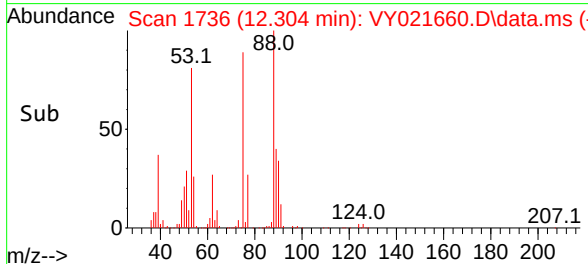
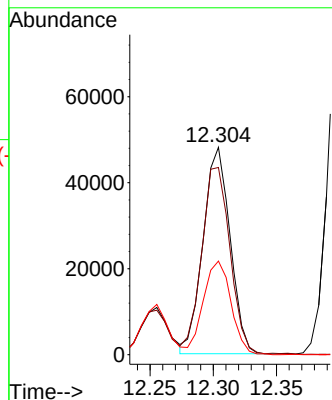
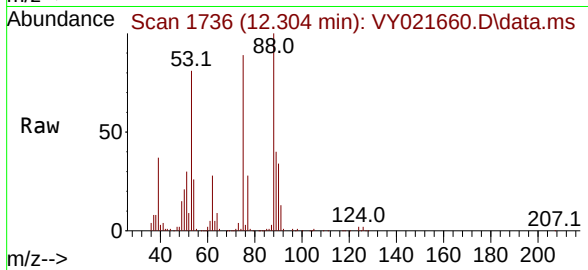




#81
trans-1,4-Dichloro-2-butene
Concen: 98.330 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

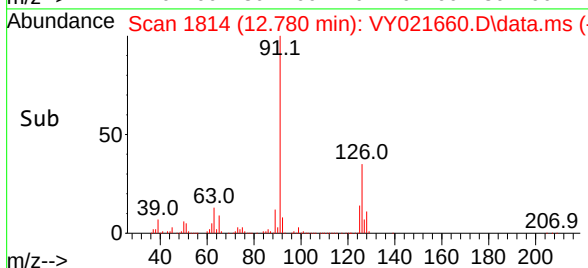
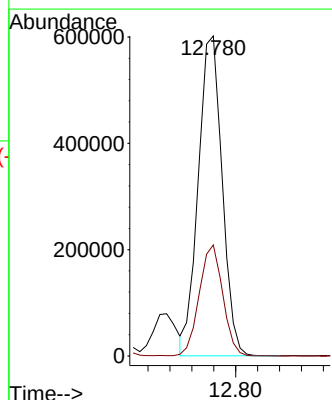
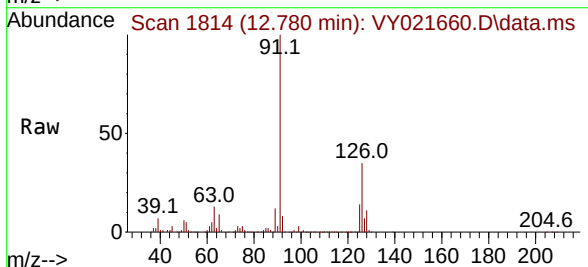
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

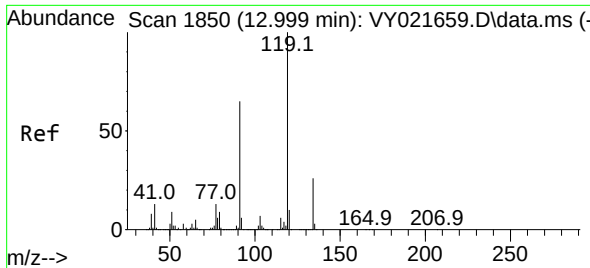
Tgt Ion: 75 Resp: 71448
Ion Ratio Lower Upper
75 100
53 95.8 76.1 114.1
89 46.1 36.2 54.4



#82
4-Chlorotoluene
Concen: 99.676 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 910295
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9

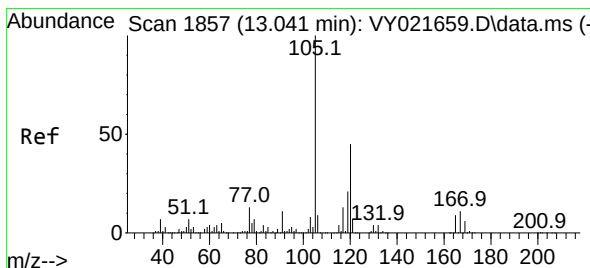
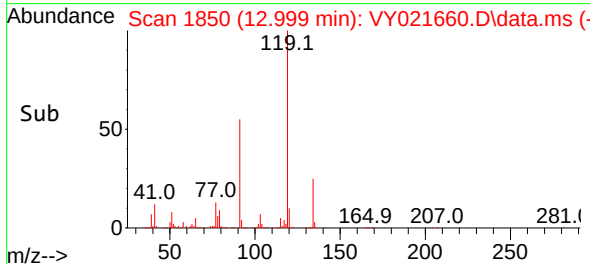
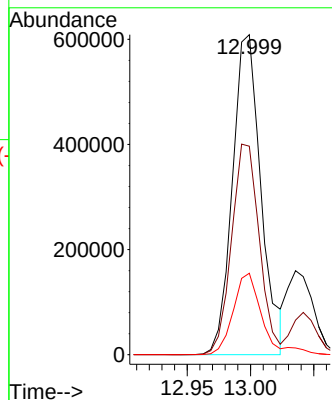
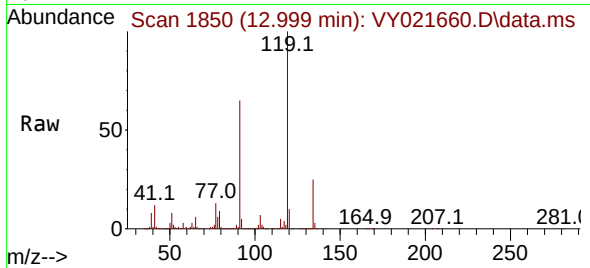




#83
tert-Butylbenzene
Concen: 104.762 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

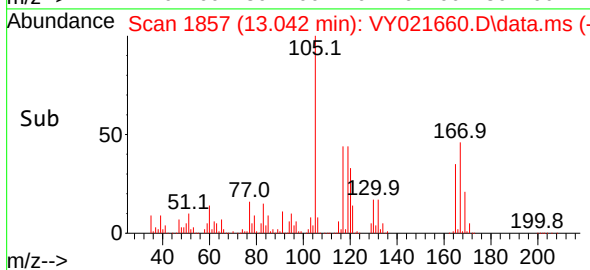
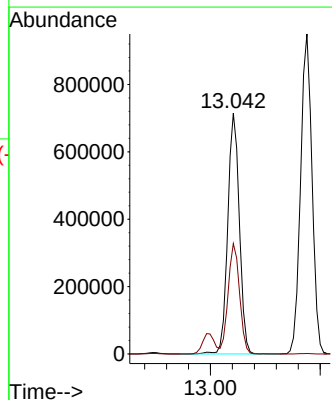
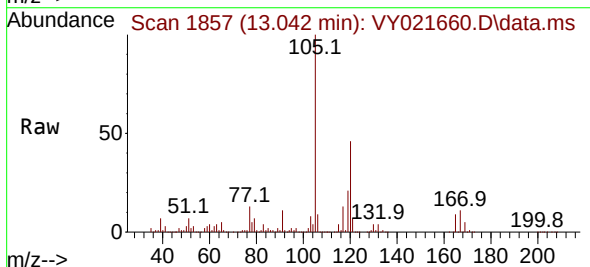
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

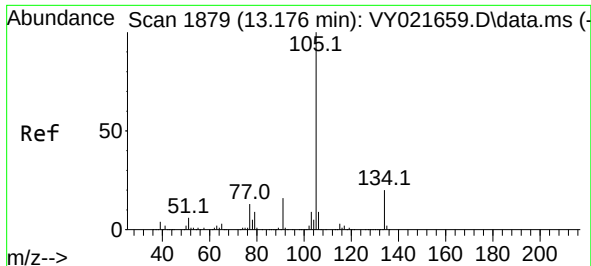
Tgt Ion:119 Resp: 956705
Ion Ratio Lower Upper
119 100
91 64.2 32.6 97.7
134 25.8 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 103.880 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1052663
Ion Ratio Lower Upper
105 100
120 45.1 22.7 68.1

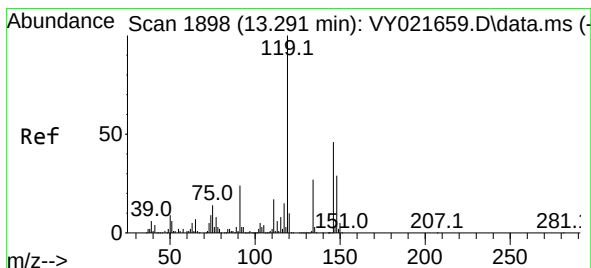
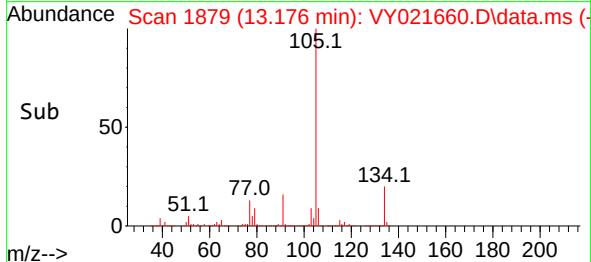
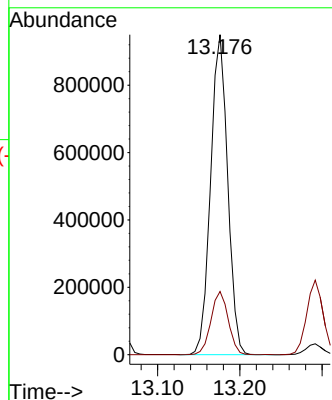
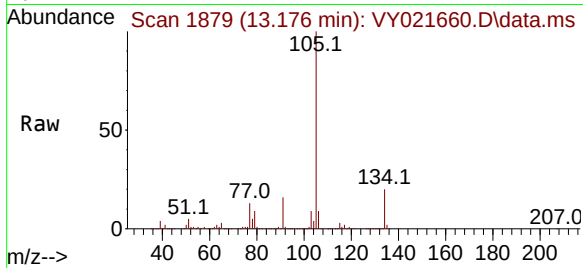




#85
 sec-Butylbenzene
 Concen: 102.624 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

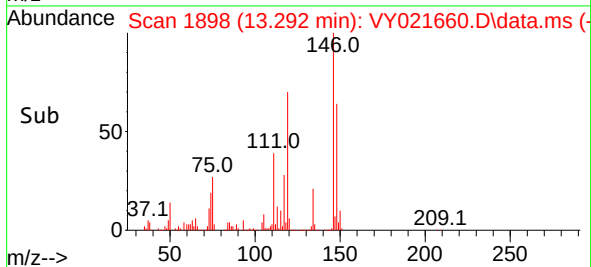
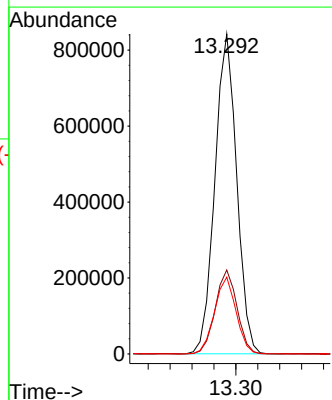
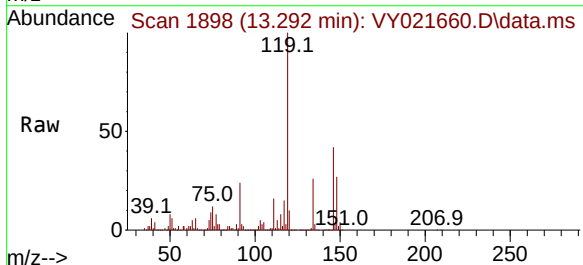
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

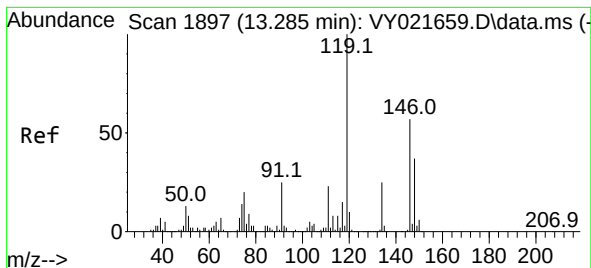
Tgt Ion:105 Resp: 1369601
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 105.509 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021660.D
 Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 1163796
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 98.384 ug/l

RT: 13.286 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

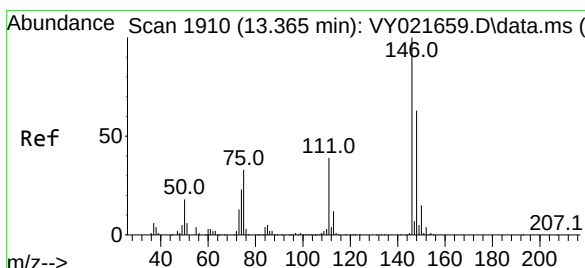
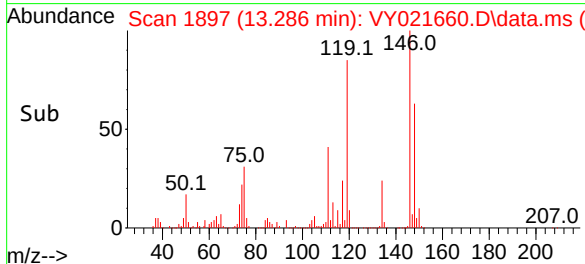
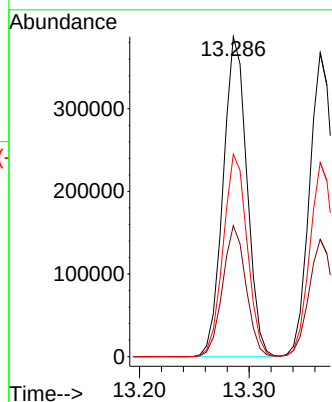
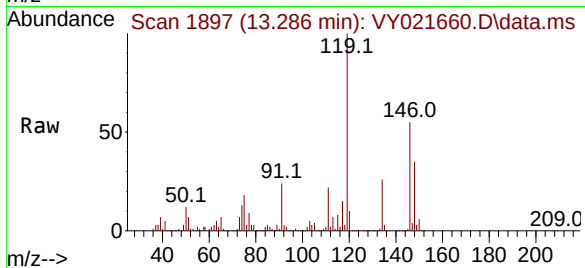
Tgt Ion:146 Resp: 583838

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

148 63.9 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 96.416 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

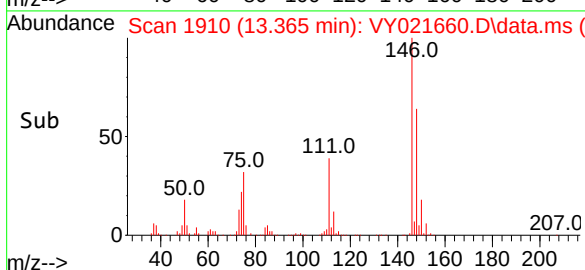
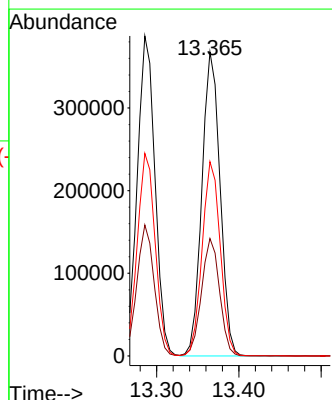
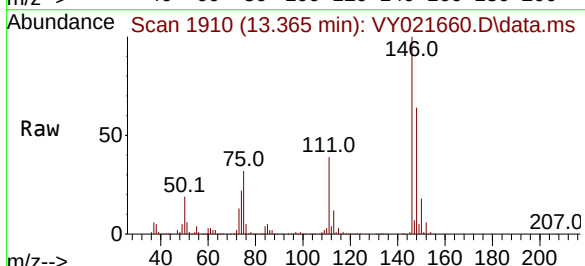
Tgt Ion:146 Resp: 565293

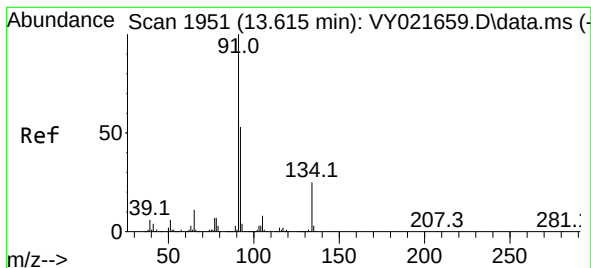
Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 104.828 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

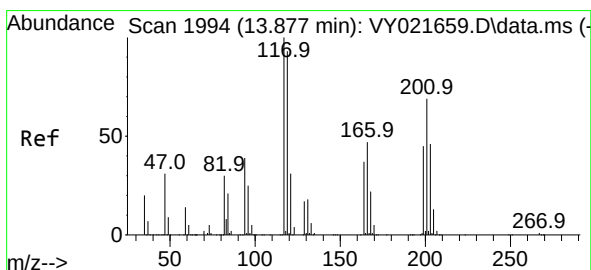
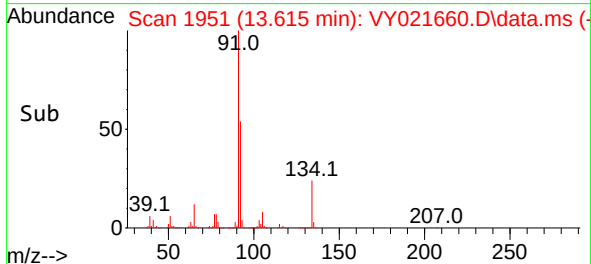
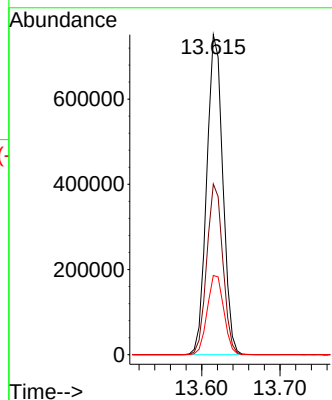
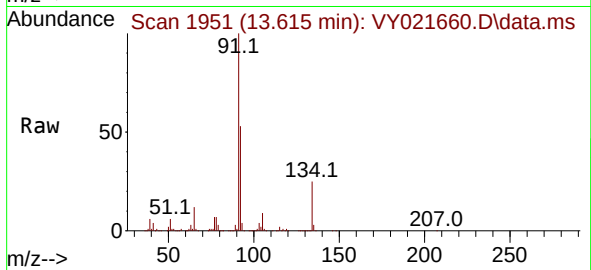
MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1069356

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.6	12.8	38.4



#90

Hexachloroethane

Concen: 99.078 ug/l

RT: 13.877 min Scan# 1994

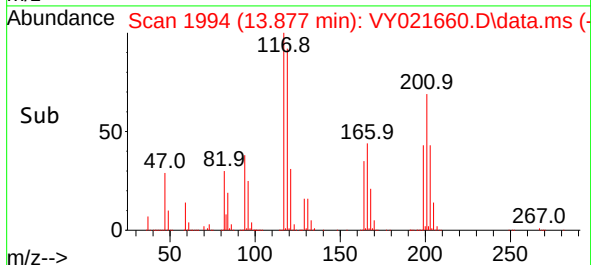
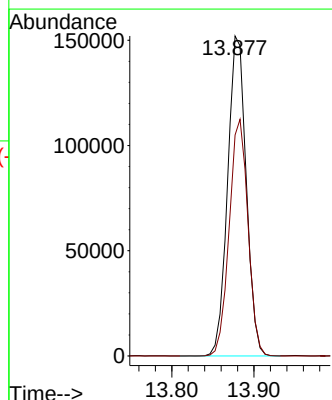
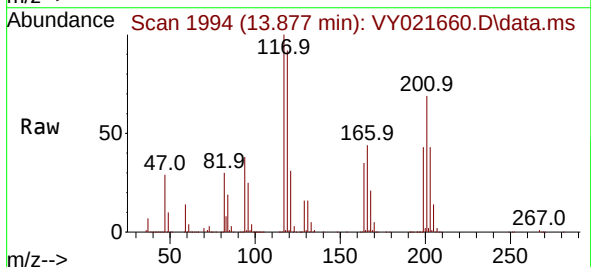
Delta R.T. 0.000 min

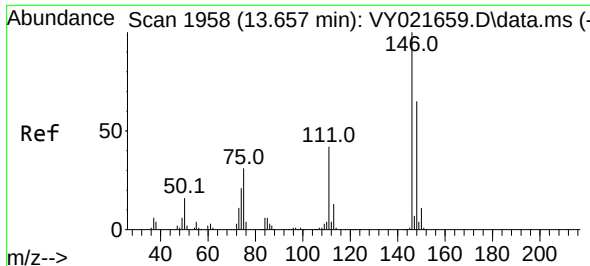
Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Tgt Ion: 117 Resp: 239487

Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.4	112.1





#91

1,2-Dichlorobenzene

Concen: 97.186 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

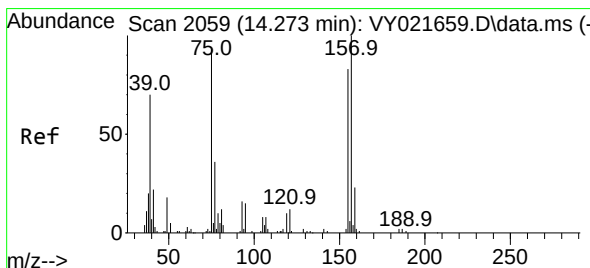
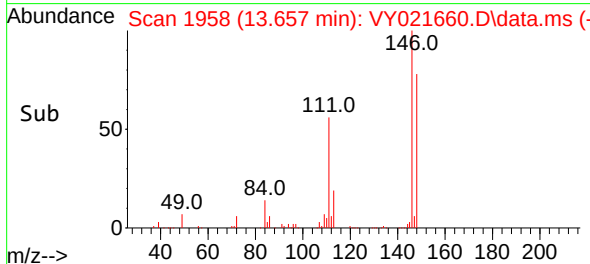
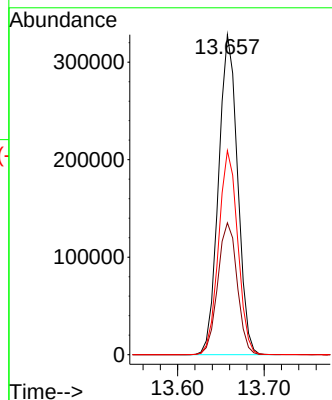
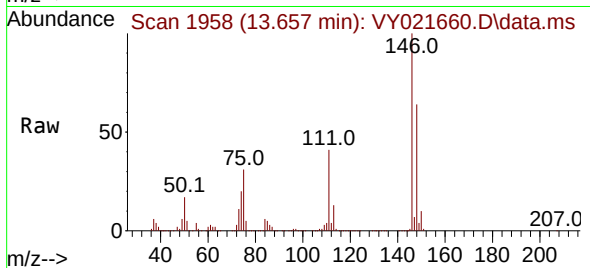
Tgt Ion:146 Resp: 502045

Ion Ratio Lower Upper

146 100

111 42.0 20.7 62.1

148 64.0 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 93.136 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

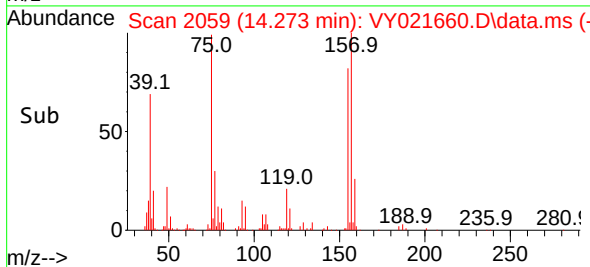
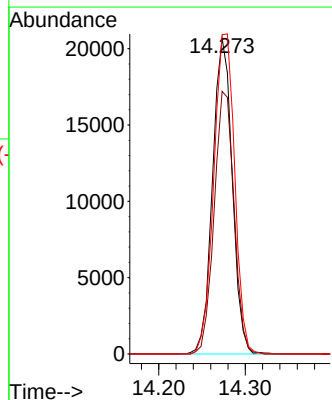
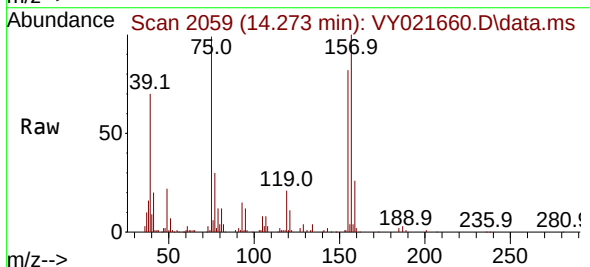
Tgt Ion: 75 Resp: 32558

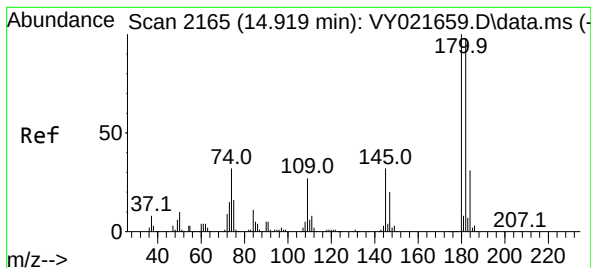
Ion Ratio Lower Upper

75 100

155 84.2 43.0 128.8

157 107.9 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 104.943 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

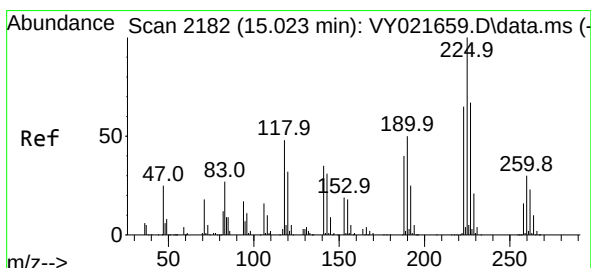
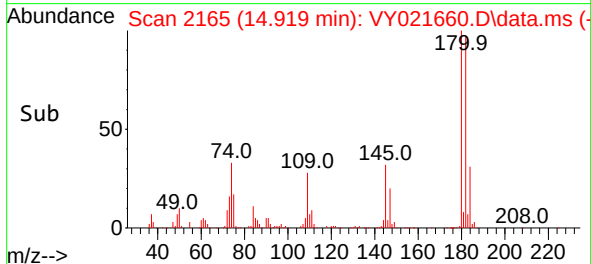
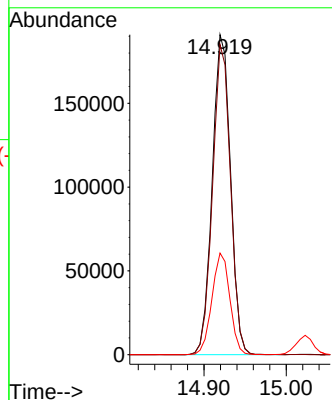
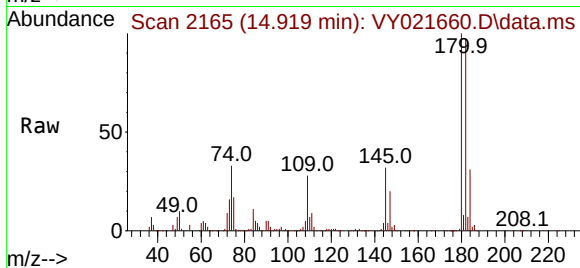
Tgt Ion:180 Resp: 293988

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 31.2 14.9 44.9



#94

Hexachlorobutadiene

Concen: 98.829 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

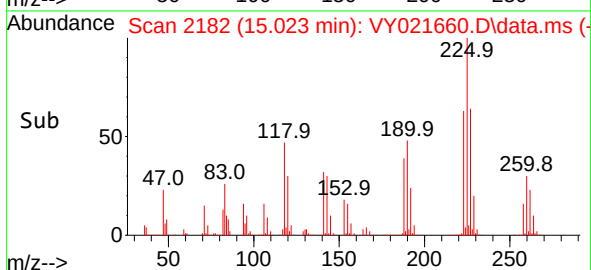
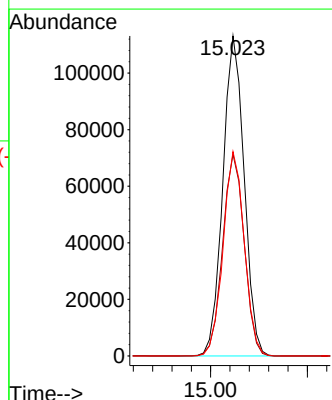
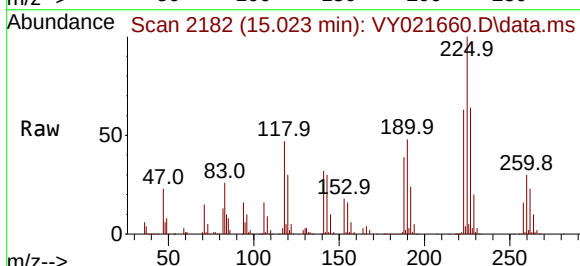
Tgt Ion:225 Resp: 172909

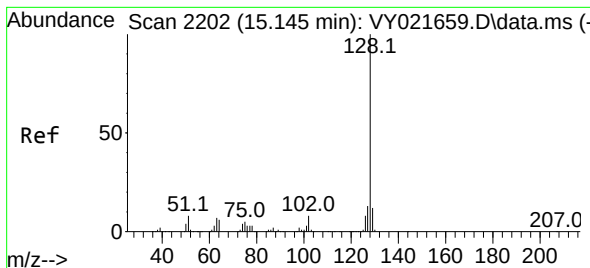
Ion Ratio Lower Upper

225 100

223 63.7 31.9 95.7

227 63.5 32.4 97.0

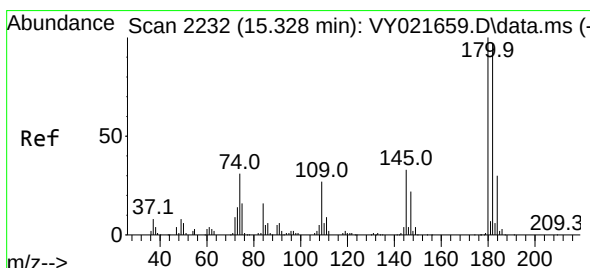
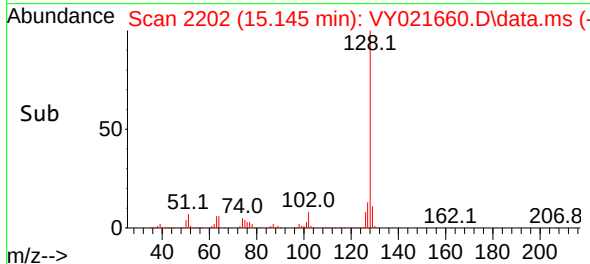
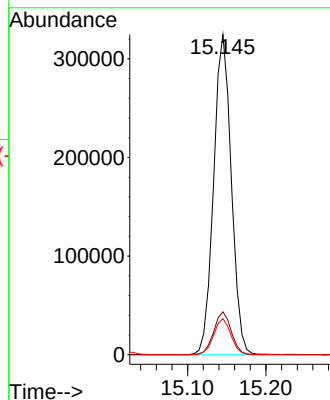
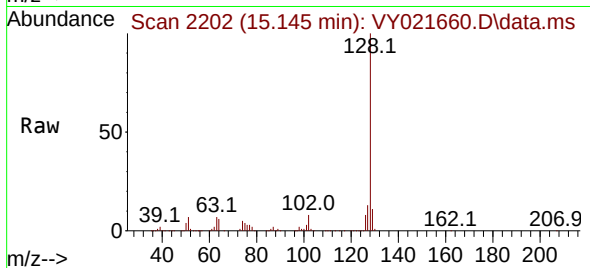




#95
Naphthalene
Concen: 109.498 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

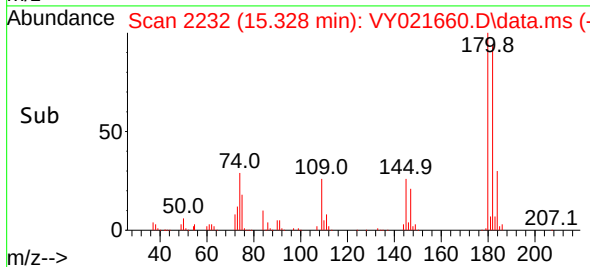
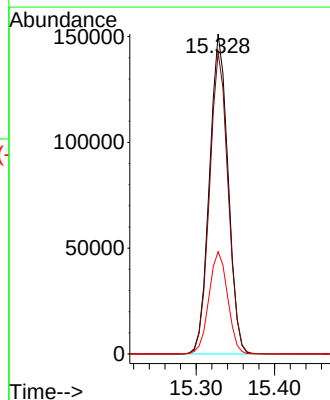
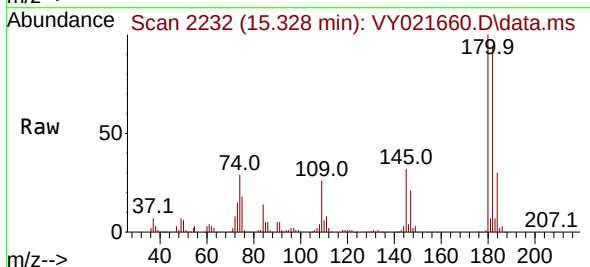
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 508449
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 104.158 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:180 Resp: 248821
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.5
145 32.1 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 287.860%#	
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 289.720%#	
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 292.040%#	
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 292.540%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l	100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l #	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l	99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l	99
46) Dibromomethane	9.231	93	228287	137.167	ug/l	98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l	98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l	99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l	100
52) Toluene	10.170	92	1094229	143.758	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l	99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l	98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l	100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l	99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l	99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l	98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l	98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l	100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l	100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l	100
69) o-Xylene	11.957	106	764721	149.852	ug/l	98
70) Styrene	11.969	104	1300778	152.877	ug/l	99
71) Bromoform	12.133	173	244045	143.224	ug/l #	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l	99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	459355	261.385	ug/l #	100
77) Bromobenzene	12.530	156	461221	145.881	ug/l	99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l	100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l	99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l	100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l	100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l	99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l	99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l	99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l	99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l	98
95) Naphthalene	15.145	128	859499	176.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

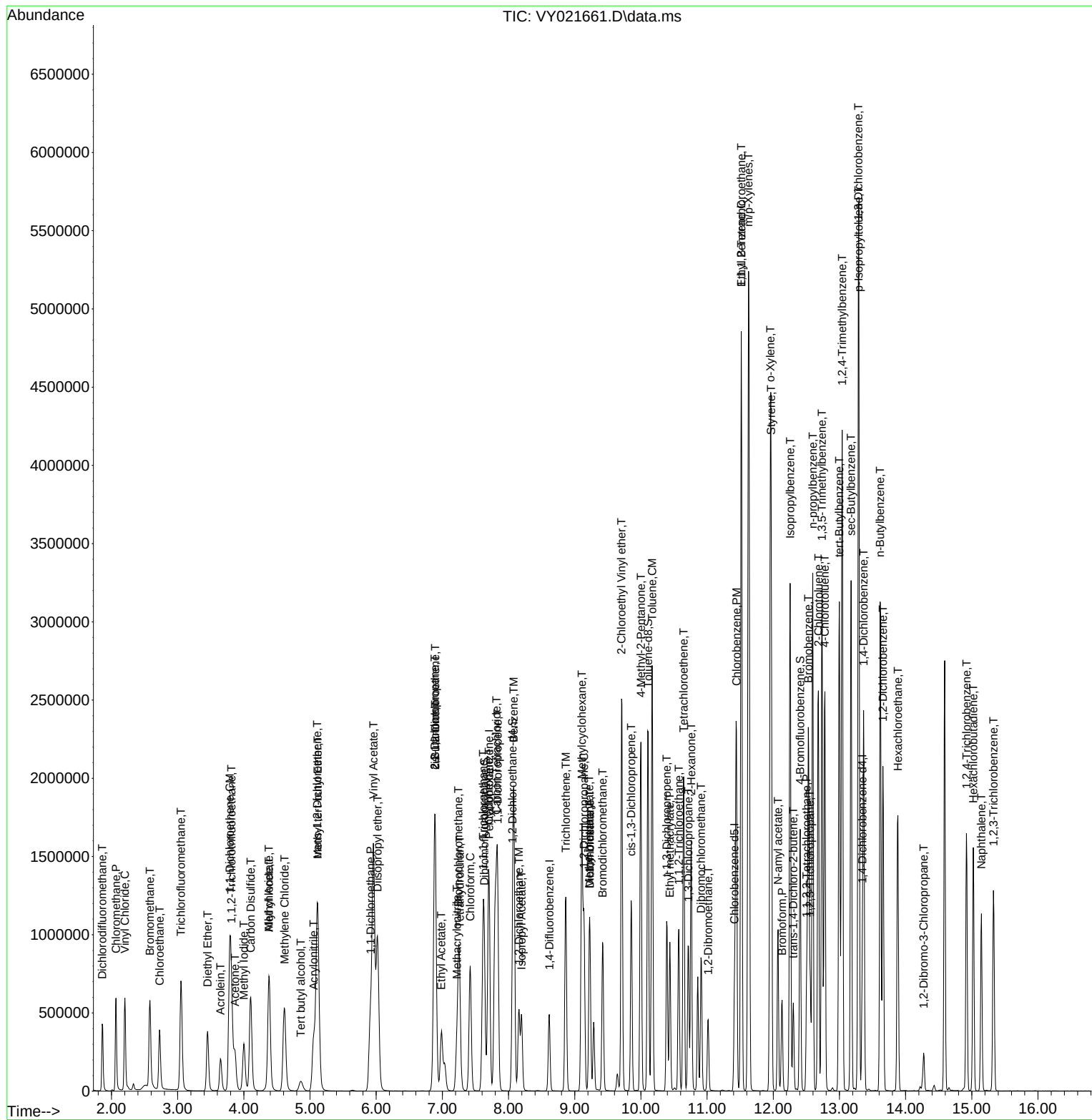
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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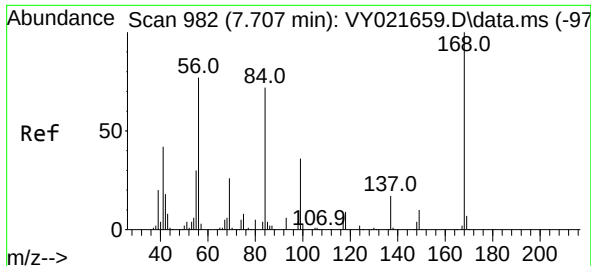
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDIC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

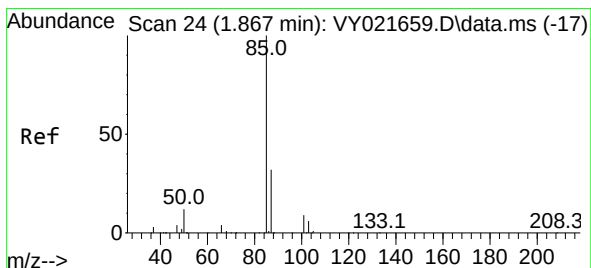
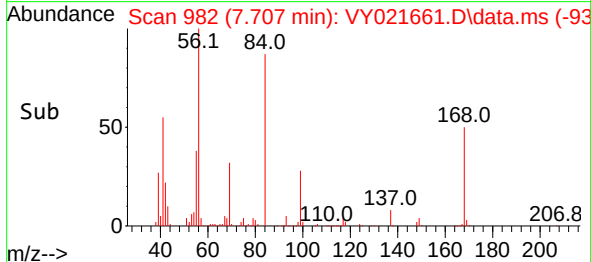
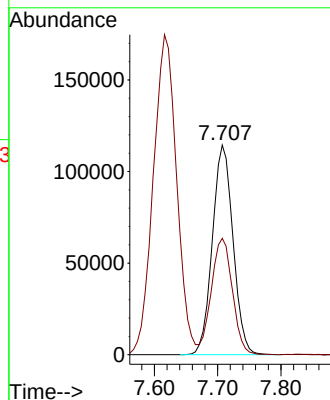
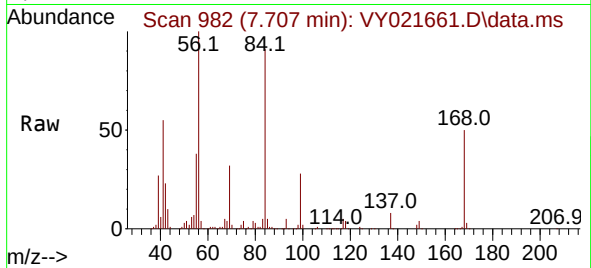




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

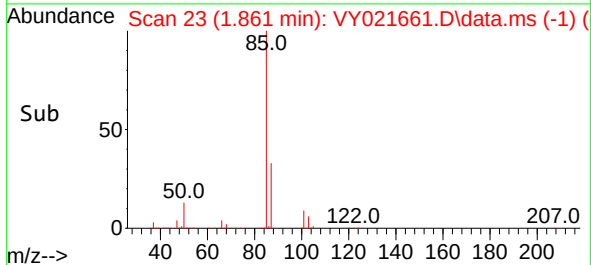
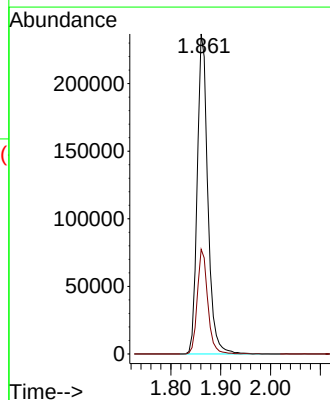
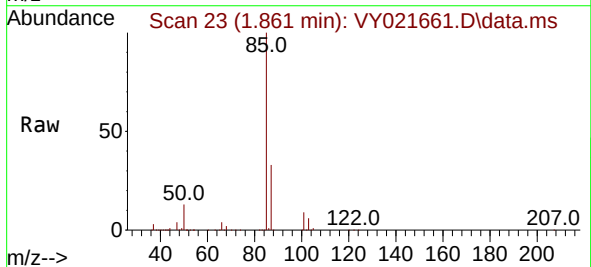
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

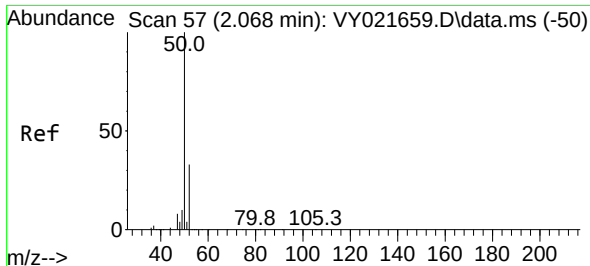
Tgt Ion:168 Resp: 259676
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 129.414 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 85 Resp: 348314
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6

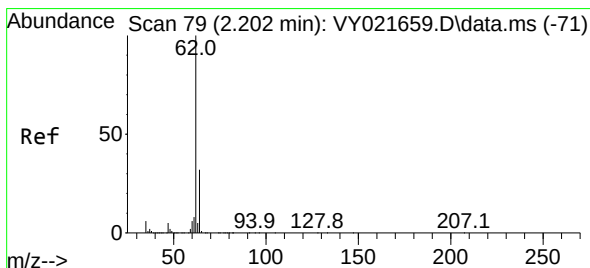
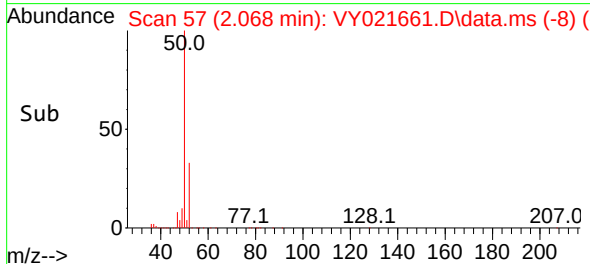
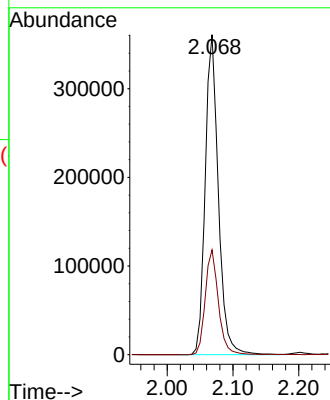
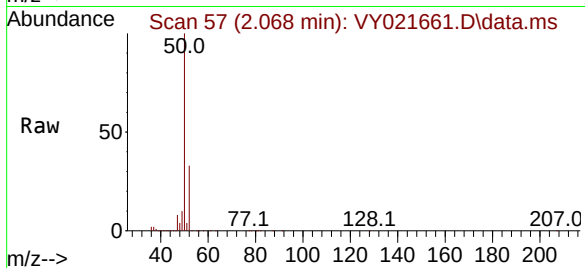




#3
Chloromethane
Concen: 132.551 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

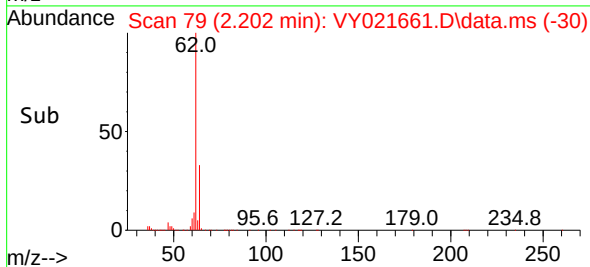
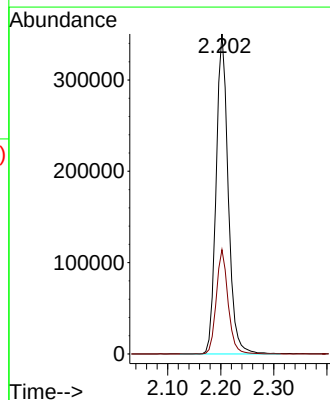
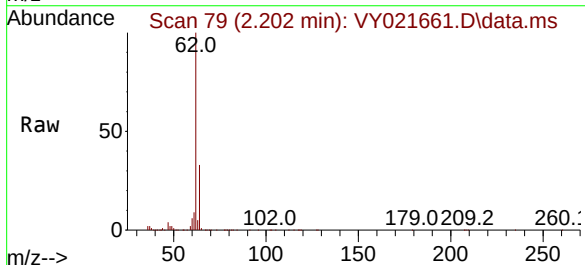
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

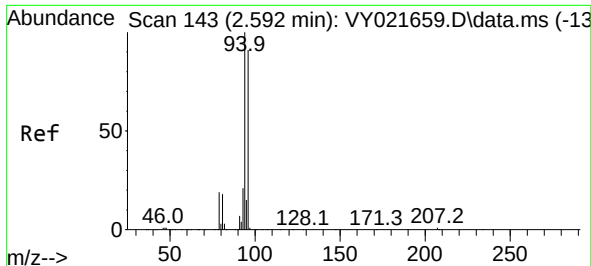
Tgt Ion: 50 Resp: 501654
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5



#4
Vinyl Chloride
Concen: 129.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 555909
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3

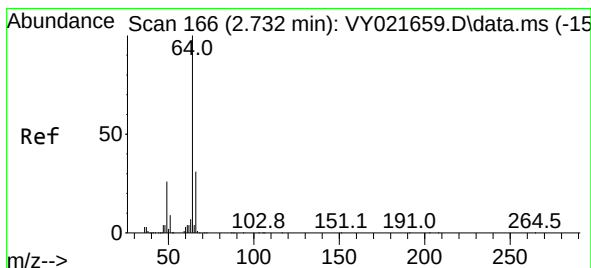
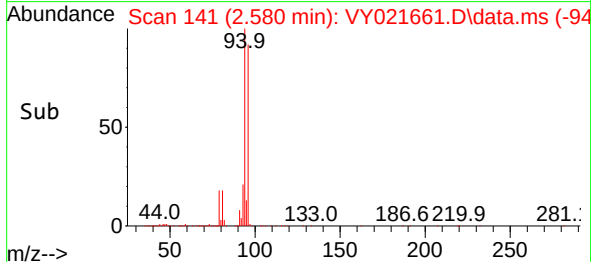
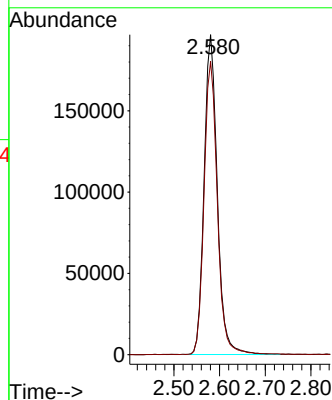
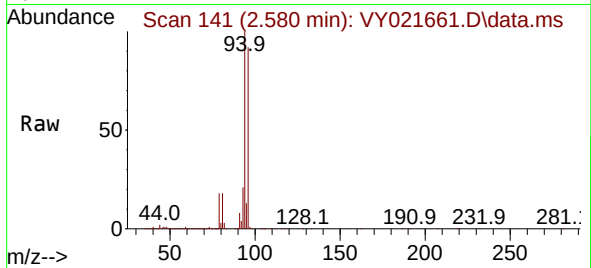




#5
Bromomethane
Concen: 135.035 ug/l
RT: 2.580 min Scan# 143
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

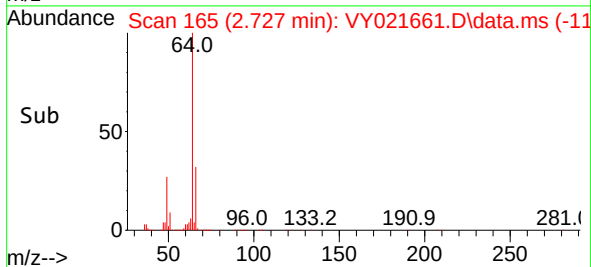
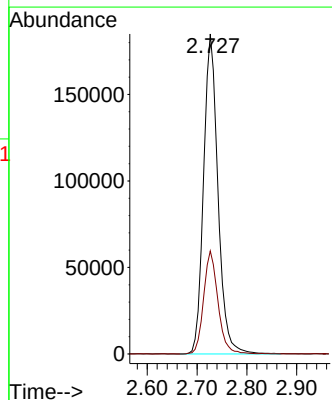
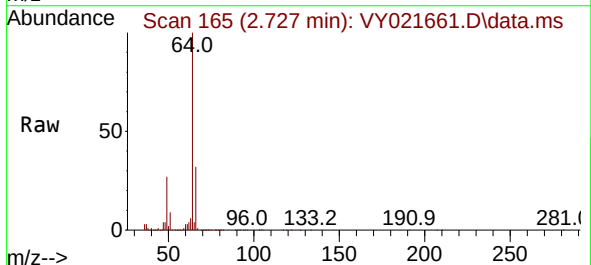
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

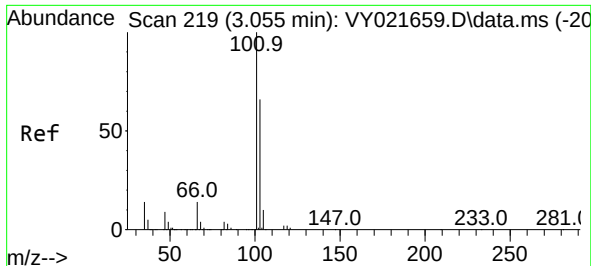
Tgt Ion: 94 Resp: 394188
Ion Ratio Lower Upper
94 100
96 91.6 72.8 109.2



#6
Chloroethane
Concen: 132.337 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 64 Resp: 370633
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3

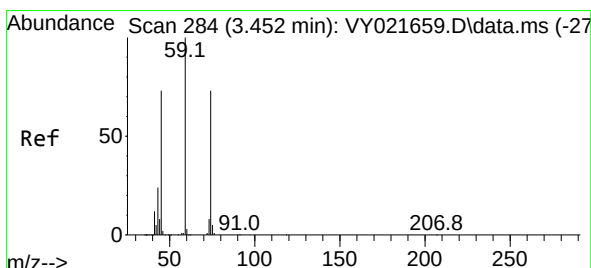
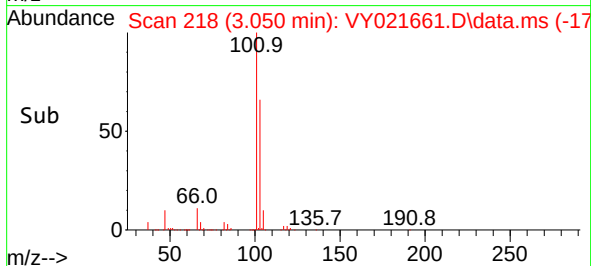
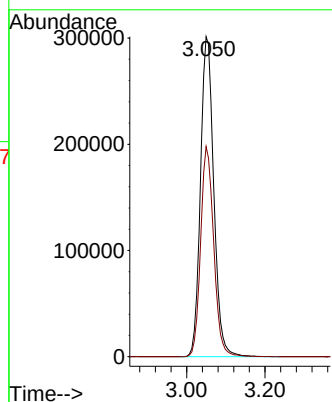
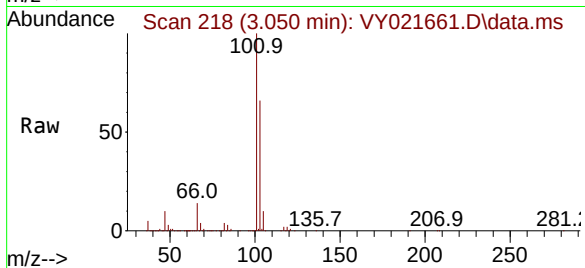




#7
Trichlorofluoromethane
Concen: 129.919 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

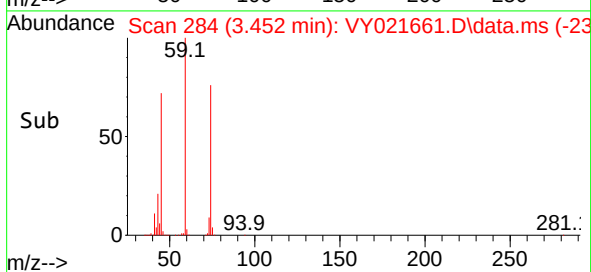
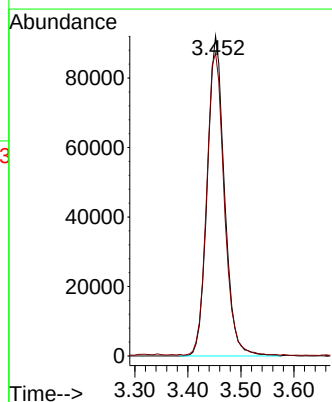
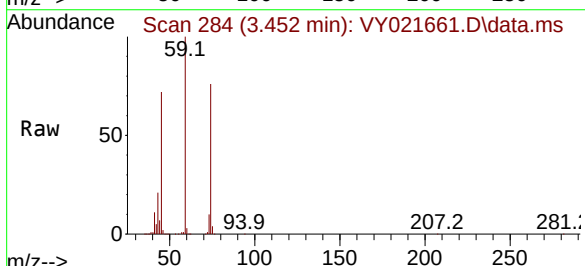
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

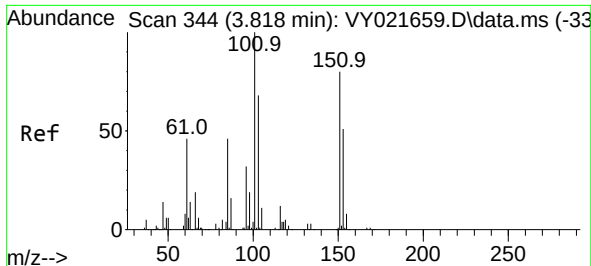
Tgt Ion:101 Resp: 712314
Ion Ratio Lower Upper
101 100
103 65.6 53.1 79.7



#8
Diethyl Ether
Concen: 138.727 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 74 Resp: 206844
Ion Ratio Lower Upper
74 100
45 96.9 48.6 145.8

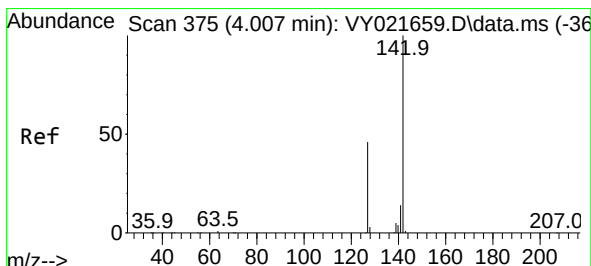
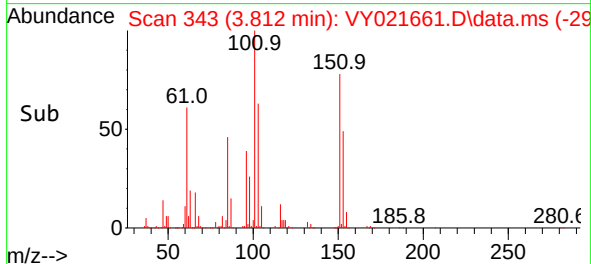
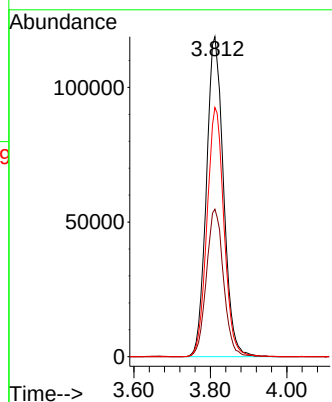
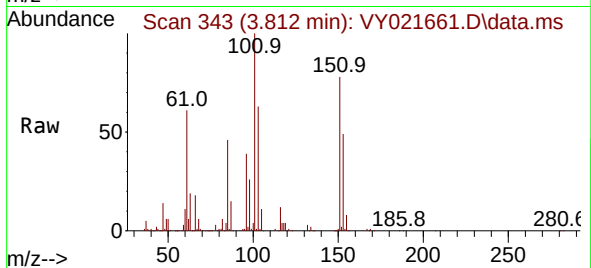




#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.532 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

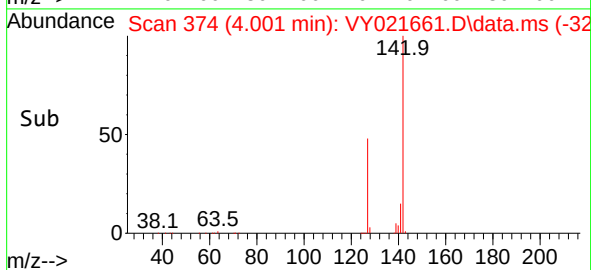
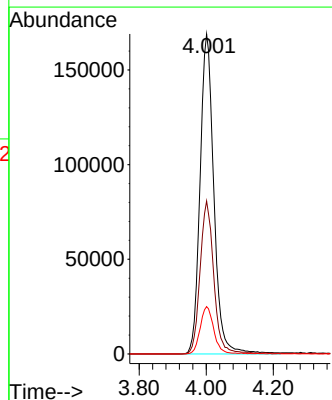
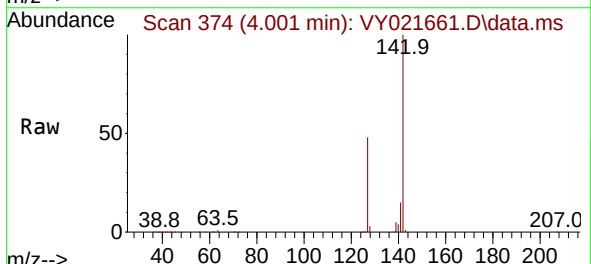
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

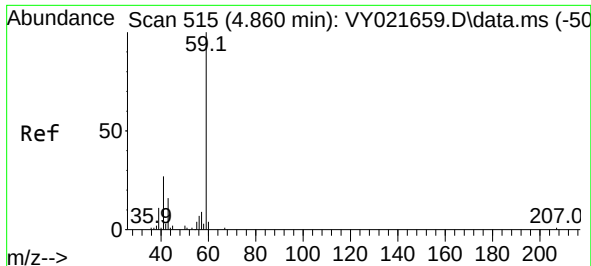
Tgt Ion:101 Resp: 368788
Ion Ratio Lower Upper
101 100
85 46.2 36.3 54.5
151 77.5 61.3 91.9



#10
Methyl Iodide
Concen: 152.366 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:142 Resp: 483364
Ion Ratio Lower Upper
142 100
127 47.4 38.7 58.1
141 14.5 11.5 17.3

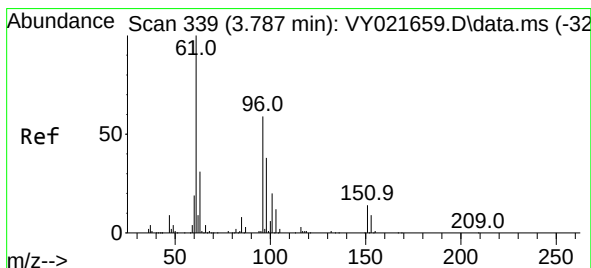
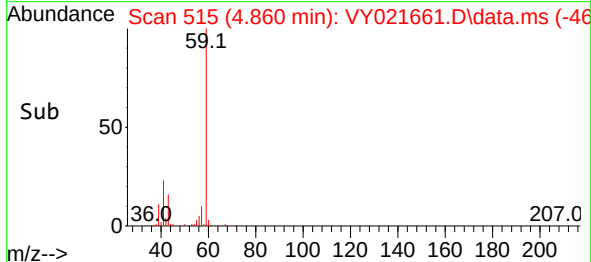
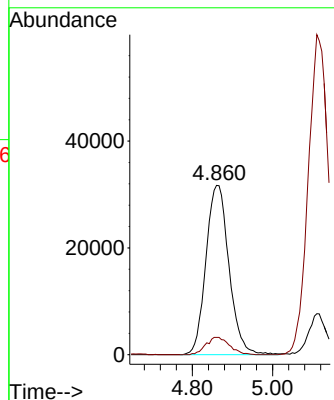
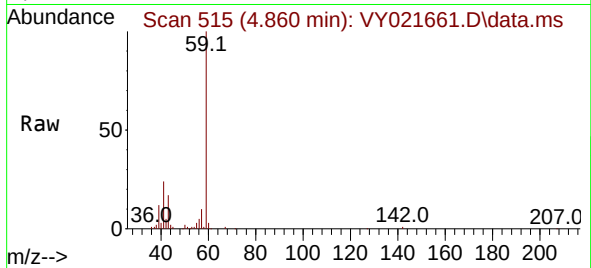




#11
Tert butyl alcohol
Concen: 692.642 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

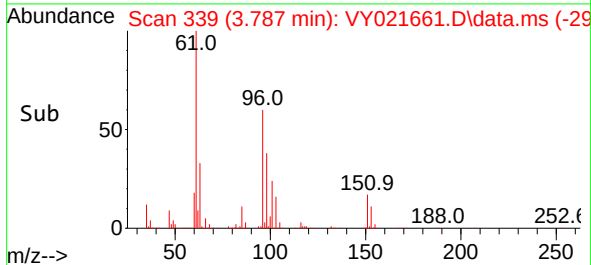
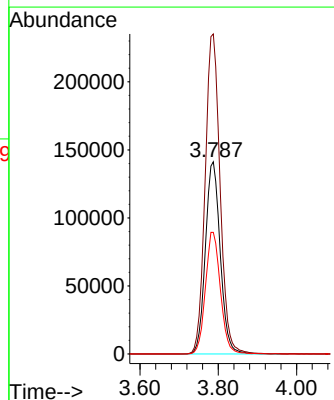
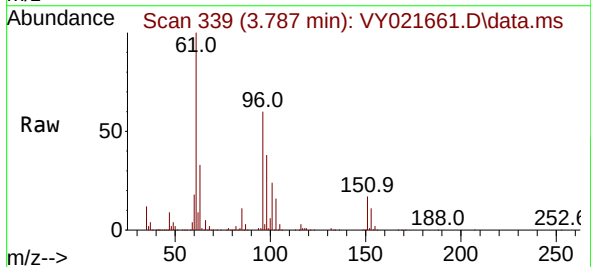
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

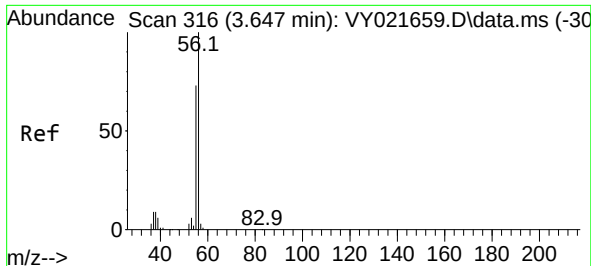
Tgt Ion: 59 Resp: 126577
Ion Ratio Lower Upper
59 100
57 10.5 9.2 13.8



#12
1,1-Dichloroethene
Concen: 136.361 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 96 Resp: 371412
Ion Ratio Lower Upper
96 100
61 166.5 136.6 204.8
98 63.3 52.3 78.5

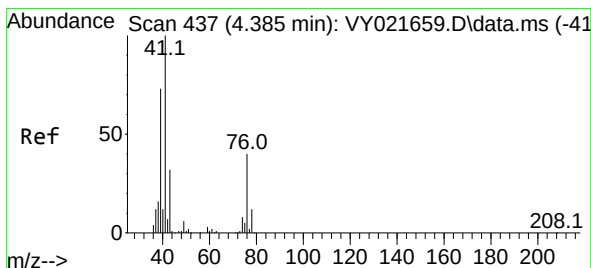
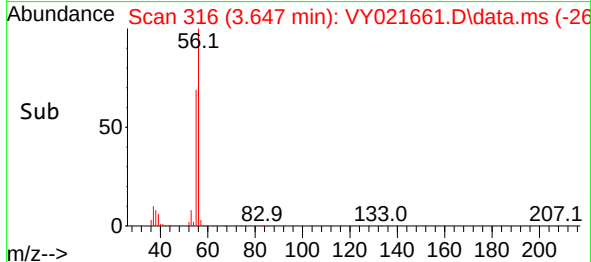
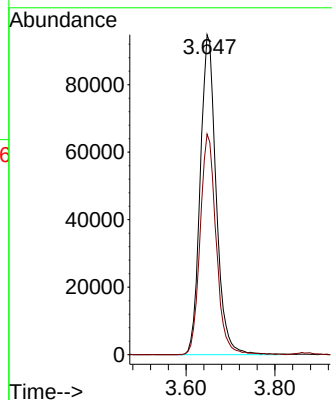
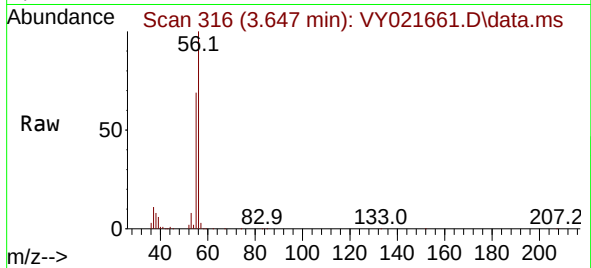




#13
Acrolein
Concen: 708.604 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

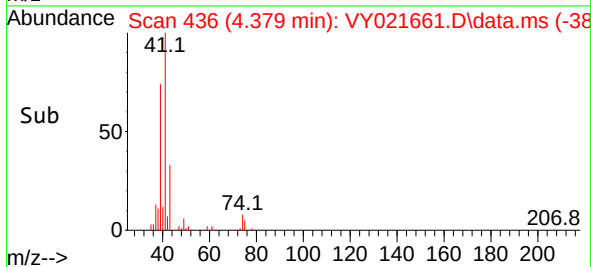
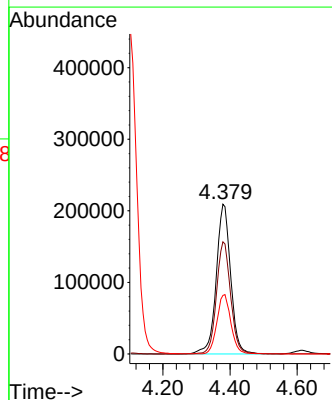
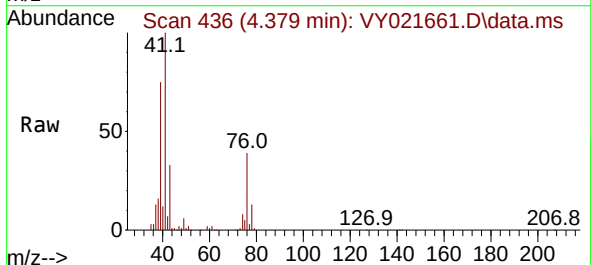
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

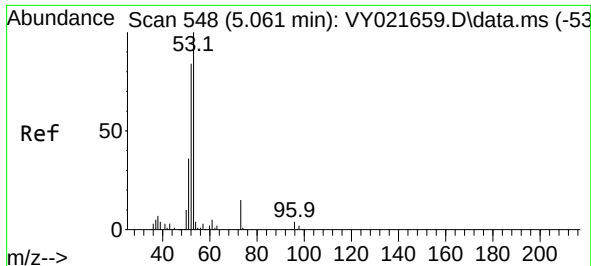
Tgt Ion: 56 Resp: 236449
Ion Ratio Lower Upper
56 100
55 69.6 56.6 85.0



#14
Allyl chloride
Concen: 143.656 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 623865
Ion Ratio Lower Upper
41 100
39 73.5 58.6 88.0
76 38.2 30.3 45.5

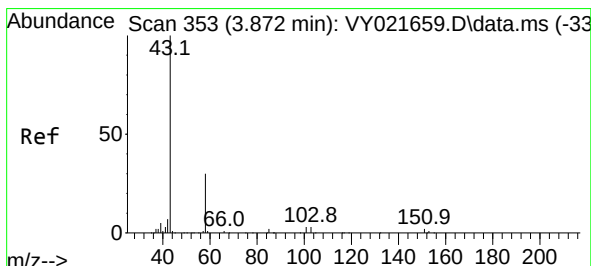
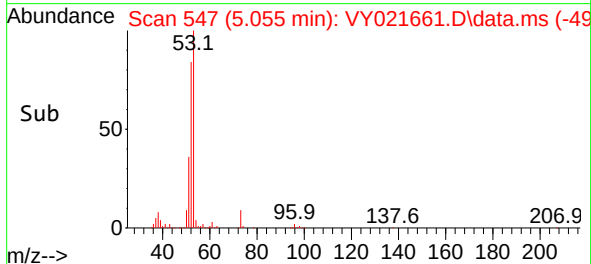
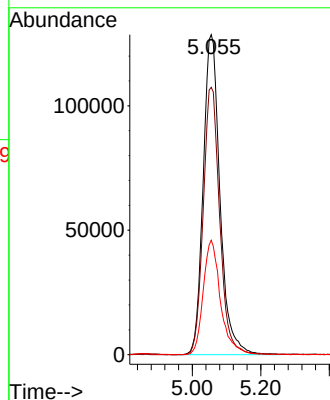
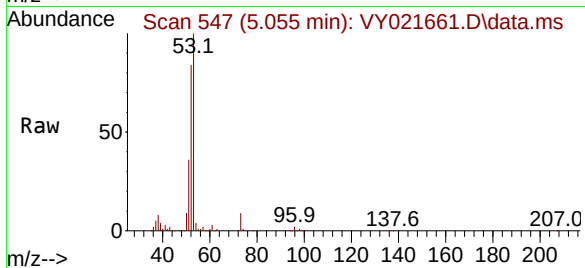




#15
Acrylonitrile
Concen: 706.375 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

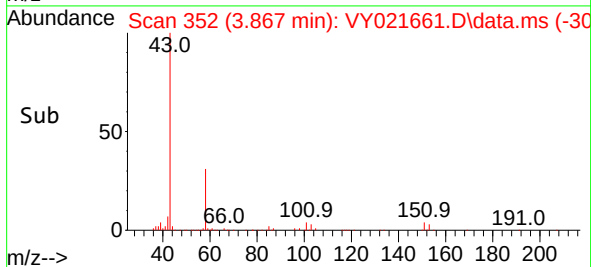
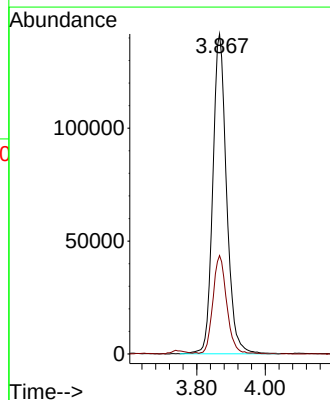
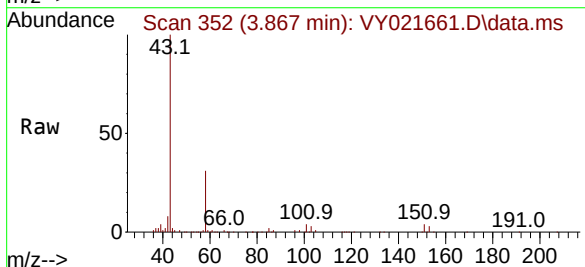
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

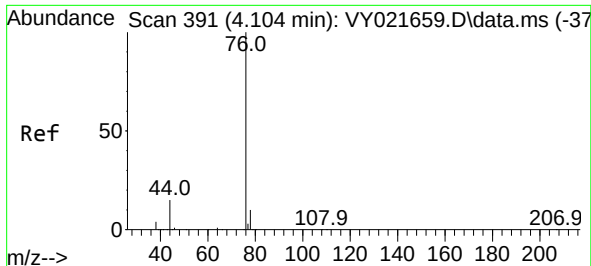
Tgt Ion: 53 Resp: 439757
Ion Ratio Lower Upper
53 100
52 82.0 64.9 97.3
51 37.0 30.2 45.2



#16
Acetone
Concen: 686.626 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 395370
Ion Ratio Lower Upper
43 100
58 30.7 24.2 36.4

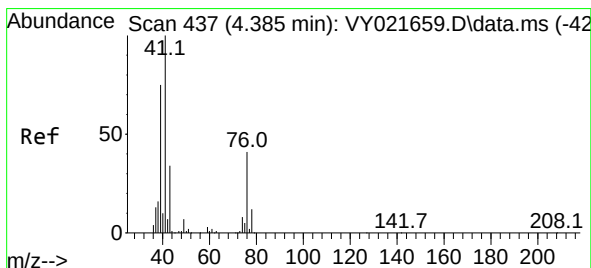
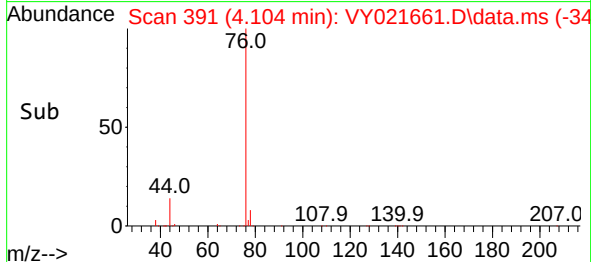
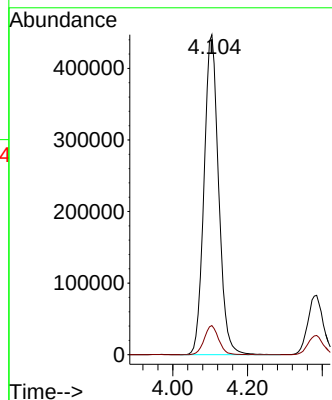
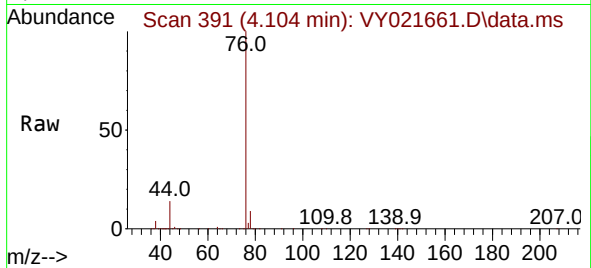




#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

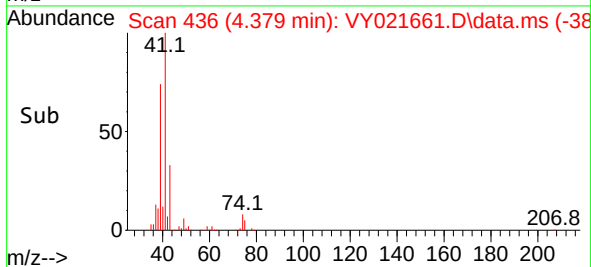
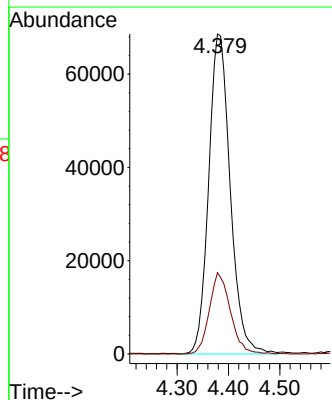
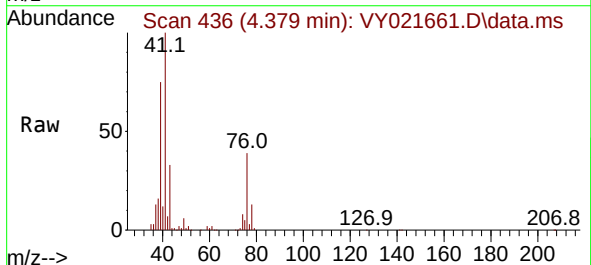
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

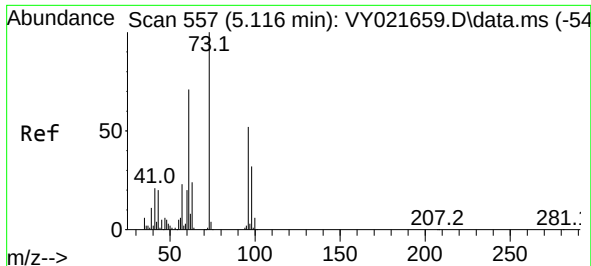
Tgt Ion: 76 Resp: 1209296
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 140.110 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 199951
Ion Ratio Lower Upper
43 100
74 24.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 148.374 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

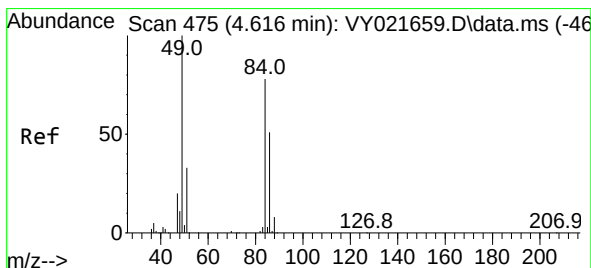
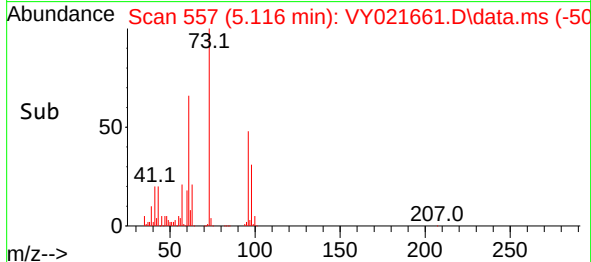
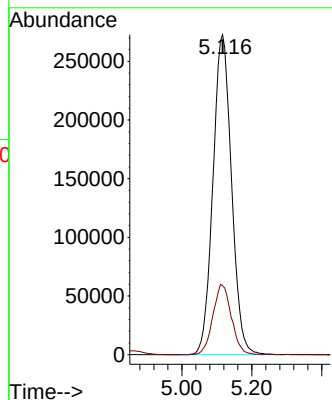
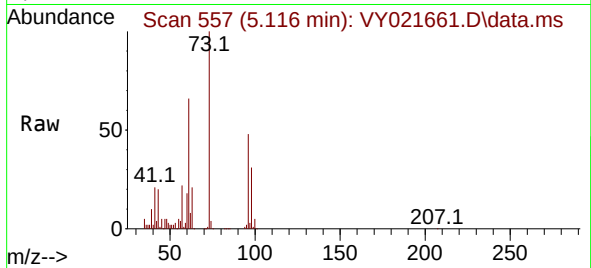
VSTDICC150

Tgt Ion: 73 Resp: 1006156

Ion Ratio Lower Upper

73 100

57 21.6 18.1 27.1



#20

Methylene Chloride

Concen: 149.840 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion: 84 Resp: 400434

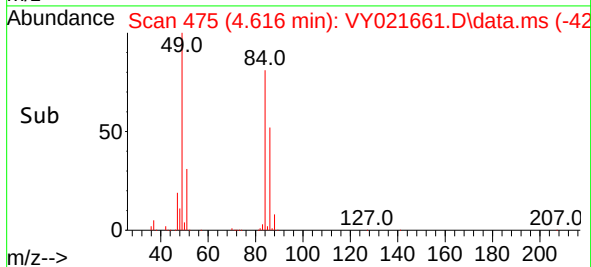
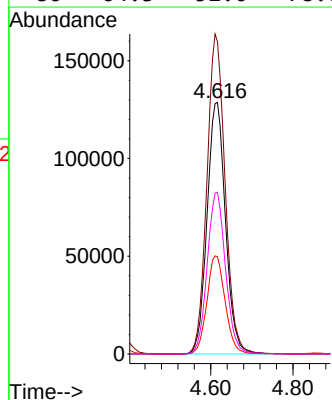
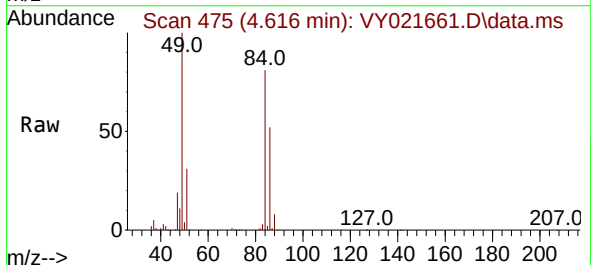
Ion Ratio Lower Upper

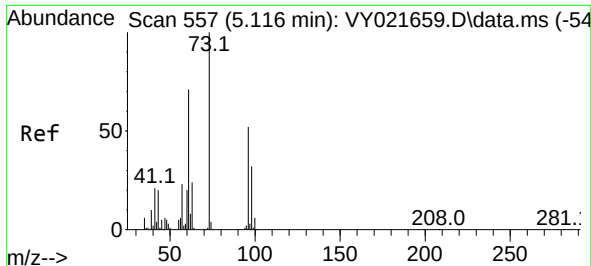
84 100

49 124.1 102.8 154.2

51 38.6 33.5 50.3

86 64.3 52.0 78.0

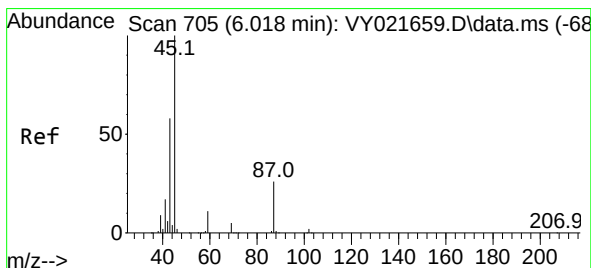
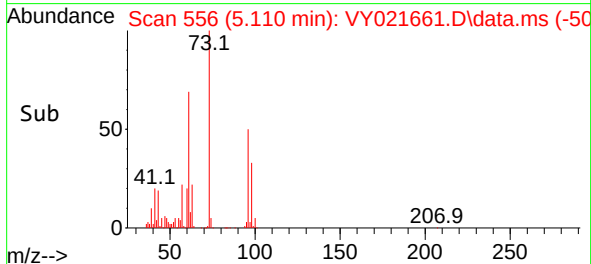
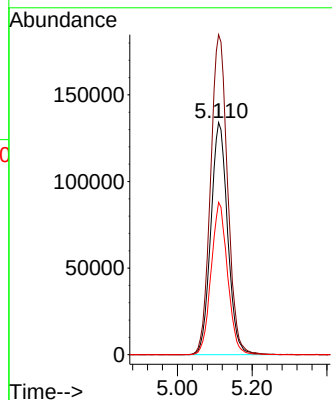
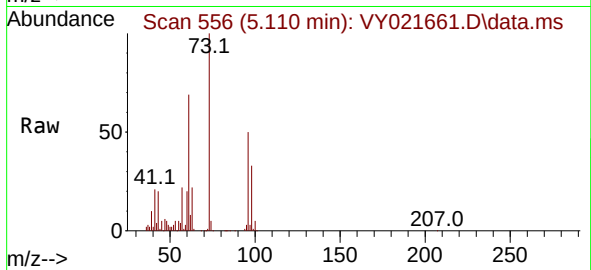




#21
trans-1,2-Dichloroethene
Concen: 139.351 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

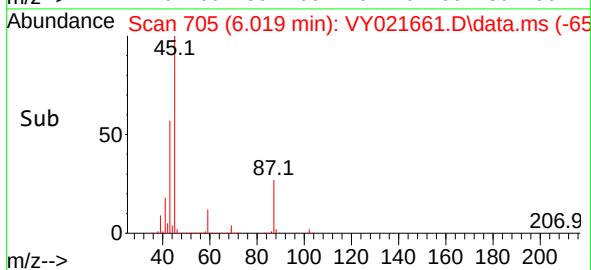
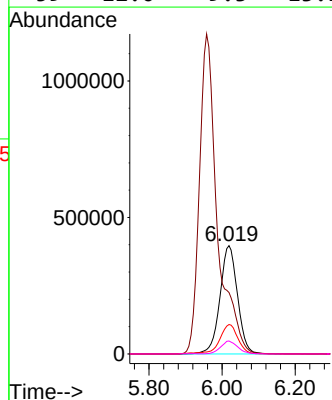
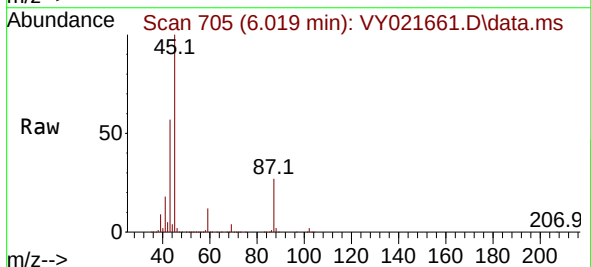
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

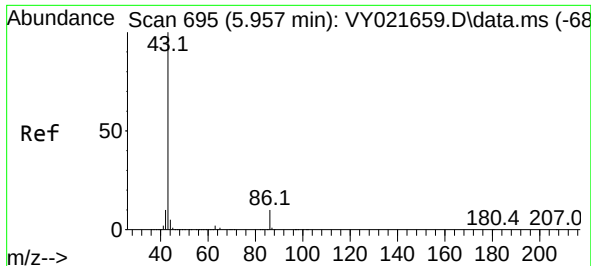
Tgt Ion: 96 Resp: 417906
Ion Ratio Lower Upper
96 100
61 137.8 109.4 164.0
98 65.6 50.2 75.2



#22
Diisopropyl ether
Concen: 145.463 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 45 Resp: 1325167
Ion Ratio Lower Upper
45 100
43 56.7 46.6 69.8
87 27.2 20.7 31.1
59 12.0 9.3 13.9

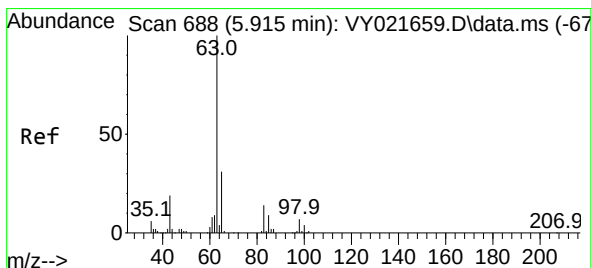
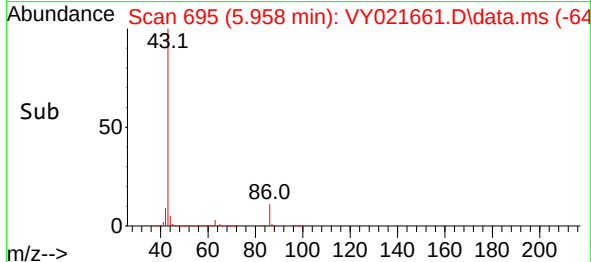
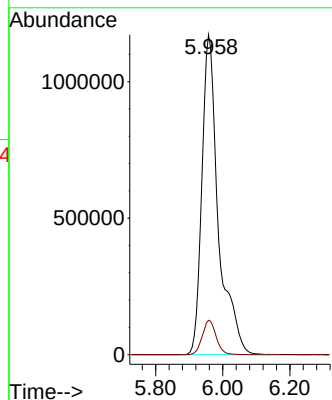
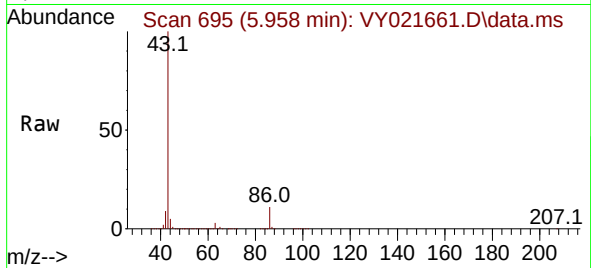




#23
 Vinyl Acetate
 Concen: 749.332 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

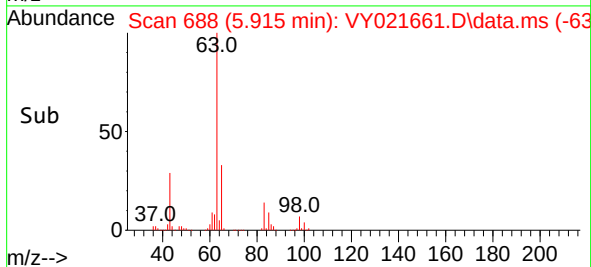
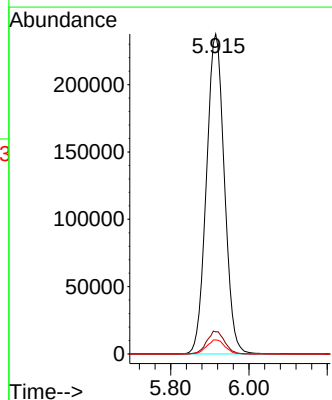
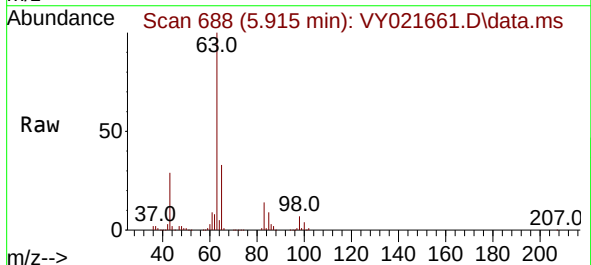
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

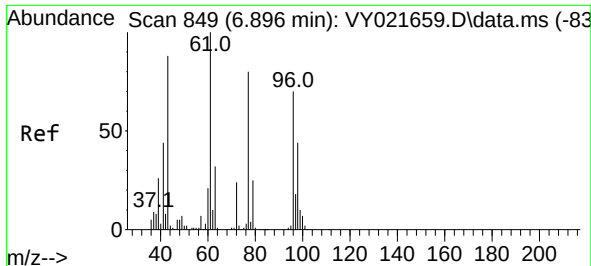
Tgt Ion: 43 Resp: 3993494
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 138.403 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 753930
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 733.215 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

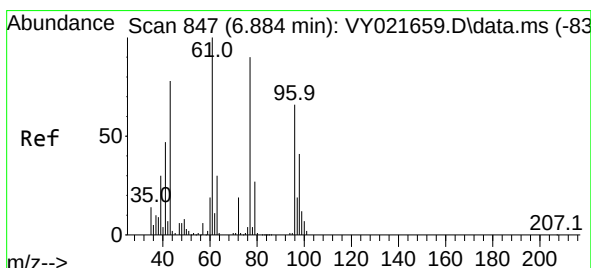
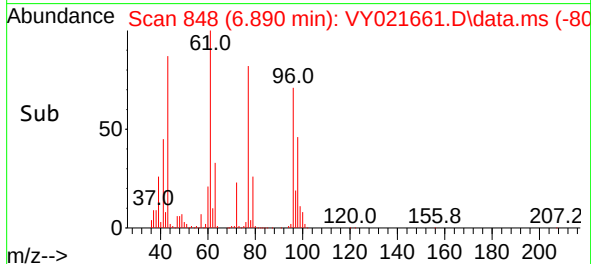
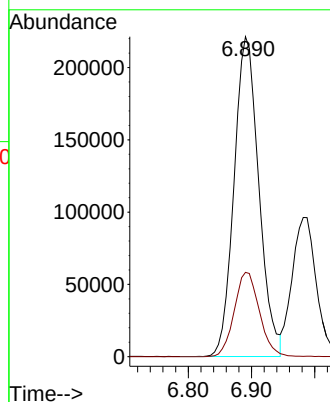
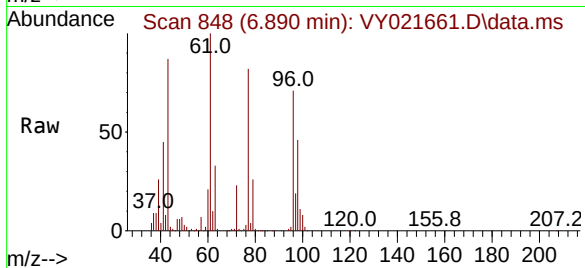
VSTDICC150

Tgt Ion: 43 Resp: 603028

Ion Ratio Lower Upper

43 100

72 26.4 21.4 32.2



#26

2,2-Dichloropropane

Concen: 139.949 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021661.D

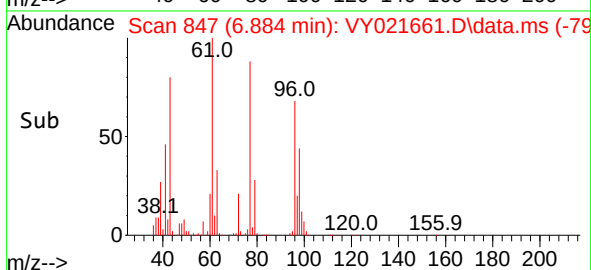
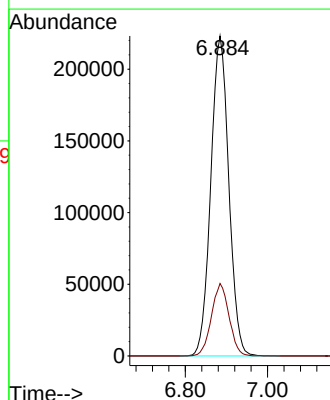
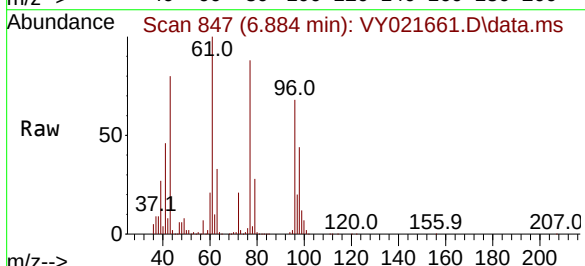
Acq: 27 Mar 2025 12:02

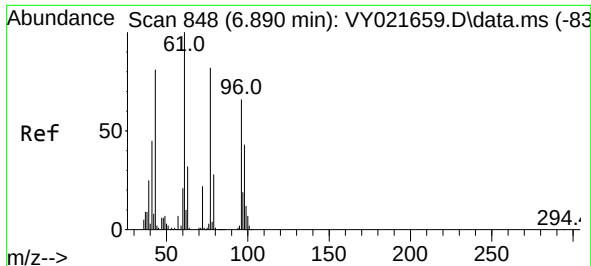
Tgt Ion: 77 Resp: 678134

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 145.395 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

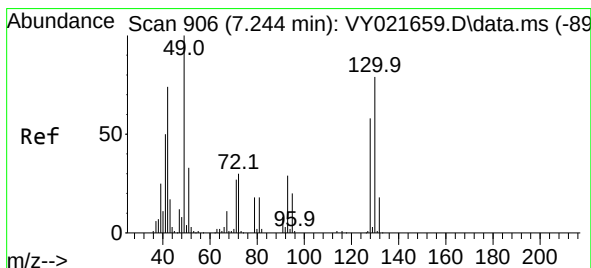
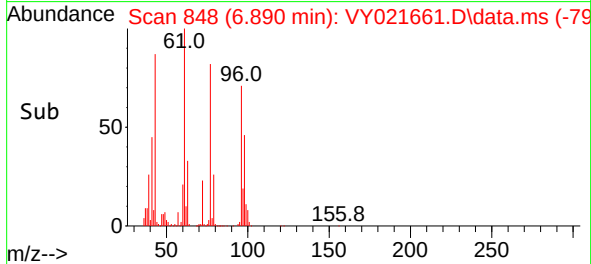
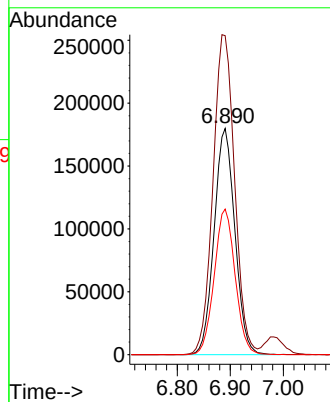
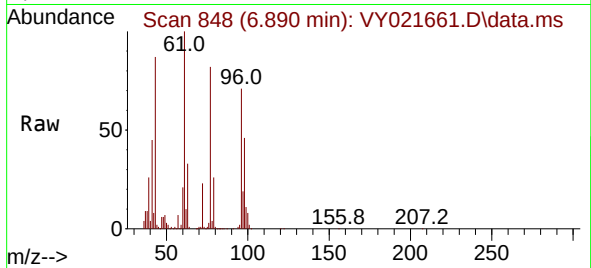
Tgt Ion: 96 Resp: 490349

Ion Ratio Lower Upper

96 100

61 146.8 0.0 296.4

98 64.9 0.0 128.0



#28

Bromochloromethane

Concen: 136.480 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

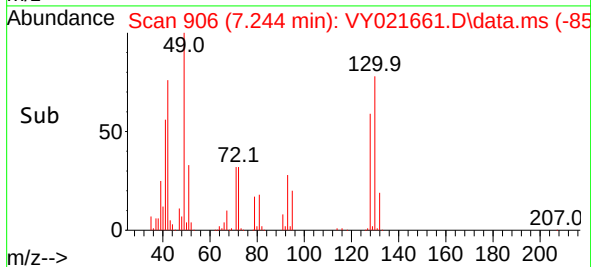
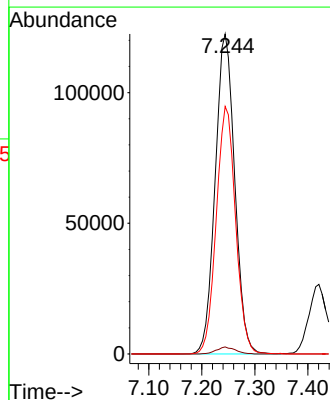
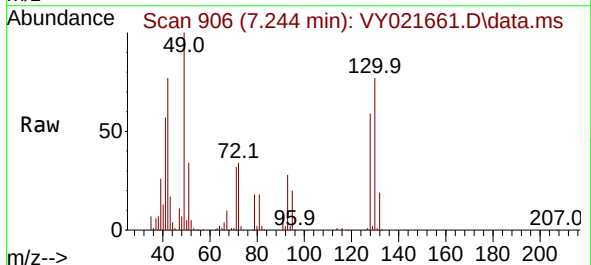
Tgt Ion: 49 Resp: 313542

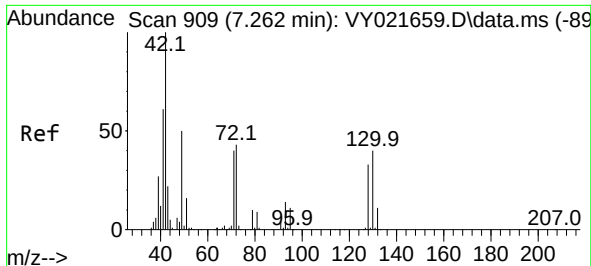
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 716.799 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

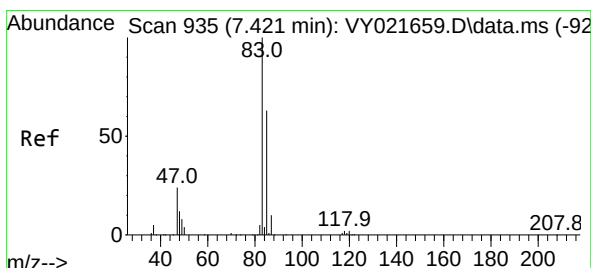
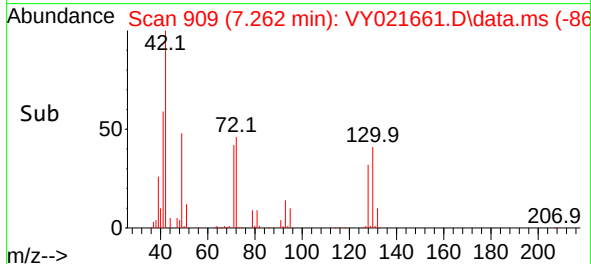
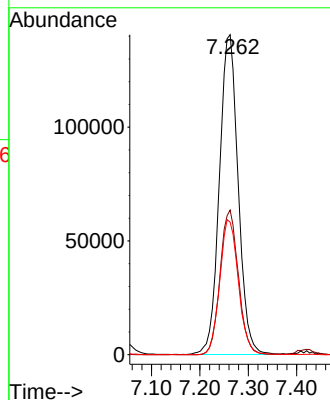
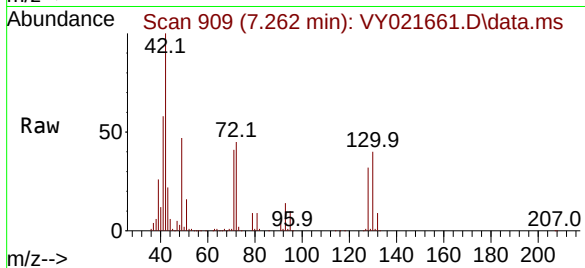
Tgt Ion: 42 Resp: 379413

Ion Ratio Lower Upper

42 100

72 44.1 34.6 52.0

71 41.9 32.5 48.7



#30

Chloroform

Concen: 137.548 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021661.D

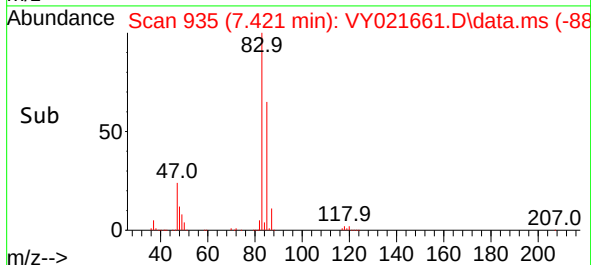
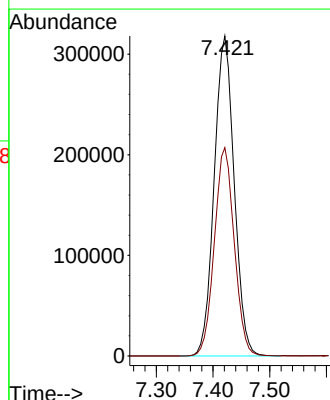
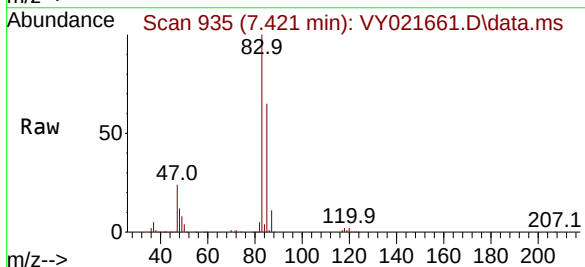
Acq: 27 Mar 2025 12:02

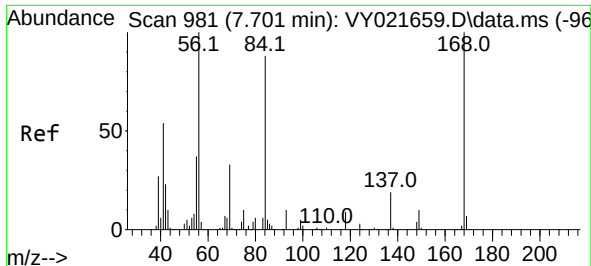
Tgt Ion: 83 Resp: 779319

Ion Ratio Lower Upper

83 100

85 65.1 50.6 75.8

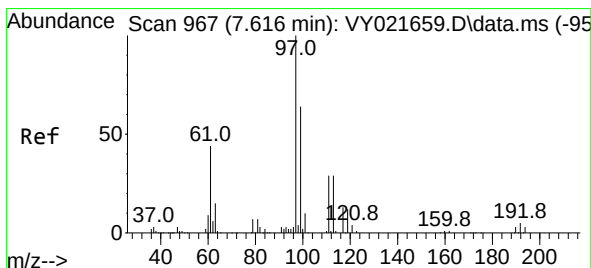
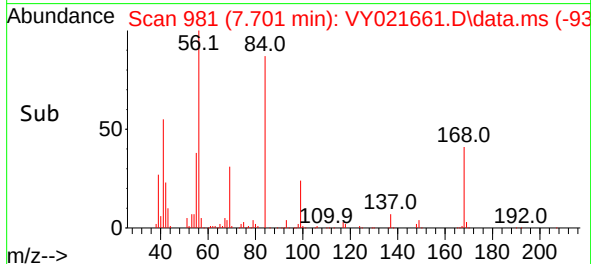
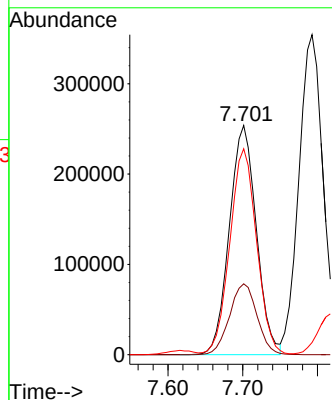
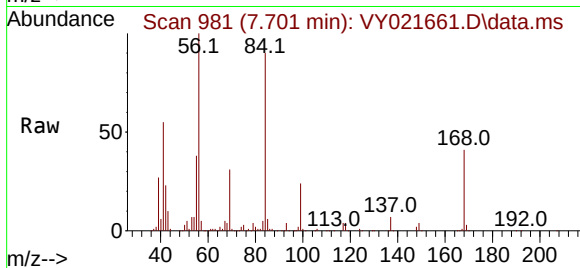




#31
Cyclohexane
Concen: 128.388 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

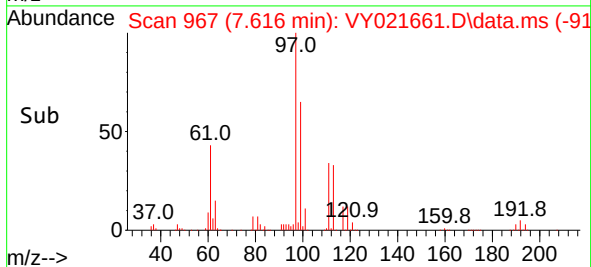
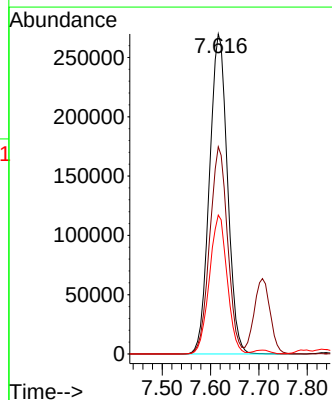
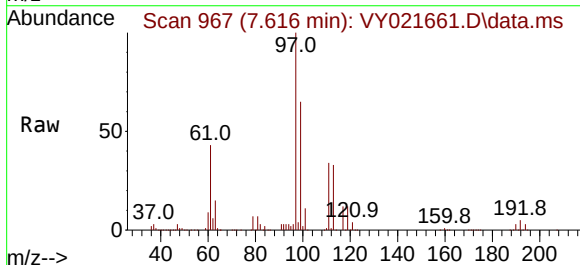
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

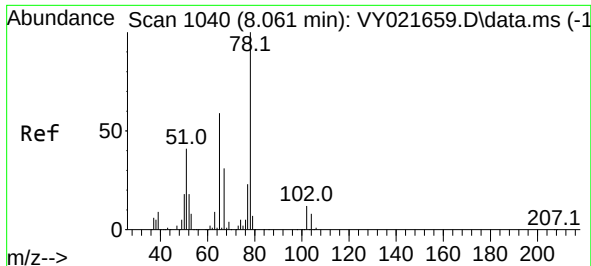
Tgt Ion: 56 Resp: 637533
Ion Ratio Lower Upper
56 100
69 31.0 26.6 40.0
84 88.0 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 135.918 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 97 Resp: 696016
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 43.0 35.2 52.8

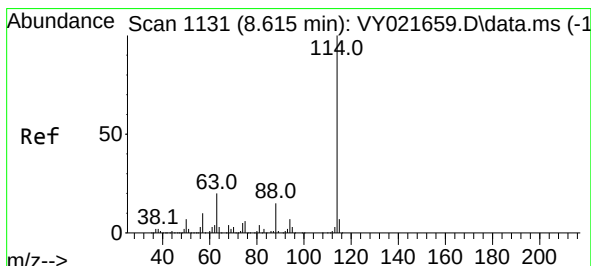
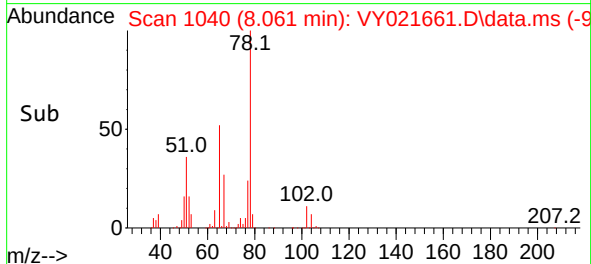
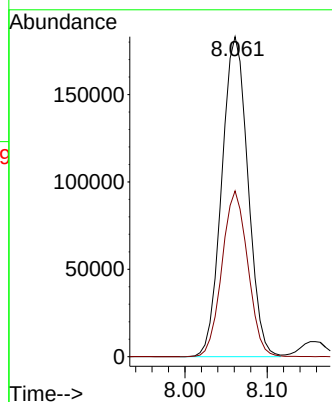
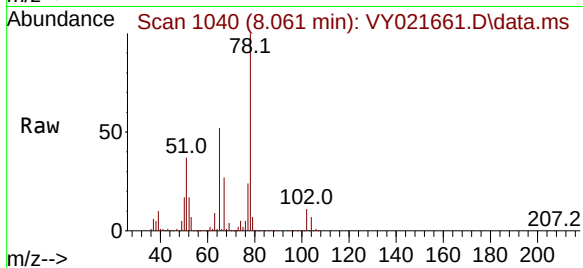




#33
 1,2-Dichloroethane-d4
 Concen: 143.931 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

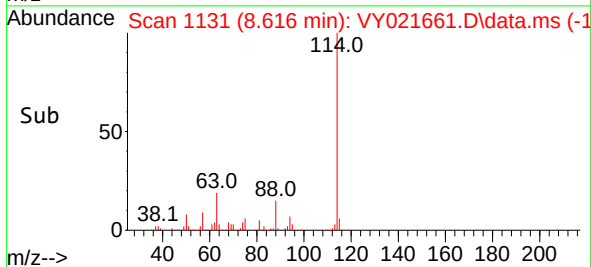
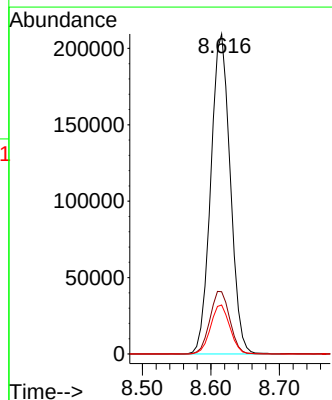
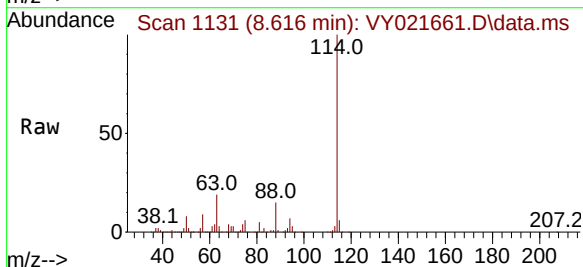
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

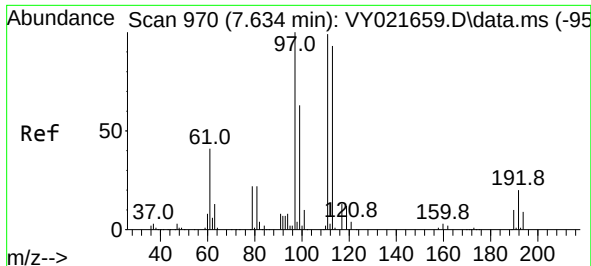
Tgt Ion: 65 Resp: 404952
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

Tgt Ion: 114 Resp: 412304
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.2
 88 15.3 0.0 29.8

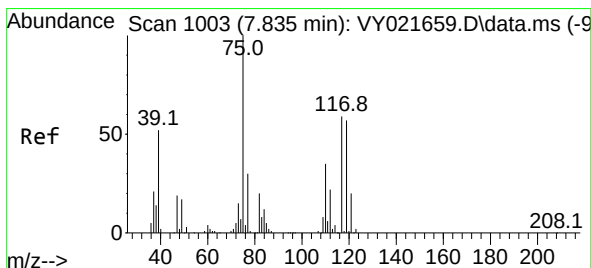
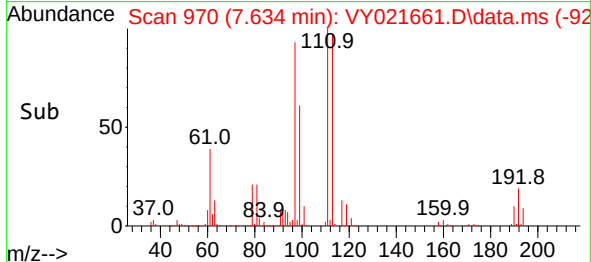
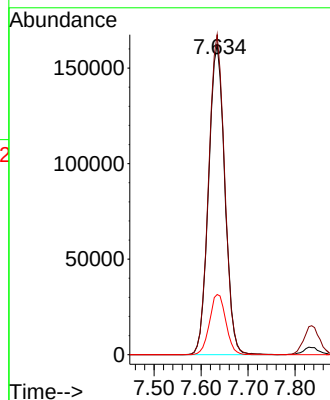
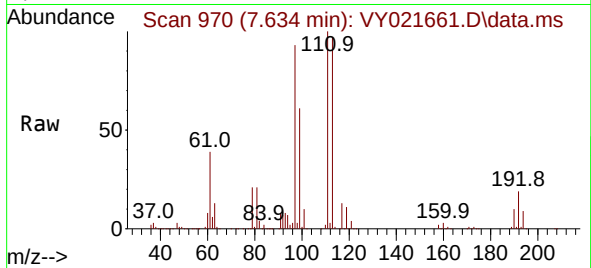




#35
Dibromofluoromethane
Concen: 144.862 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

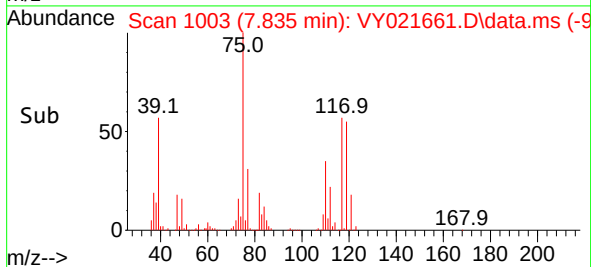
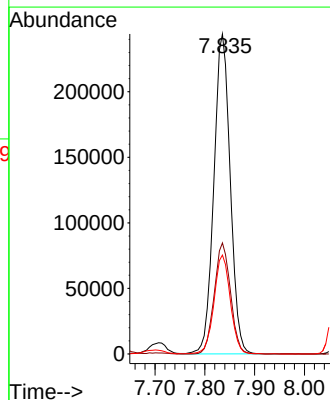
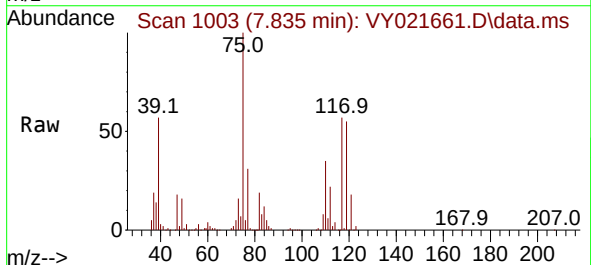
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

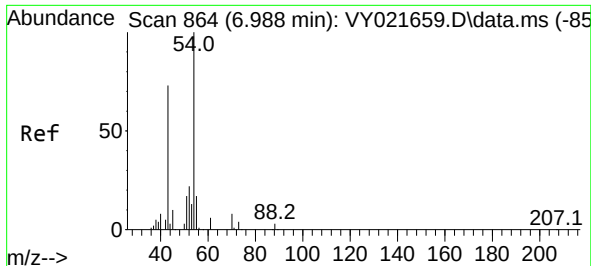
Tgt Ion:113 Resp: 387439
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 136.722 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 556974
Ion Ratio Lower Upper
75 100
110 34.4 17.0 50.9
77 30.9 24.8 37.2

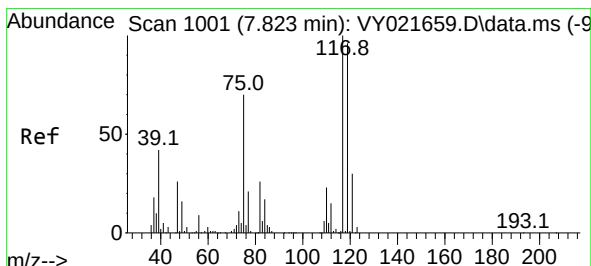
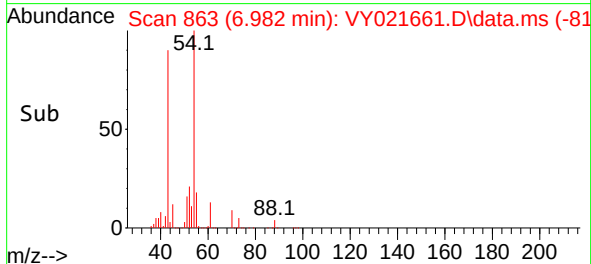
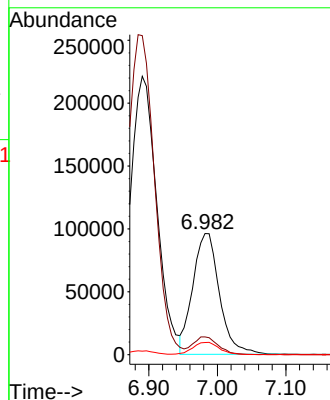
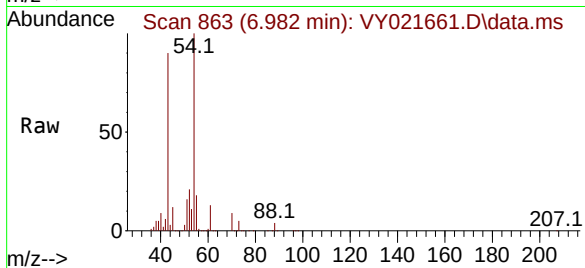




#37
Ethyl Acetate
Concen: 134.812 ug/l
RT: 6.982 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

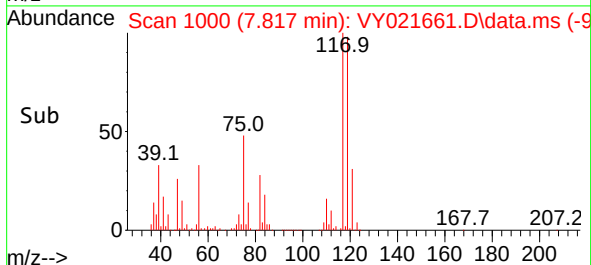
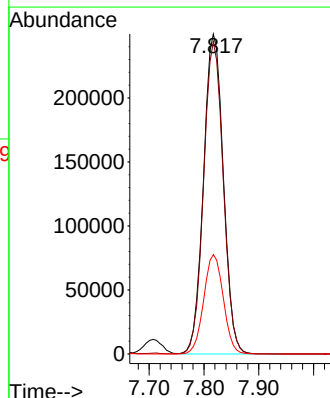
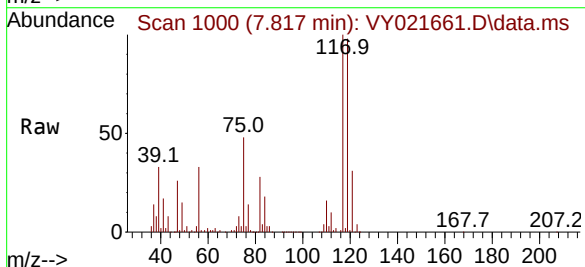
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

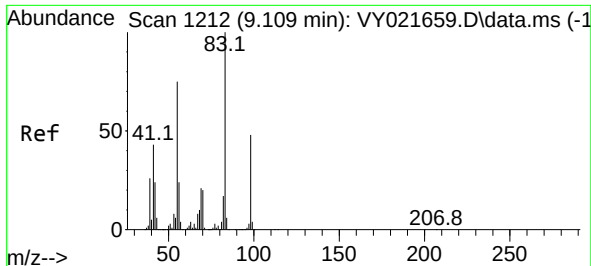
Tgt Ion: 43 Resp: 259188
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.6
70 10.3 8.1 12.1



#38
Carbon Tetrachloride
Concen: 134.452 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 117 Resp: 627331
Ion Ratio Lower Upper
117 100
119 97.6 76.2 114.4
121 31.0 24.2 36.4





#39

Methylcyclohexane

Concen: 139.666 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

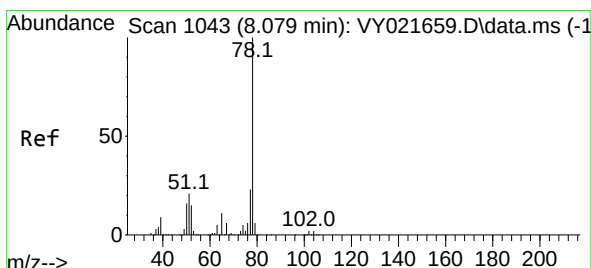
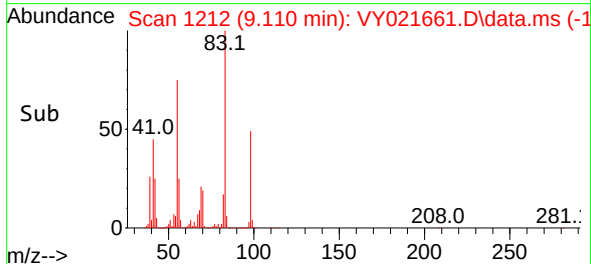
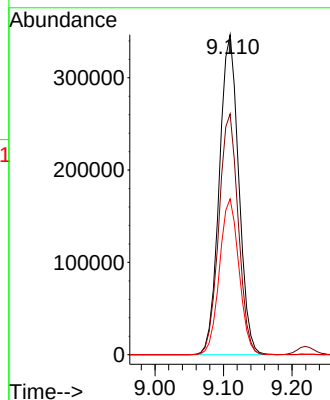
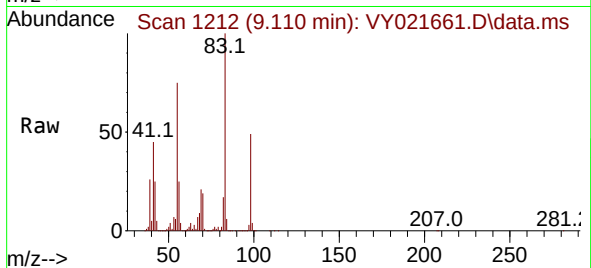
Tgt Ion: 83 Resp: 679694

Ion Ratio Lower Upper

83 100

55 75.3 59.7 89.5

98 48.7 38.3 57.5



#40

Benzene

Concen: 139.014 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021661.D

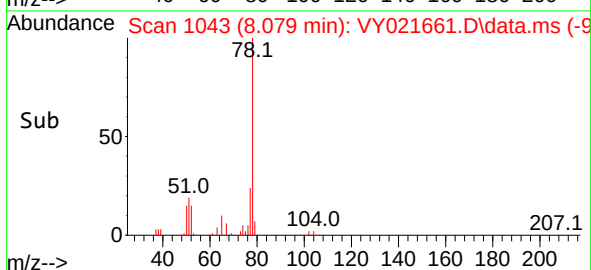
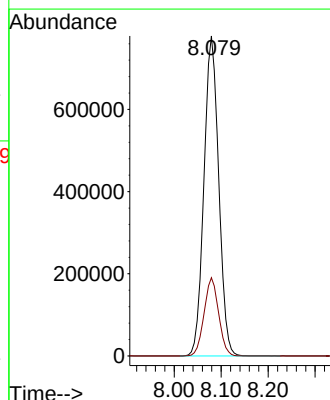
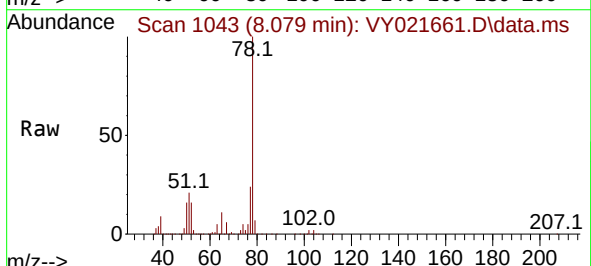
Acq: 27 Mar 2025 12:02

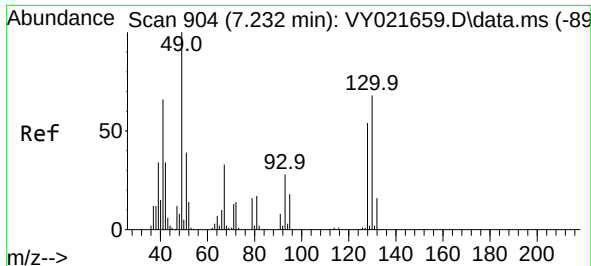
Tgt Ion: 78 Resp: 1695962

Ion Ratio Lower Upper

78 100

77 24.4 18.8 28.2

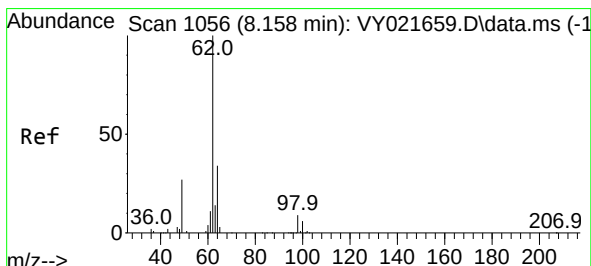
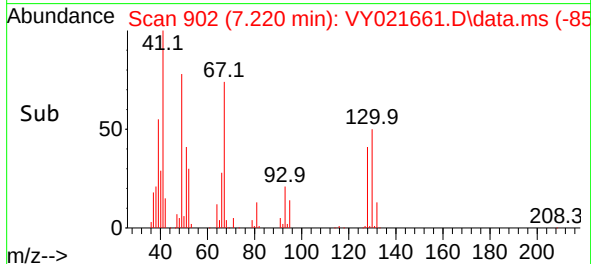
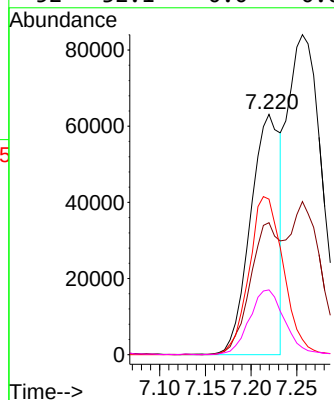
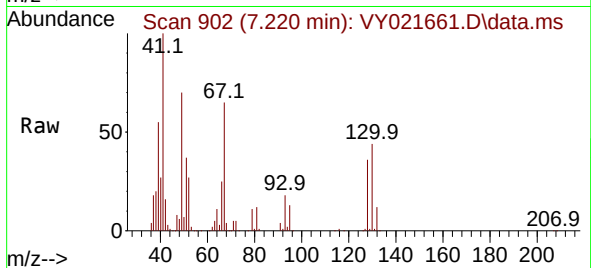




#41
Methacrylonitrile
Concen: 140.447 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

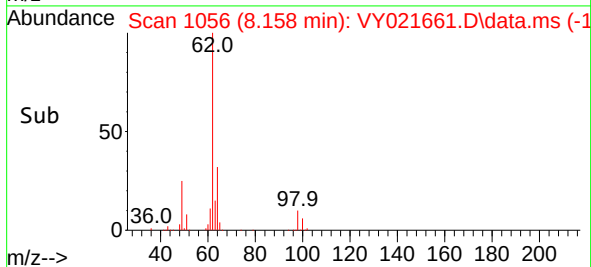
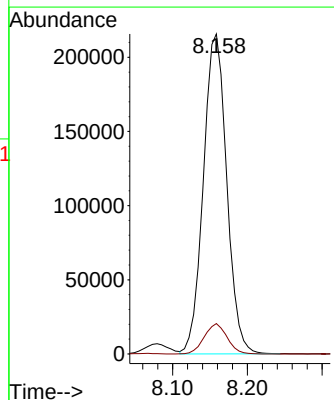
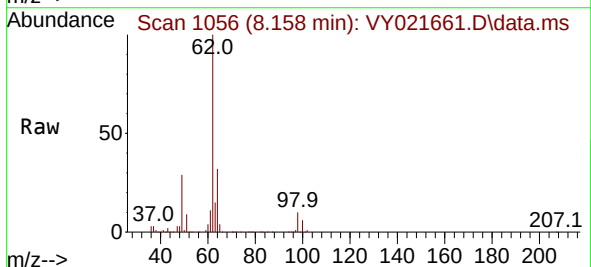
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

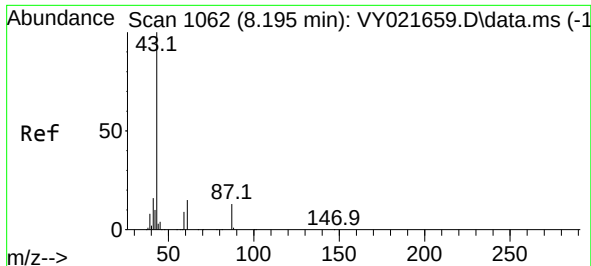
Tgt Ion: 41 Resp: 143387
Ion Ratio Lower Upper
41 100
39 54.1 0.0 0.0#
67 75.9 0.0 0.0#
52 32.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 136.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 468317
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4

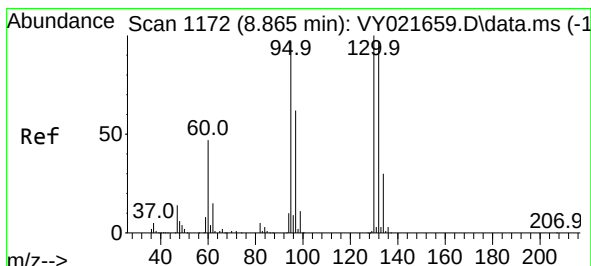
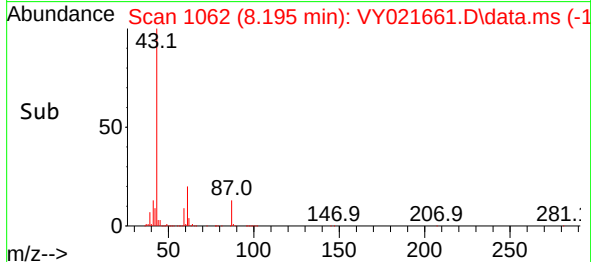
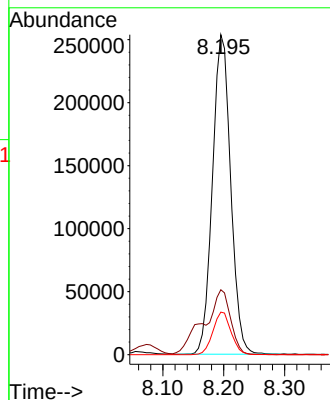
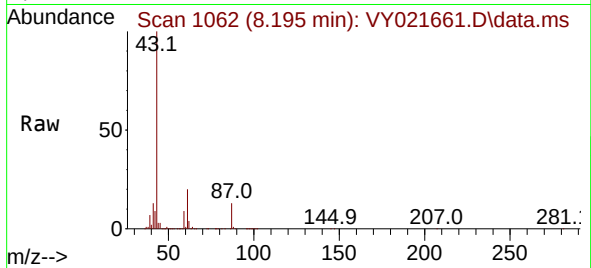




#43
Isopropyl Acetate
Concen: 144.731 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

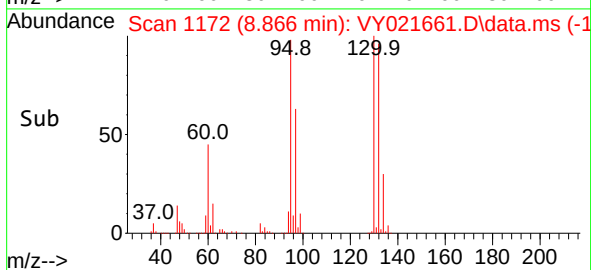
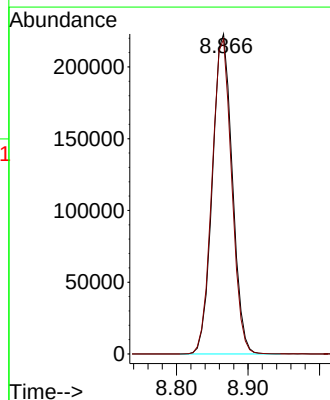
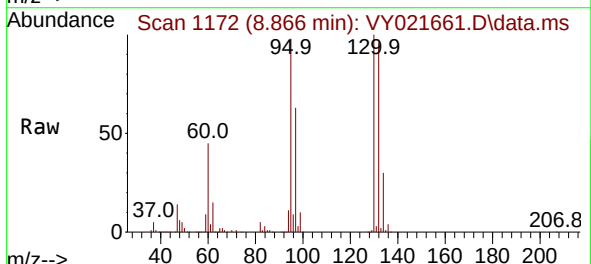
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

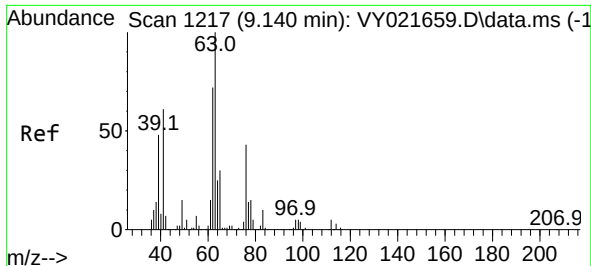
Tgt Ion: 43 Resp: 527316
Ion Ratio Lower Upper
43 100
61 29.7 15.9 23.9#
87 13.3 10.4 15.6



#44
Trichloroethene
Concen: 138.536 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 130 Resp: 430629
Ion Ratio Lower Upper
130 100
95 98.4 0.0 194.8





#45

1,2-Dichloropropane

Concen: 139.191 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

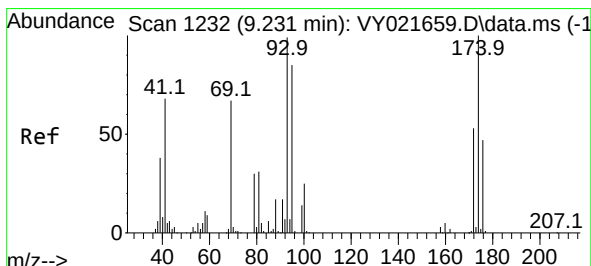
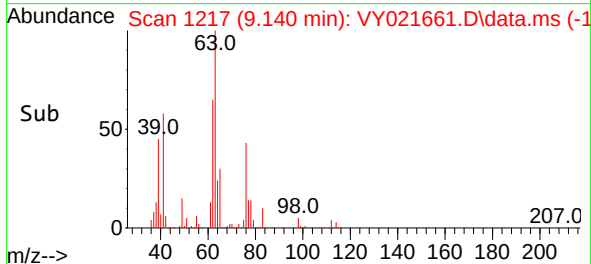
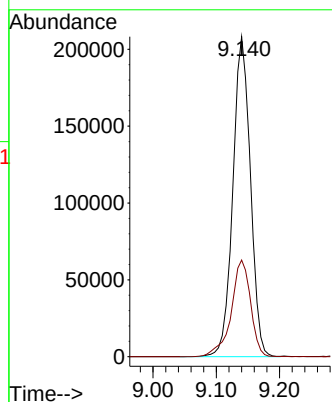
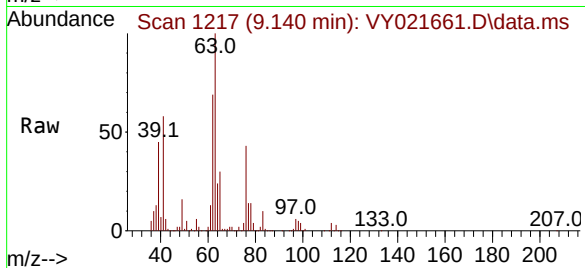
VSTDIC150

Tgt Ion: 63 Resp: 401955

Ion Ratio Lower Upper

63 100

65 30.2 24.4 36.6



#46

Dibromomethane

Concen: 137.167 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

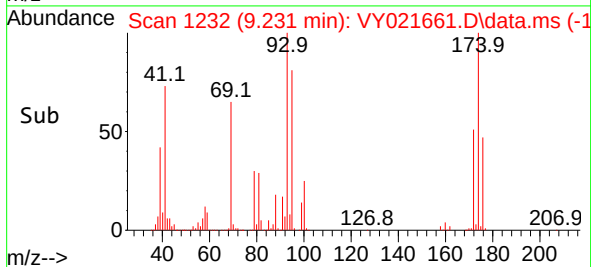
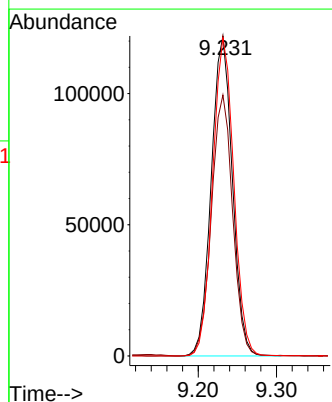
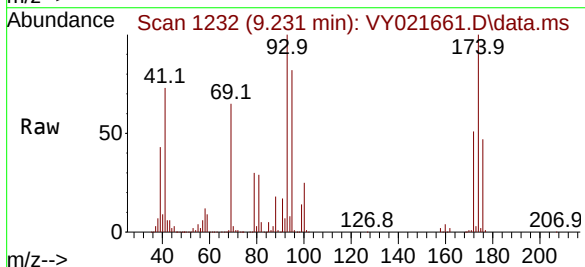
Tgt Ion: 93 Resp: 228287

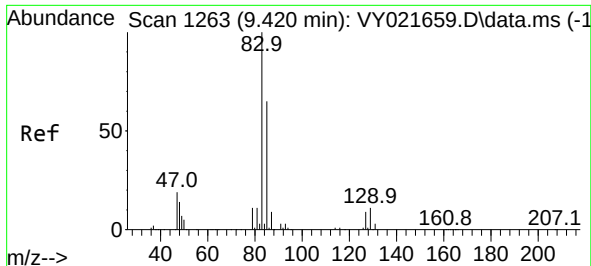
Ion Ratio Lower Upper

93 100

95 82.1 68.1 102.1

174 99.7 80.9 121.3

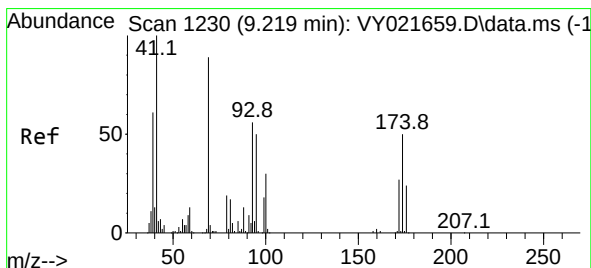
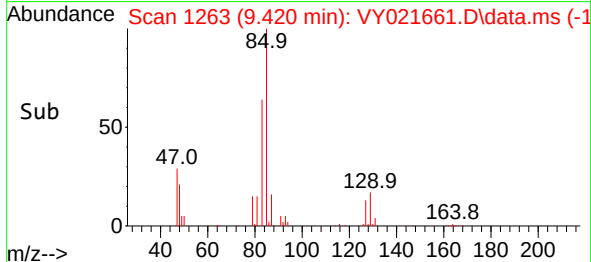
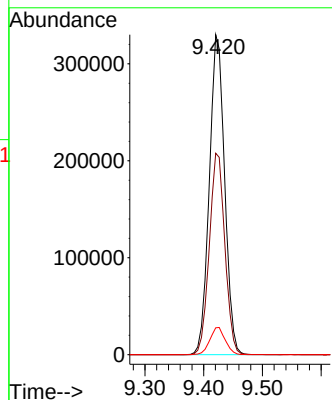
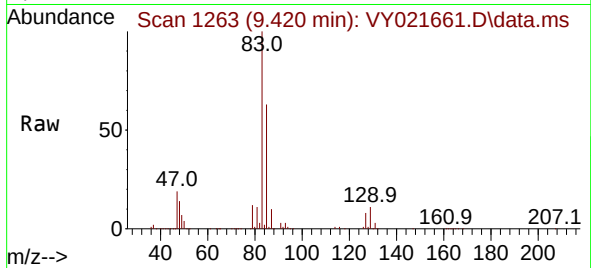




#47
Bromodichloromethane
Concen: 138.764 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

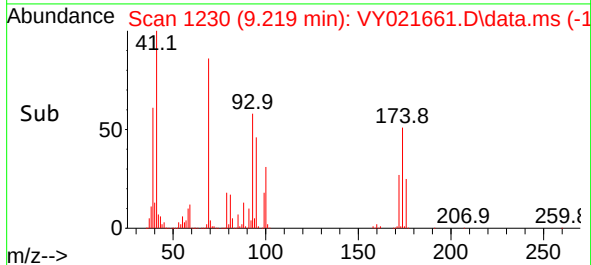
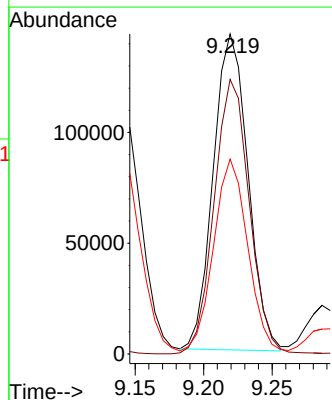
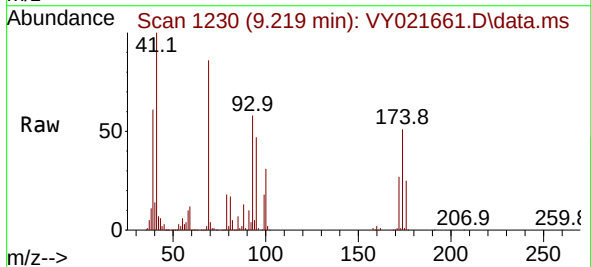
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

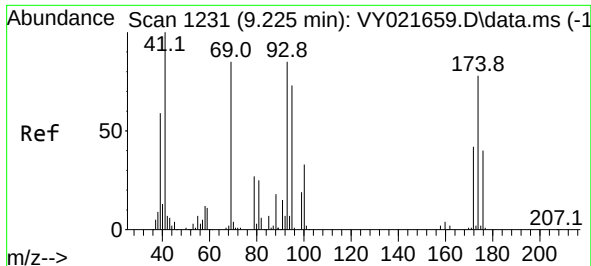
Tgt Ion: 83 Resp: 598421
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6
127 8.4 6.8 10.2



#48
Methyl methacrylate
Concen: 150.306 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 251339
Ion Ratio Lower Upper
41 100
69 88.1 69.8 104.8
39 59.6 47.2 70.8





#49

1,4-Dioxane

Concen: 2991.658 ug/l

RT: 9.225 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

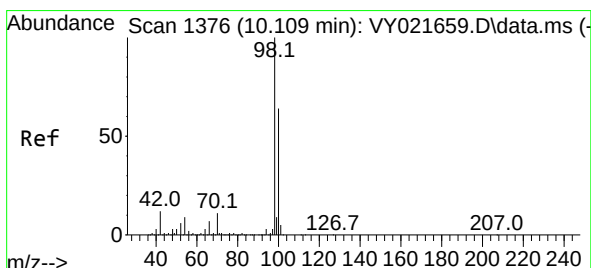
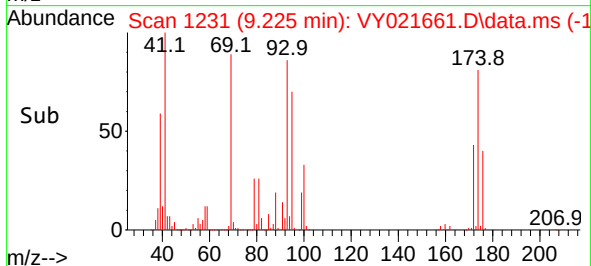
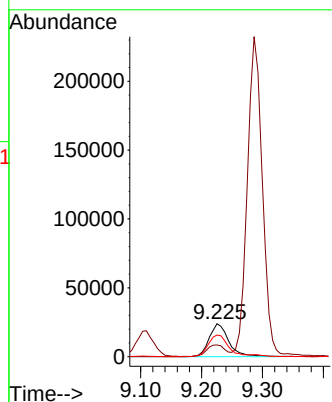
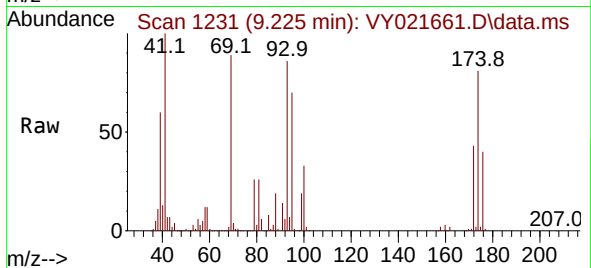
Tgt Ion: 88 Resp: 53338

Ion Ratio Lower Upper

88 100

43 33.6 28.8 43.2

58 67.8 59.4 89.2



#50

Toluene-d8

Concen: 146.020 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021661.D

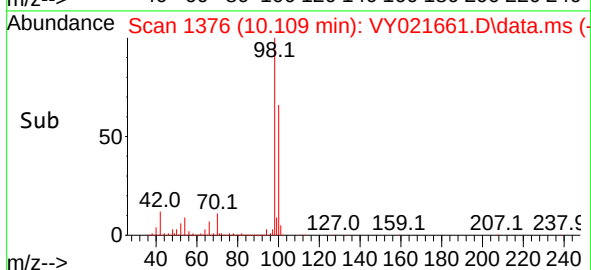
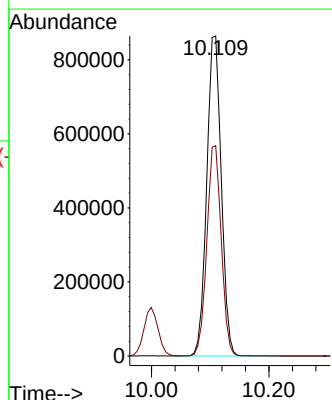
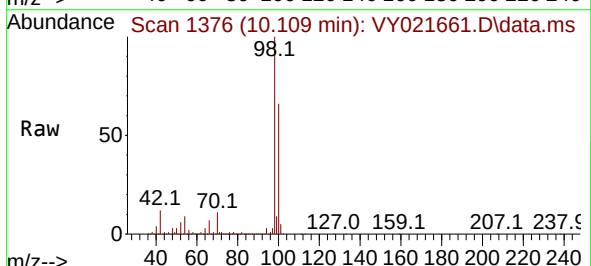
Acq: 27 Mar 2025 12:02

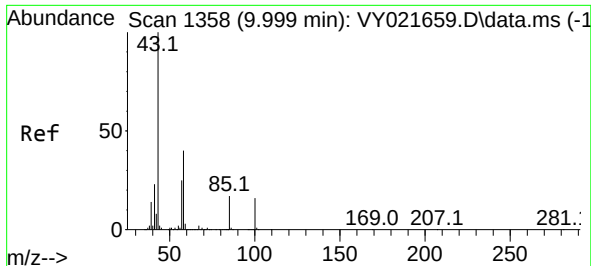
Tgt Ion: 98 Resp: 1485725

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 737.160 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

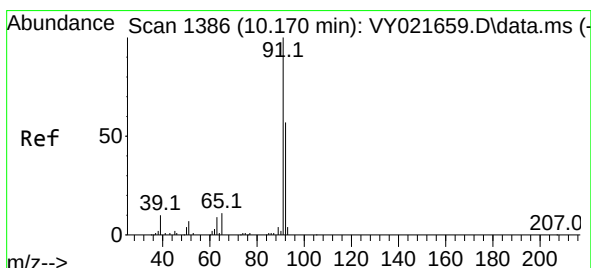
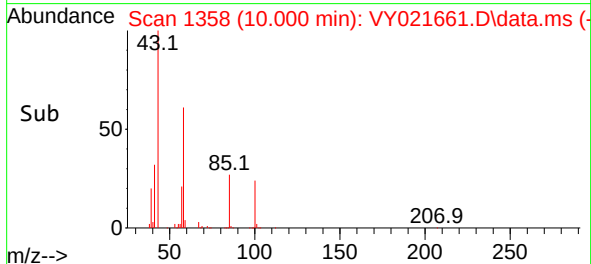
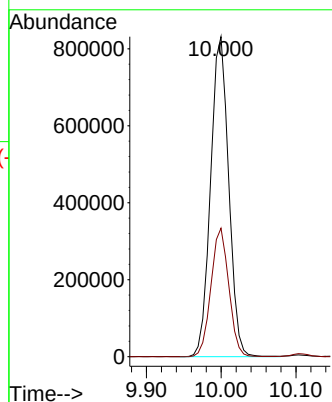
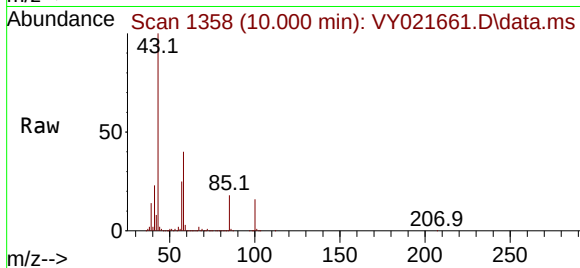
VSTDICC150

Tgt Ion: 43 Resp: 1397678

Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3



#52

Toluene

Concen: 143.758 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021661.D

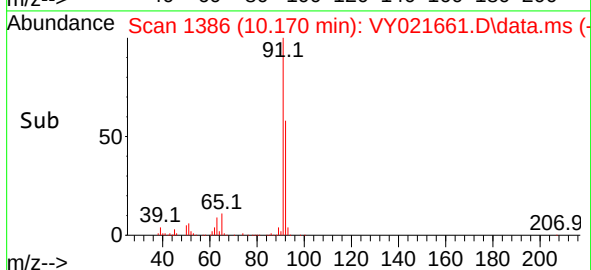
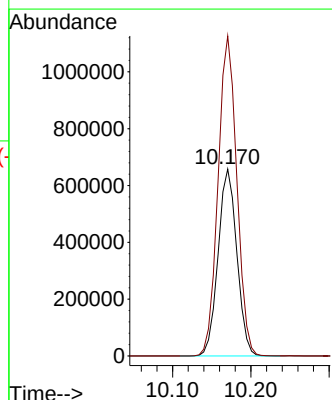
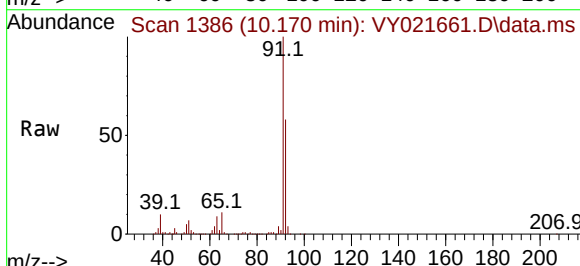
Acq: 27 Mar 2025 12:02

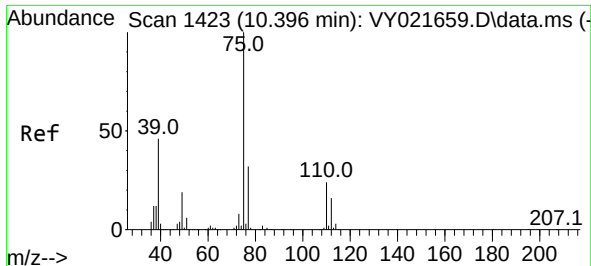
Tgt Ion: 92 Resp: 1094229

Ion Ratio Lower Upper

92 100

91 171.6 138.6 207.8

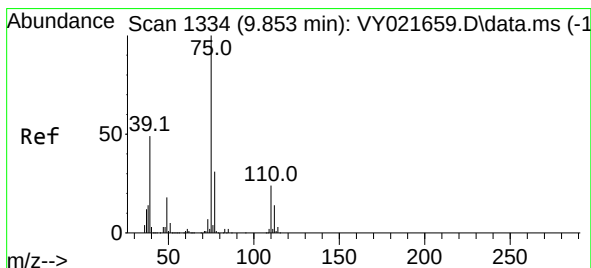
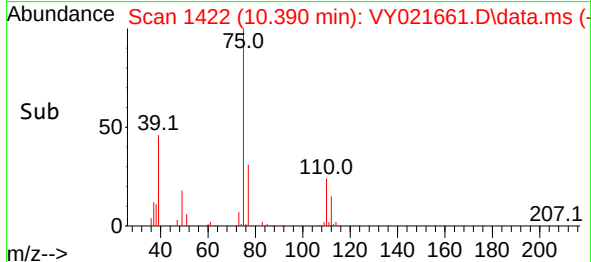
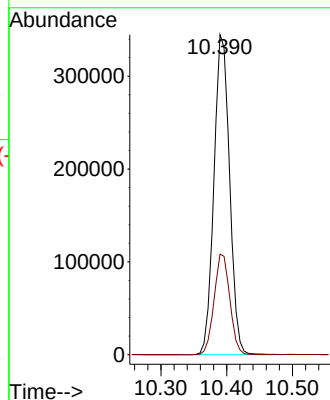
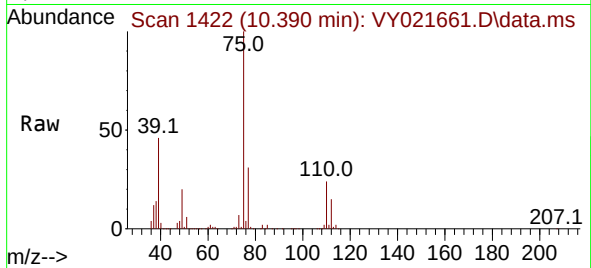




#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

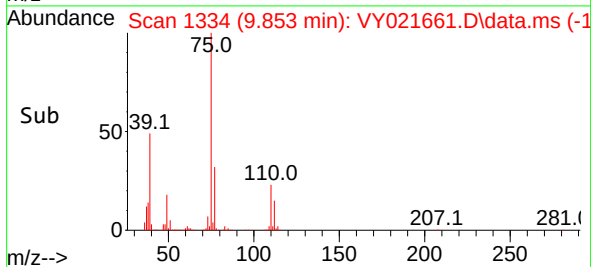
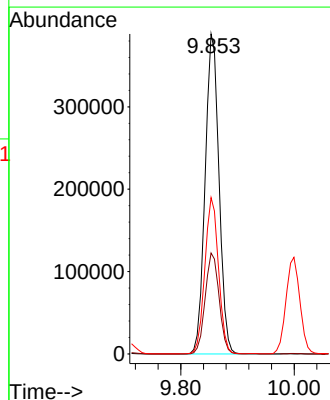
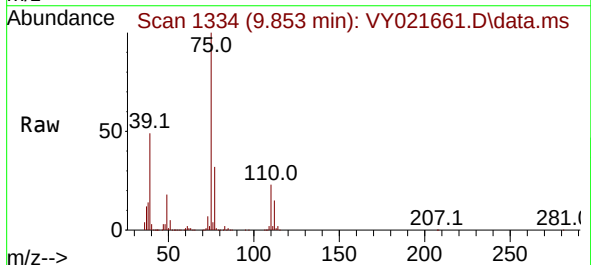
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

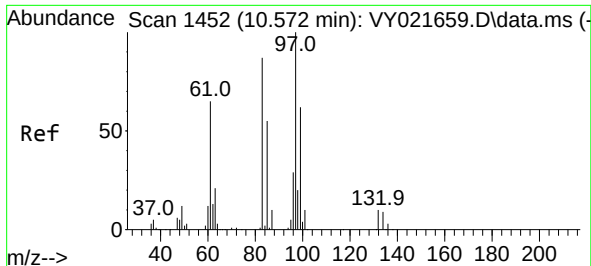
Tgt Ion: 75 Resp: 570388
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 146.159 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 660476
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.8 39.2 58.8

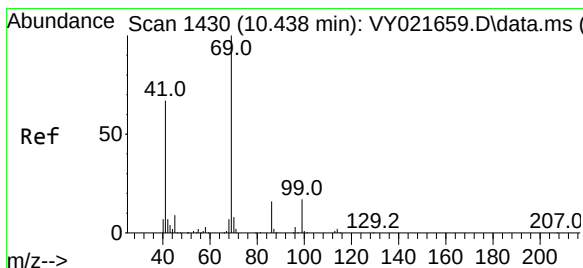
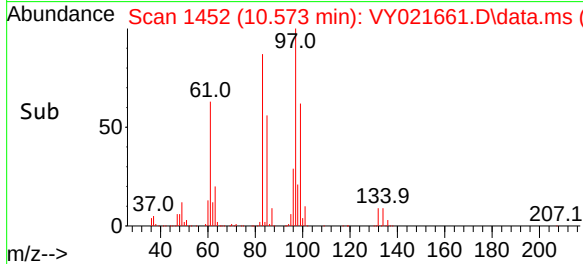
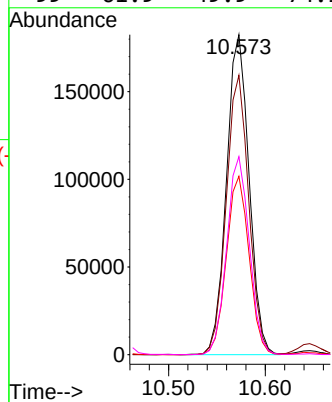
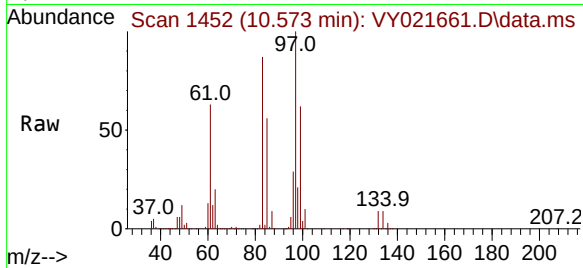




#55
1,1,2-Trichloroethane
Concen: 138.396 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

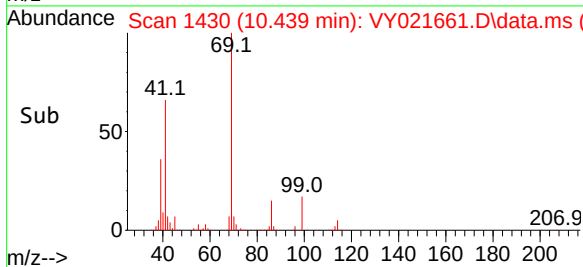
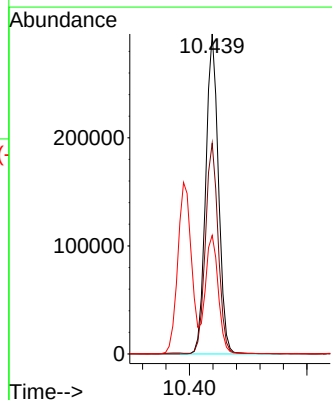
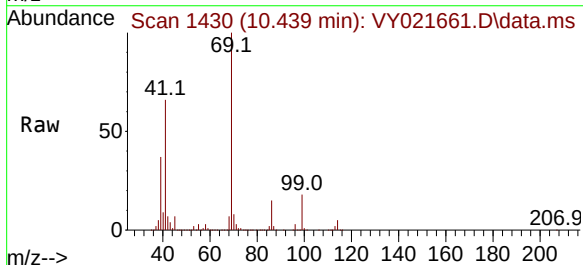
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

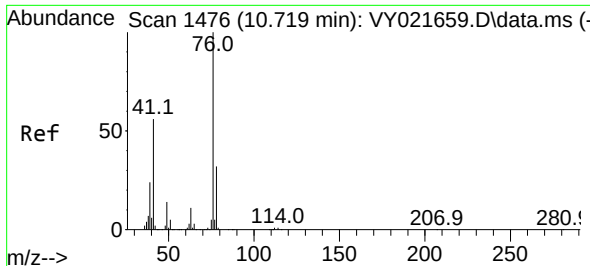
Tgt Ion:	97	Resp:	296412
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.5	104.3
85	55.8	43.9	65.9
99	61.9	49.9	74.9



#56
Ethyl methacrylate
Concen: 162.176 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:	69	Resp:	443517
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	37.9	29.6	44.4





#57

1,3-Dichloropropane

Concen: 139.961 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

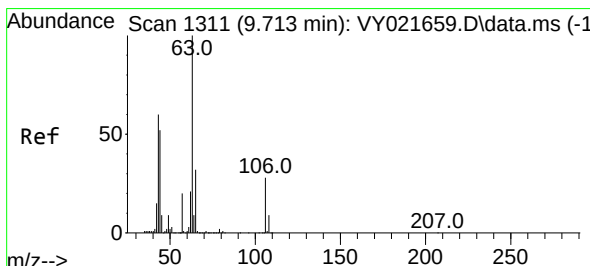
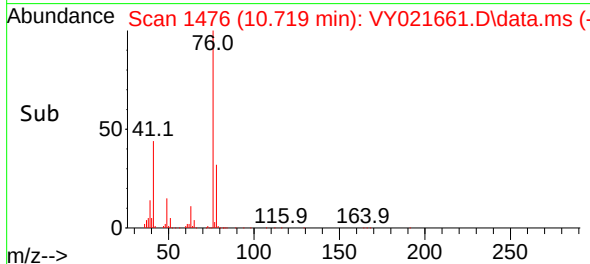
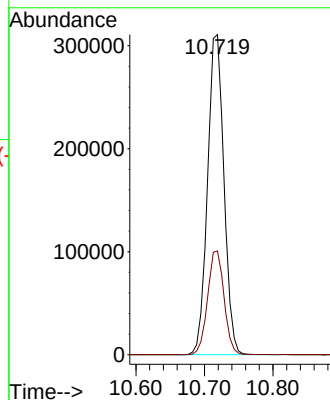
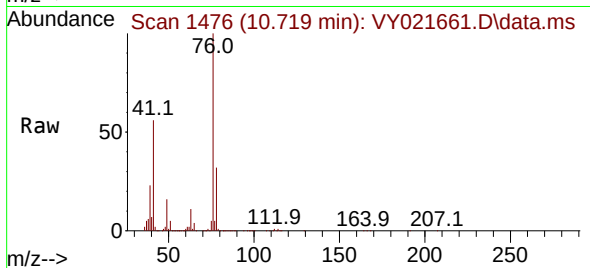
VSTDIC150

Tgt Ion: 76 Resp: 517706

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 795.867 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY021661.D

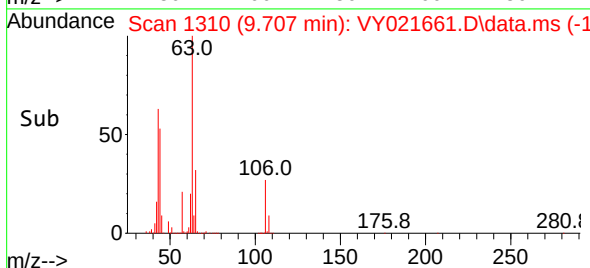
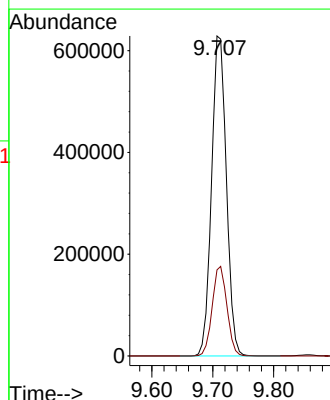
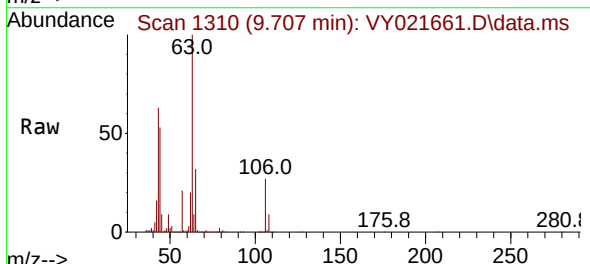
Acq: 27 Mar 2025 12:02

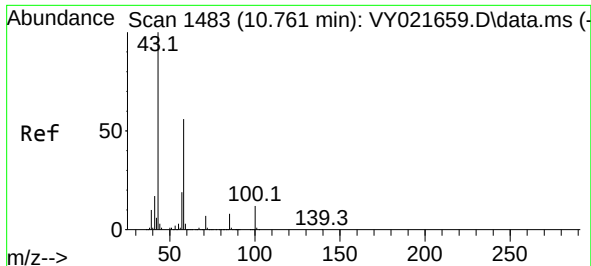
Tgt Ion: 63 Resp: 1061779

Ion Ratio Lower Upper

63 100

106 27.8 22.4 33.6

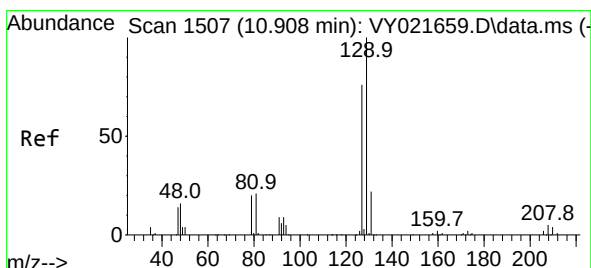
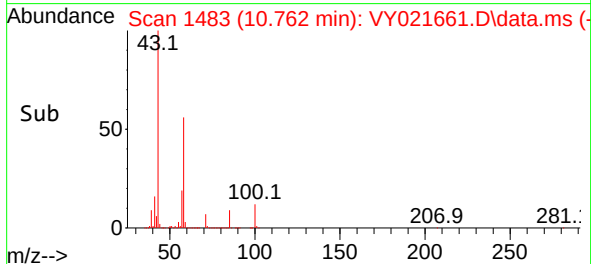
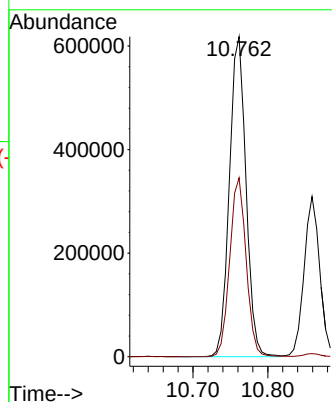
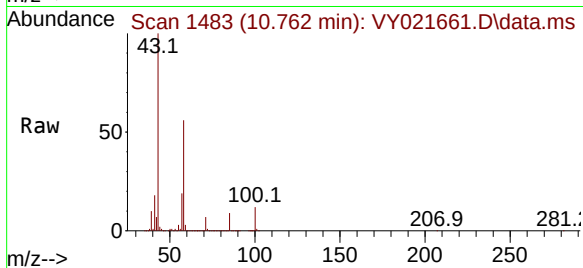




#59
2-Hexanone
Concen: 756.341 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

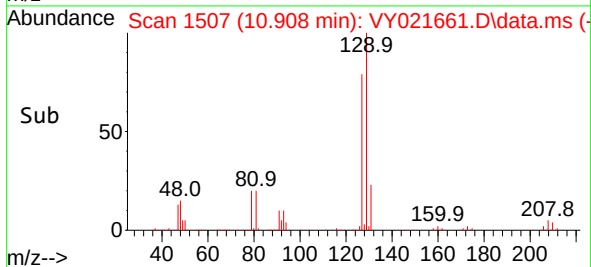
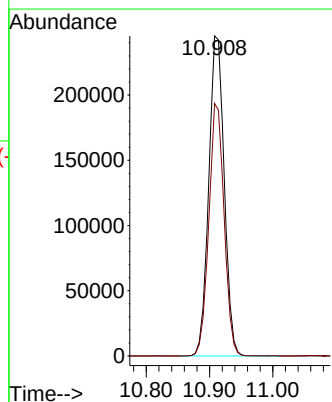
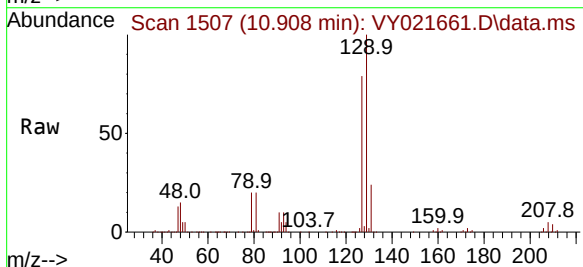
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

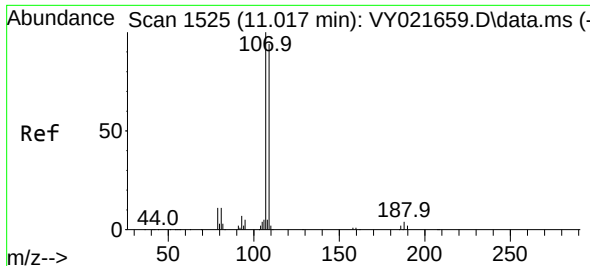
Tgt Ion: 43 Resp: 955051
Ion Ratio Lower Upper
43 100
58 55.4 27.2 81.5



#60
Dibromochloromethane
Concen: 142.682 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 129 Resp: 417230
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7

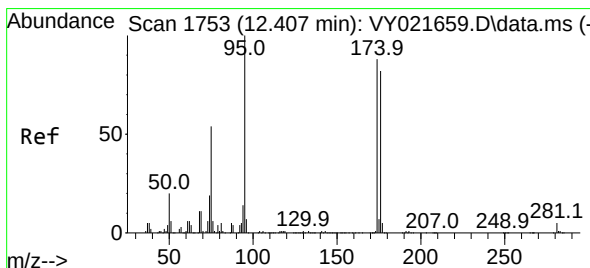
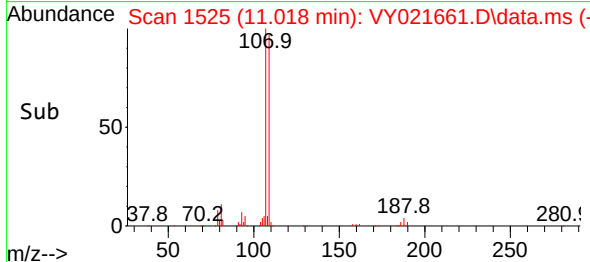
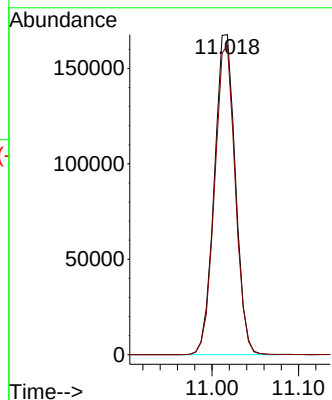
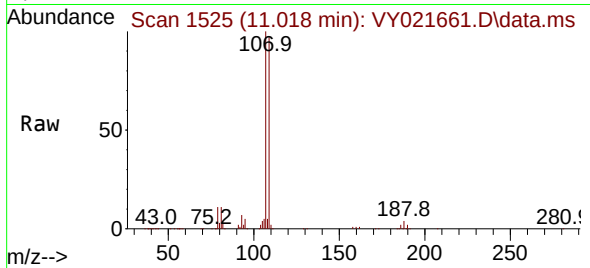




#61
1,2-Dibromoethane
Concen: 141.082 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

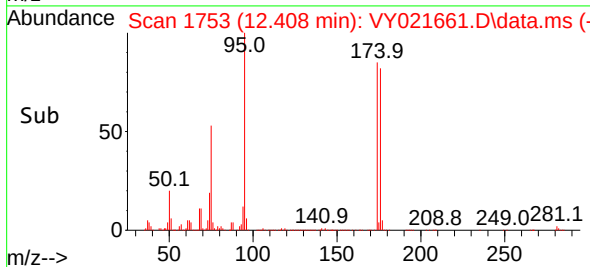
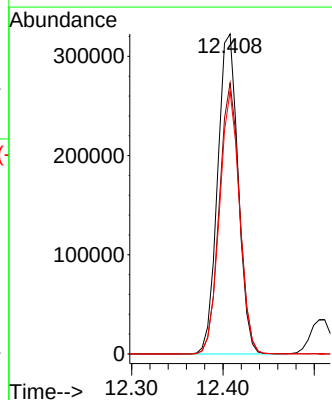
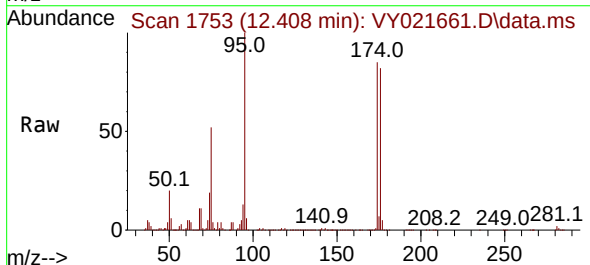
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

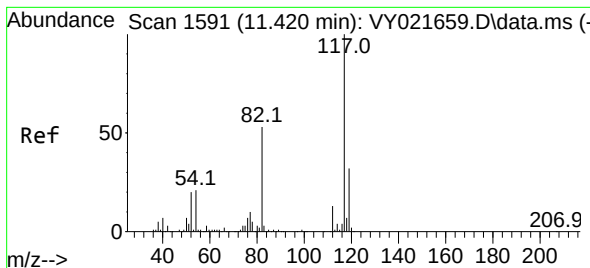
Tgt Ion:107 Resp: 283453
Ion Ratio Lower Upper
107 100
109 94.7 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 95 Resp: 503406
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.8
176 80.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

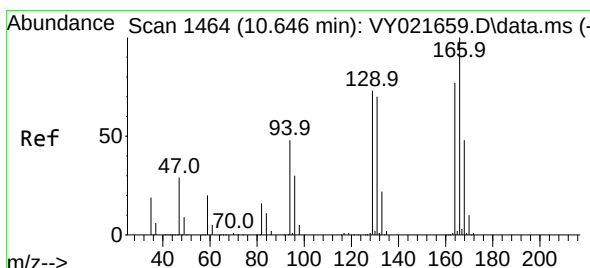
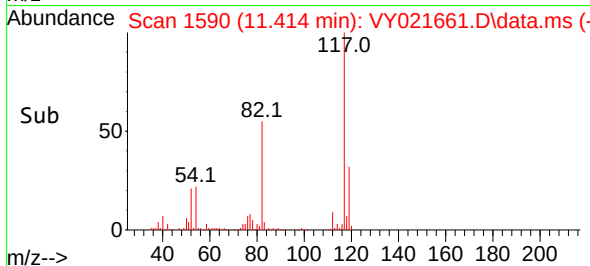
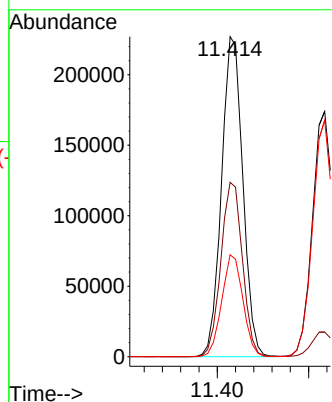
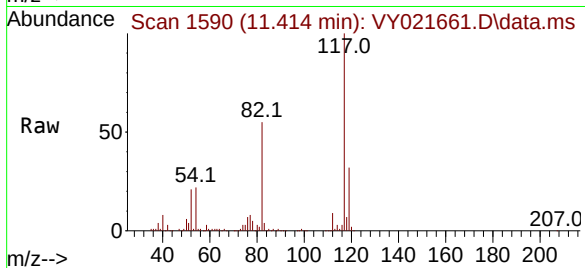
Tgt Ion:117 Resp: 367282

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

119 31.9 25.7 38.5



#64

Tetrachloroethene

Concen: 125.966 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Tgt Ion:164 Resp: 421368

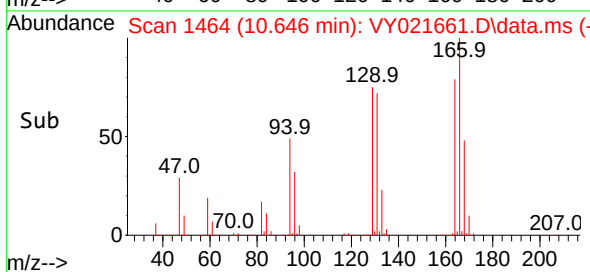
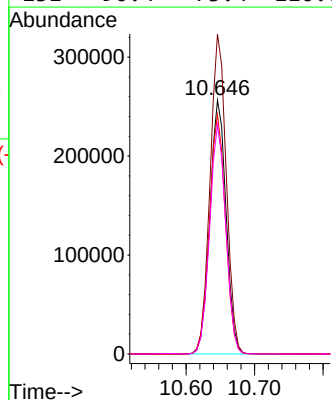
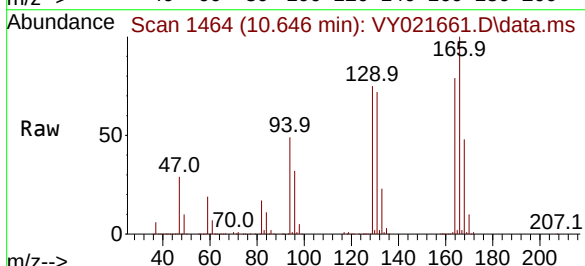
Ion Ratio Lower Upper

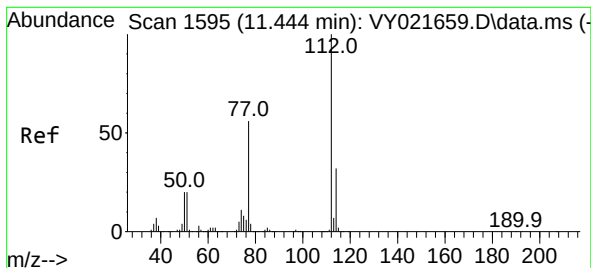
164 100

166 126.1 104.6 156.8

129 94.3 76.6 114.8

131 90.4 73.4 110.0

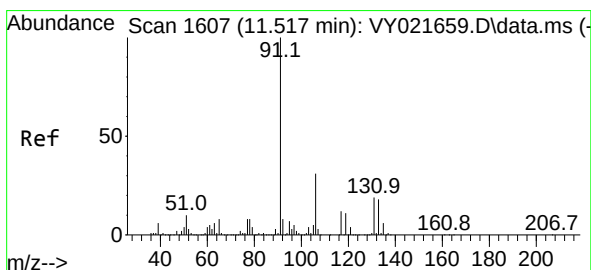
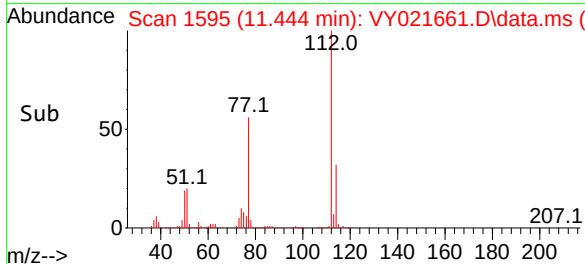
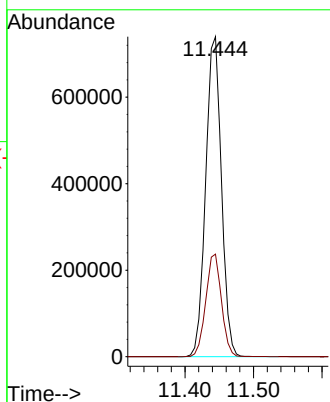
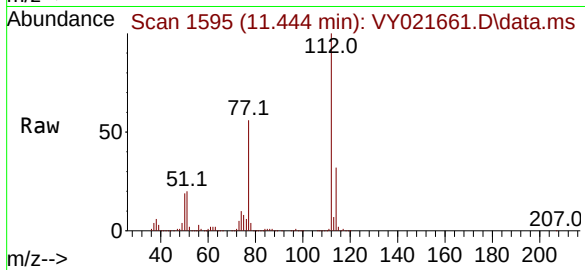




#65
Chlorobenzene
Concen: 140.483 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

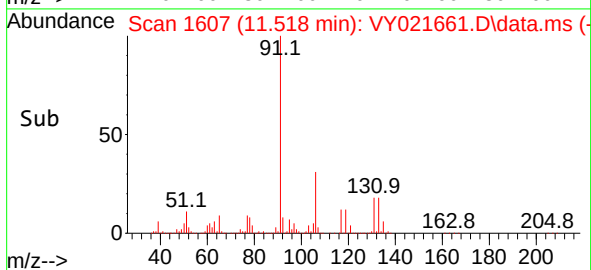
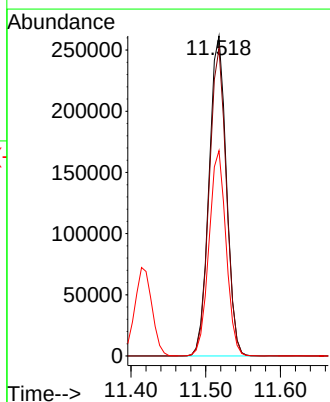
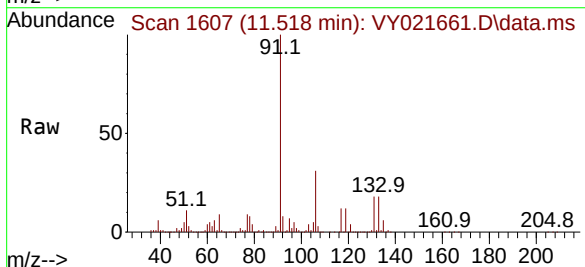
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

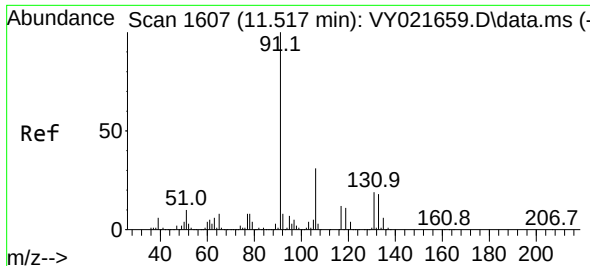
Tgt Ion:112 Resp: 1182770
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 140.910 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:131 Resp: 420924
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 63.4 31.6 95.0





#67

Ethyl Benzene

Concen: 147.665 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

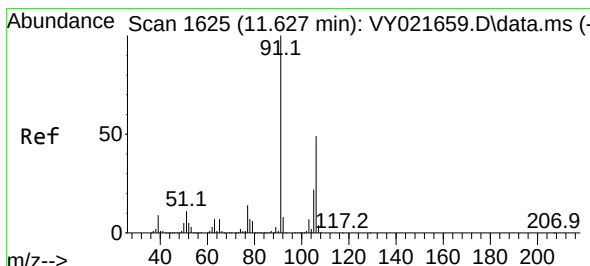
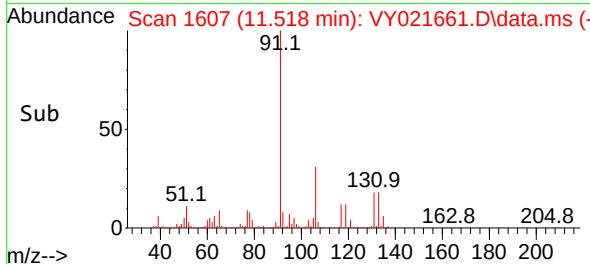
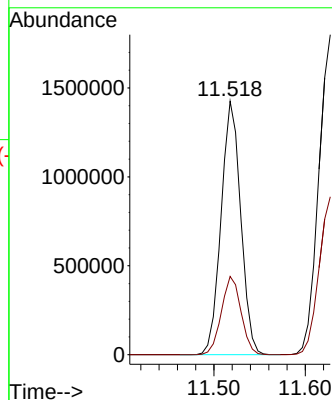
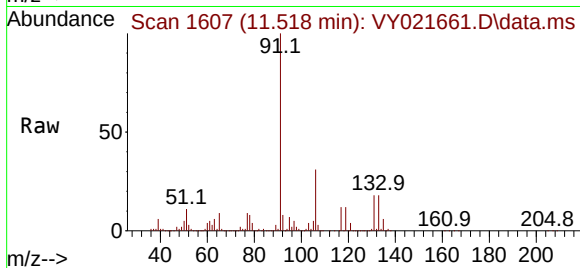
VSTDIC150

Tgt Ion: 91 Resp: 2131884

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 291.277 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021661.D

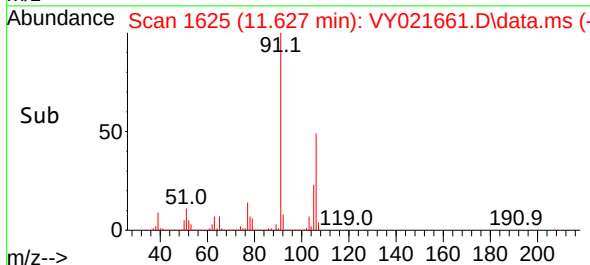
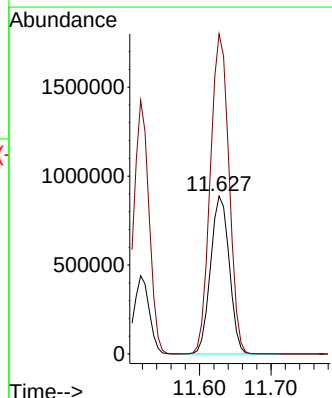
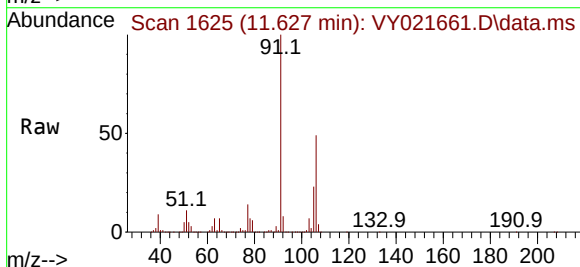
Acq: 27 Mar 2025 12:02

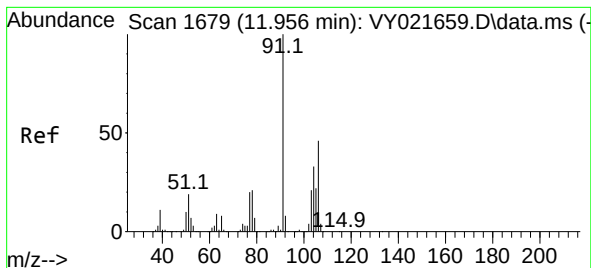
Tgt Ion:106 Resp: 1610305

Ion Ratio Lower Upper

106 100

91 203.1 162.4 243.6

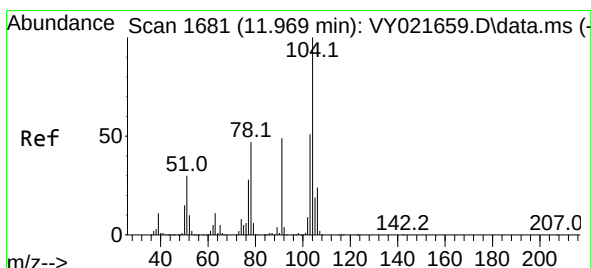
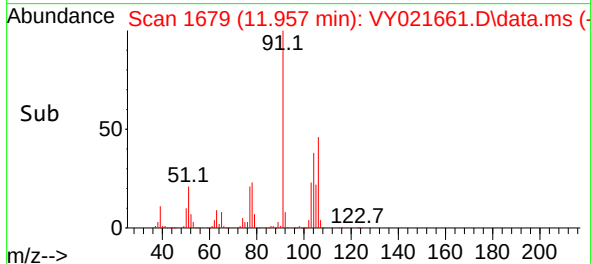
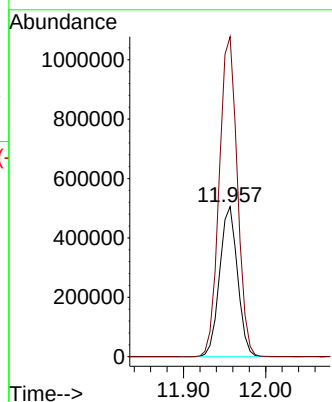
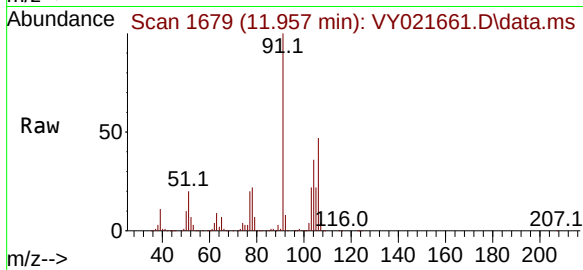




#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

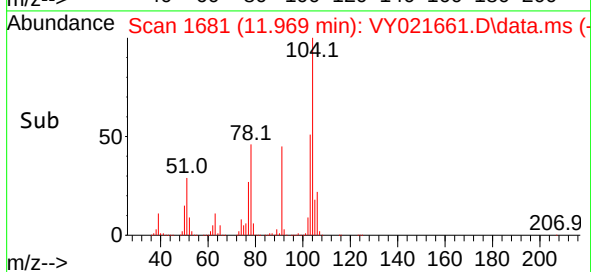
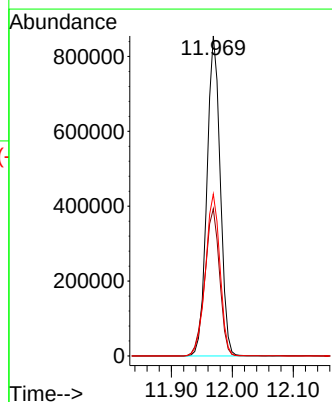
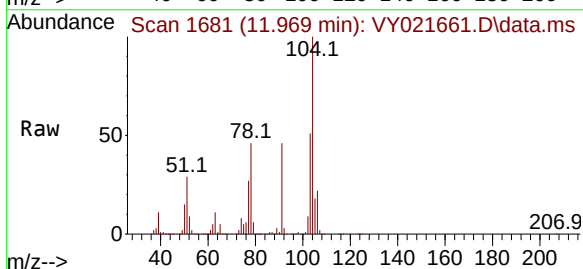
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

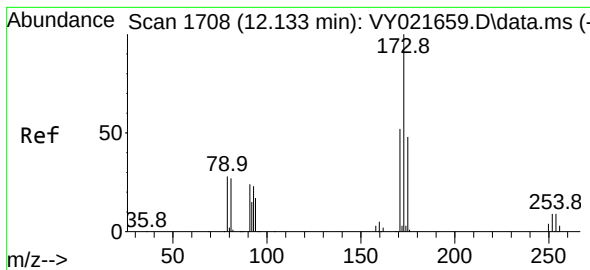
Tgt Ion:106 Resp: 764721
Ion Ratio Lower Upper
106 100
91 216.0 106.7 319.9



#70
Styrene
Concen: 152.877 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:104 Resp: 1300778
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 54.8 44.2 66.2





#71

Bromoform

Concen: 143.224 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

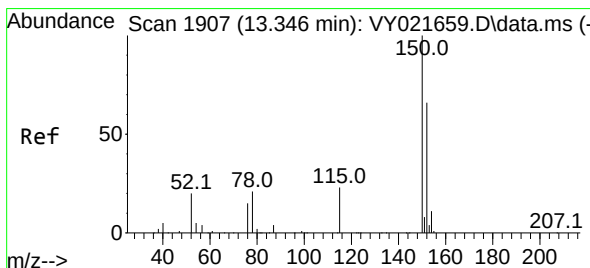
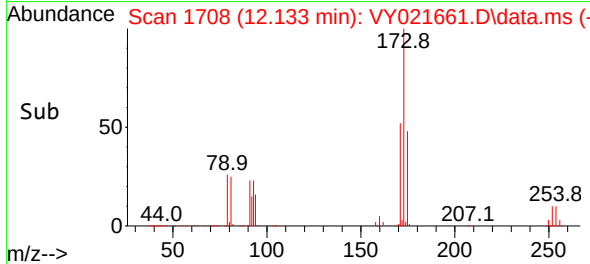
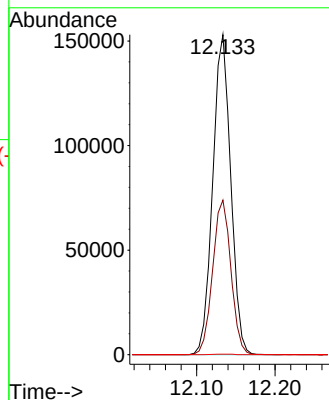
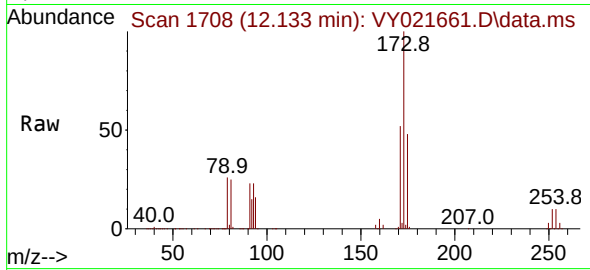
Tgt Ion:173 Resp: 244045

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

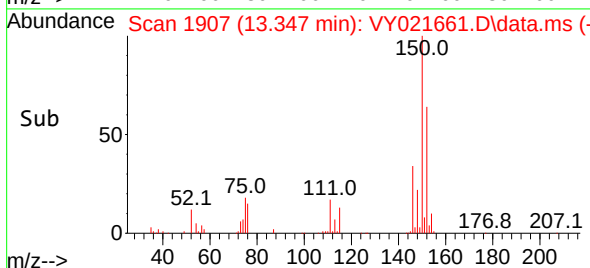
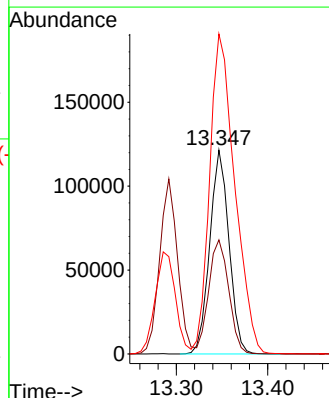
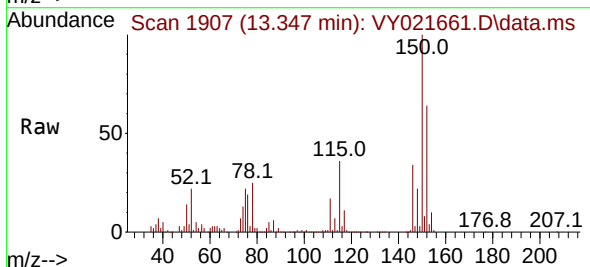
Tgt Ion:152 Resp: 177289

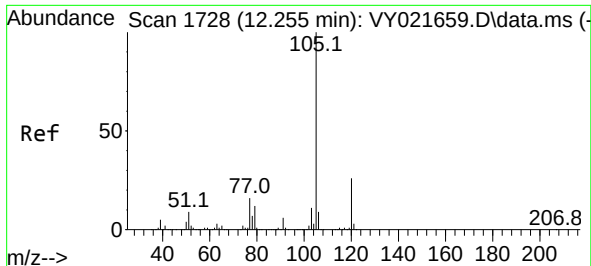
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 205.3 0.0 348.4

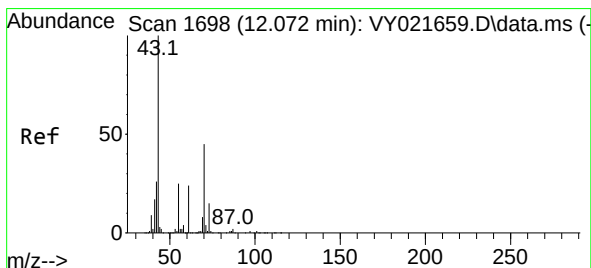
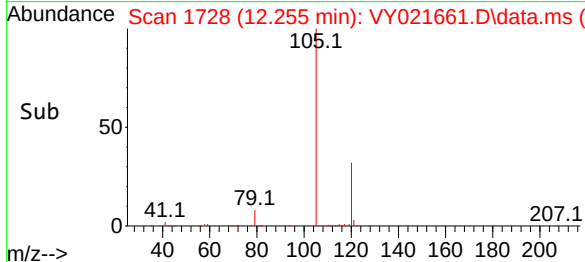
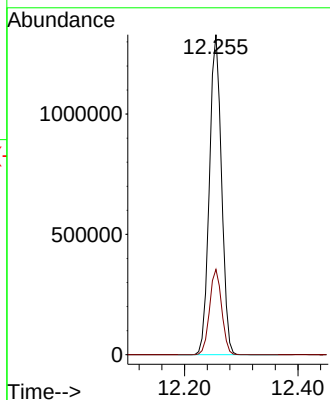
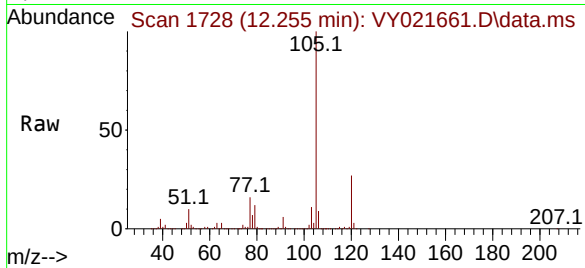




#73
Isopropylbenzene
Concen: 149.537 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

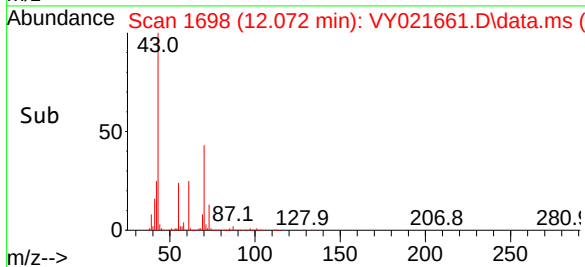
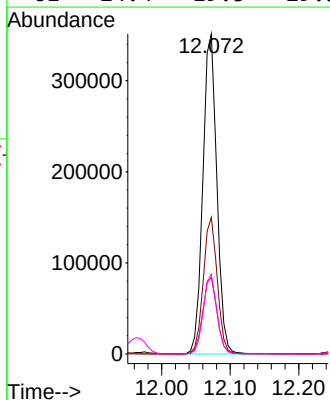
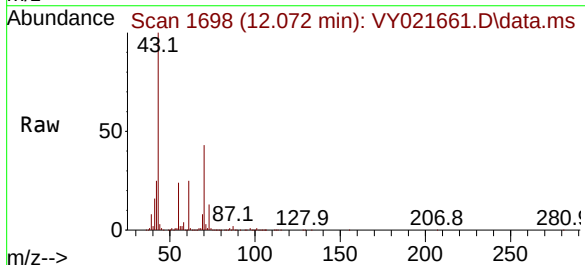
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

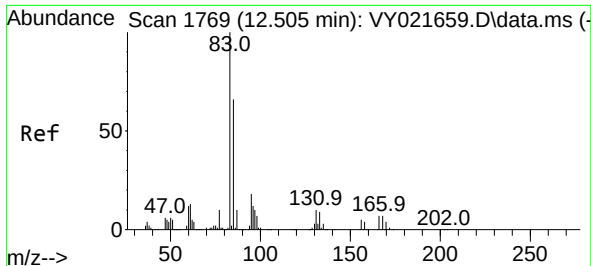
Tgt Ion:105 Resp: 1969094
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5



#74
N-ethyl acetate
Concen: 161.437 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 498903
Ion Ratio Lower Upper
43 100
70 42.6 34.7 52.1
55 24.5 21.2 31.8
61 24.4 19.5 29.3

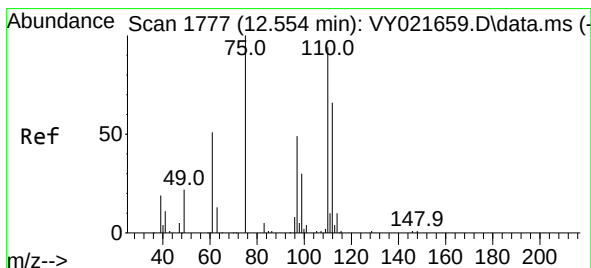
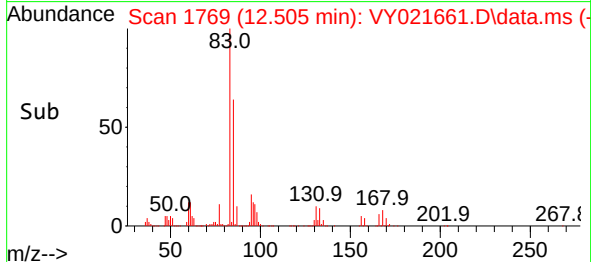
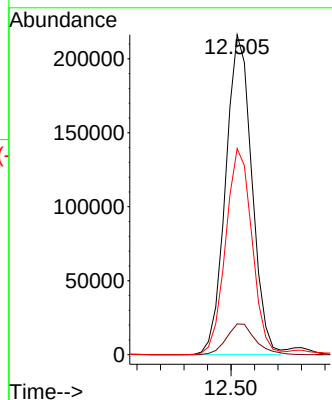
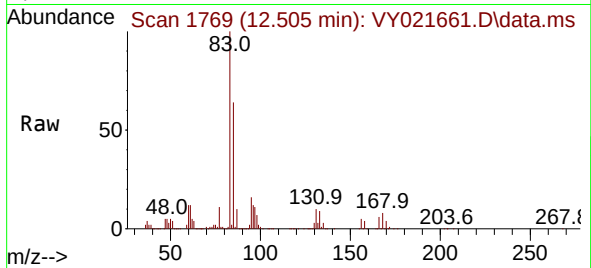




#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

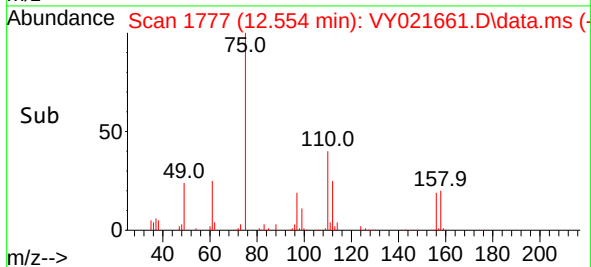
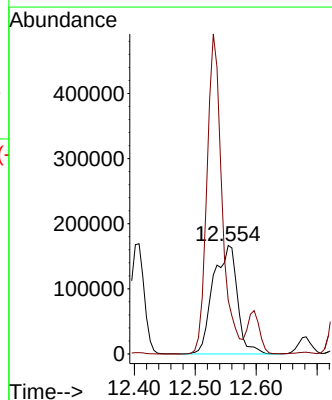
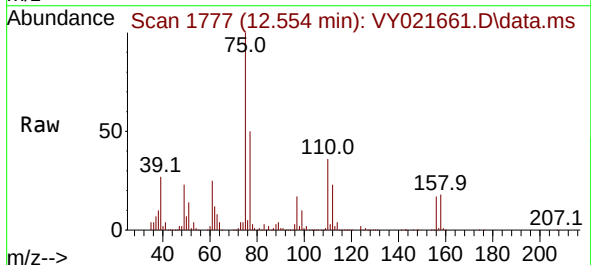
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

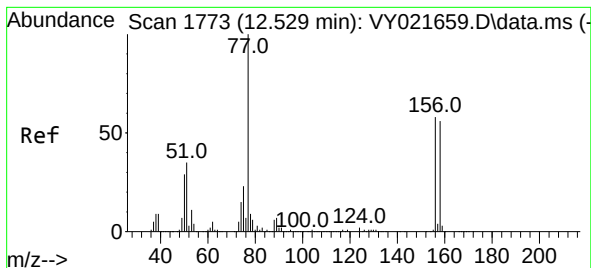
Tgt Ion: 83 Resp: 335483
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 65.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 261.385 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 459355
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 145.881 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

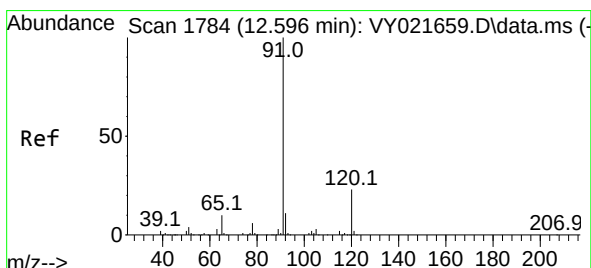
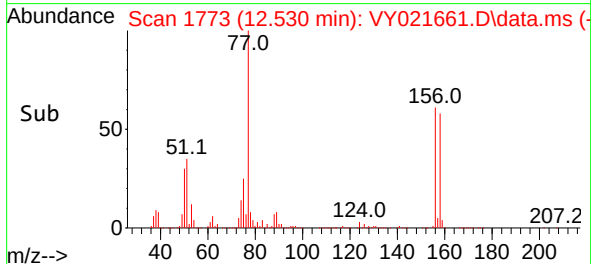
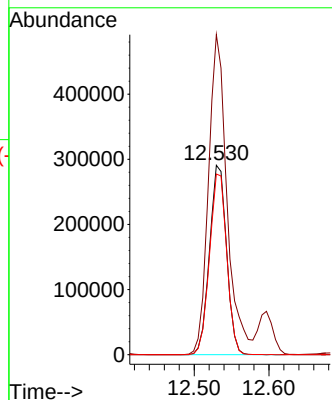
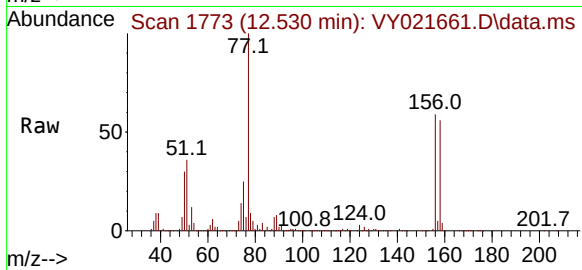
Tgt Ion:156 Resp: 461221

Ion Ratio Lower Upper

156 100

77 184.1 92.8 278.3

158 96.6 48.5 145.6



#78

n-propylbenzene

Concen: 148.082 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021661.D

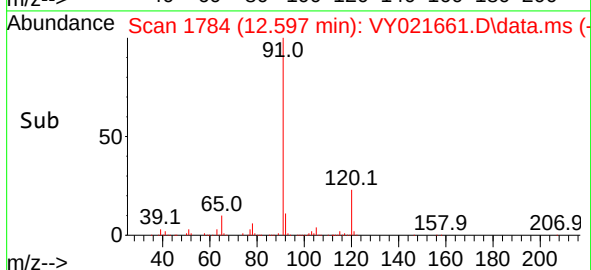
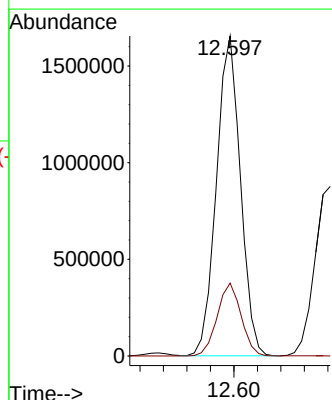
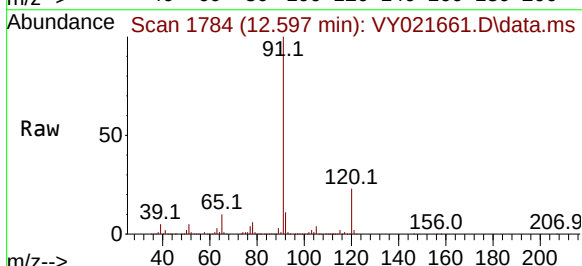
Acq: 27 Mar 2025 12:02

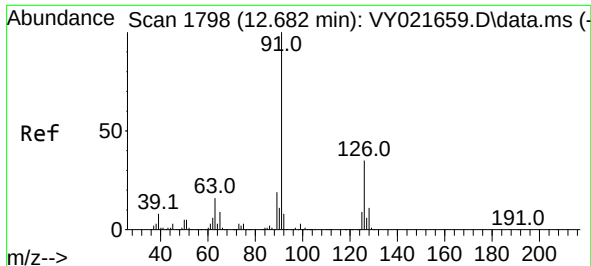
Tgt Ion: 91 Resp: 2344286

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9

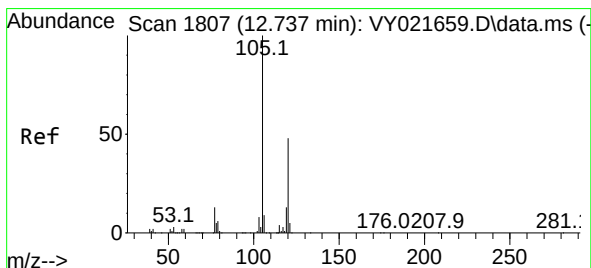
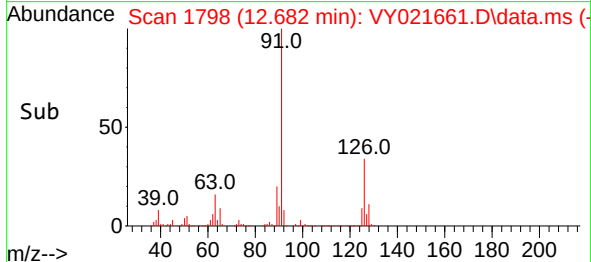
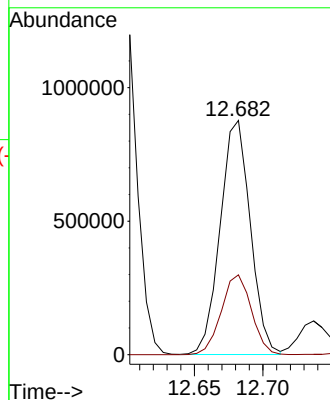
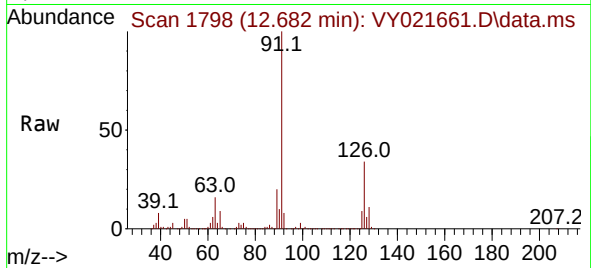




#79
2-Chlorotoluene
Concen: 146.095 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

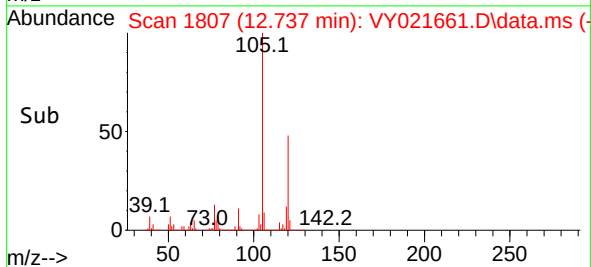
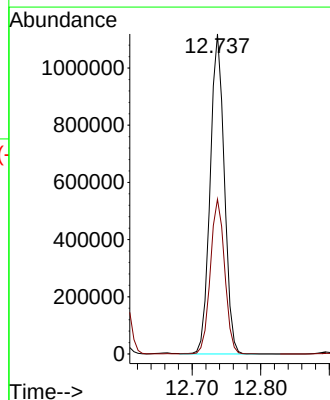
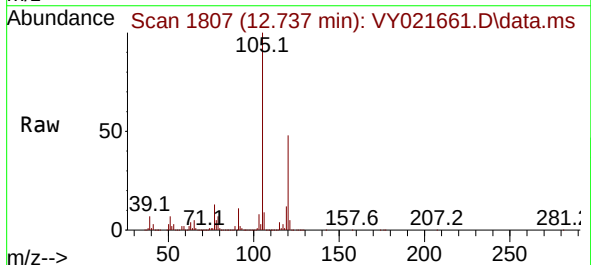
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

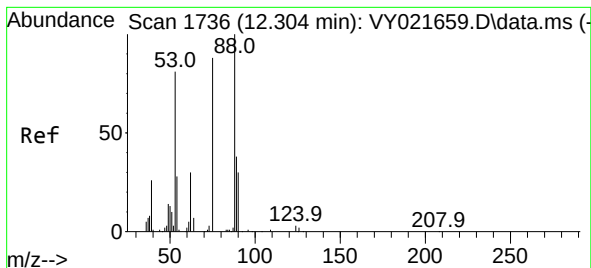
Tgt Ion: 91 Resp: 1343328
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 149.397 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 105 Resp: 1607812
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5

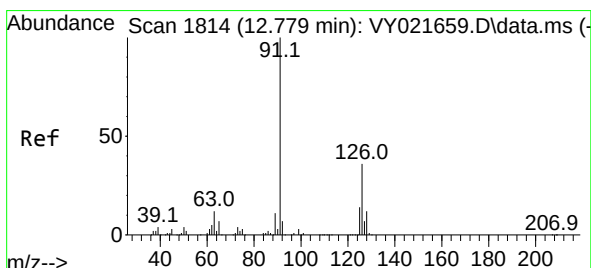
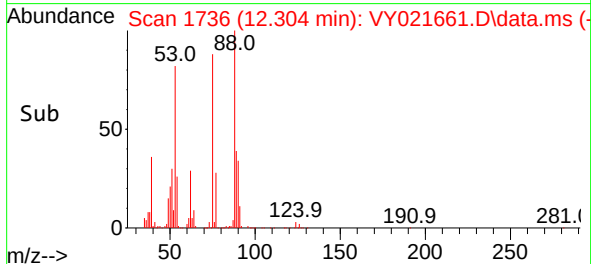
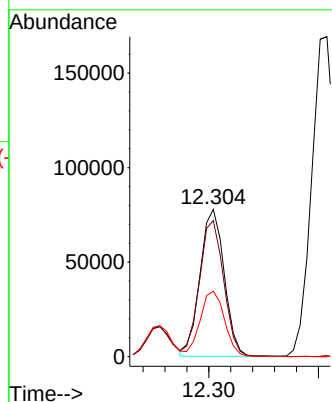
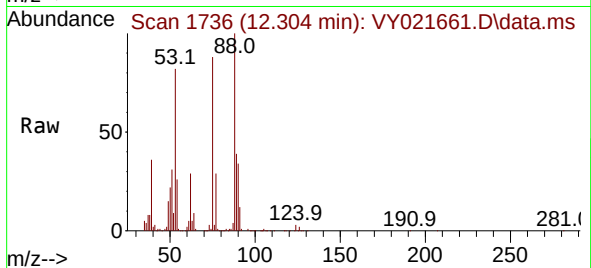




#81
trans-1,4-Dichloro-2-butene
Concen: 156.137 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

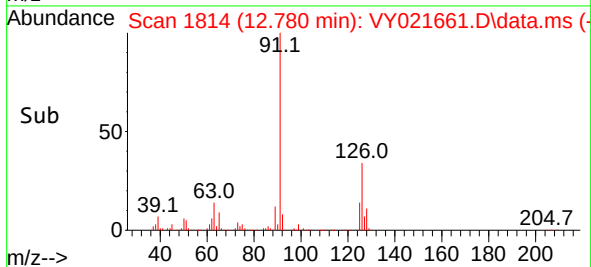
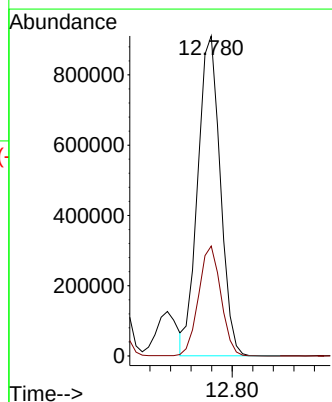
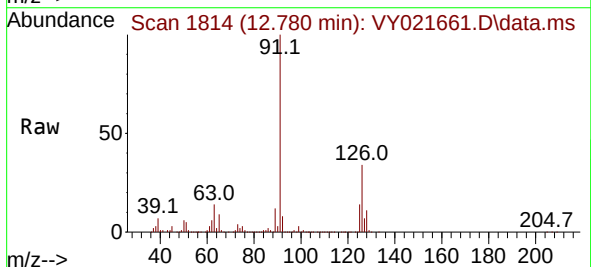
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

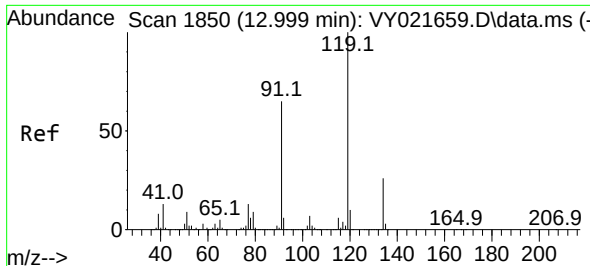
Tgt Ion: 75 Resp: 119086
Ion Ratio Lower Upper
75 100
53 93.4 76.1 114.1
89 44.8 36.2 54.4



#82
4-Chlorotoluene
Concen: 144.608 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 1386233
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9

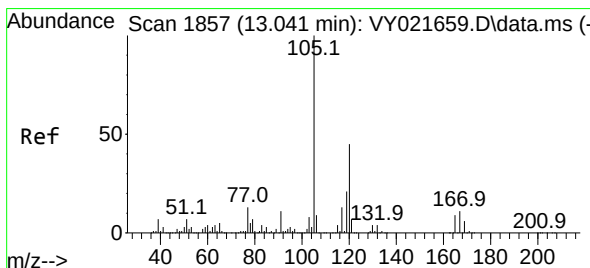
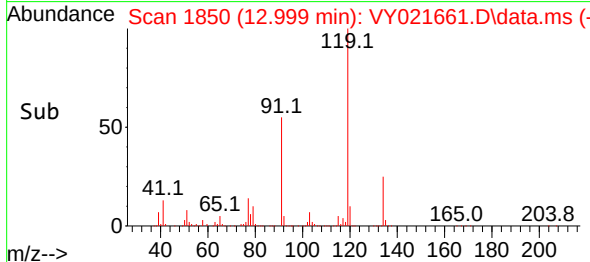
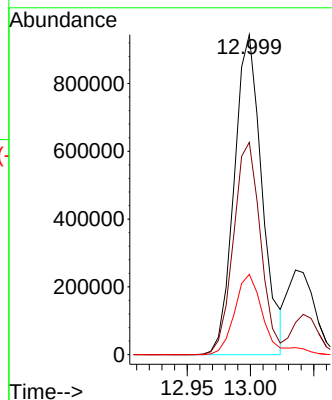
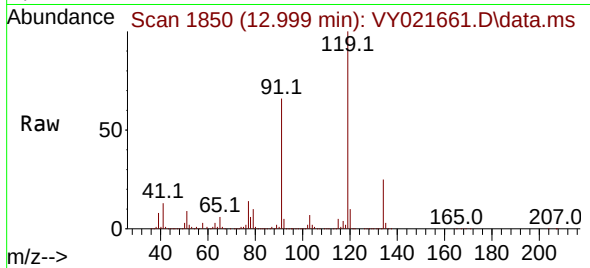




#83
 tert-Butylbenzene
 Concen: 150.647 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

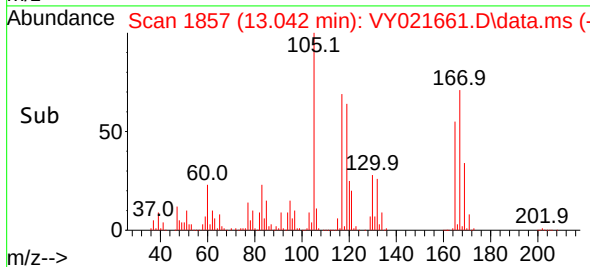
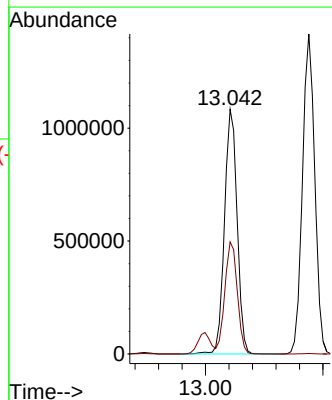
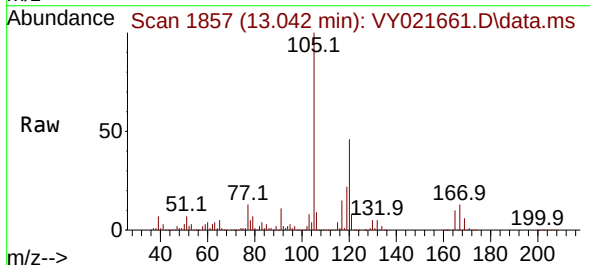
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

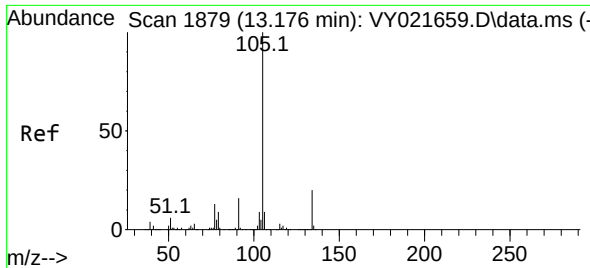
Tgt Ion:119 Resp: 1444053
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.6 97.7
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 152.003 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1616812
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.1

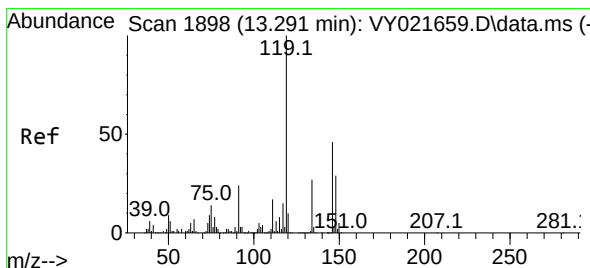
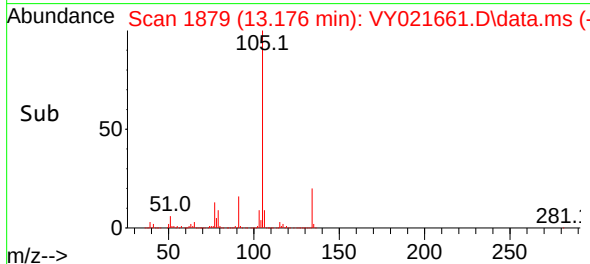
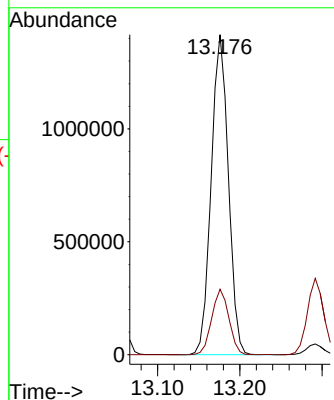
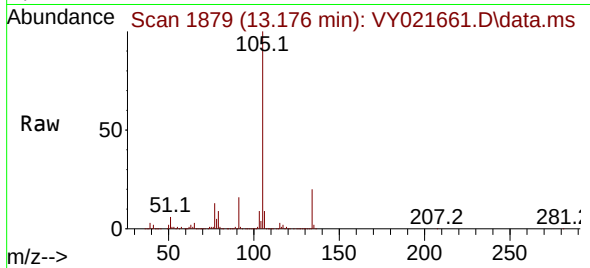




#85
 sec-Butylbenzene
 Concen: 146.493 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

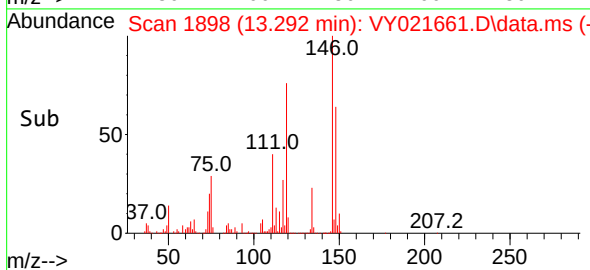
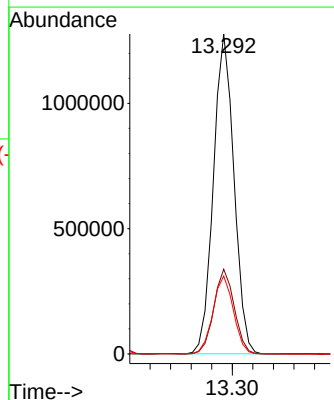
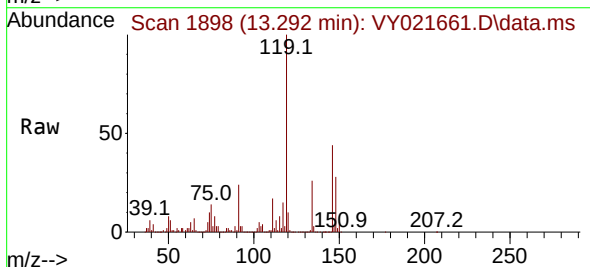
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

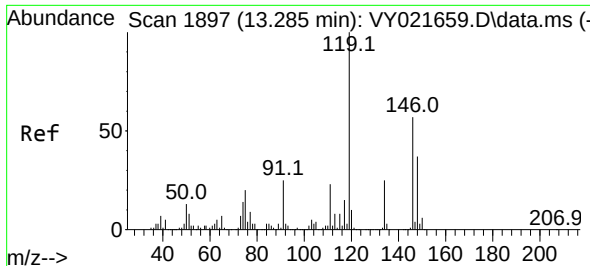
Tgt Ion:105 Resp: 2052157
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 152.863 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021661.D
 Acq: 27 Mar 2025 12:02

Tgt Ion:119 Resp: 1769866
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 24.2 12.0 36.0

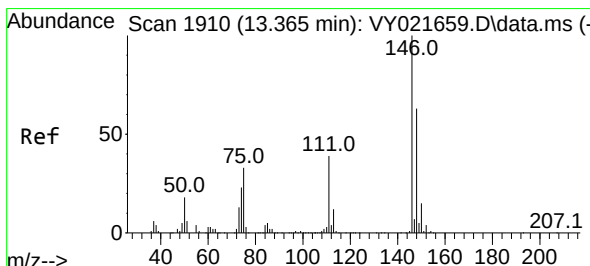
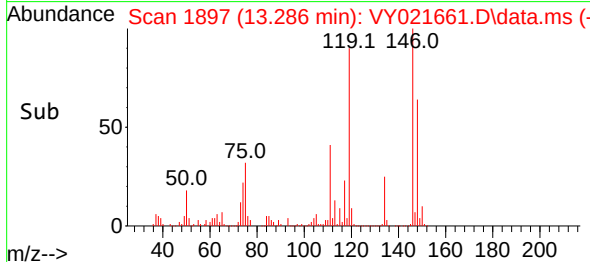
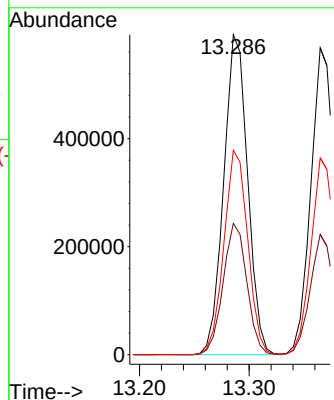
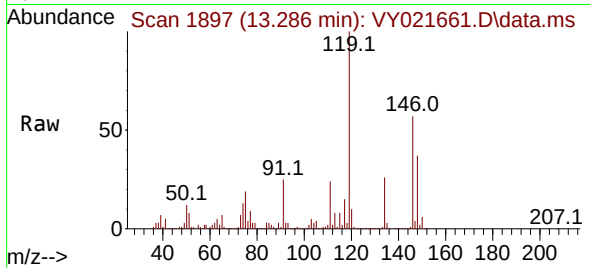




#87
1,3-Dichlorobenzene
Concen: 144.177 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

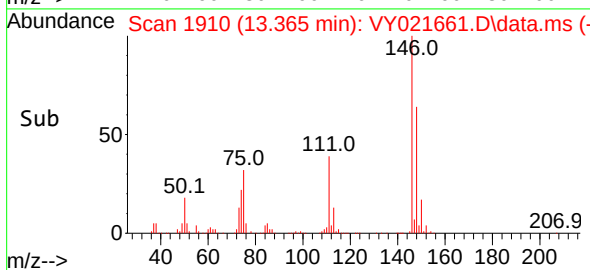
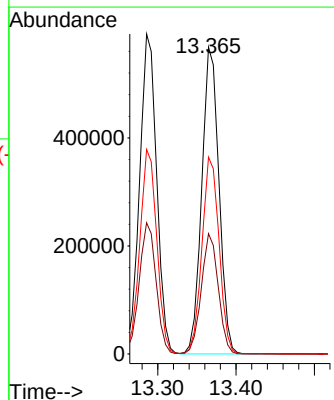
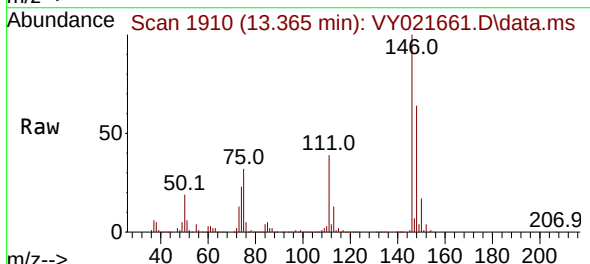
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

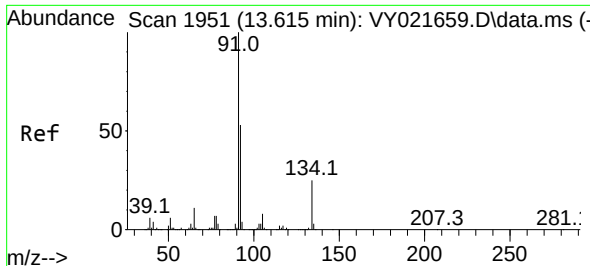
Tgt Ion:146 Resp: 898070
Ion Ratio Lower Upper
146 100
111 40.6 20.0 60.0
148 63.7 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 140.489 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 864599
Ion Ratio Lower Upper
146 100
111 38.6 19.1 57.1
148 63.9 31.5 94.5

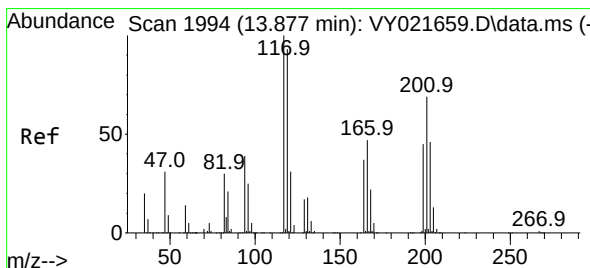
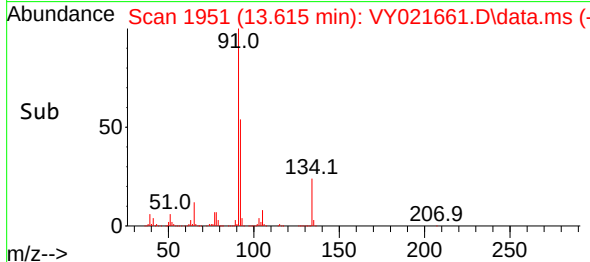
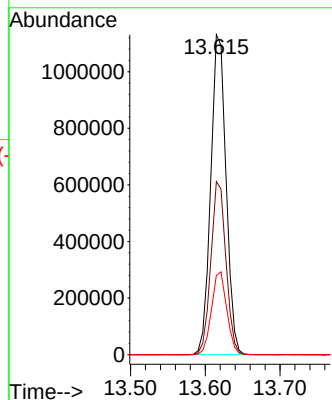
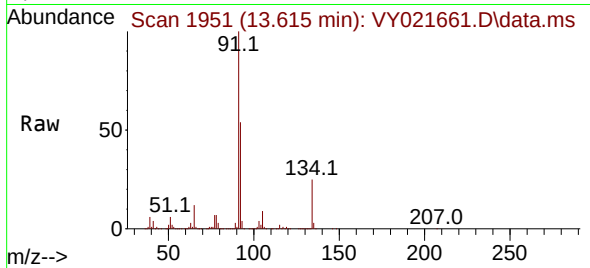




#89
n-Butylbenzene
Concen: 150.273 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

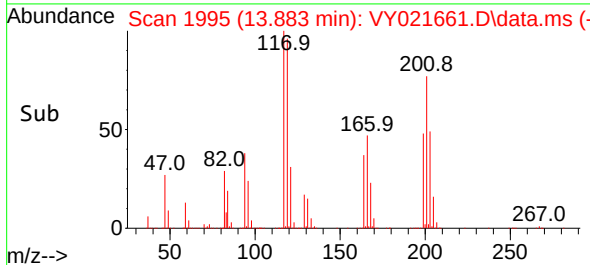
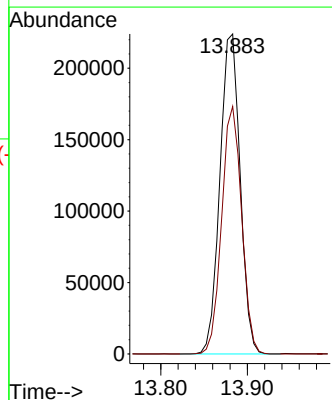
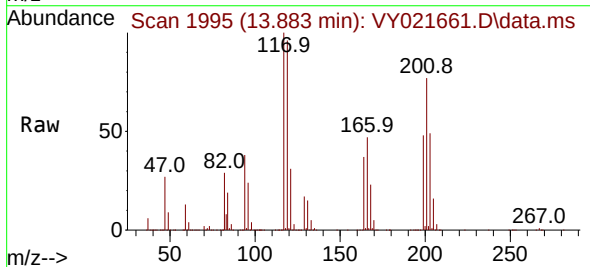
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

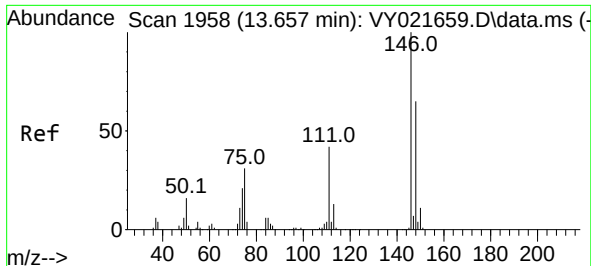
Tgt Ion: 91 Resp: 1609064
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.2
134 25.9 12.8 38.4



#90
Hexachloroethane
Concen: 143.167 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 117 Resp: 363244
Ion Ratio Lower Upper
117 100
201 76.3 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 143.668 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

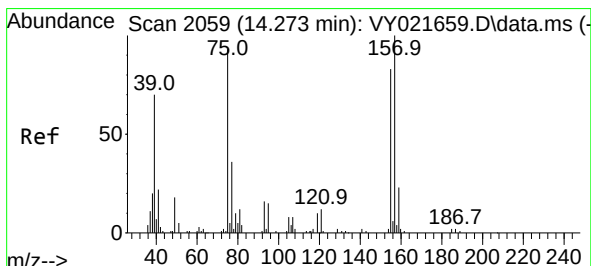
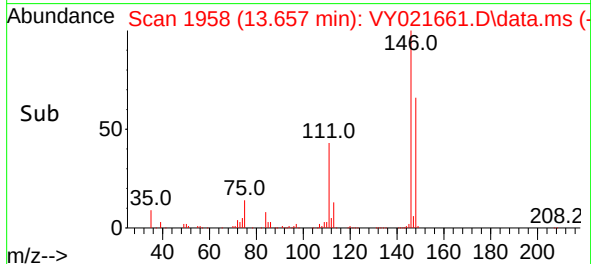
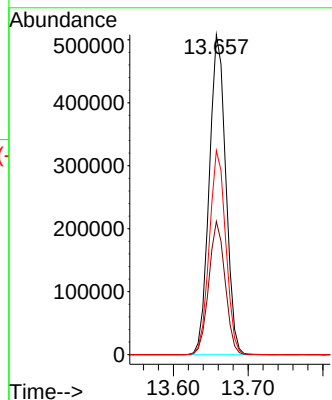
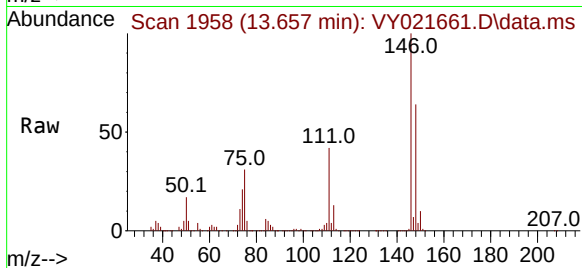
Tgt Ion:146 Resp: 779021

Ion Ratio Lower Upper

146 100

111 41.1 20.7 62.1

148 63.6 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 147.345 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

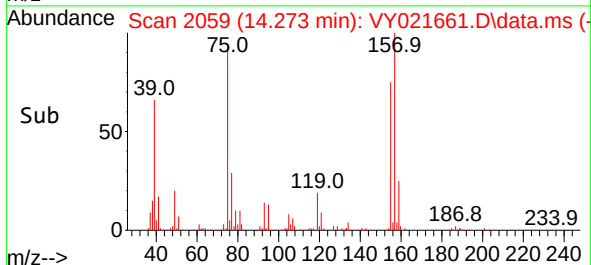
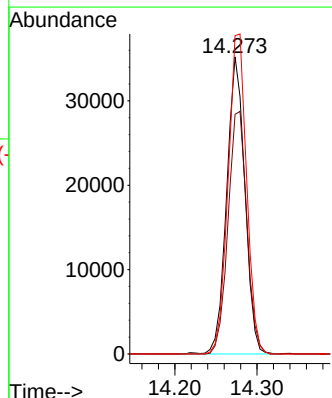
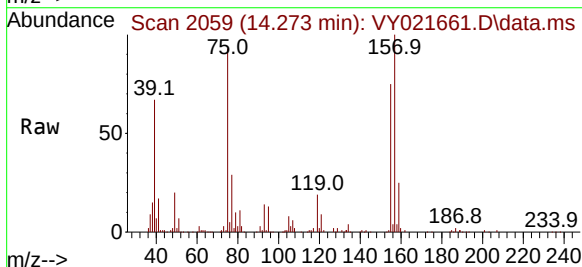
Tgt Ion: 75 Resp: 54066

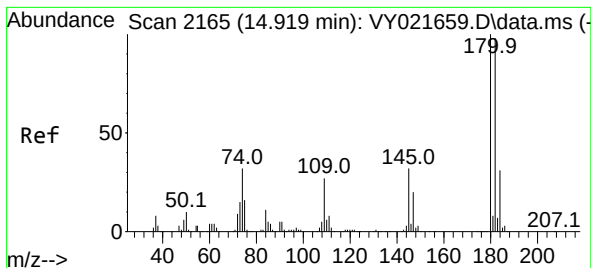
Ion Ratio Lower Upper

75 100

155 84.5 43.0 128.8

157 109.7 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 160.803 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

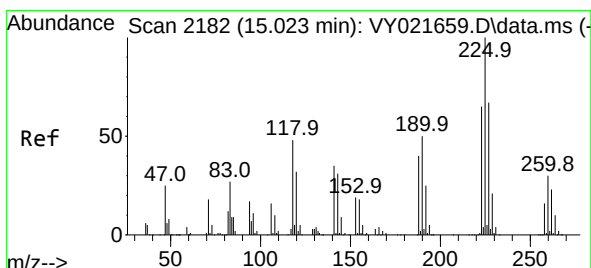
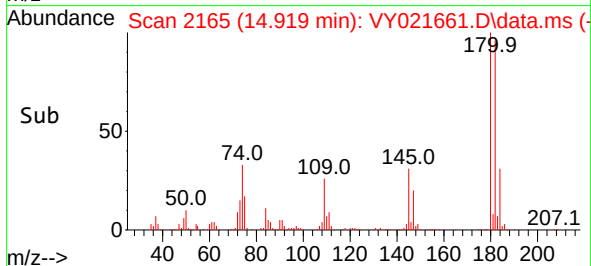
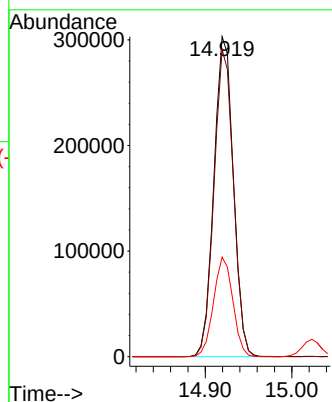
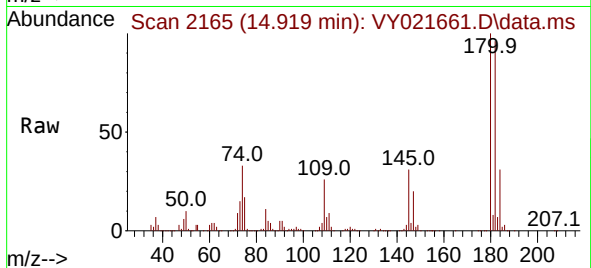
Tgt Ion:180 Resp: 472845

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.6

145 30.8 14.9 44.9



#94

Hexachlorobutadiene

Concen: 142.491 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

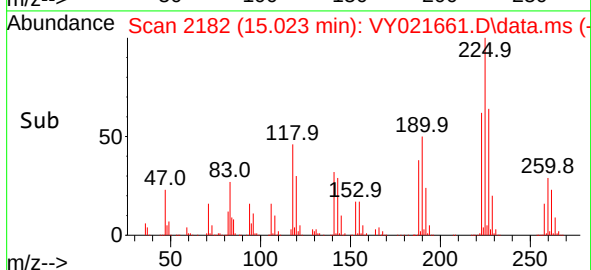
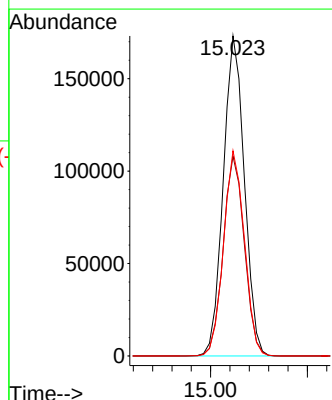
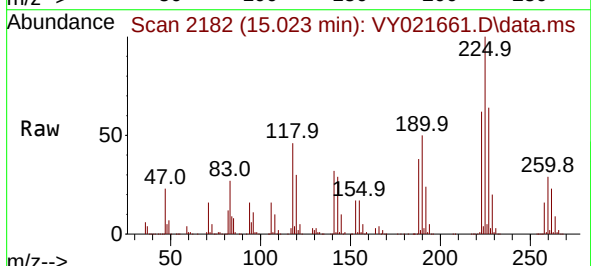
Tgt Ion:225 Resp: 261678

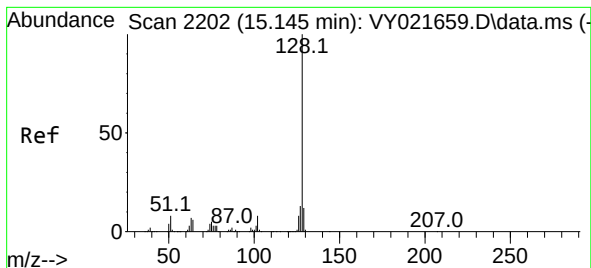
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.7

227 63.4 32.4 97.0





#95

Naphthalene

Concen: 176.342 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

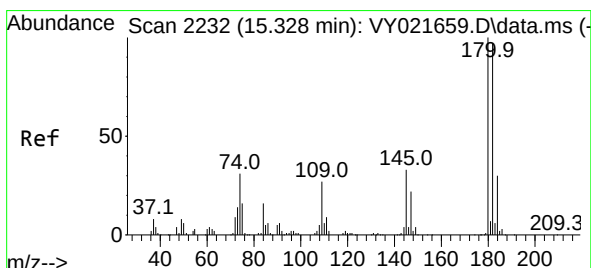
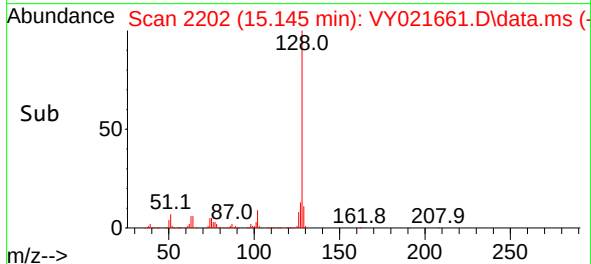
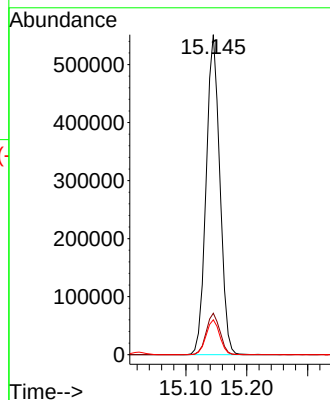
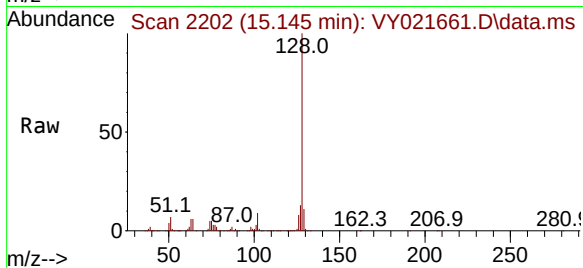
Tgt Ion:128 Resp: 859499

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 10.9 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 159.646 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021661.D

Acq: 27 Mar 2025 12:02

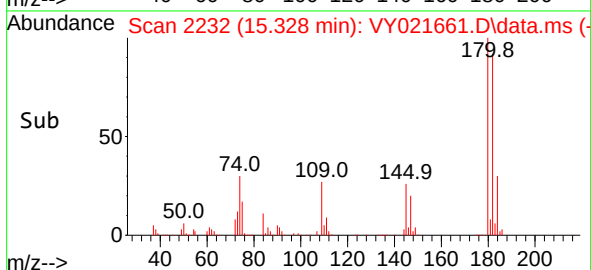
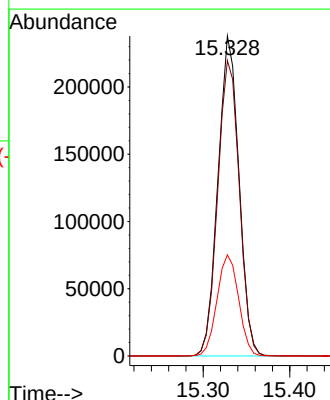
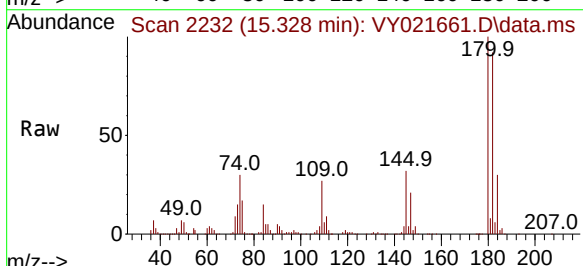
Tgt Ion:180 Resp: 400315

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.5

145 32.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.100%	
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.240%	
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.680%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l	99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l #	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l	98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l	95
46) Dibromomethane	9.231	93	76421	50.052	ug/l	98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l	99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l	98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l	100
52) Toluene	10.170	92	360002	51.555	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l	99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l	98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l	99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l	99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l	99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l	98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l	99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l	100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l	100
69) o-Xylene	11.956	106	247091	53.075	ug/l	99
70) Styrene	11.968	104	416261	53.627	ug/l	99
71) Bromoform	12.133	173	78932	50.778	ug/l #	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l	100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	148910	89.982	ug/l #	100
77) Bromobenzene	12.535	156	152211	51.125	ug/l	99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l	100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l	97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l	100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l	100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l	100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l	99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l	100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l	100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l	96
95) Naphthalene	15.145	128	237561	51.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

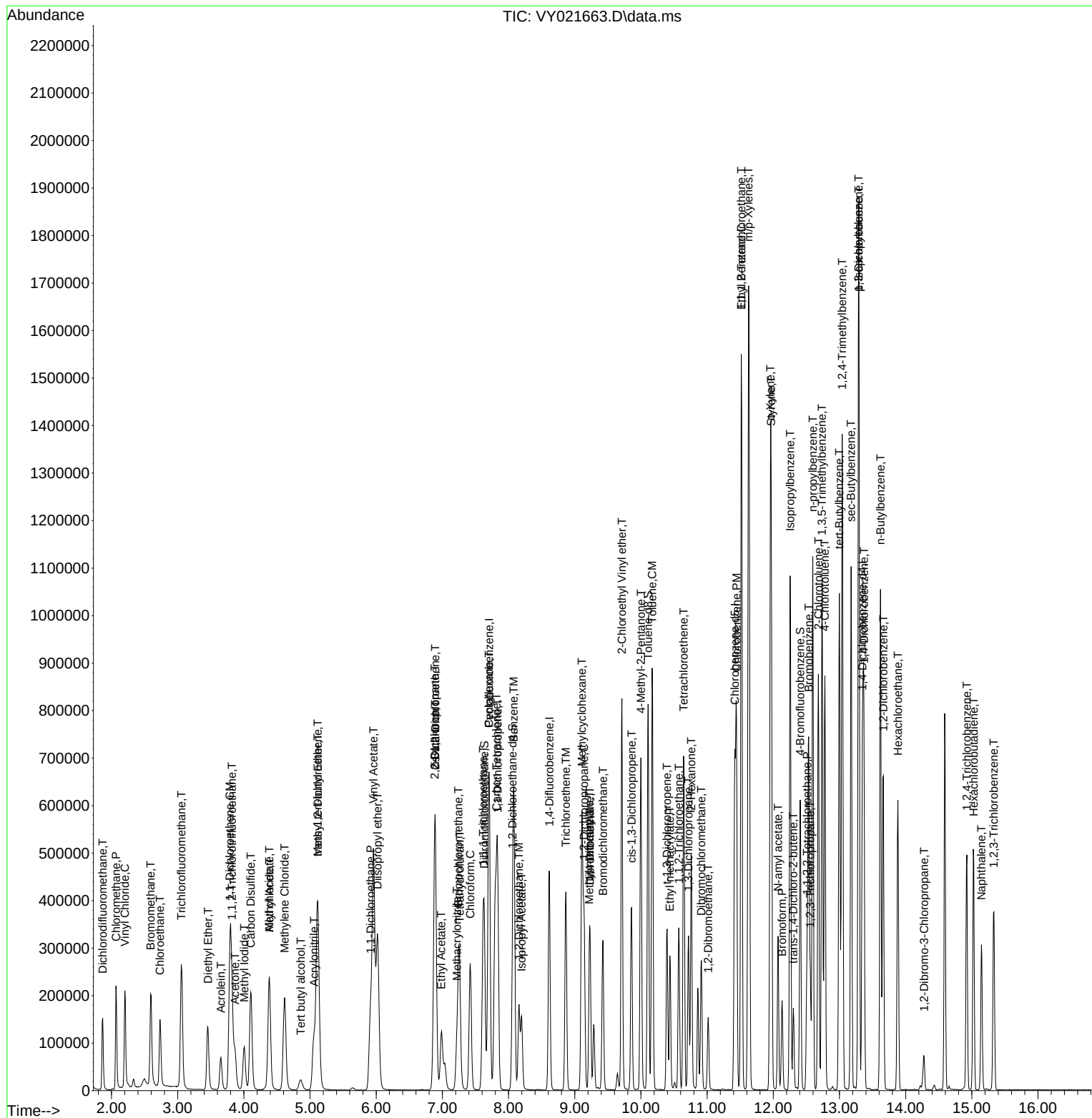
Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

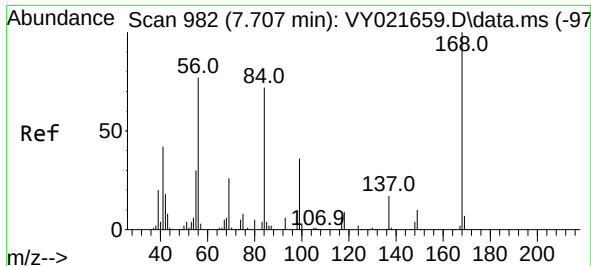
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

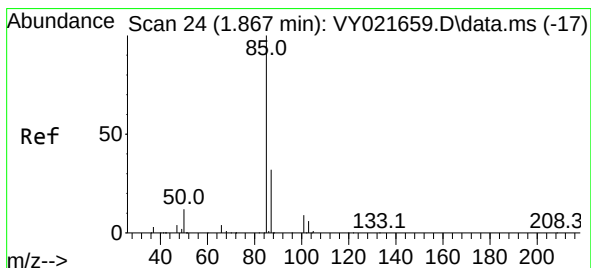
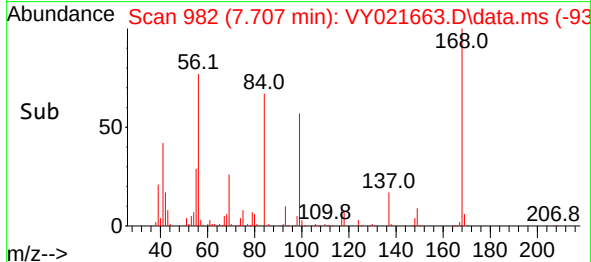
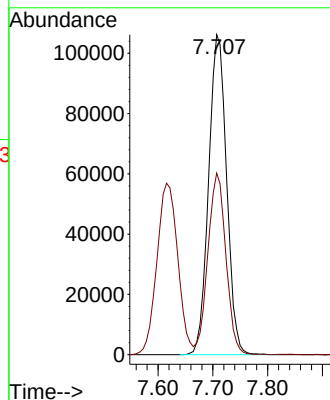
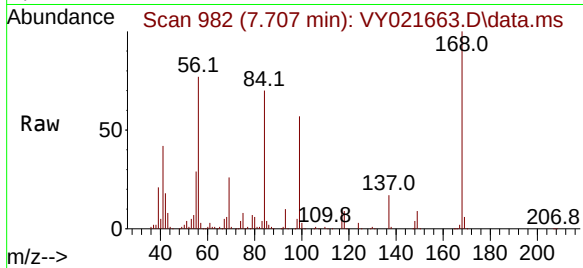




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

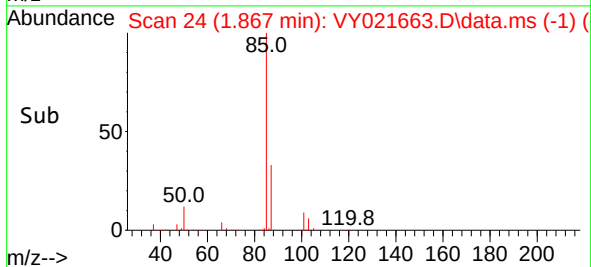
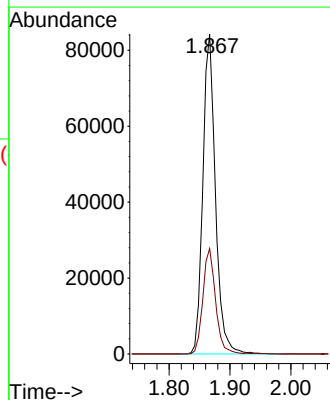
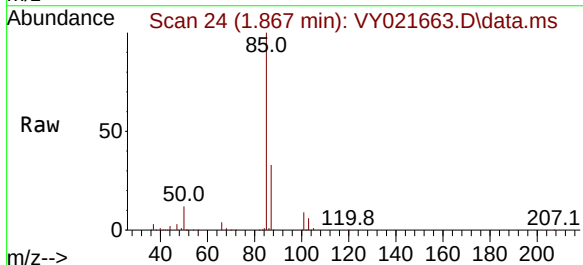
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

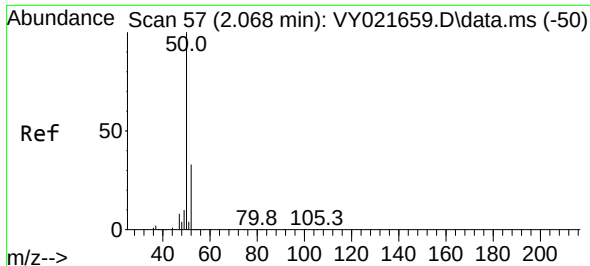
Tgt Ion:168 Resp: 241281
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 48.632 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 85 Resp: 121620
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

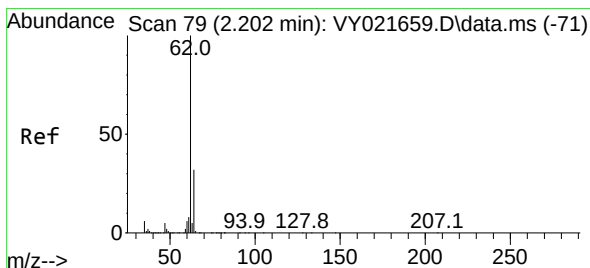
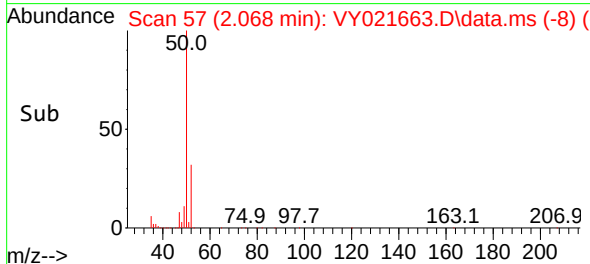
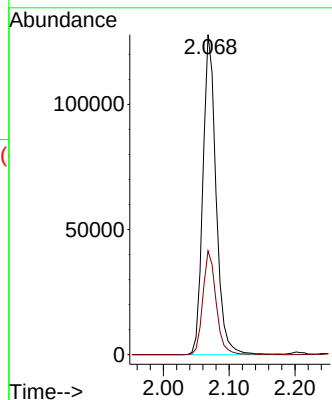
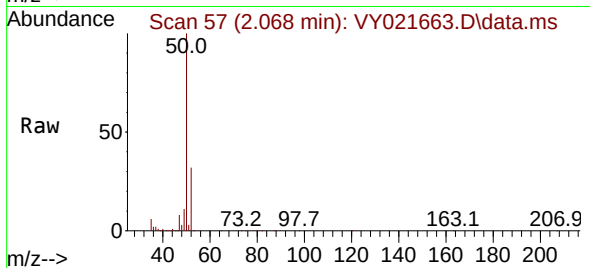




#3
Chloromethane
Concen: 50.781 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

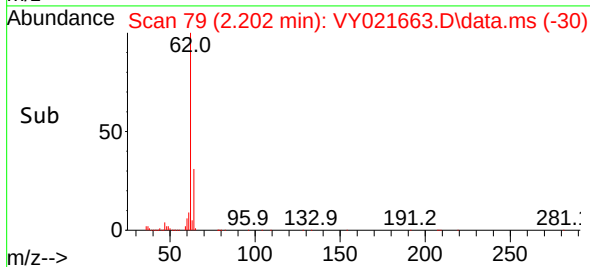
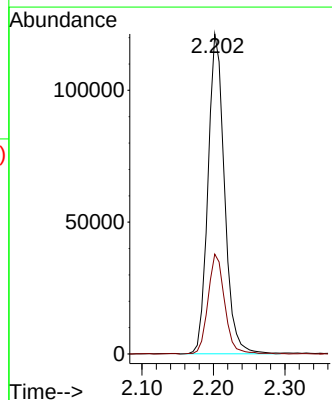
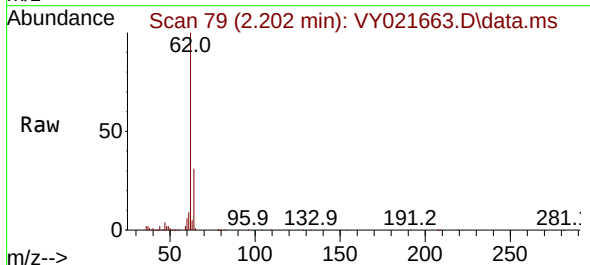
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

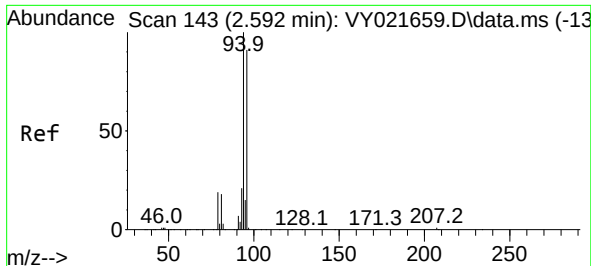
Tgt Ion: 50 Resp: 178572
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5



#4
Vinyl Chloride
Concen: 48.759 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 193909
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3

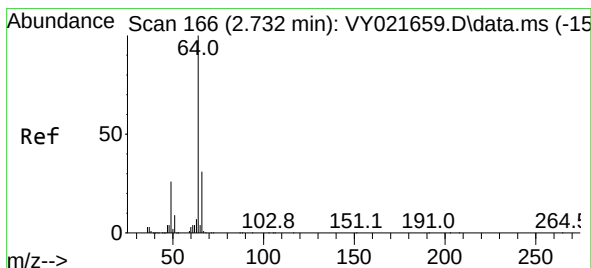
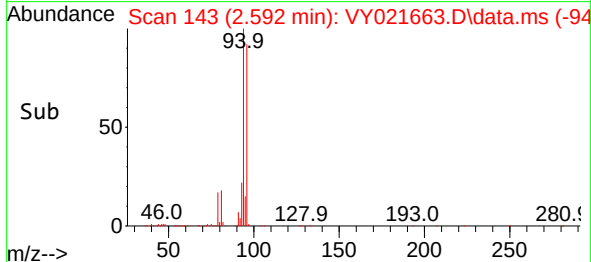
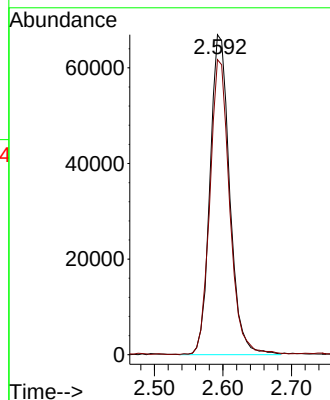
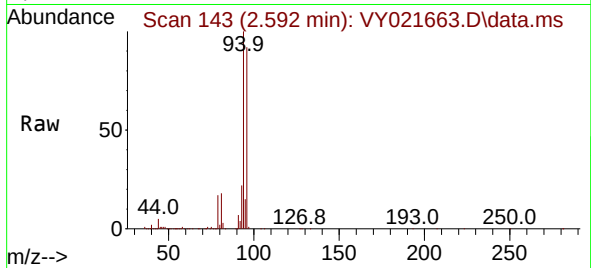




#5
Bromomethane
Concen: 49.274 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

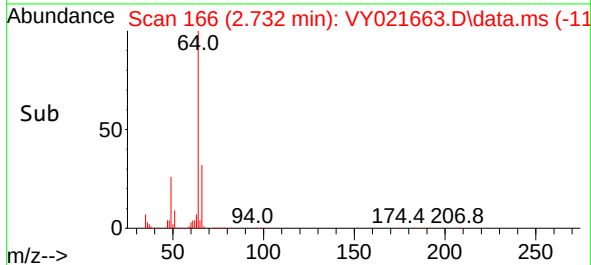
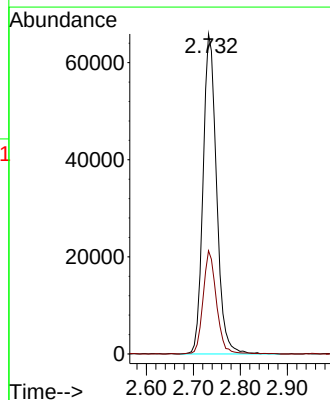
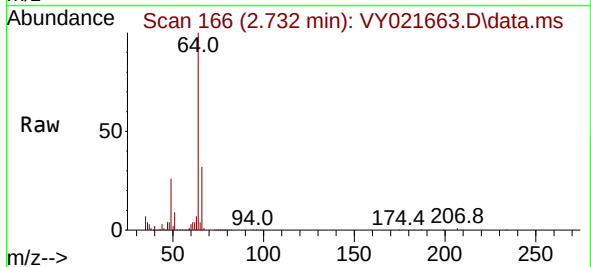
Instrument :
MSVOA_Y
ClientSampleId :
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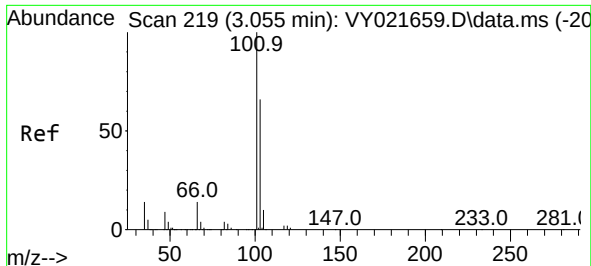
Tgt Ion: 94 Resp: 133650
Ion Ratio Lower Upper
94 100
96 92.1 72.8 109.2



#6
Chloroethane
Concen: 50.589 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 64 Resp: 131646
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3

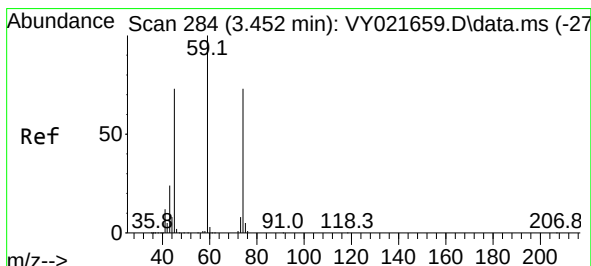
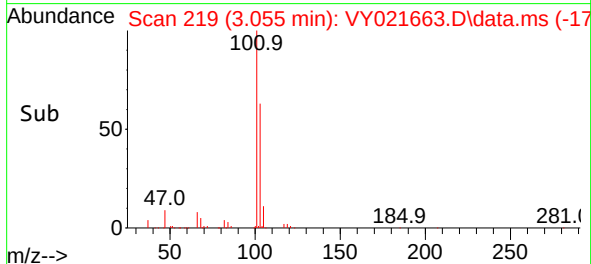
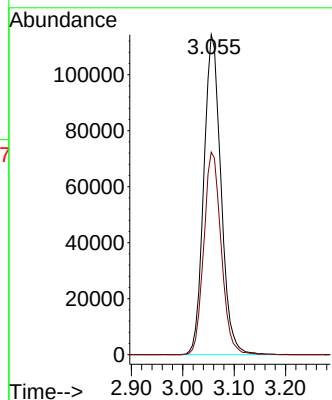
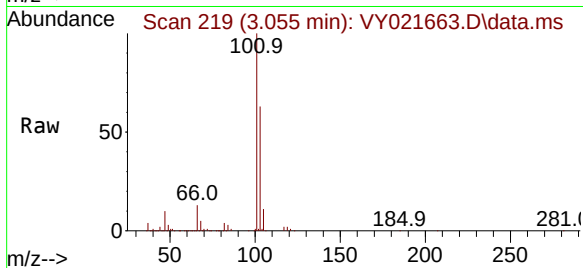




#7
 Trichlorofluoromethane
 Concen: 51.989 ug/l
 RT: 3.055 min Scan# 219
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

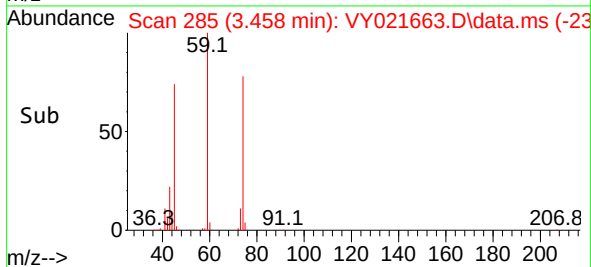
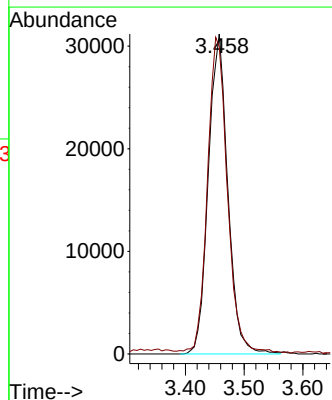
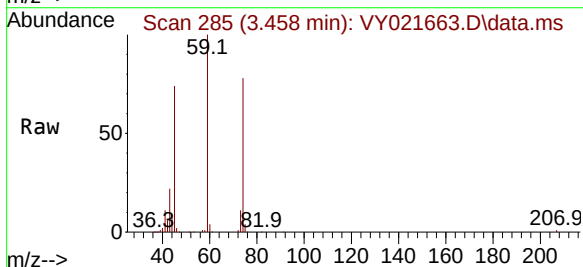
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

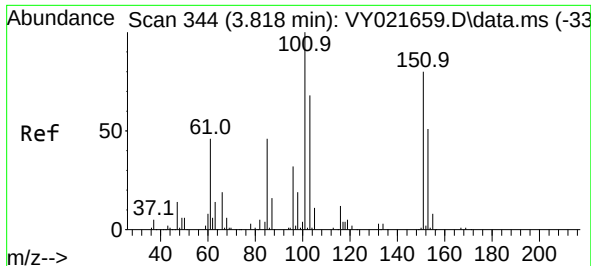
Tgt Ion:101 Resp: 264850
 Ion Ratio Lower Upper
 101 100
 103 63.3 53.1 79.7



#8
 Diethyl Ether
 Concen: 51.807 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.006 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

Tgt Ion: 74 Resp: 71773
 Ion Ratio Lower Upper
 74 100
 45 101.3 48.6 145.8

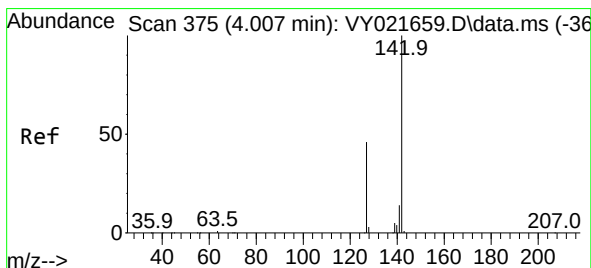
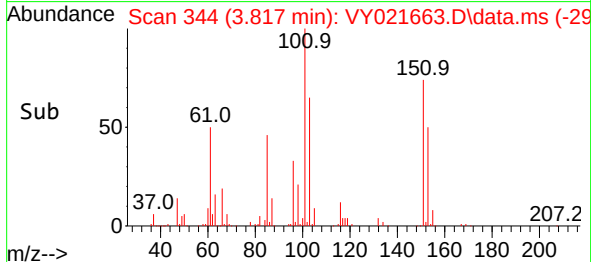
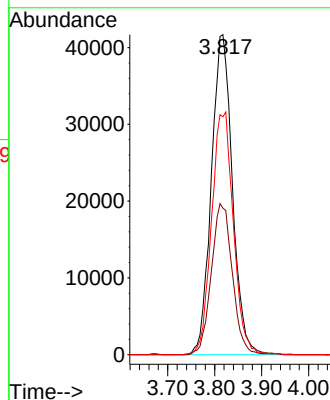
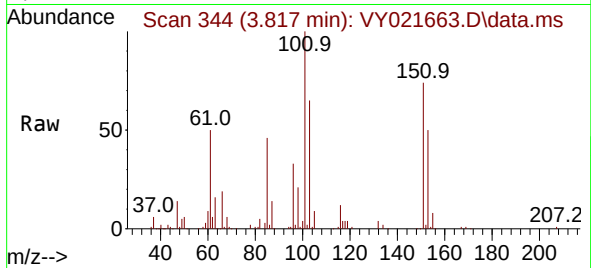




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.213 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

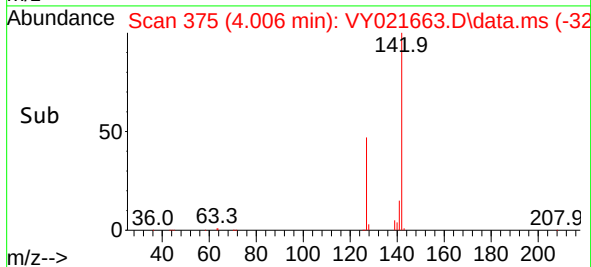
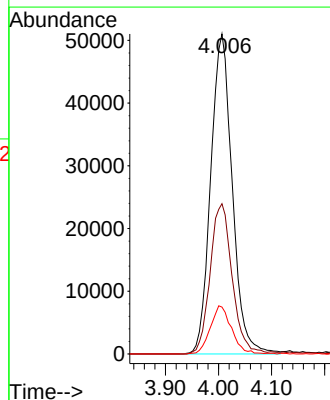
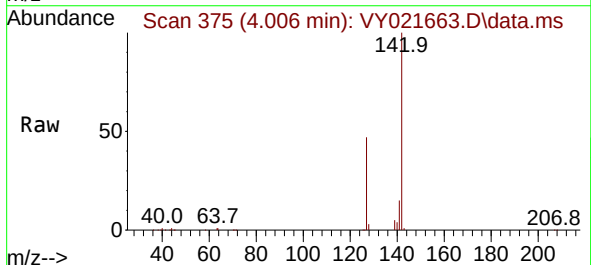
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

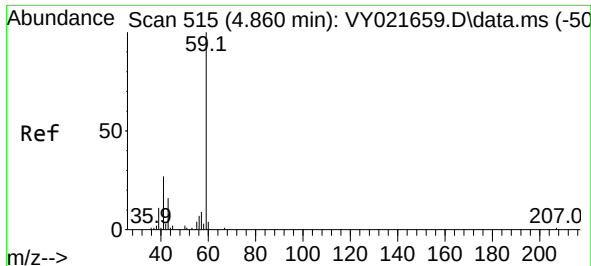
Tgt Ion:101 Resp: 129542
Ion Ratio Lower Upper
101 100
85 47.2 36.3 54.5
151 78.7 61.3 91.9



#10
Methyl Iodide
Concen: 48.859 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:142 Resp: 144020
Ion Ratio Lower Upper
142 100
127 47.9 38.7 58.1
141 14.8 11.5 17.3

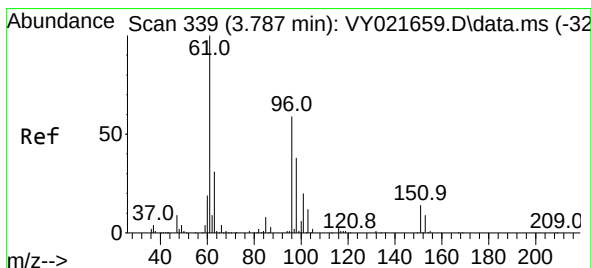
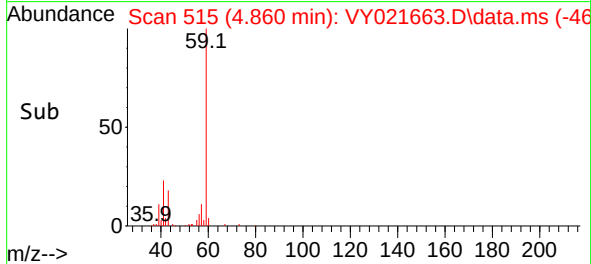
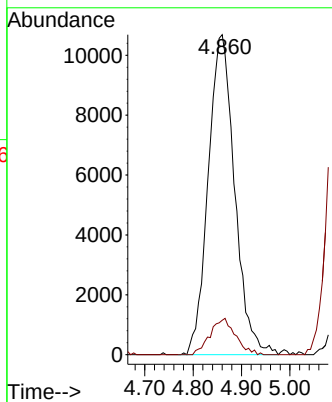
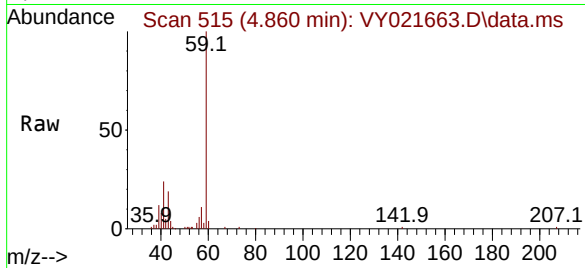




#11
Tert butyl alcohol
Concen: 239.093 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

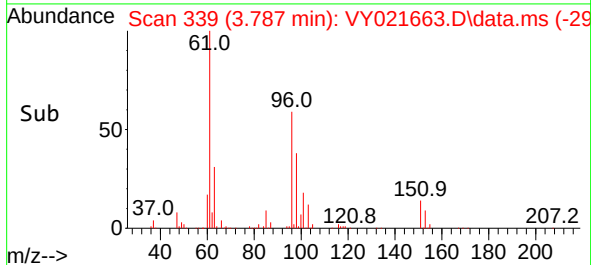
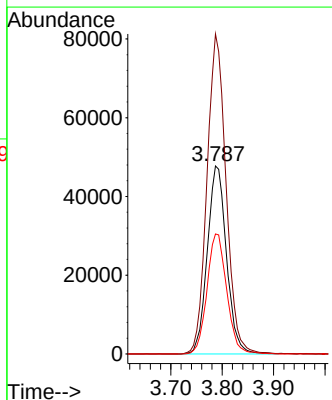
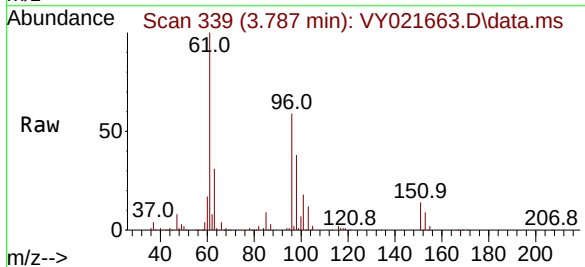
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

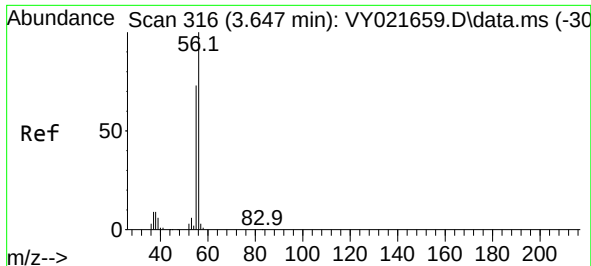
Tgt Ion: 59 Resp: 40598
Ion Ratio Lower Upper
59 100
57 10.9 9.2 13.8



#12
1,1-Dichloroethene
Concen: 48.958 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 123904
Ion Ratio Lower Upper
96 100
61 170.1 136.6 204.8
98 63.8 52.3 78.5

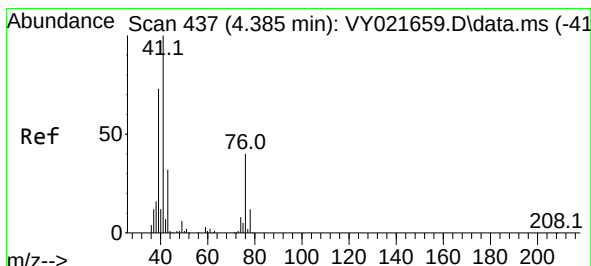
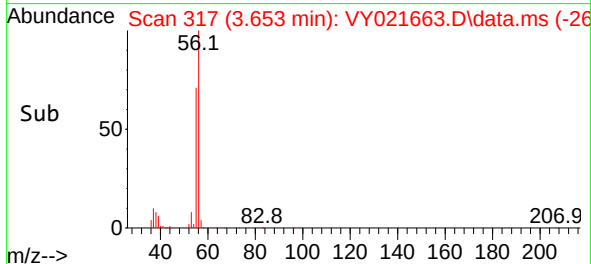
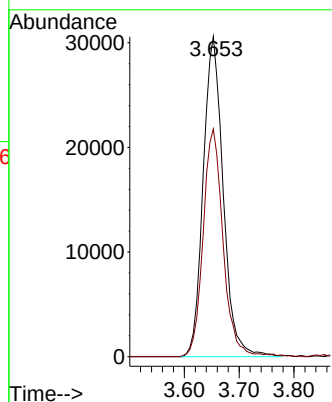
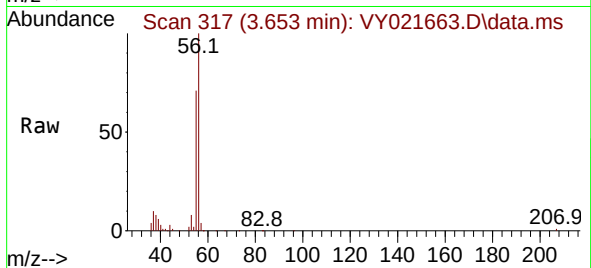




#13
Acrolein
Concen: 249.738 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

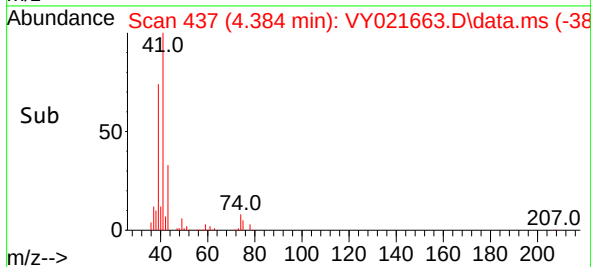
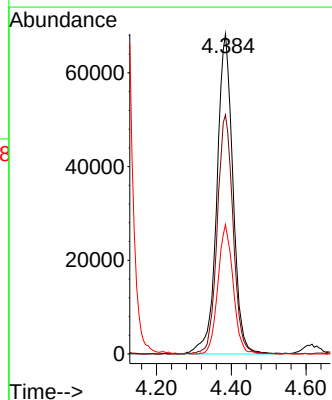
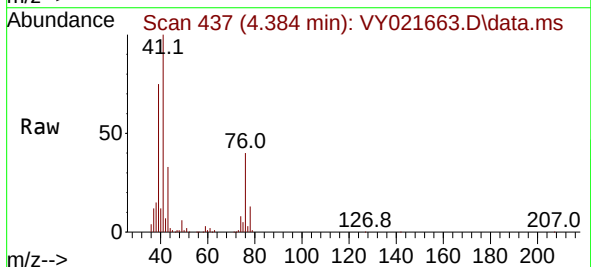
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

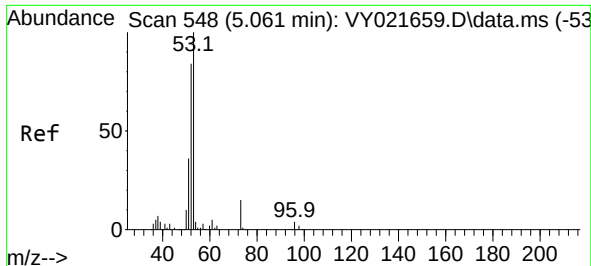
Tgt Ion: 56 Resp: 77430
Ion Ratio Lower Upper
56 100
55 71.0 56.6 85.0



#14
Allyl chloride
Concen: 50.380 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 203289
Ion Ratio Lower Upper
41 100
39 73.9 58.6 88.0
76 38.3 30.3 45.5

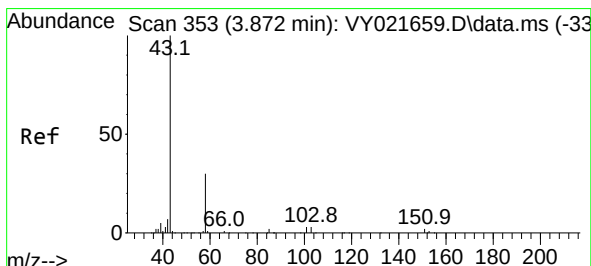
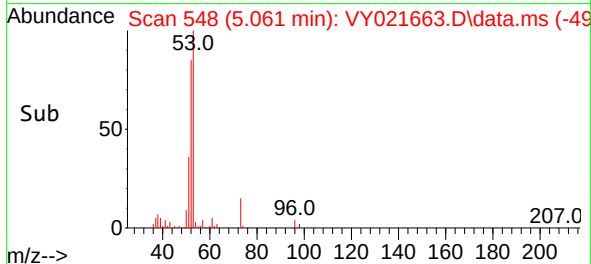
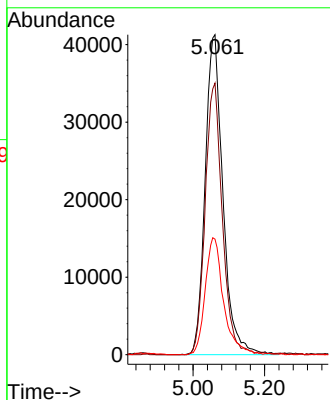
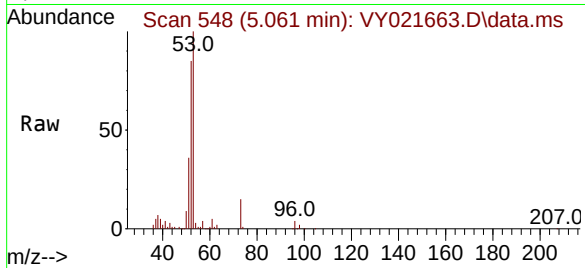




#15
Acrylonitrile
Concen: 246.085 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

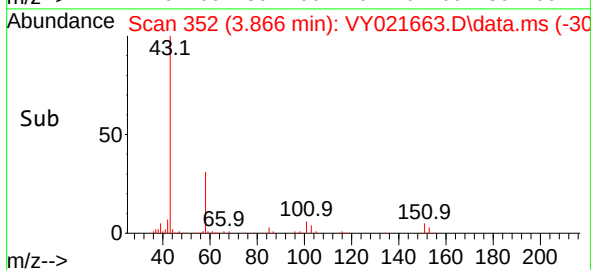
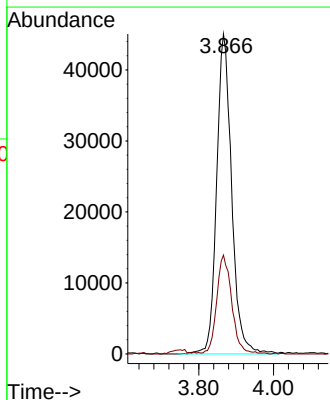
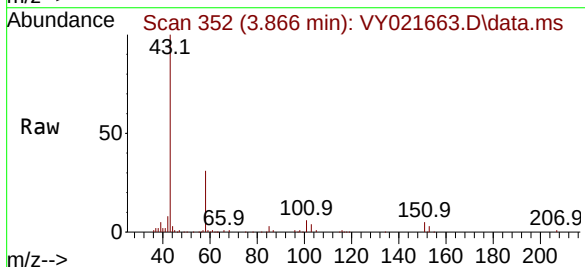
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

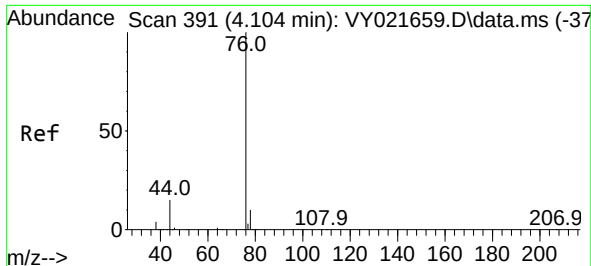
Tgt Ion: 53 Resp: 142349
Ion Ratio Lower Upper
53 100
52 81.9 64.9 97.3
51 37.9 30.2 45.2



#16
Acetone
Concen: 234.856 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 125654
Ion Ratio Lower Upper
43 100
58 30.9 24.2 36.4

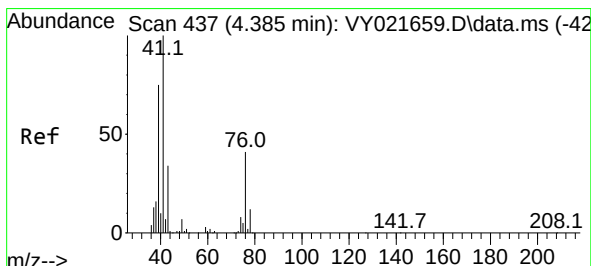
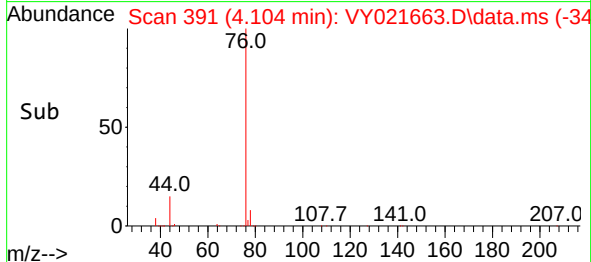
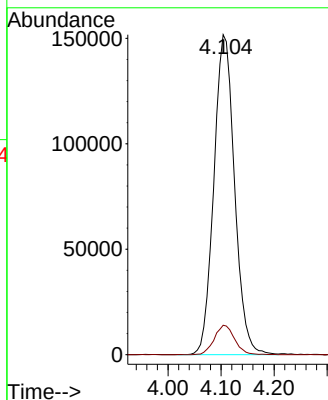
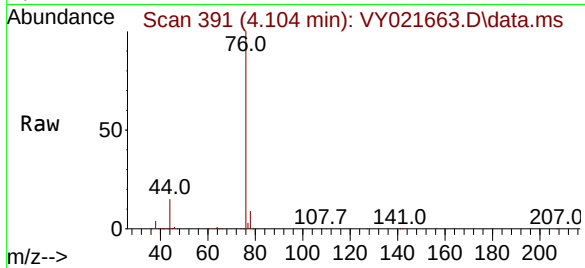




#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

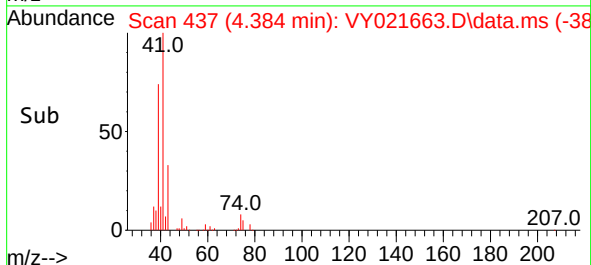
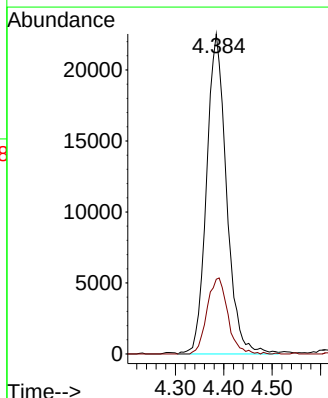
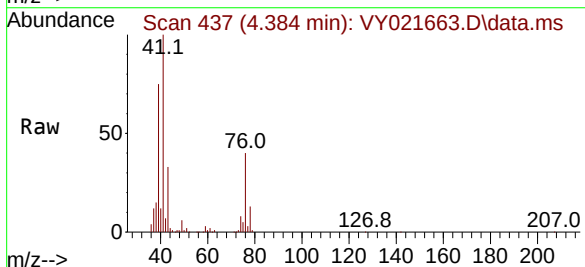
Instrument :
MSVOA_Y
ClientSampleId :
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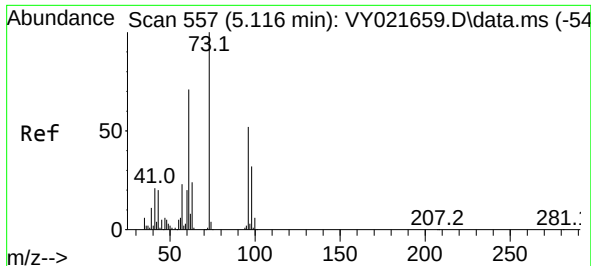
Tgt Ion: 76 Resp: 412021
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4



#18
Methyl Acetate
Concen: 48.703 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 64580
Ion Ratio Lower Upper
43 100
74 24.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.561 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

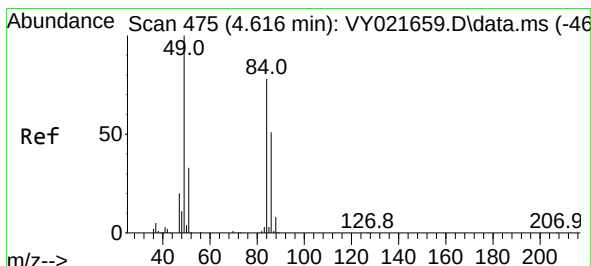
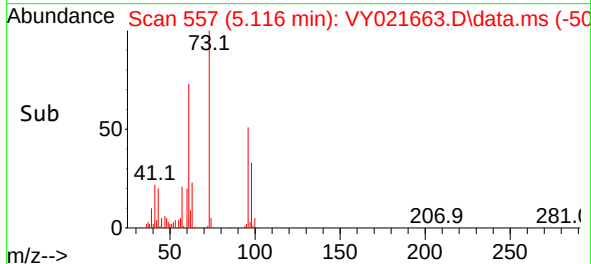
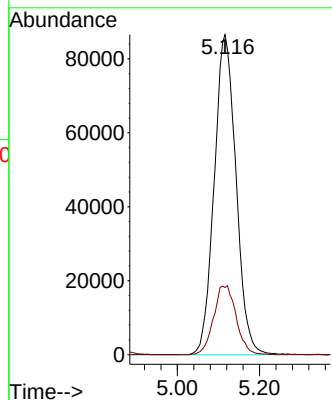
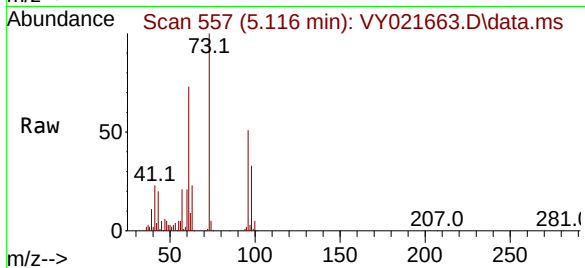
ICVVY032725

Tgt Ion: 73 Resp: 318579

Ion Ratio Lower Upper

73 100

57 21.0 18.1 27.1



#20

Methylene Chloride

Concen: 53.536 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Tgt Ion: 84 Resp: 139443

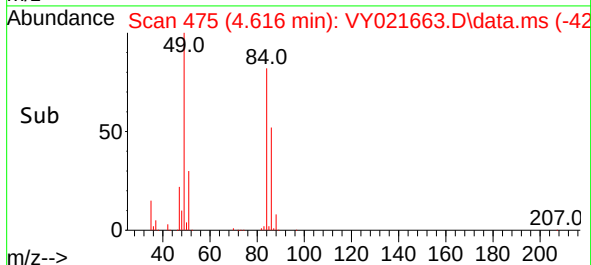
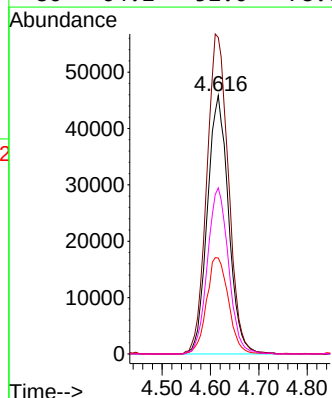
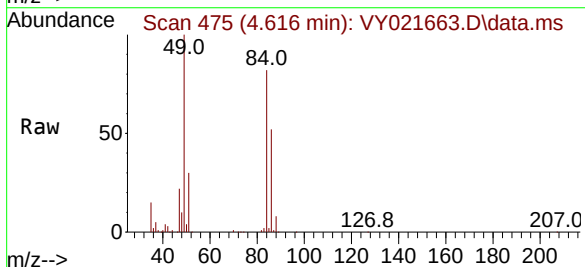
Ion Ratio Lower Upper

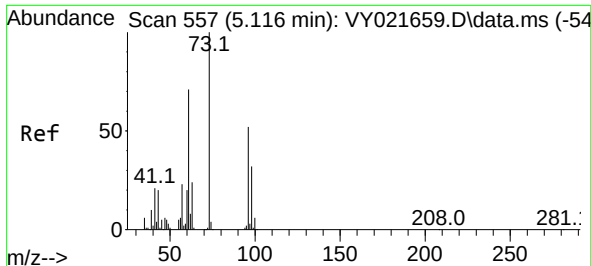
84 100

49 122.3 102.8 154.2

51 37.2 33.5 50.3

86 64.2 52.0 78.0

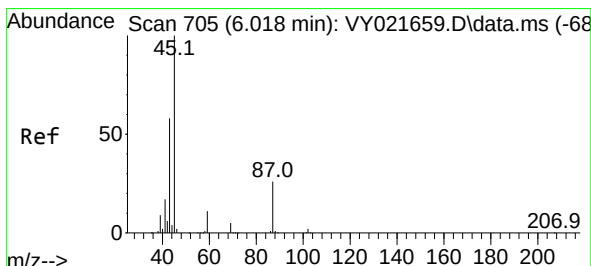
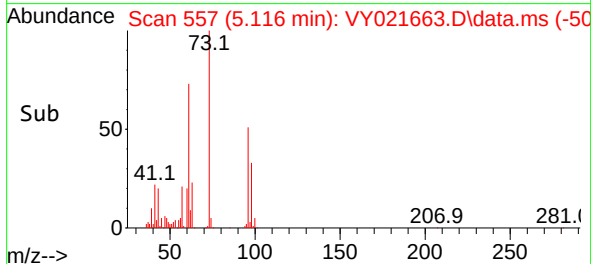
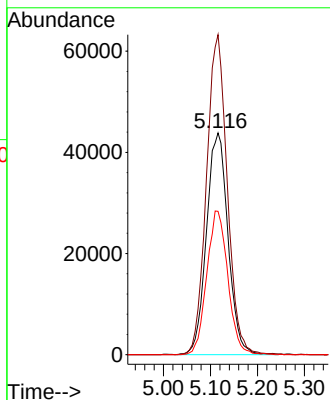
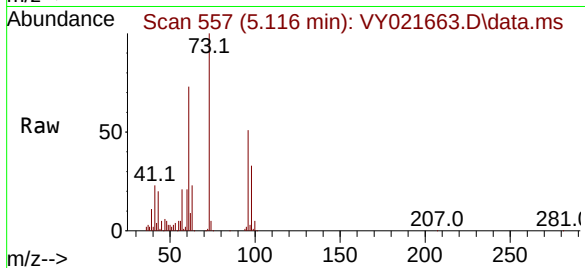




#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

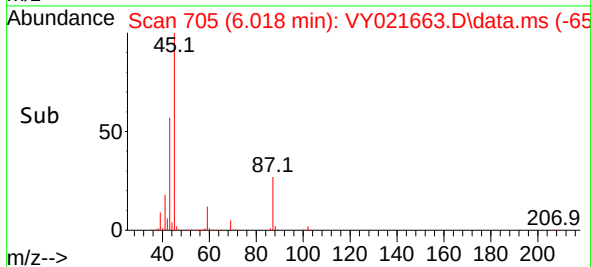
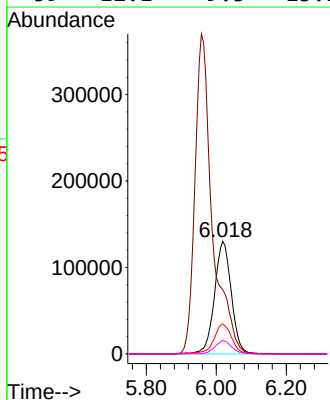
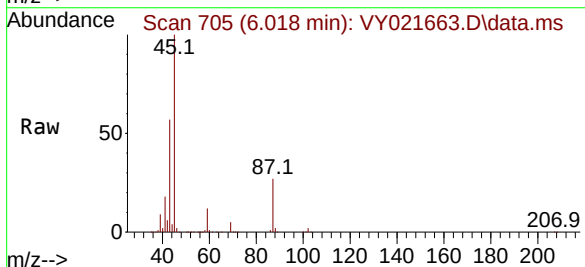
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

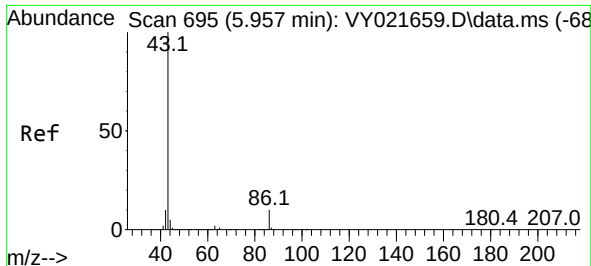
Tgt Ion: 96 Resp: 139842
Ion Ratio Lower Upper
96 100
61 144.2 109.4 164.0
98 64.7 50.2 75.2



#22
Diisopropyl ether
Concen: 51.273 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 45 Resp: 434011
Ion Ratio Lower Upper
45 100
43 57.0 46.6 69.8
87 26.7 20.7 31.1
59 12.1 9.3 13.9

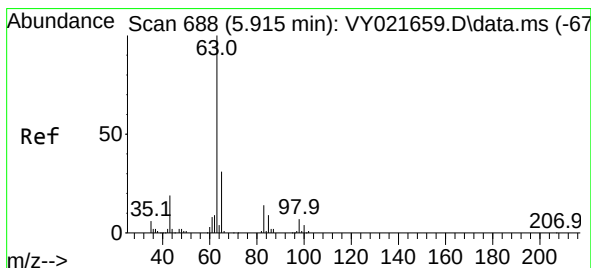
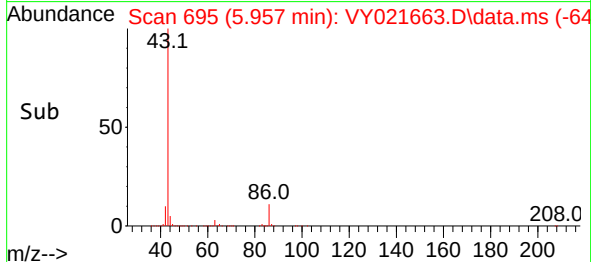
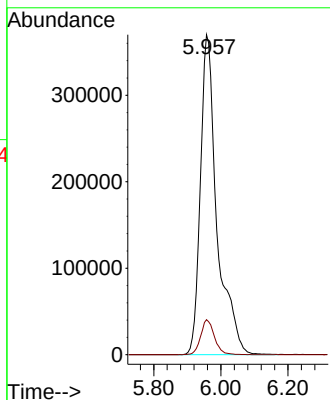
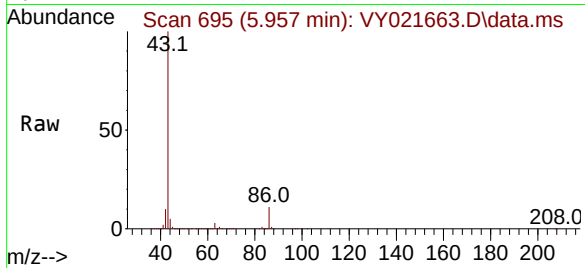




#23
 Vinyl Acetate
 Concen: 256.638 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

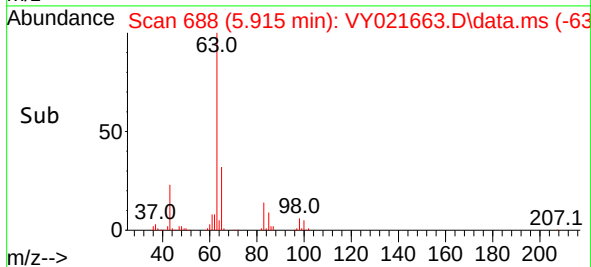
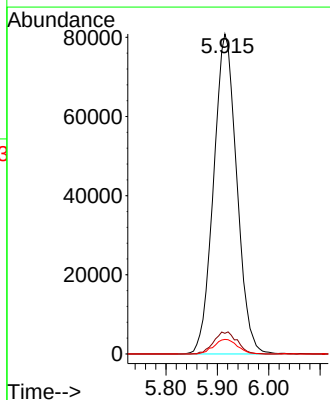
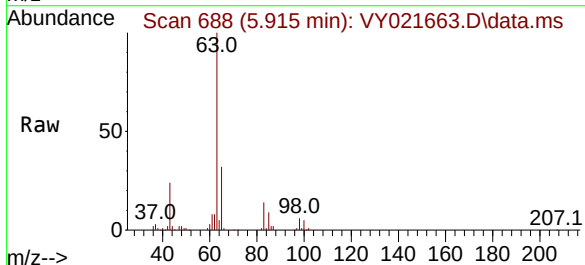
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

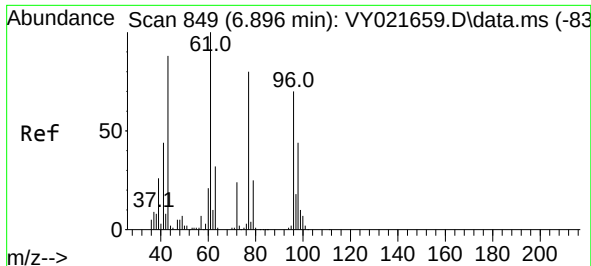
Tgt Ion: 43 Resp: 1270842
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 50.001 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 253080
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.6 2.2 6.6

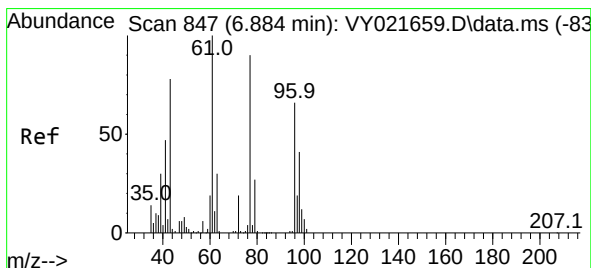
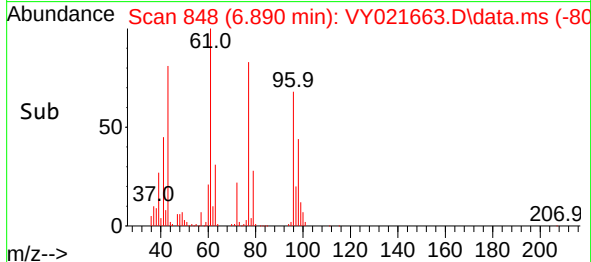
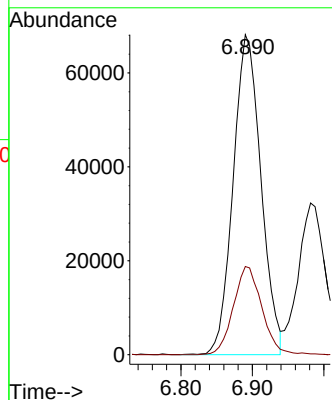
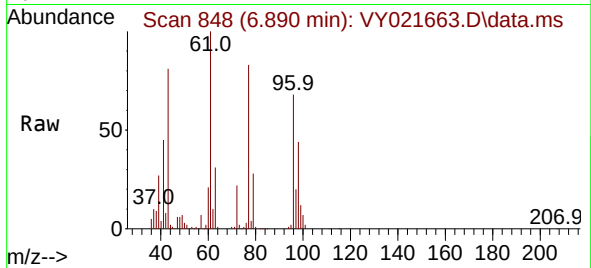




#25
2-Butanone
Concen: 240.921 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

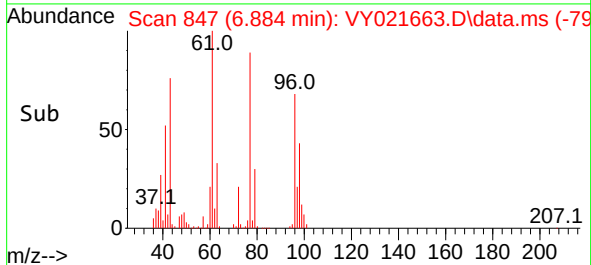
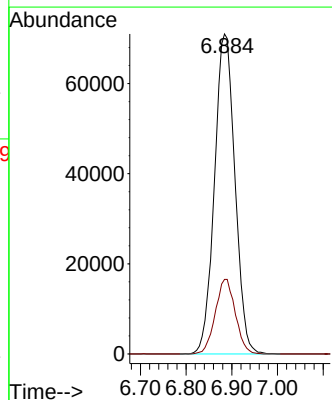
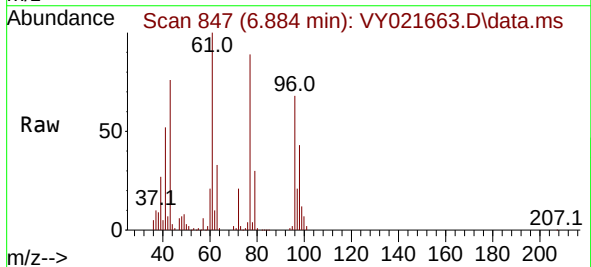
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

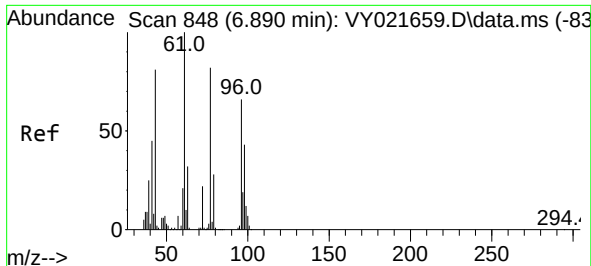
Tgt Ion: 43 Resp: 184108
Ion Ratio Lower Upper
43 100
72 27.6 21.4 32.2



#26
2,2-Dichloropropane
Concen: 49.103 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 77 Resp: 221076
Ion Ratio Lower Upper
77 100
97 22.8 11.1 33.1

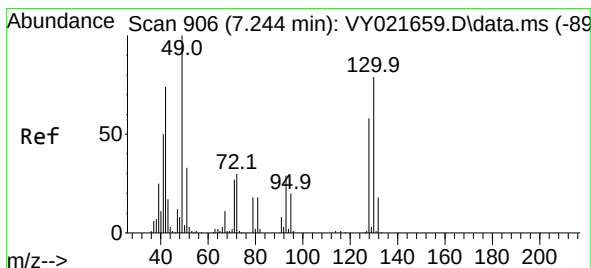
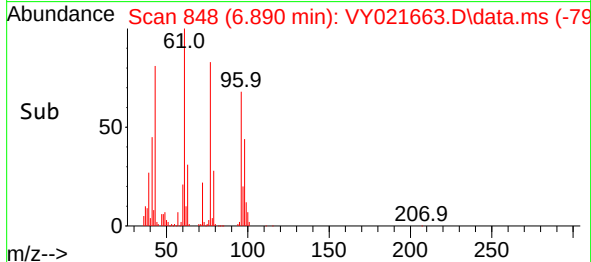
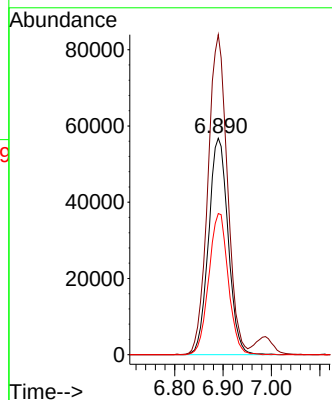
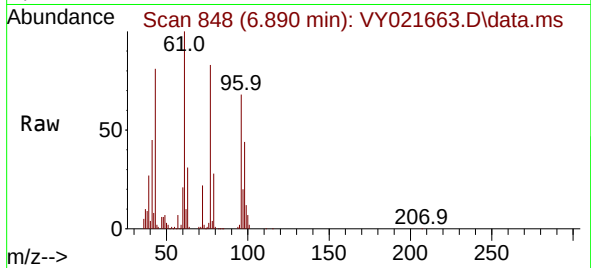




#27
 cis-1,2-Dichloroethene
 Concen: 50.806 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

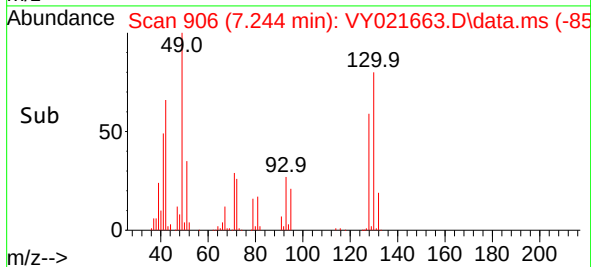
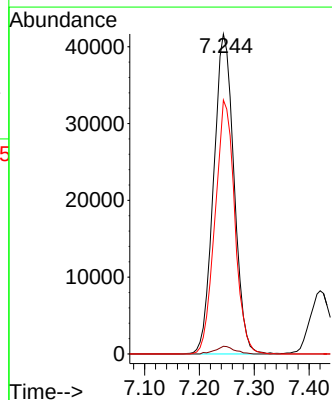
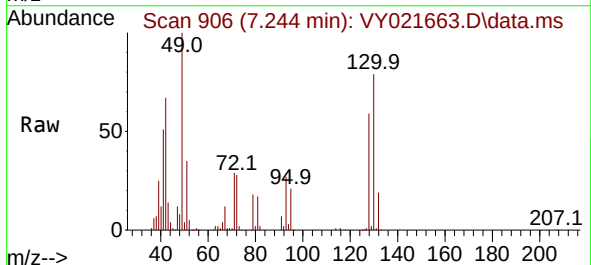
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

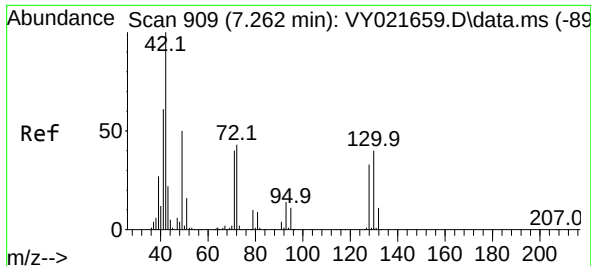
Tgt Ion: 96 Resp: 159206
 Ion Ratio Lower Upper
 96 100
 61 147.2 0.0 296.4
 98 65.0 0.0 128.0



#28
 Bromochloromethane
 Concen: 50.360 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

Tgt Ion: 49 Resp: 107500
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 76.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 247.271 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

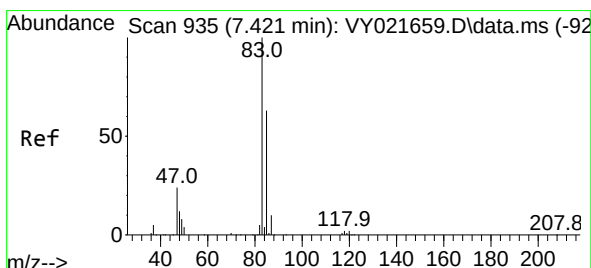
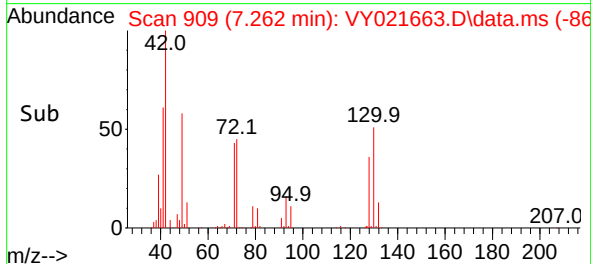
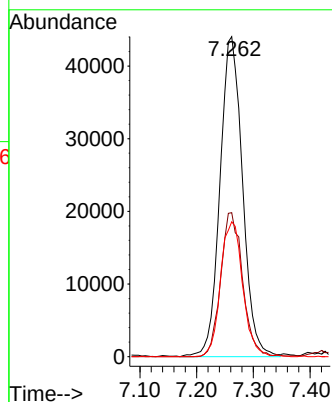
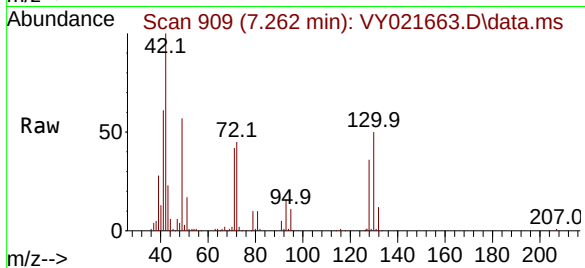
Tgt Ion: 42 Resp: 121613

Ion Ratio Lower Upper

42 100

72 43.8 34.6 52.0

71 41.5 32.5 48.7



#30

Chloroform

Concen: 49.490 ug/l

RT: 7.420 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY021663.D

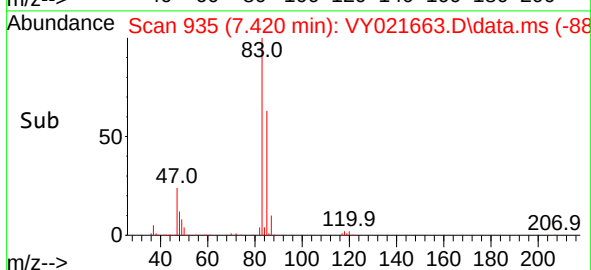
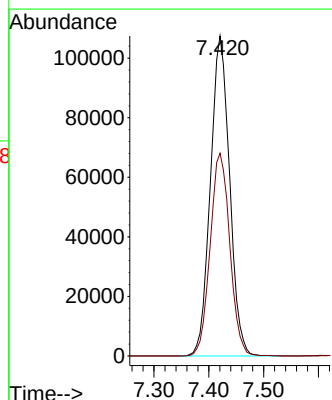
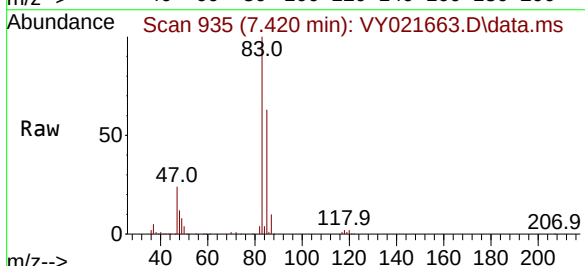
Acq: 27 Mar 2025 13:15

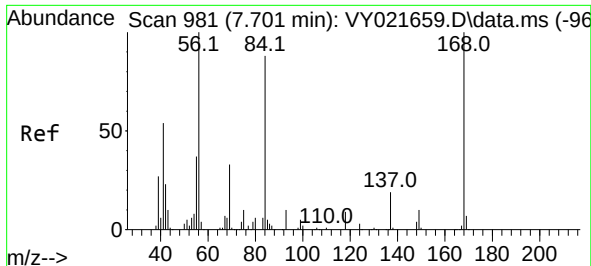
Tgt Ion: 83 Resp: 260540

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8

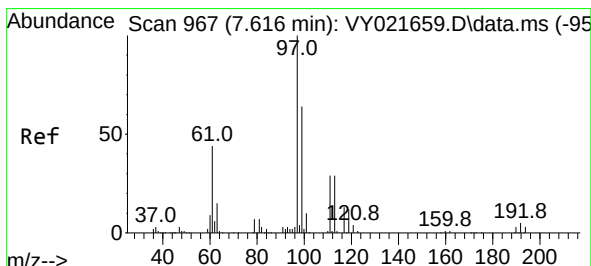
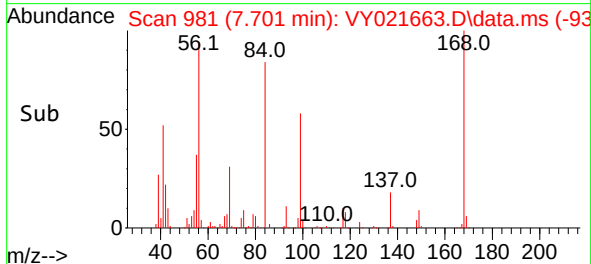
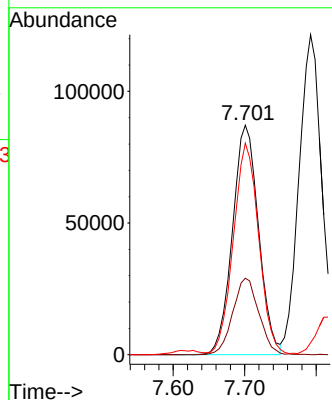
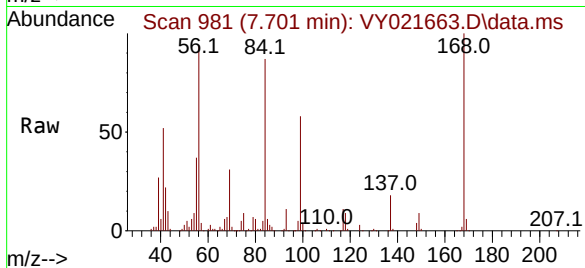




#31
Cyclohexane
Concen: 47.844 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

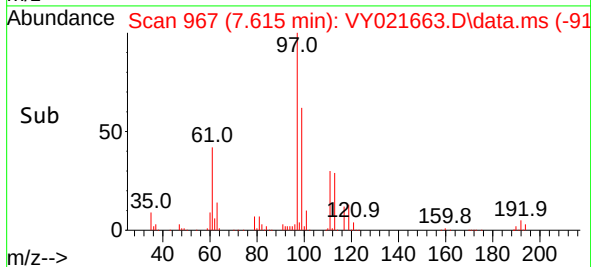
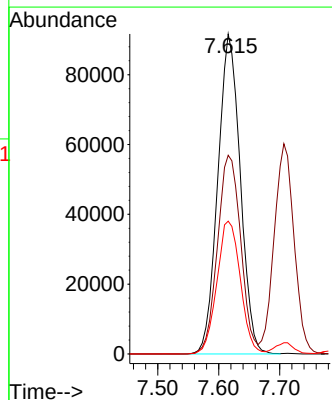
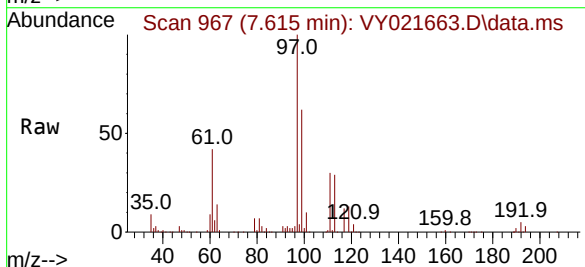
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

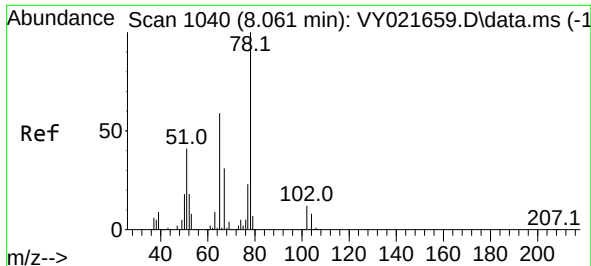
Tgt Ion:	56	Resp:	220748
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	90.4	69.0	103.4



#32
1,1,1-Trichloroethane
Concen: 49.319 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:	97	Resp:	234663
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.4	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 52.553 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

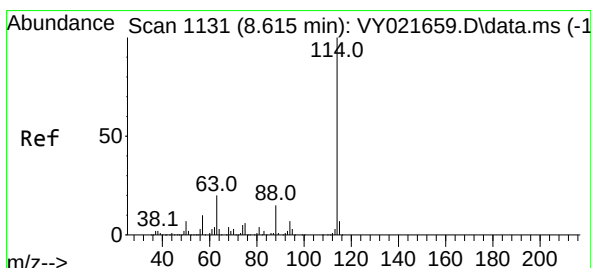
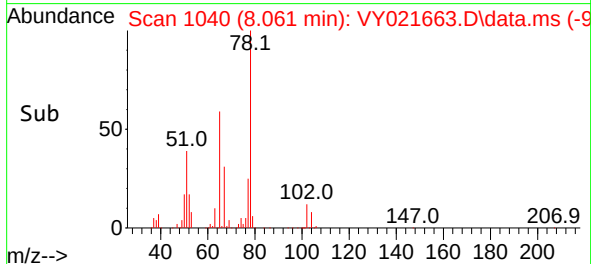
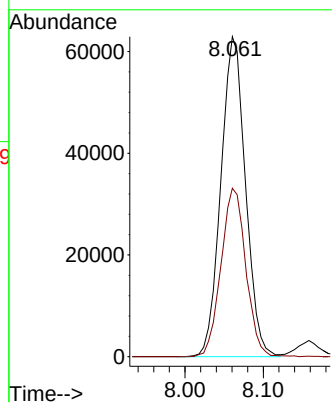
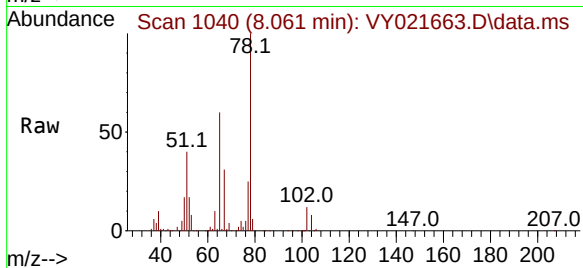
ICVVY032725

Tgt Ion: 65 Resp: 137385

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

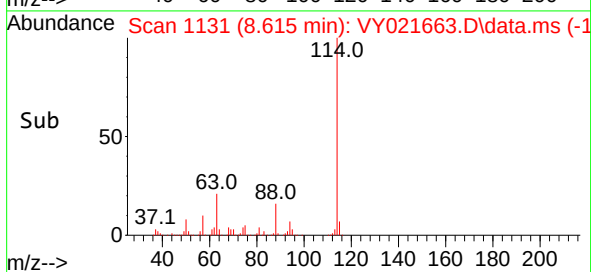
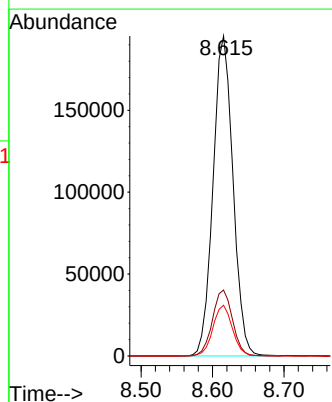
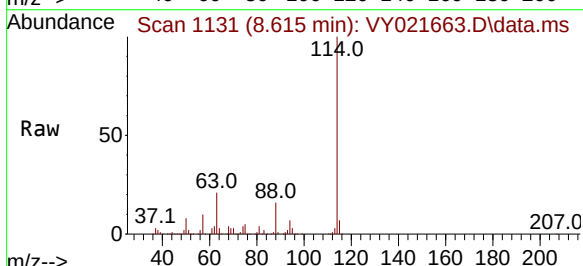
Tgt Ion: 114 Resp: 378246

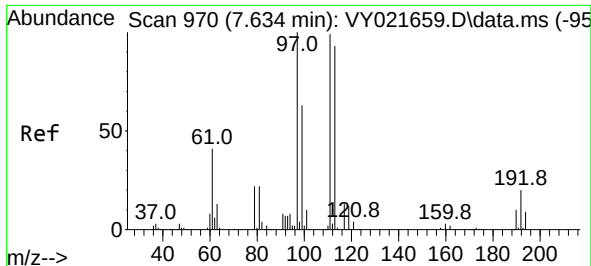
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.243 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

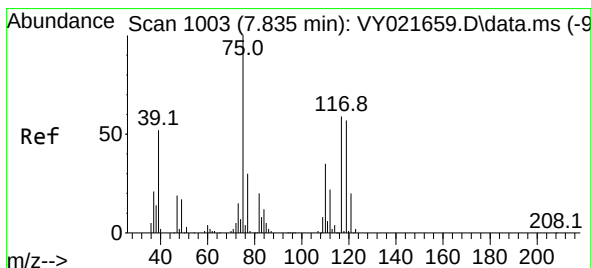
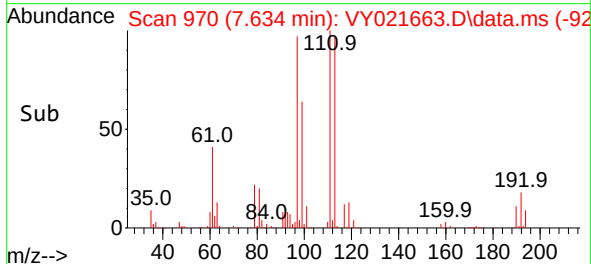
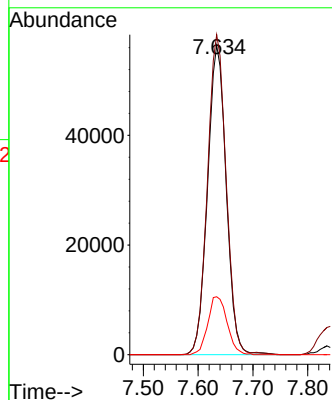
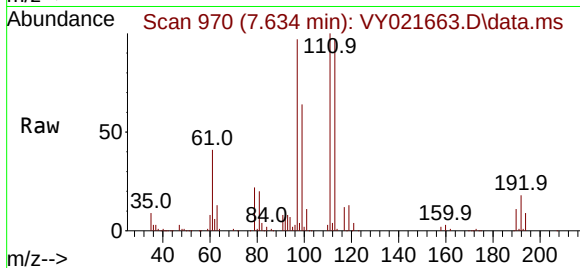
Tgt Ion:113 Resp: 133092

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 19.5 16.2 24.4



#36

1,1-Dichloropropene

Concen: 50.326 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

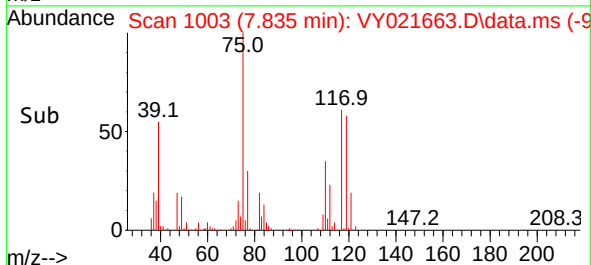
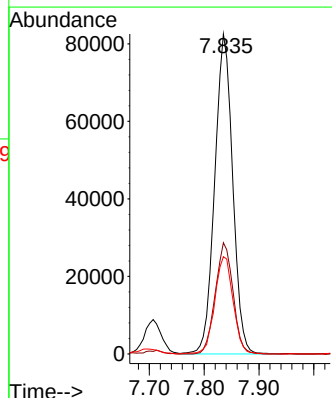
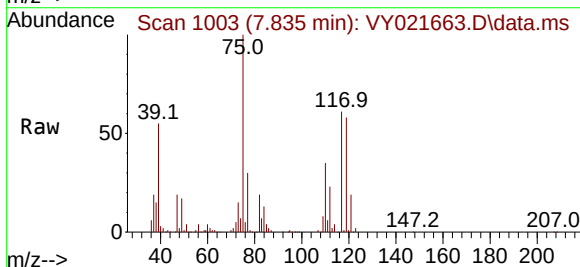
Tgt Ion: 75 Resp: 188082

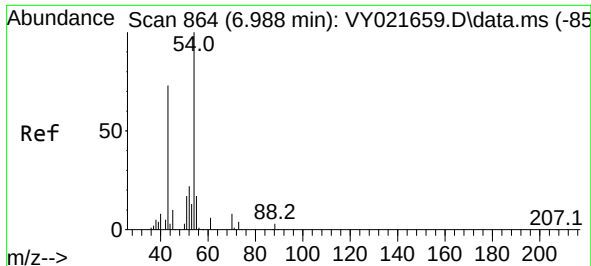
Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

77 31.1 24.8 37.2

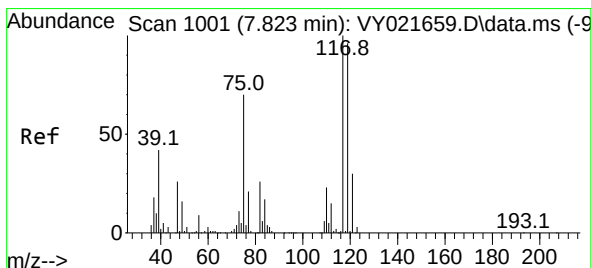
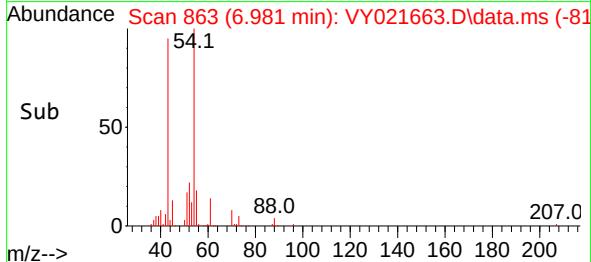
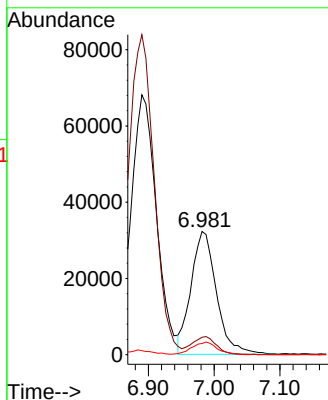
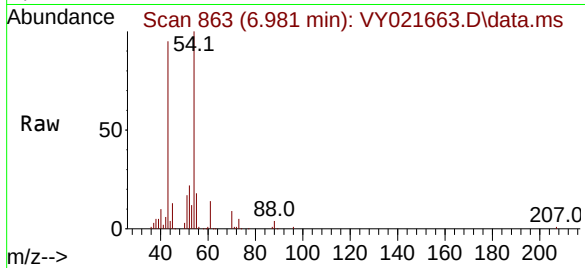




#37
Ethyl Acetate
Concen: 49.145 ug/l
RT: 6.981 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

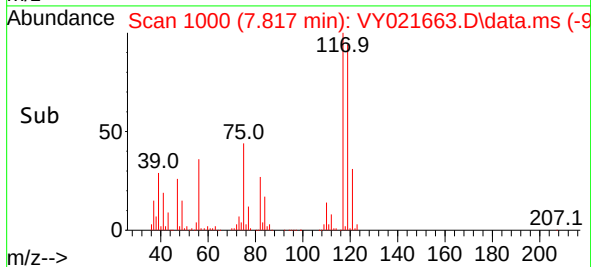
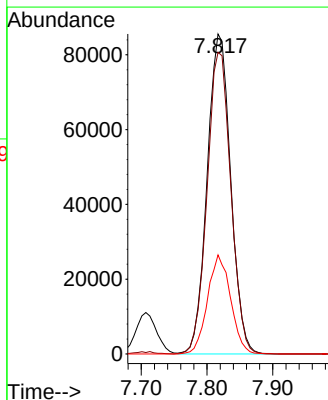
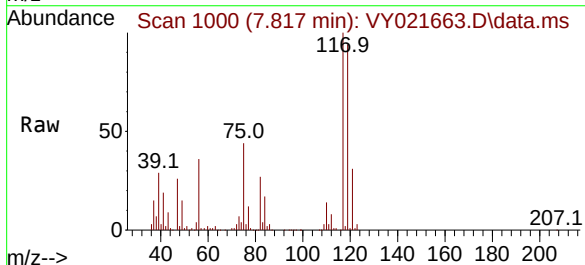
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

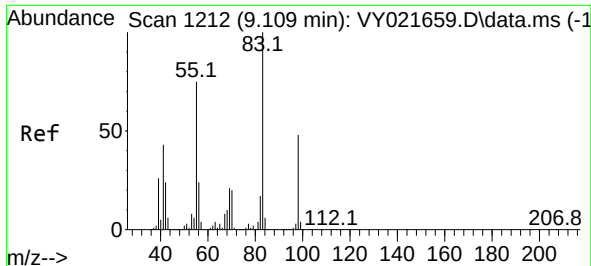
Tgt Ion:	43	Resp:	86681
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.1	8.1	12.1



#38
Carbon Tetrachloride
Concen: 49.814 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:	117	Resp:	213223
Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.4
121	30.9	24.2	36.4





#39

Methylcyclohexane

Concen: 51.843 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

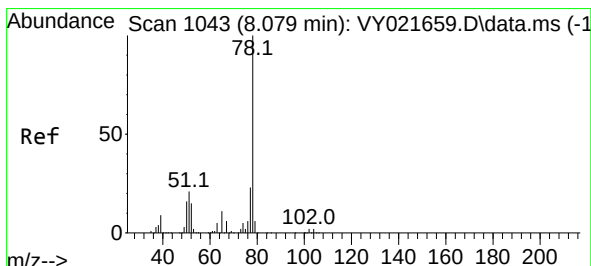
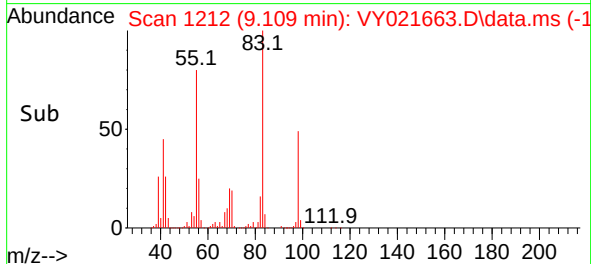
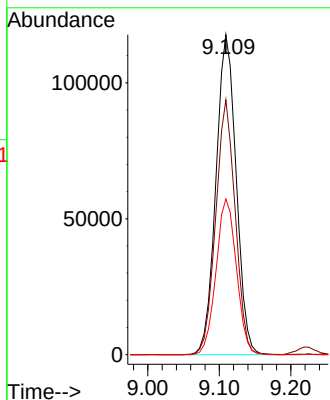
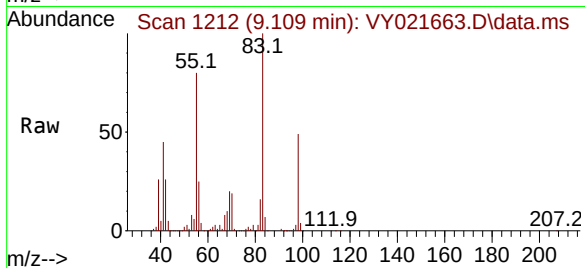
Tgt Ion: 83 Resp: 231457

Ion Ratio Lower Upper

83 100

55 79.6 59.7 89.5

98 48.7 38.3 57.5



#40

Benzene

Concen: 50.574 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY021663.D

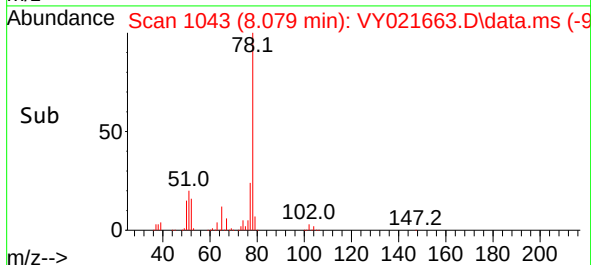
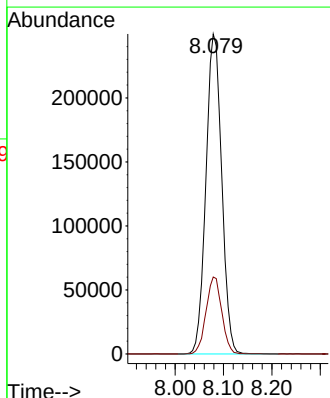
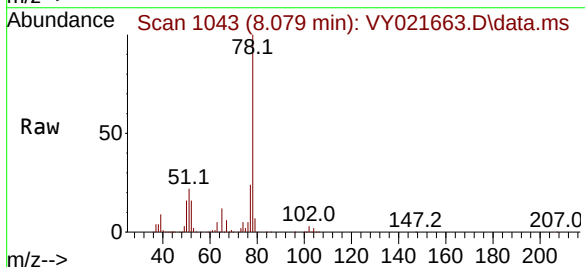
Acq: 27 Mar 2025 13:15

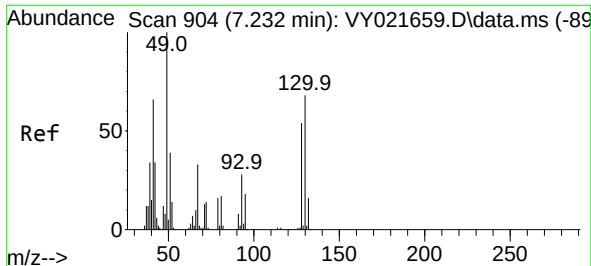
Tgt Ion: 78 Resp: 566027

Ion Ratio Lower Upper

78 100

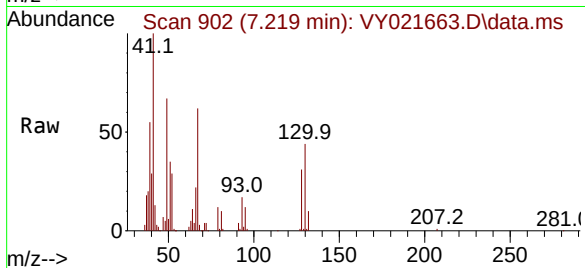
77 24.0 18.8 28.2



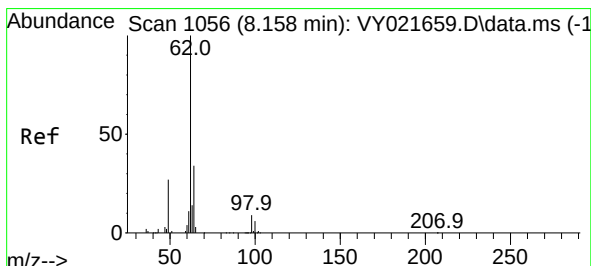
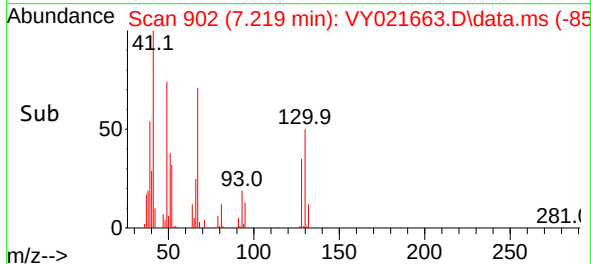
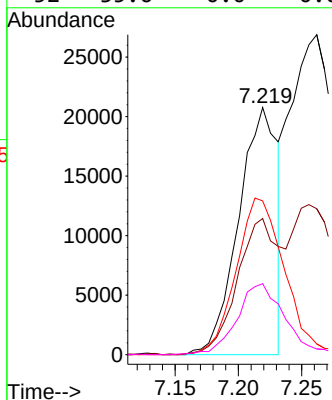


#41
Methacrylonitrile
Concen: 47.475 ug/l
RT: 7.219 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

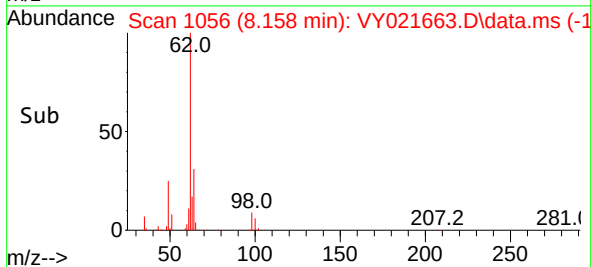
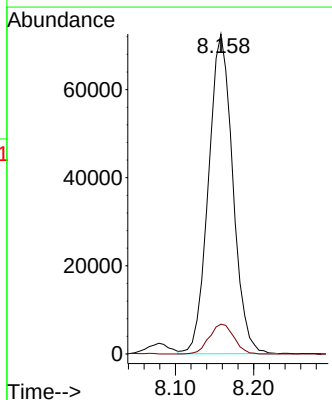
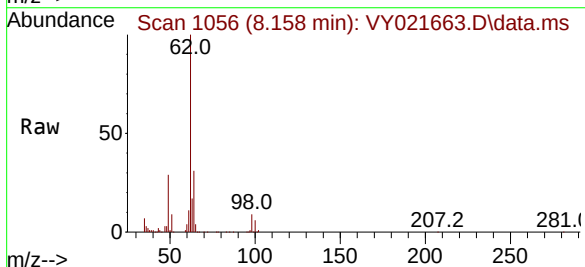


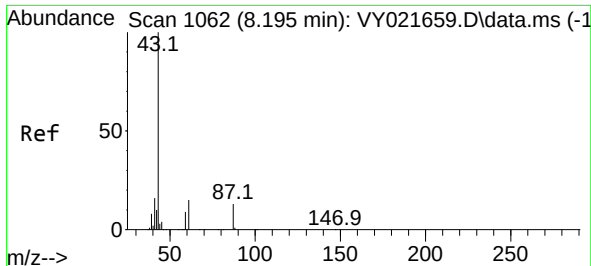
Tgt Ion:	41	Resp:	44469
Ion	Ratio	Lower	Upper
41	100		
39	62.6	0.0	0.0#
67	79.2	0.0	0.0#
52	35.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.556 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:	62	Resp:	156359
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.106 ug/l

RT: 8.195 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

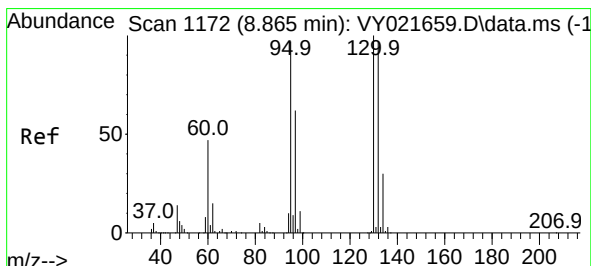
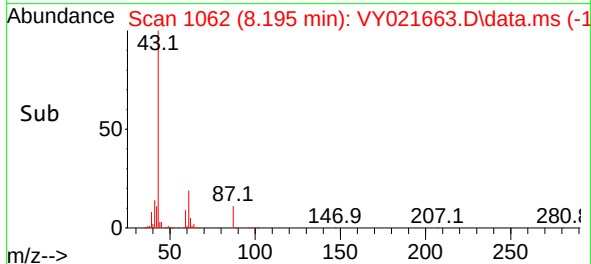
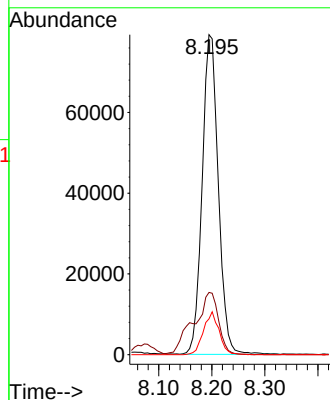
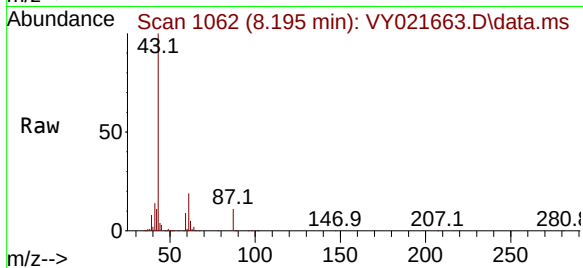
Tgt Ion: 43 Resp: 167476

Ion Ratio Lower Upper

43 100

61 30.0 15.9 23.9#

87 13.0 10.4 15.6



#44

Trichloroethene

Concen: 49.933 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY021663.D

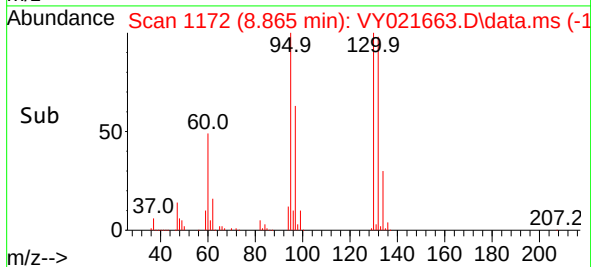
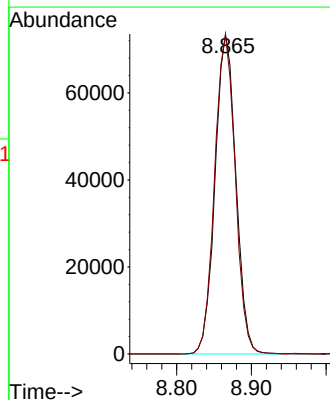
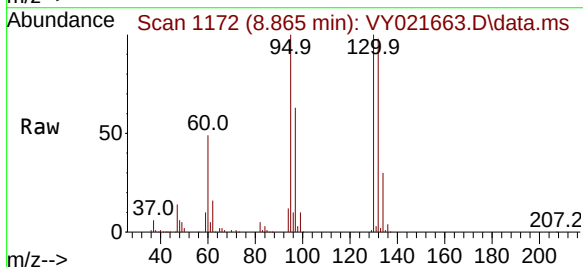
Acq: 27 Mar 2025 13:15

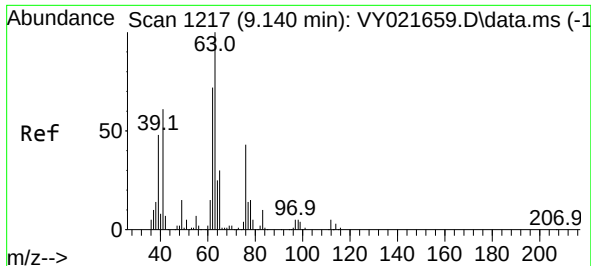
Tgt Ion:130 Resp: 142392

Ion Ratio Lower Upper

130 100

95 99.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 50.158 ug/l

RT: 9.140 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

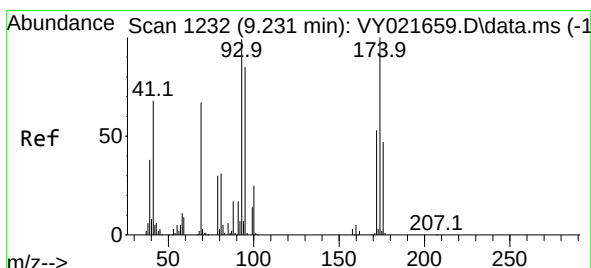
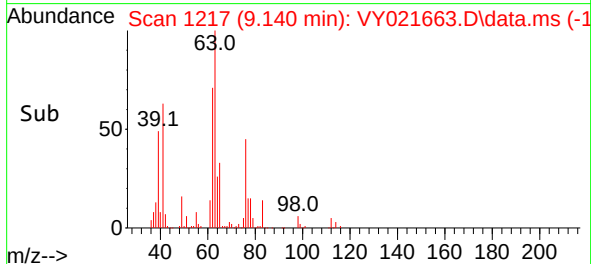
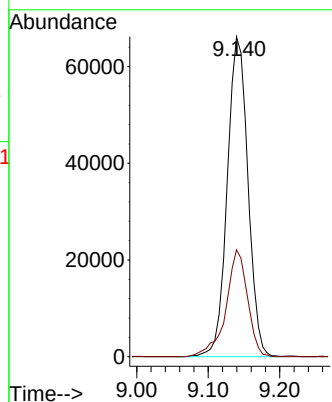
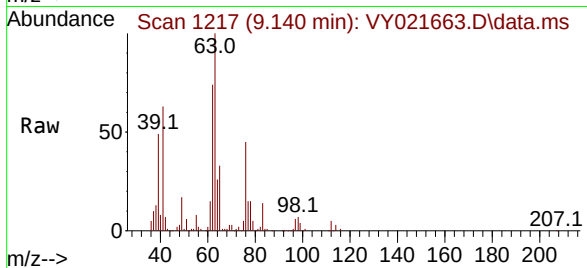
ICVVY032725

Tgt Ion: 63 Resp: 132882

Ion Ratio Lower Upper

63 100

65 33.4 24.4 36.6



#46

Dibromomethane

Concen: 50.052 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

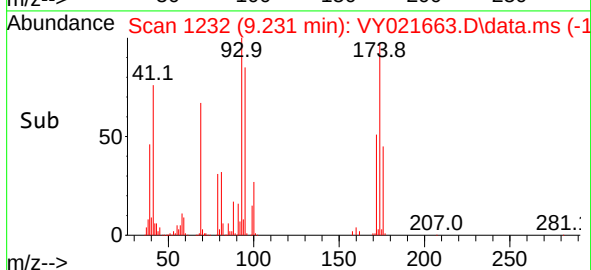
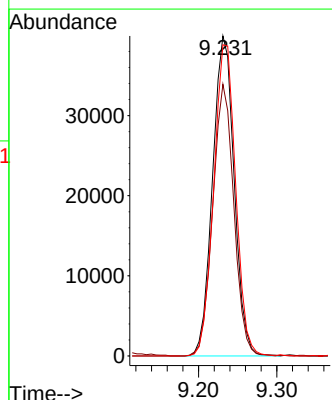
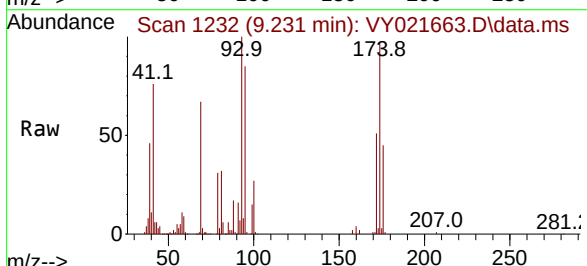
Tgt Ion: 93 Resp: 76421

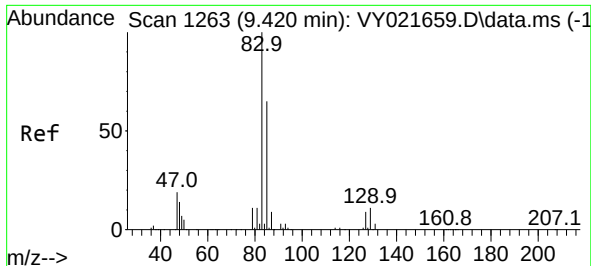
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 99.0 80.9 121.3

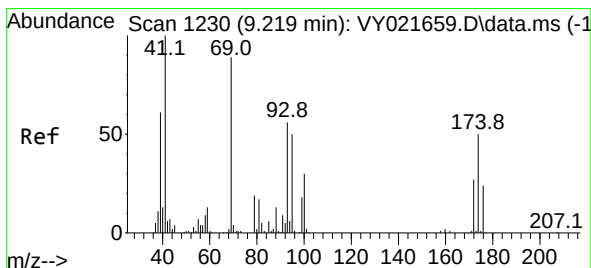
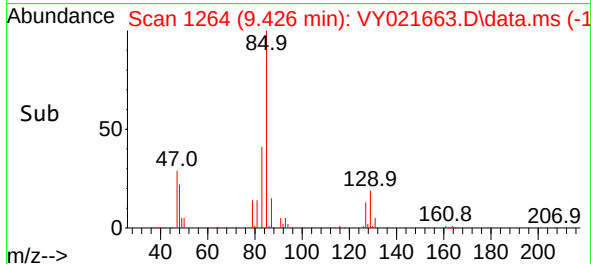
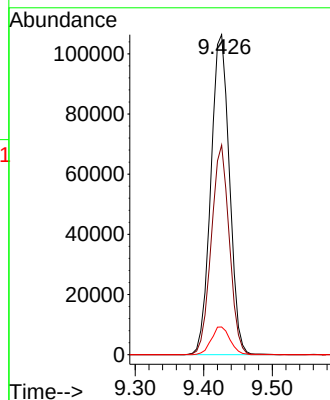
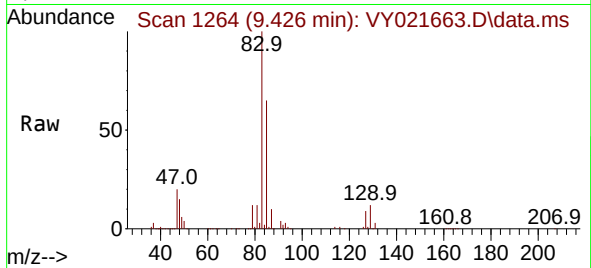




#47
Bromodichloromethane
Concen: 50.530 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

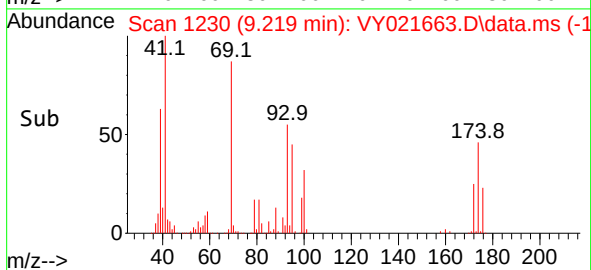
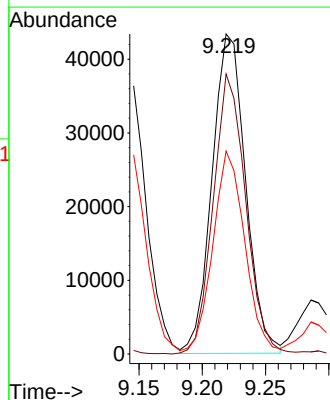
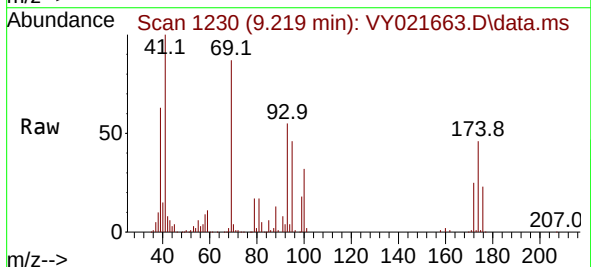
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

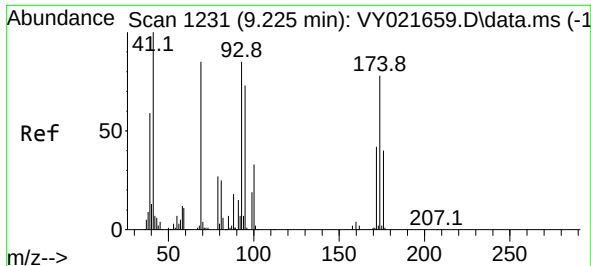
Tgt Ion: 83 Resp: 199912
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6
127 8.7 6.8 10.2



#48
Methyl methacrylate
Concen: 52.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 79887
Ion Ratio Lower Upper
41 100
69 84.8 69.8 104.8
39 58.6 47.2 70.8





#49

1,4-Dioxane

Concen: 1006.593 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

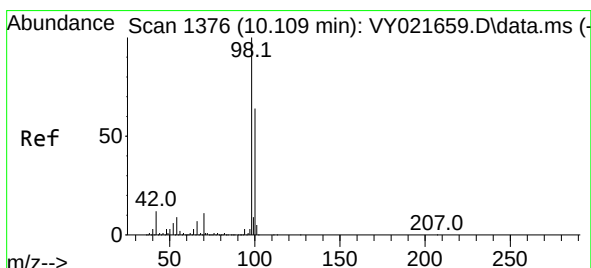
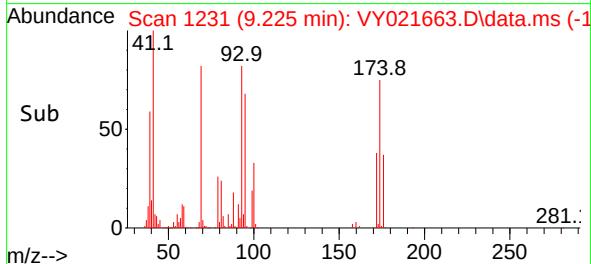
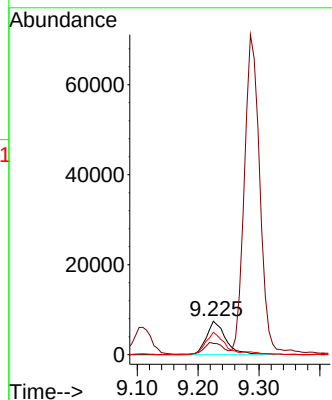
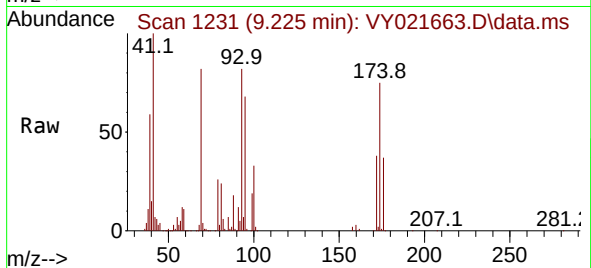
Tgt Ion: 88 Resp: 16464

Ion Ratio Lower Upper

88 100

43 32.8 28.8 43.2

58 63.4 59.4 89.2



#50

Toluene-d8

Concen: 55.117 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021663.D

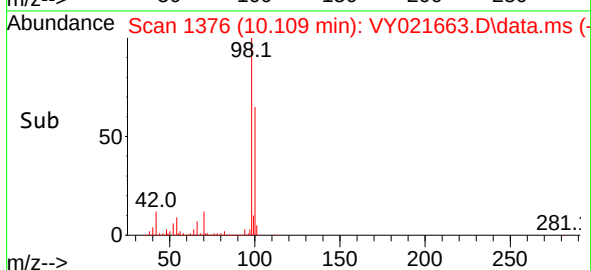
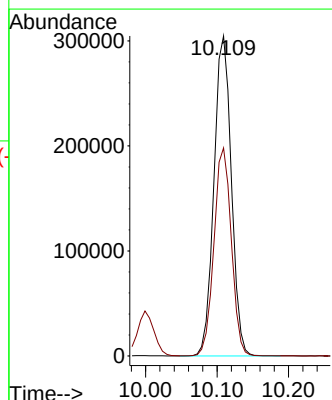
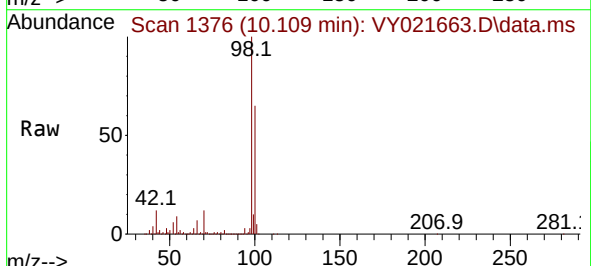
Acq: 27 Mar 2025 13:15

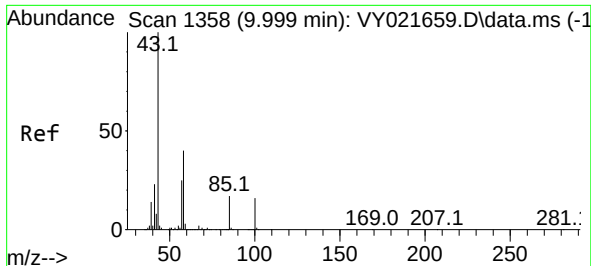
Tgt Ion: 98 Resp: 514482

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1

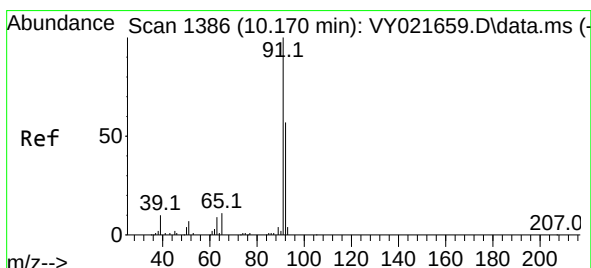
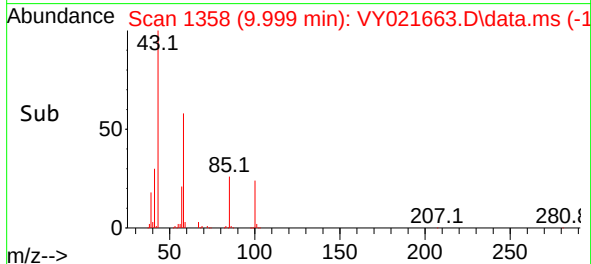
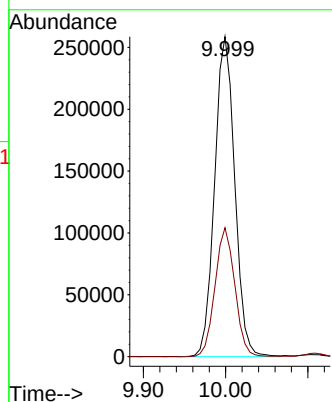
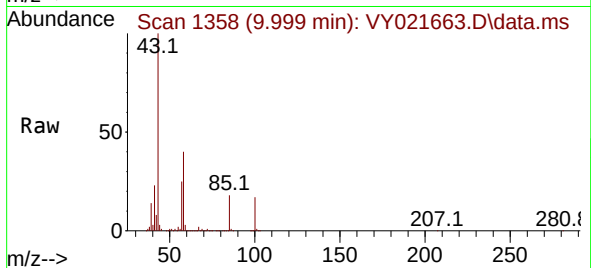




#51
4-Methyl-2-Pentanone
Concen: 252.890 ug/l
RT: 9.999 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

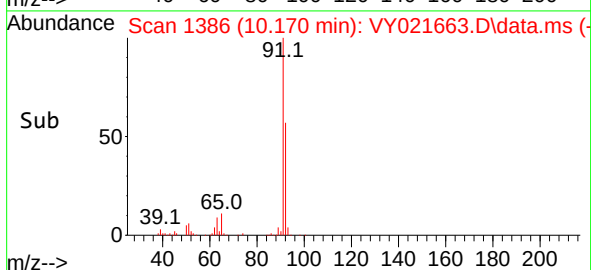
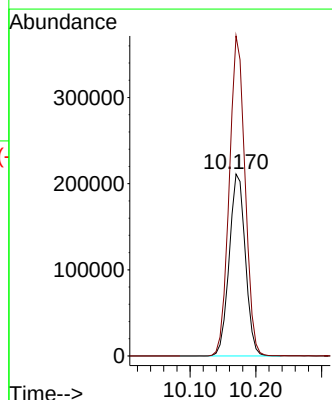
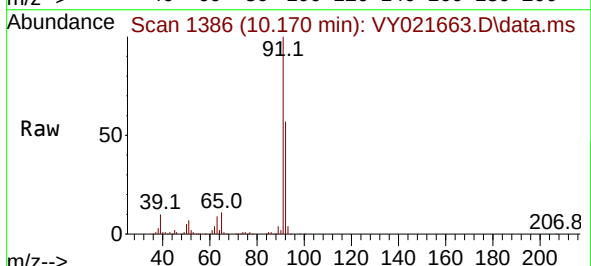
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

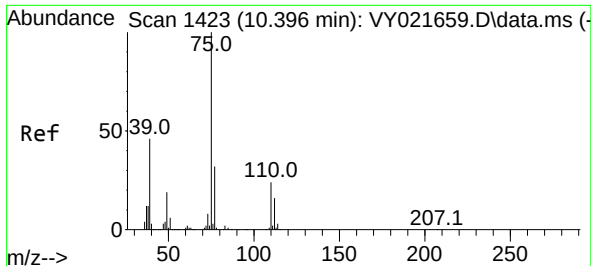
Tgt Ion: 43 Resp: 439879
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3



#52
Toluene
Concen: 51.555 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 92 Resp: 360002
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8

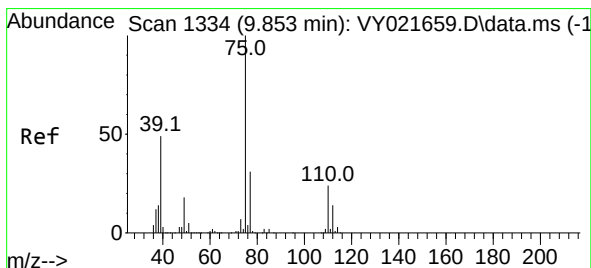
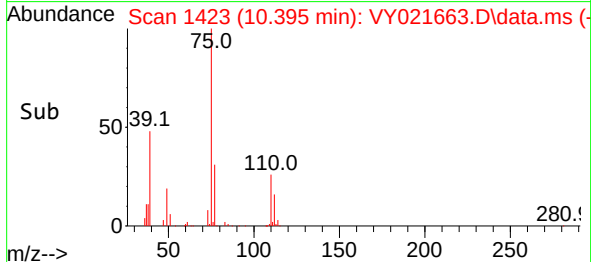
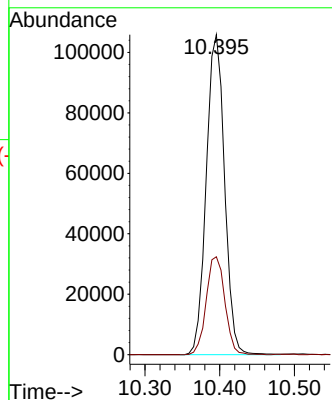
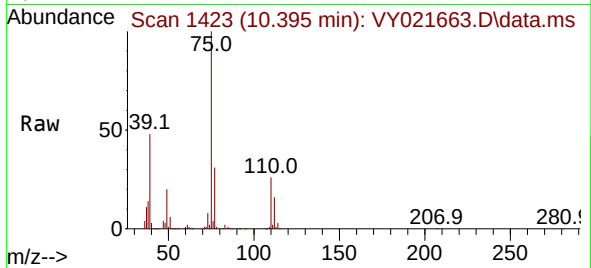




#53
t-1,3-Dichloropropene
Concen: 51.152 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

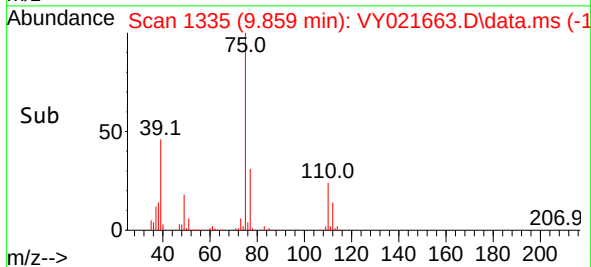
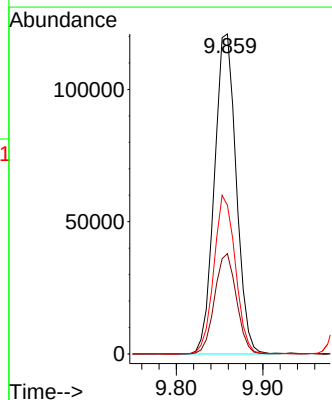
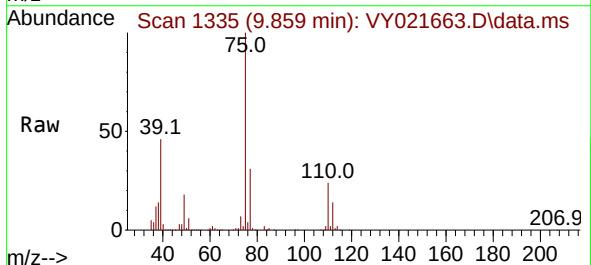
Instrument : MSVOA_Y
ClientSampleId : ICVVY032725

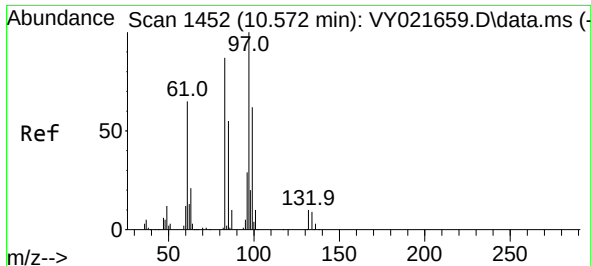
Tgt Ion: 75 Resp: 179752
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 51.154 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 212066
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 46.4 39.2 58.8

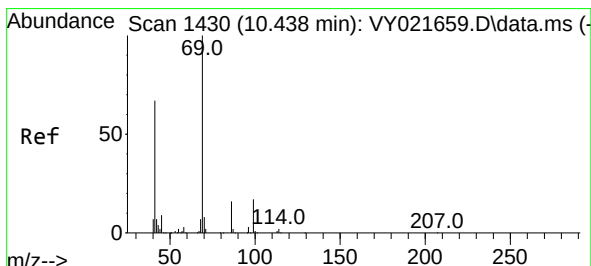
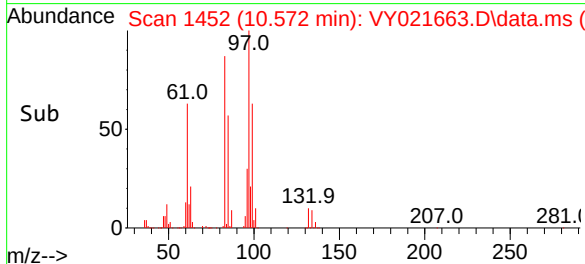
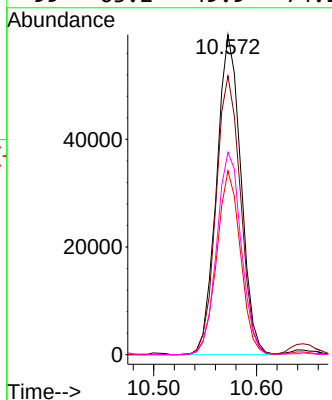
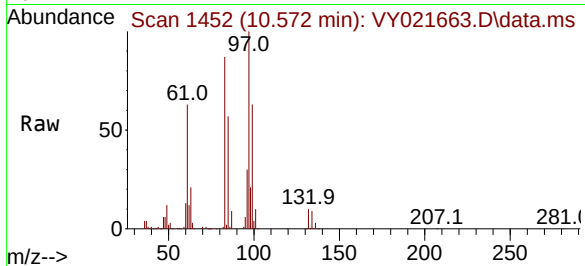




#55
1,1,2-Trichloroethane
Concen: 49.656 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

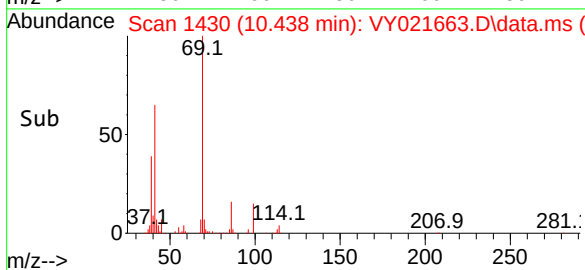
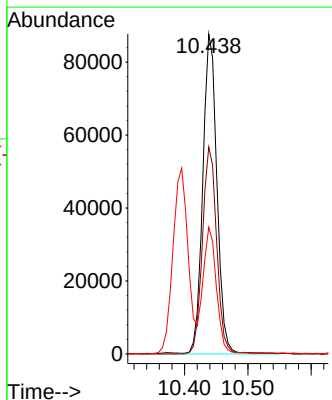
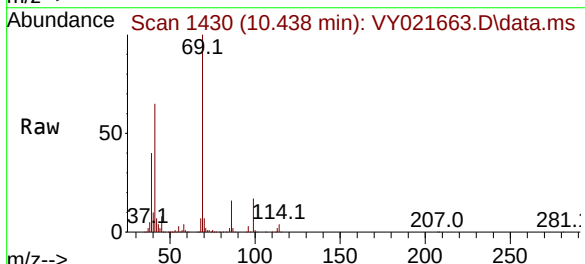
Instrument : MSVOA_Y
ClientSampleId : ICVVY032725

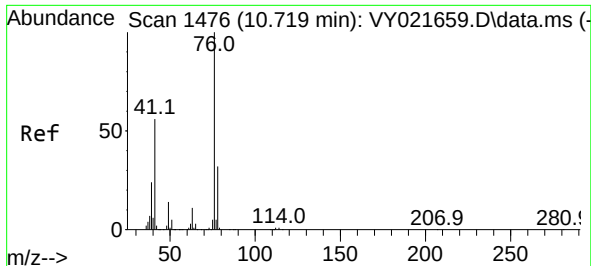
Tgt Ion: 97	Resp: 97567
Ion Ratio	Lower Upper
97 100	
83 87.1	69.5 104.3
85 57.4	43.9 65.9
99 63.2	49.9 74.9



#56
Ethyl methacrylate
Concen: 54.371 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 69	Resp: 136411
Ion Ratio	Lower Upper
69 100	
41 64.4	53.8 80.6
39 37.0	29.6 44.4





#57

1,3-Dichloropropane

Concen: 50.563 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

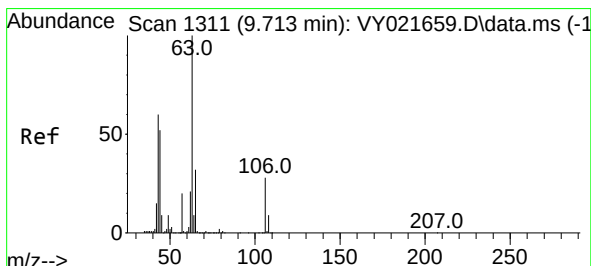
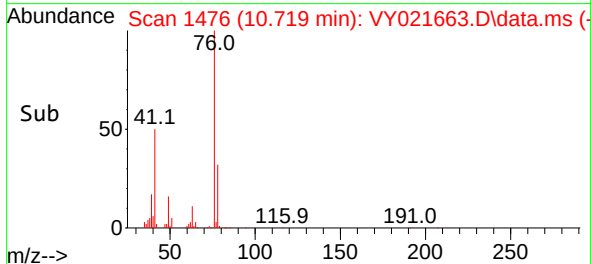
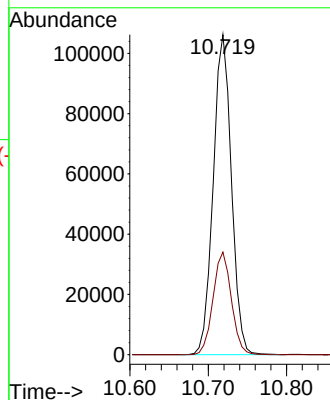
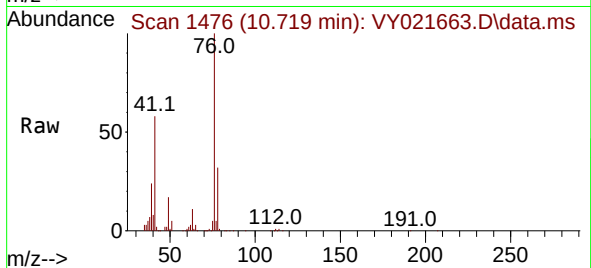
ICVVY032725

Tgt Ion: 76 Resp: 171579

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 276.714 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY021663.D

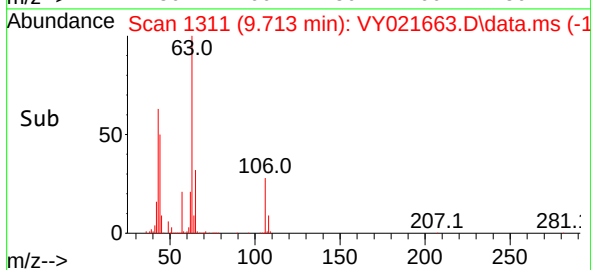
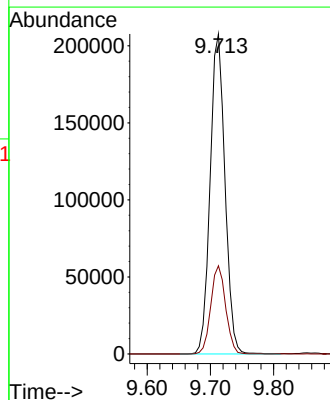
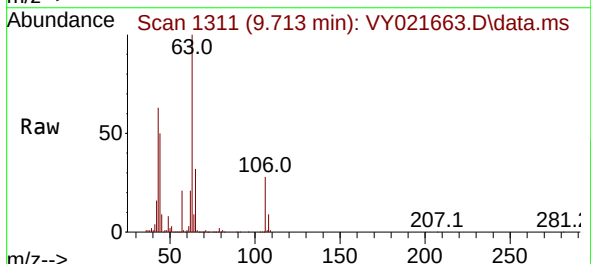
Acq: 27 Mar 2025 13:15

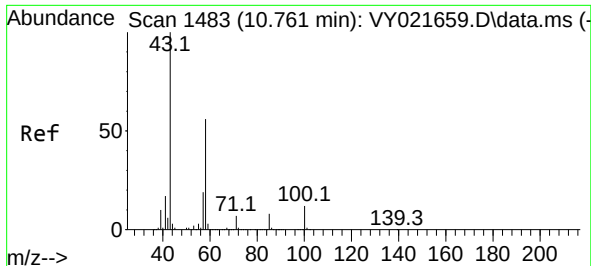
Tgt Ion: 63 Resp: 338673

Ion Ratio Lower Upper

63 100

106 27.5 22.4 33.6





#59

2-Hexanone

Concen: 255.065 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

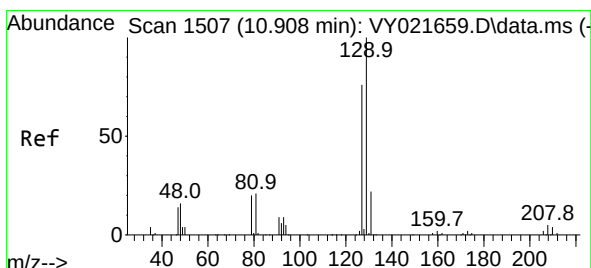
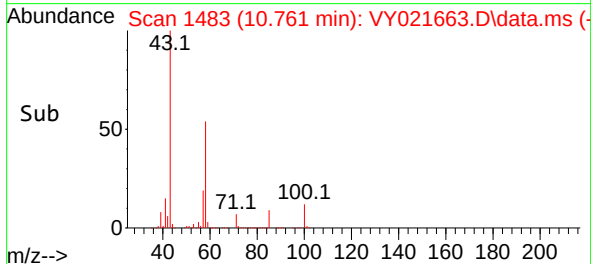
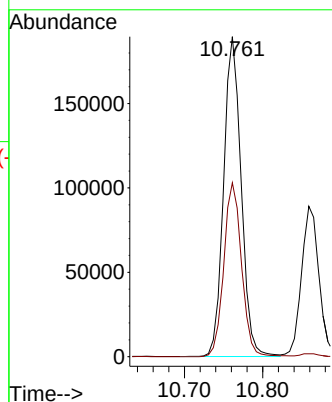
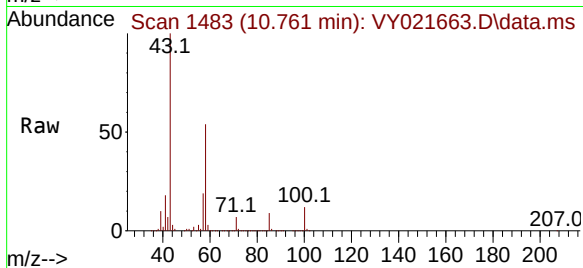
ICVY032725

Tgt Ion: 43 Resp: 295472

Ion Ratio Lower Upper

43 100

58 55.0 27.2 81.5



#60

Dibromochloromethane

Concen: 50.679 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021663.D

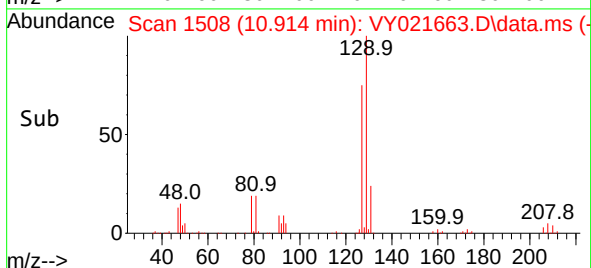
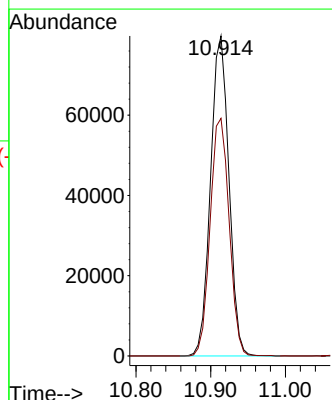
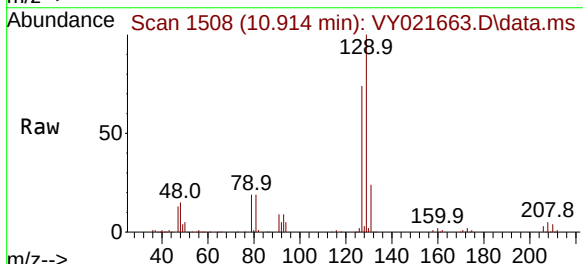
Acq: 27 Mar 2025 13:15

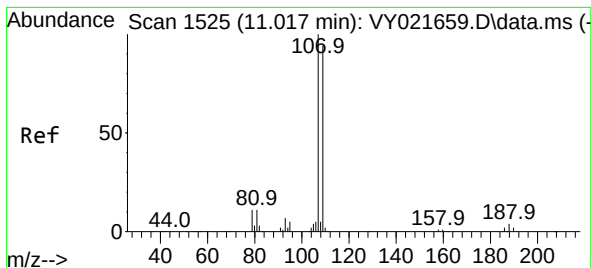
Tgt Ion:129 Resp: 135955

Ion Ratio Lower Upper

129 100

127 76.9 38.6 115.7

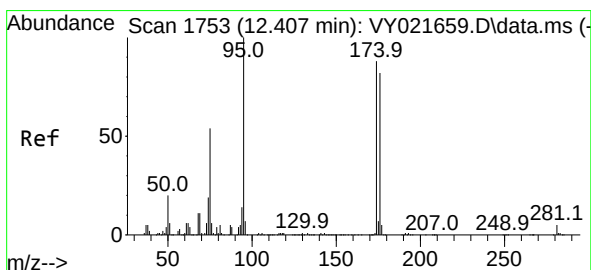
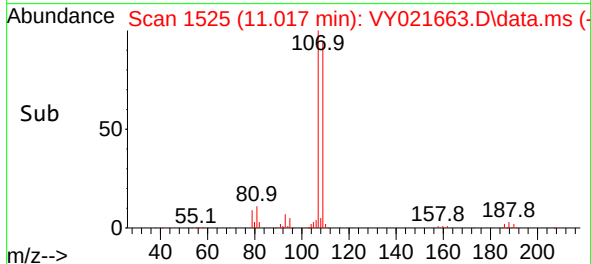
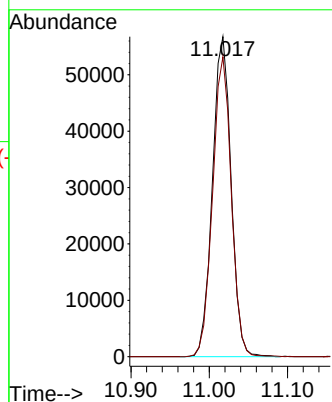
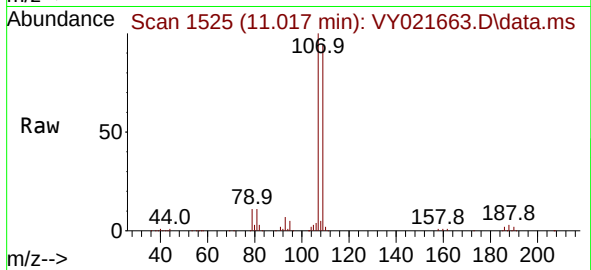




#61
1,2-Dibromoethane
Concen: 50.970 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

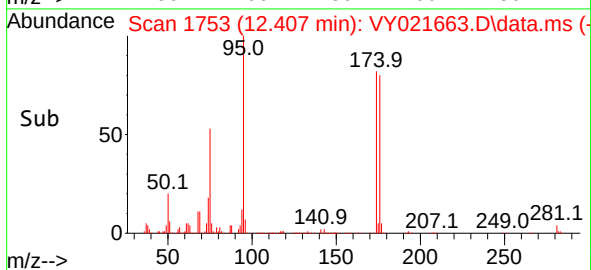
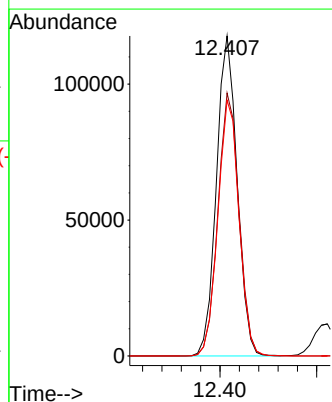
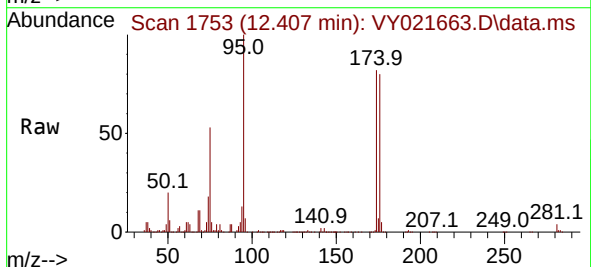
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

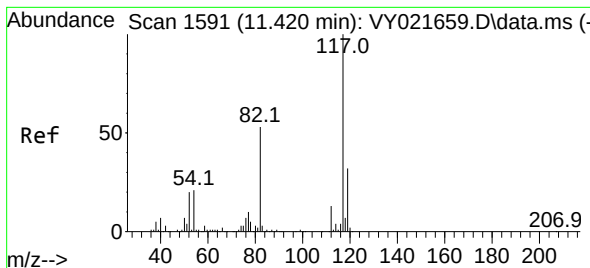
Tgt Ion:107 Resp: 93947
Ion Ratio Lower Upper
107 100
109 94.0 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 55.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 95 Resp: 174721
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 81.4 0.0 162.0

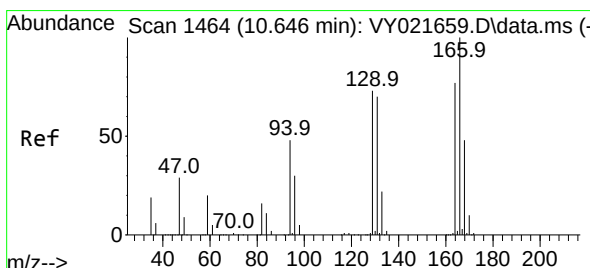
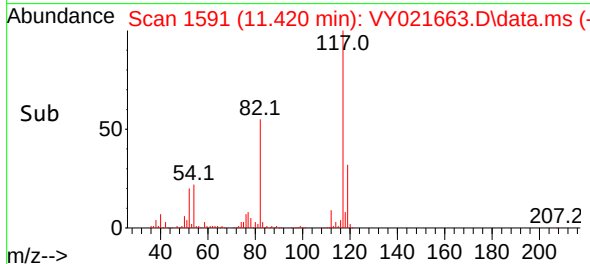
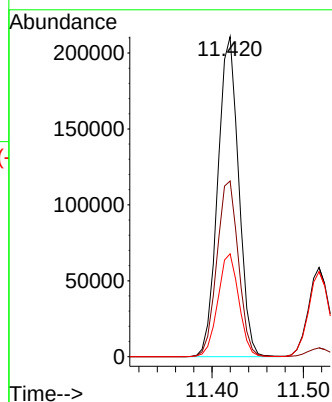
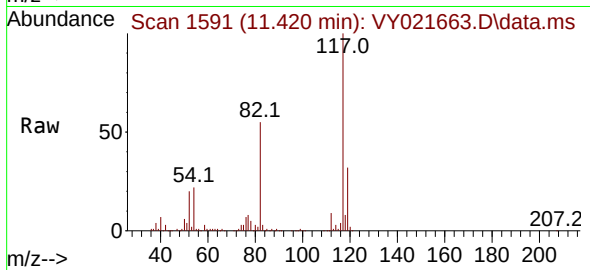




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

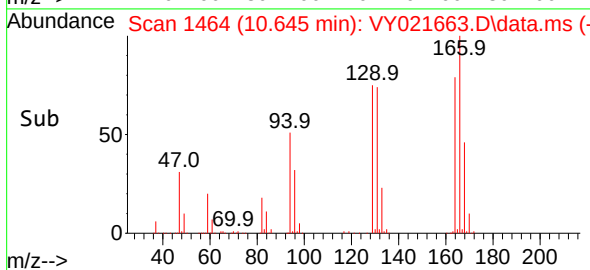
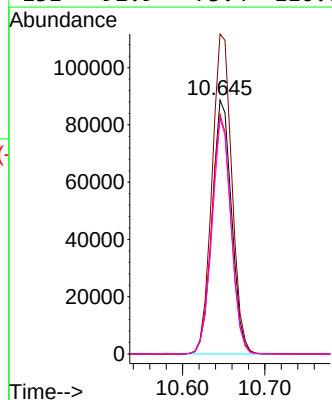
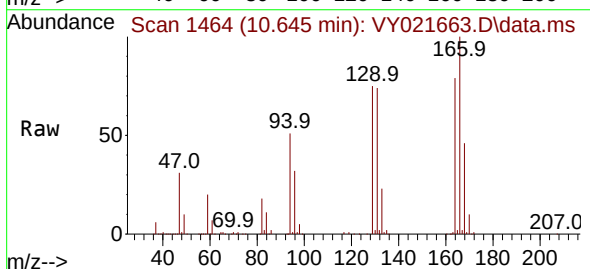
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

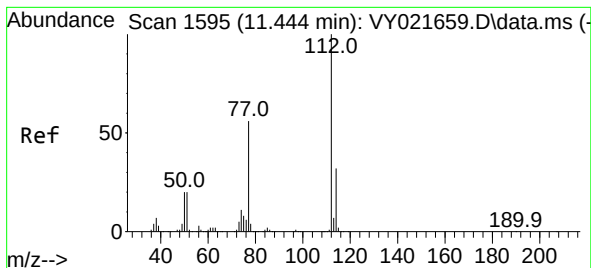
Tgt Ion:117 Resp: 335061
Ion Ratio Lower Upper
117 100
82 54.9 42.8 64.2
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 47.757 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:164 Resp: 145736
Ion Ratio Lower Upper
164 100
166 126.1 104.6 156.8
129 94.4 76.6 114.8
131 92.9 73.4 110.0

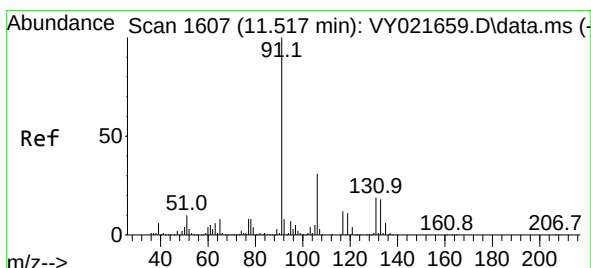
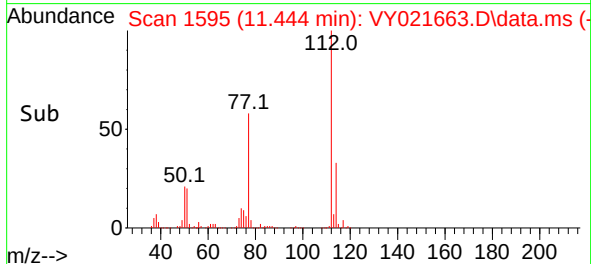
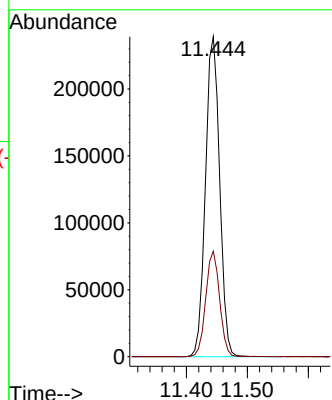
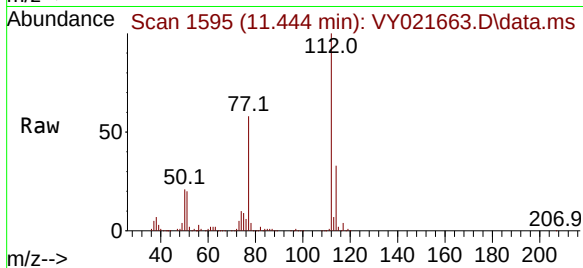




#65
Chlorobenzene
Concen: 50.384 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

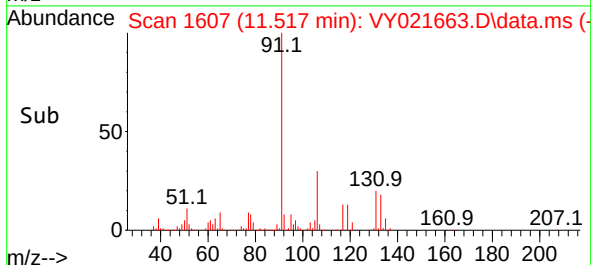
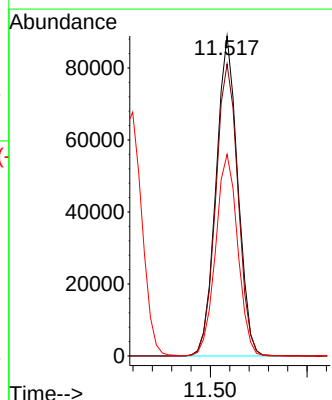
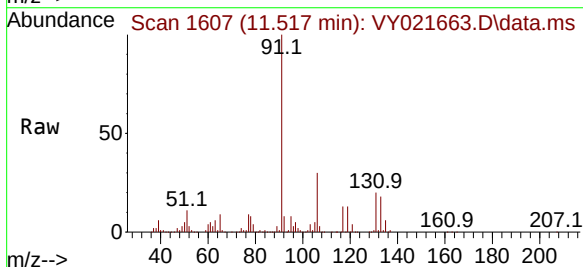
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

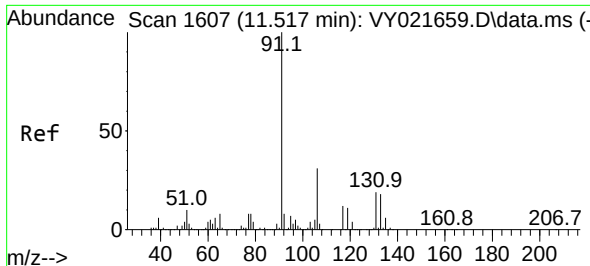
Tgt Ion:112 Resp: 386987
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.802 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:131 Resp: 138442
Ion Ratio Lower Upper
131 100
133 93.8 47.3 141.8
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 52.346 ug/l

RT: 11.517 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

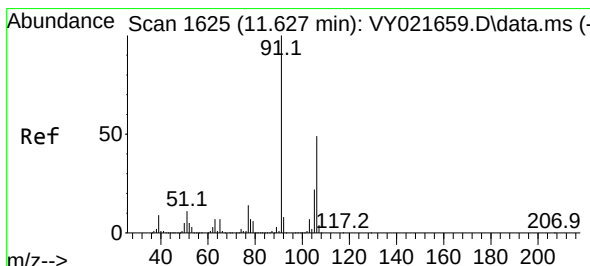
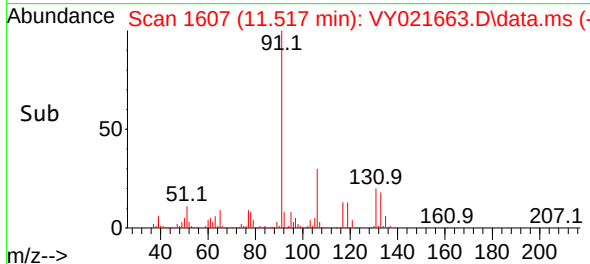
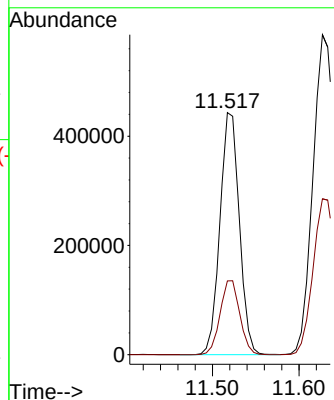
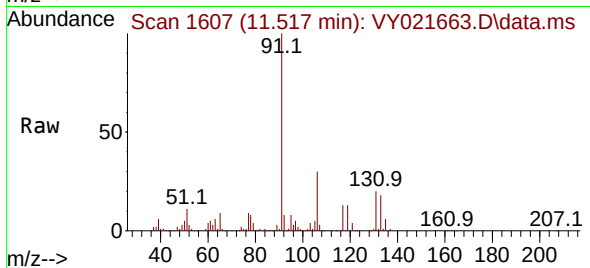
ICVY032725

Tgt Ion: 91 Resp: 689434

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



#68

m/p-Xylenes

Concen: 105.402 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021663.D

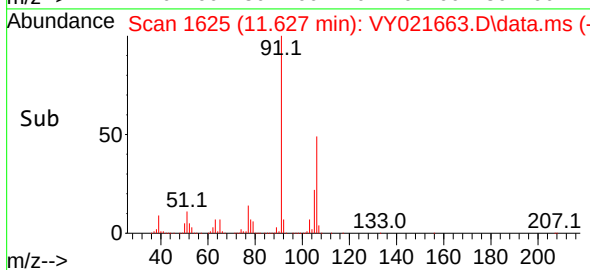
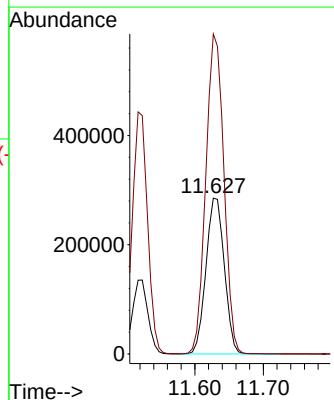
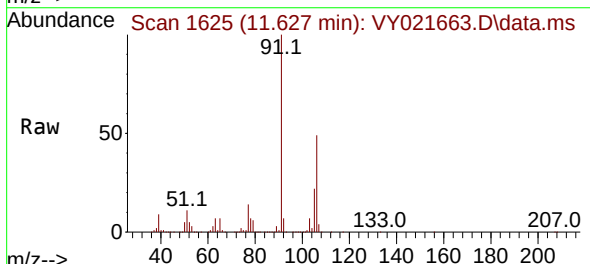
Acq: 27 Mar 2025 13:15

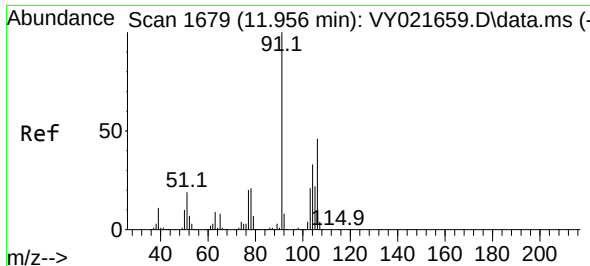
Tgt Ion:106 Resp: 531589

Ion Ratio Lower Upper

106 100

91 202.3 162.4 243.6

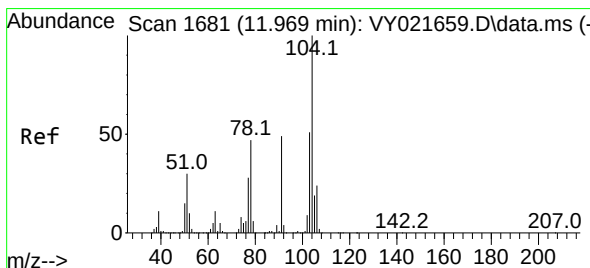
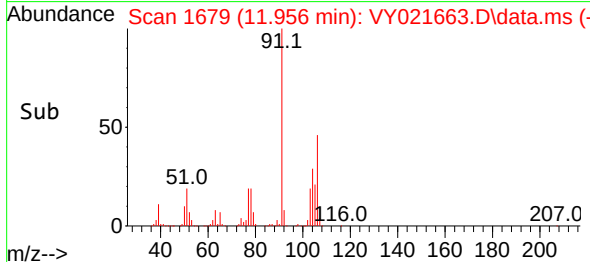
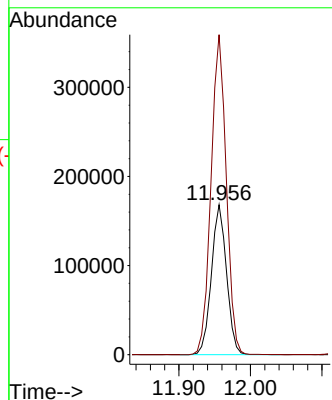
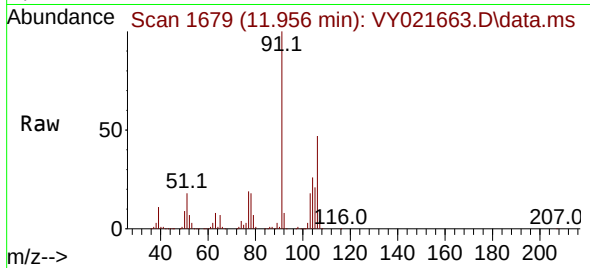




#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

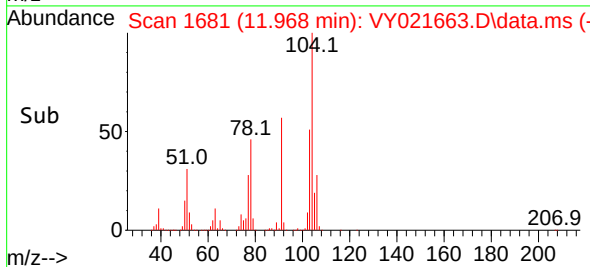
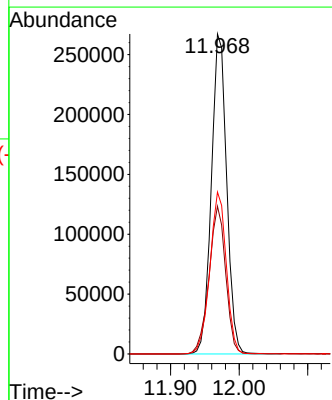
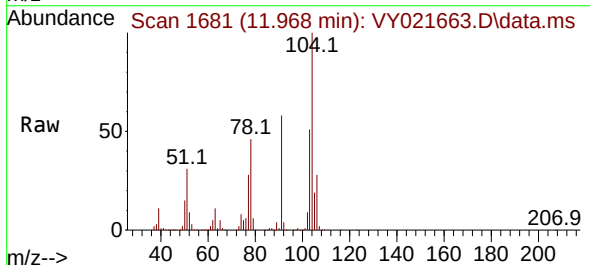
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

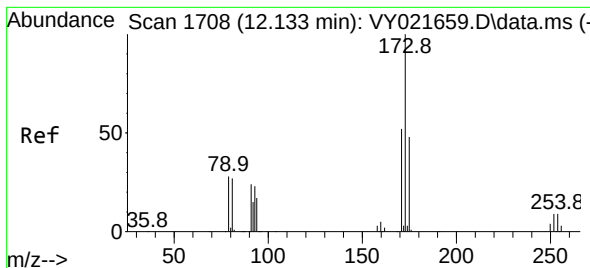
Tgt Ion:106 Resp: 247091
Ion Ratio Lower Upper
106 100
91 214.6 106.7 319.9



#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:104 Resp: 416261
Ion Ratio Lower Upper
104 100
78 50.1 40.8 61.2
103 54.3 44.2 66.2

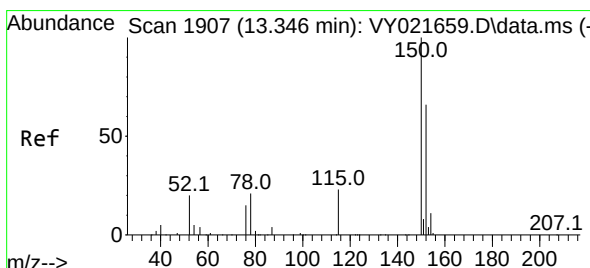
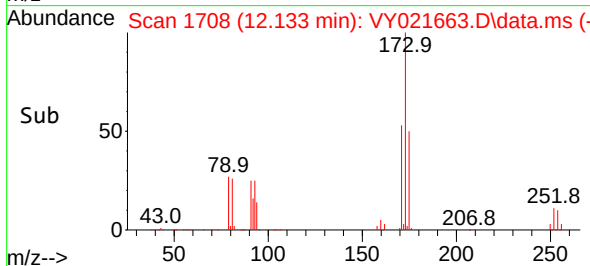
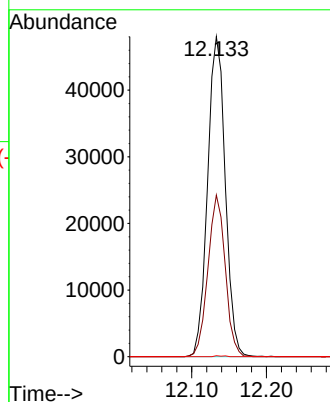
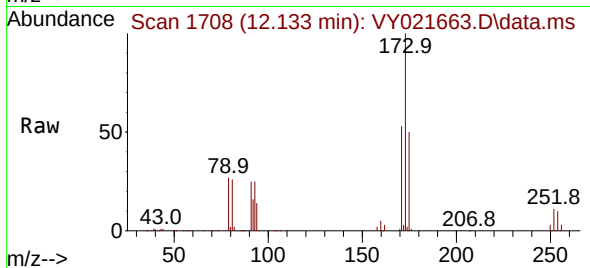




#71
Bromoform
Concen: 50.778 ug/l
RT: 12.133 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

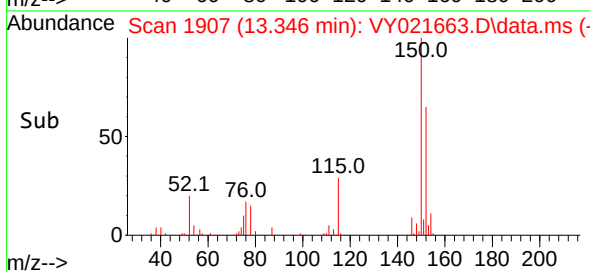
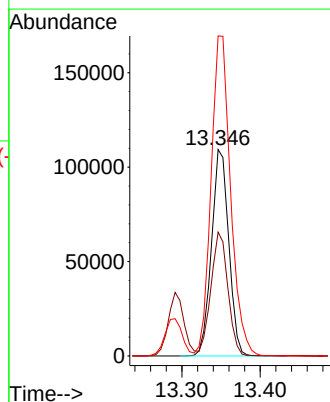
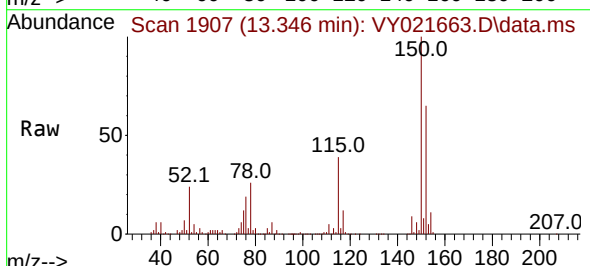
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

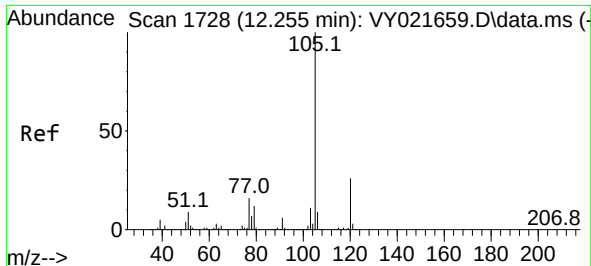
Tgt Ion:173 Resp: 78932
Ion Ratio Lower Upper
173 100
175 49.5 24.3 73.0
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:152 Resp: 166949
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 175.8 0.0 348.4

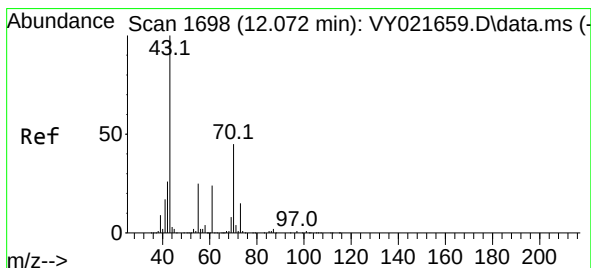
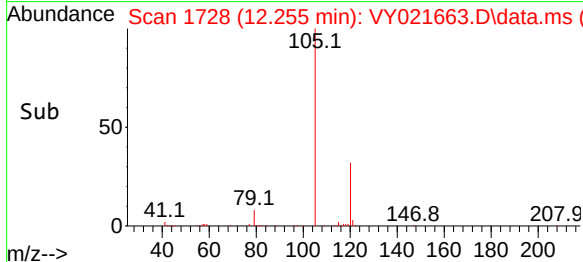
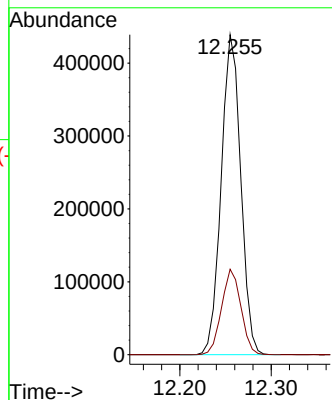
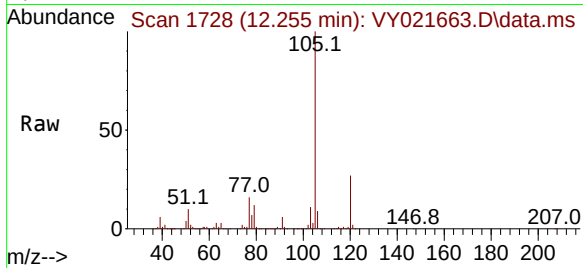




#73
Isopropylbenzene
Concen: 52.705 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

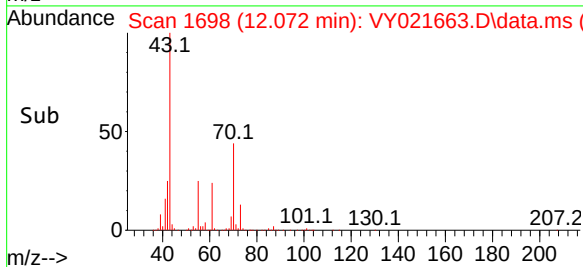
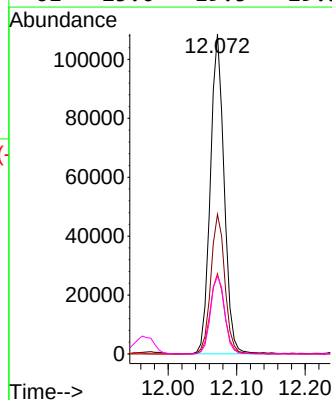
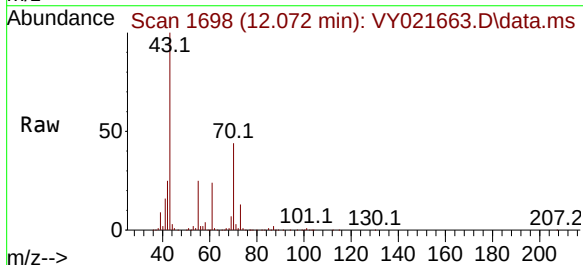
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

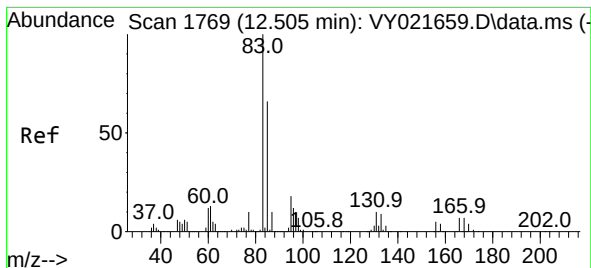
Tgt Ion:105 Resp: 653541
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5



#74
N-ethyl acetate
Concen: 52.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 152268
Ion Ratio Lower Upper
43 100
70 44.6 34.7 52.1
55 26.0 21.2 31.8
61 25.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.266 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

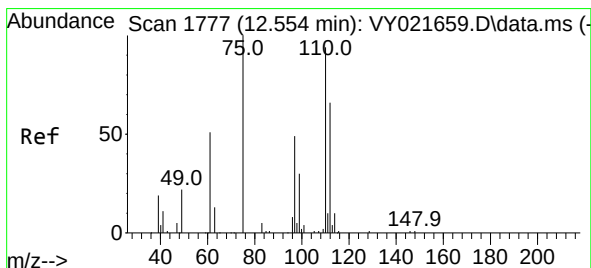
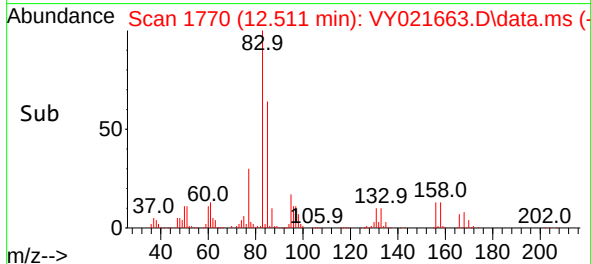
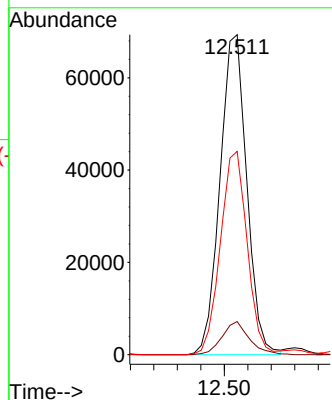
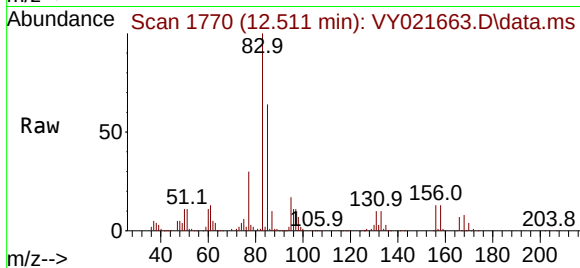
Tgt Ion: 83 Resp: 109833

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 63.6 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 89.982 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY021663.D

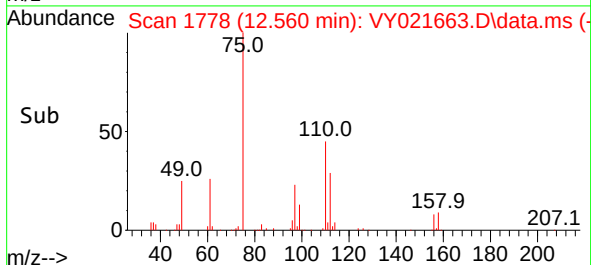
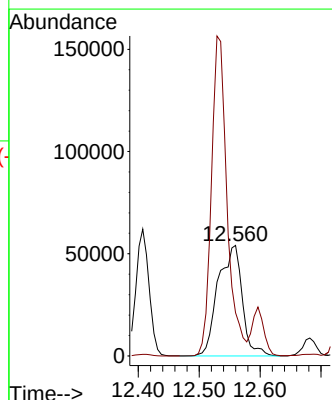
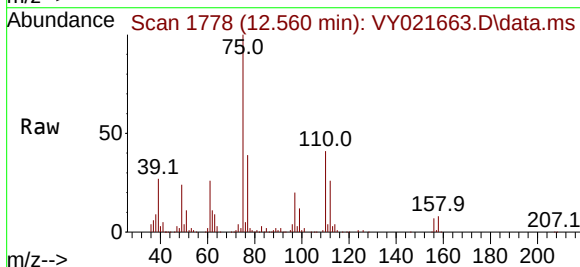
Acq: 27 Mar 2025 13:15

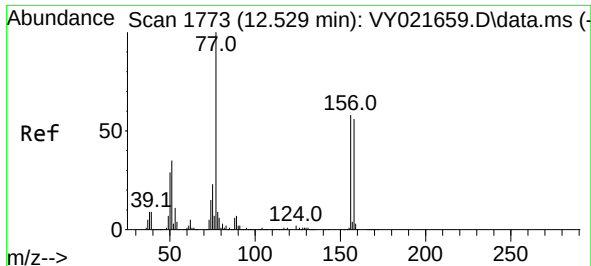
Tgt Ion: 75 Resp: 148910

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

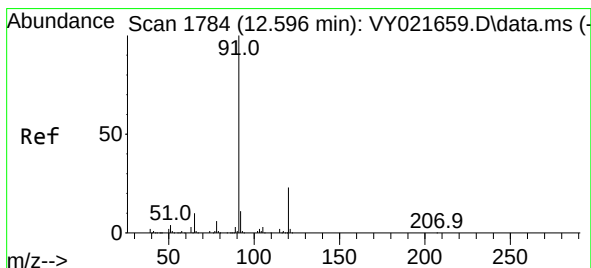
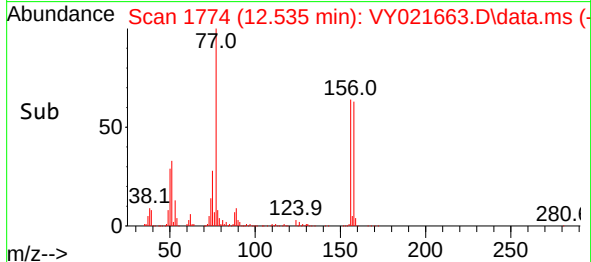
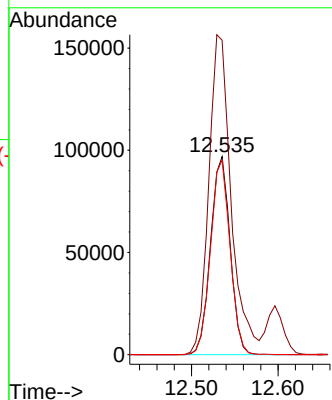
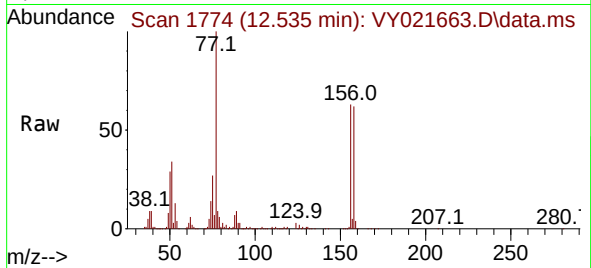




#77
Bromobenzene
Concen: 51.125 ug/l
RT: 12.535 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

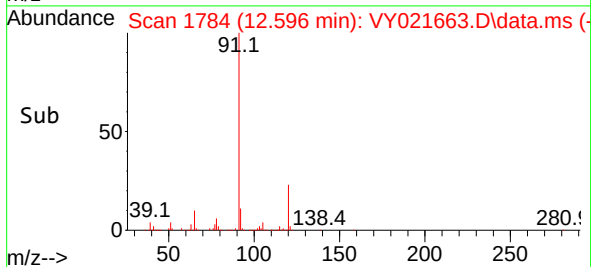
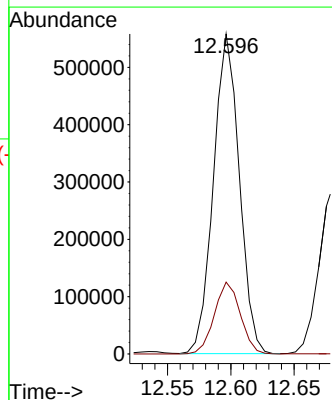
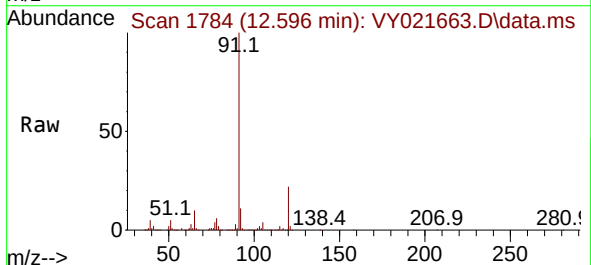
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

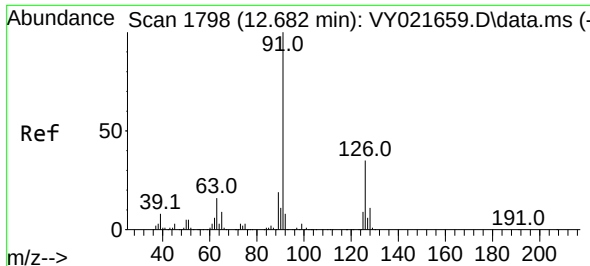
Tgt Ion:156 Resp: 152211
Ion Ratio Lower Upper
156 100
77 184.2 92.8 278.3
158 98.1 48.5 145.6



#78
n-propylbenzene
Concen: 53.182 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 792814
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9

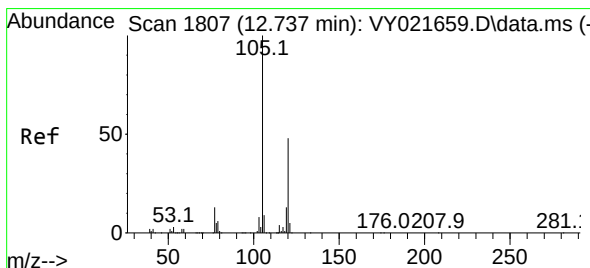
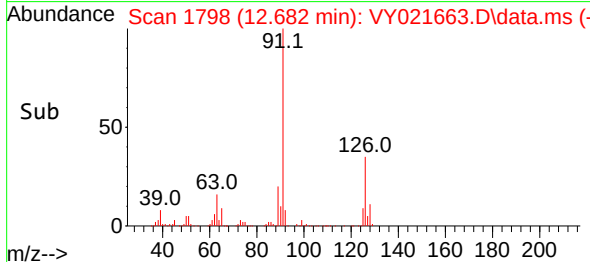
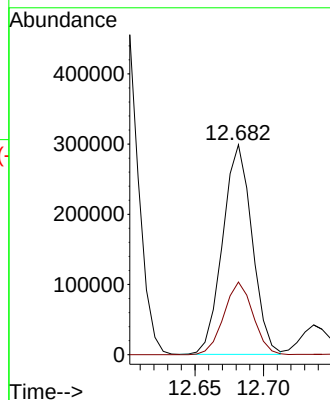
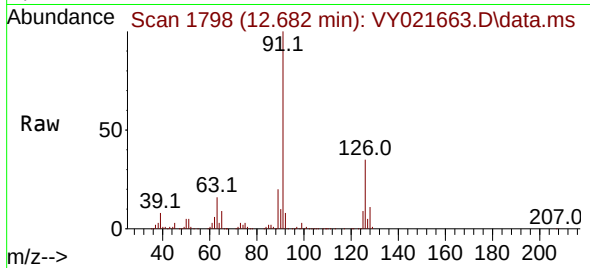




#79
2-Chlorotoluene
Concen: 51.671 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

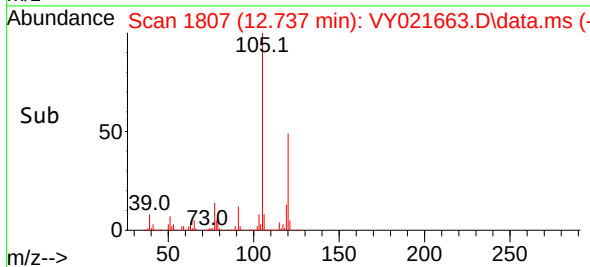
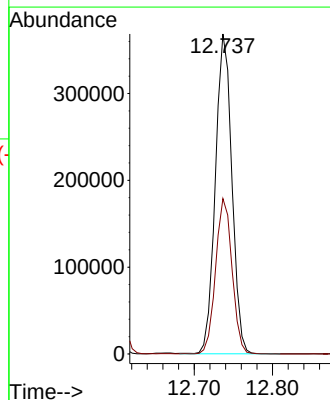
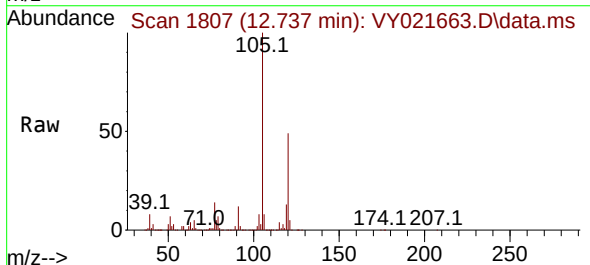
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

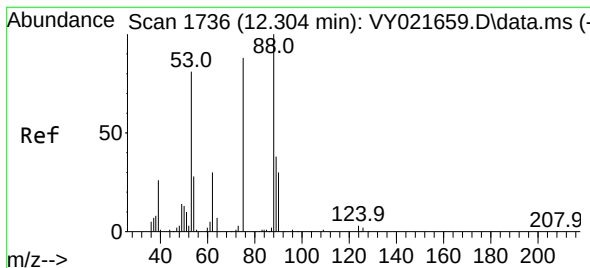
Tgt Ion: 91 Resp: 447402
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 53.236 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 105 Resp: 539512
Ion Ratio Lower Upper
105 100
120 48.4 24.5 73.5

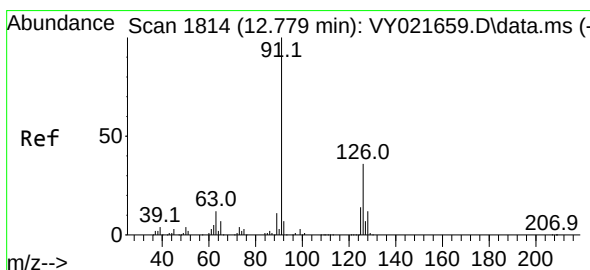
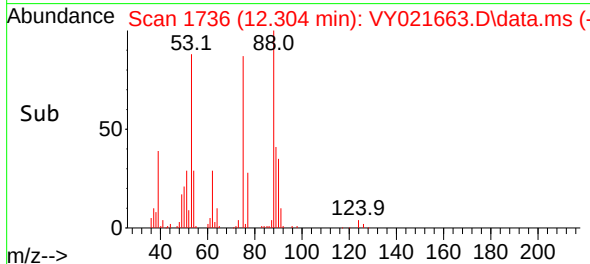
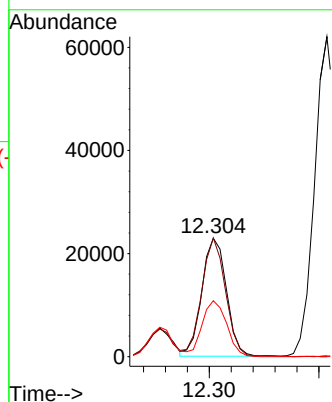
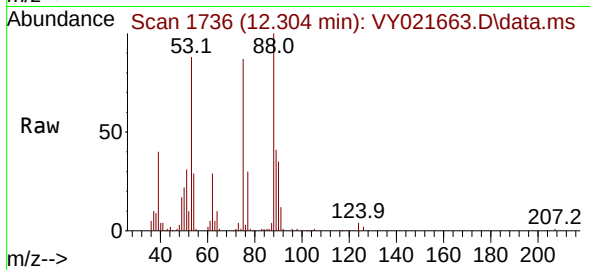




#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

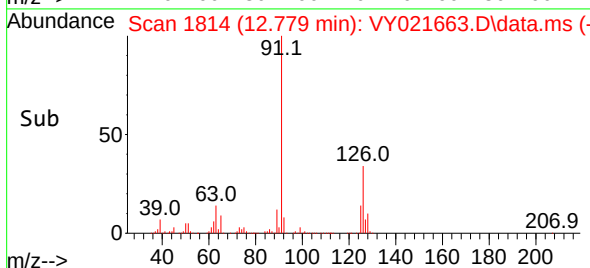
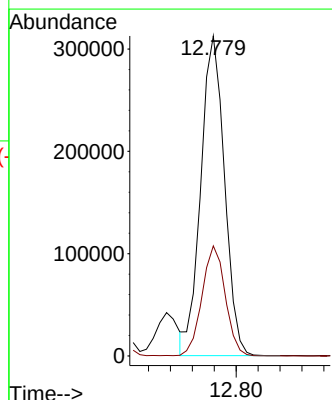
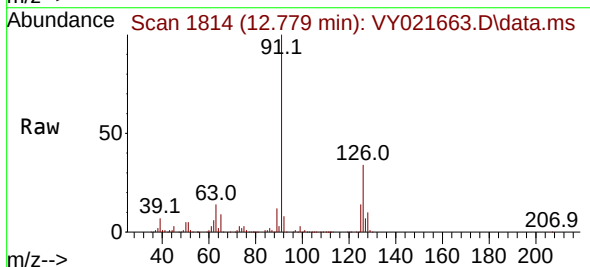
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

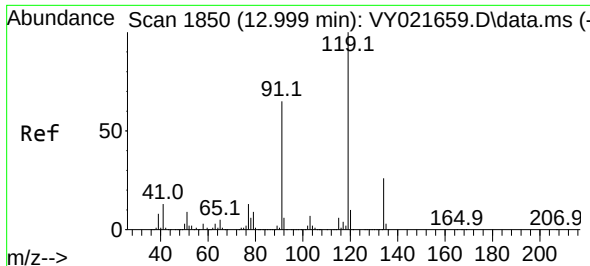
Tgt Ion:	75	Resp:	35543
Ion	Ratio	Lower	Upper
75	100		
53	98.7	76.1	114.1
89	47.3	36.2	54.4



#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:	91	Resp:	469122
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

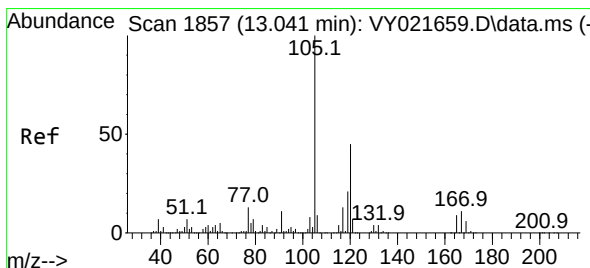
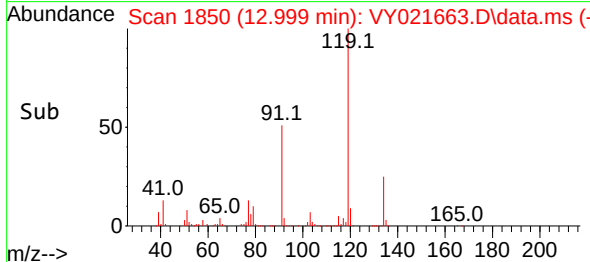
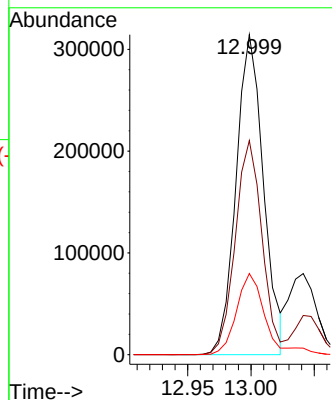
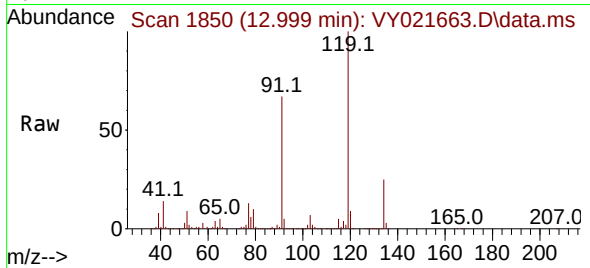




#83
tert-Butylbenzene
Concen: 52.616 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

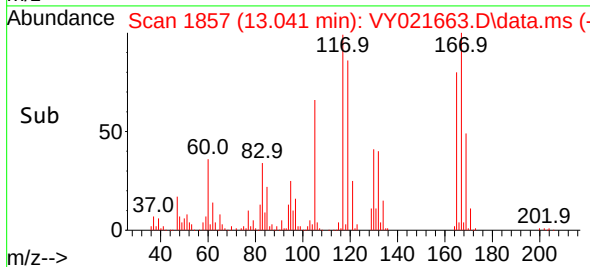
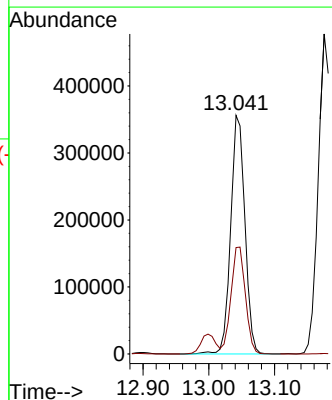
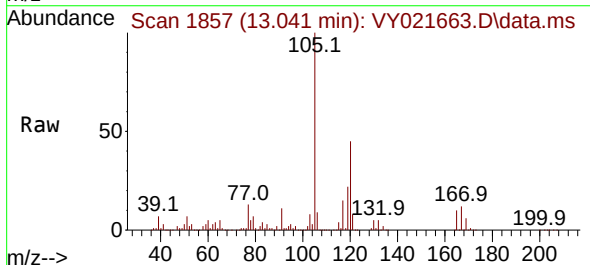
Instrument : MSVOA_Y
ClientSampleId : ICVVY032725

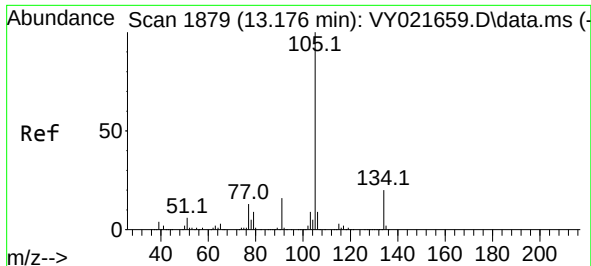
Tgt Ion:119 Resp: 474947
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.5 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 53.454 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 535411
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1

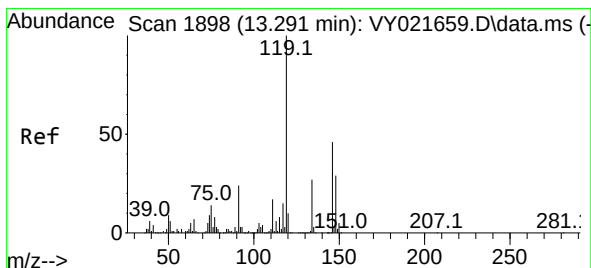
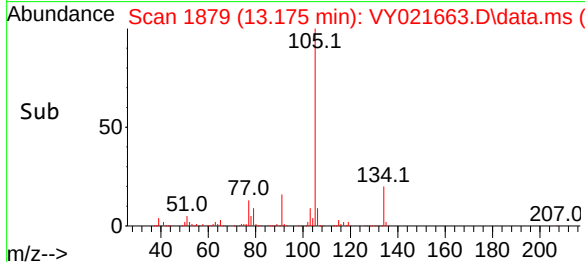
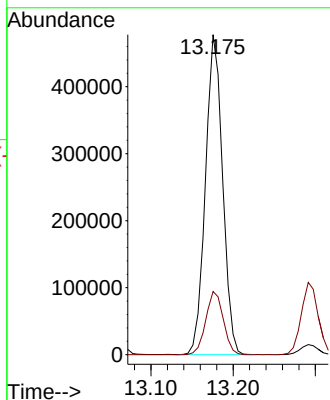
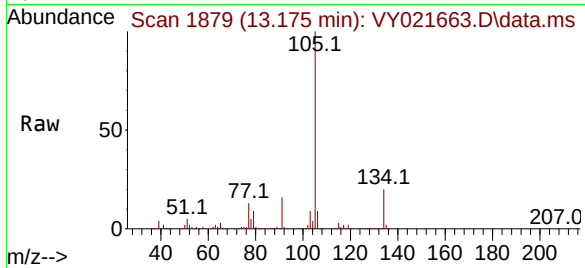




#85
 sec-Butylbenzene
 Concen: 52.471 ug/l
 RT: 13.175 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

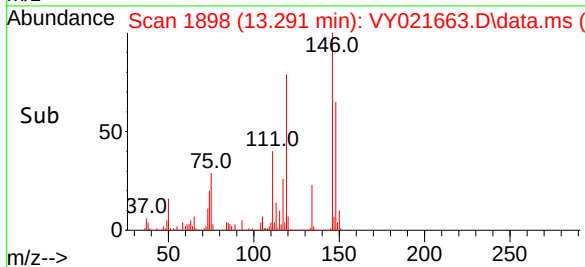
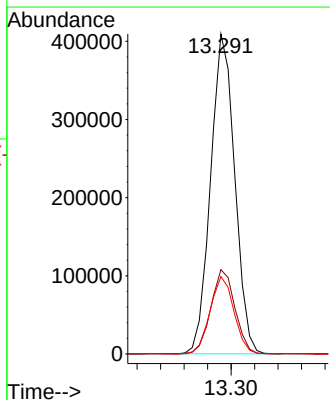
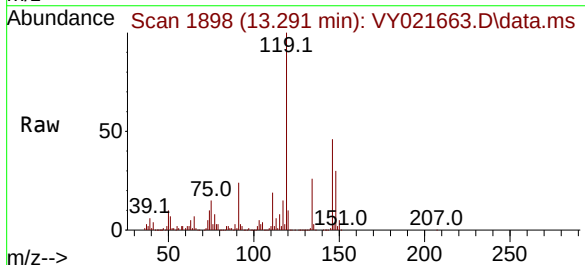
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

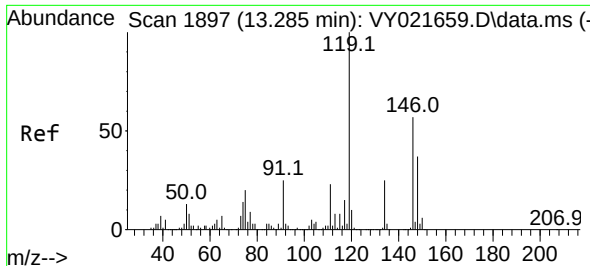
Tgt Ion:105 Resp: 692180
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 53.479 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY021663.D
 Acq: 27 Mar 2025 13:15

Tgt Ion:119 Resp: 583069
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.8 12.0 36.0

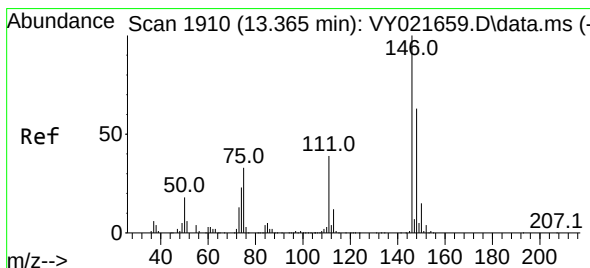
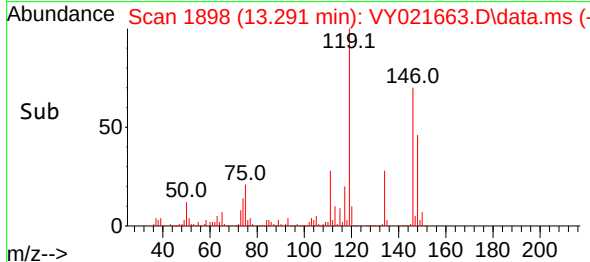
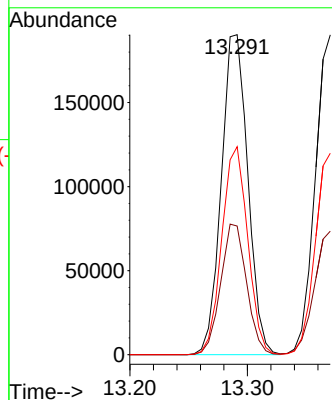
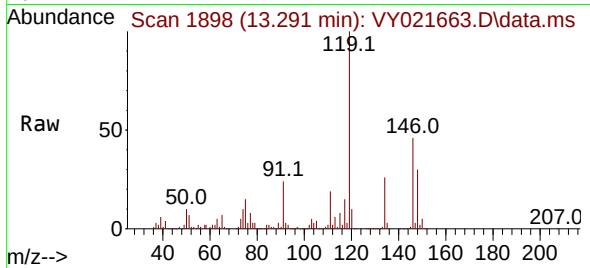




#87
1,3-Dichlorobenzene
Concen: 50.987 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

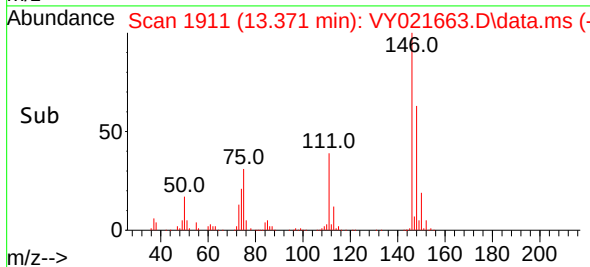
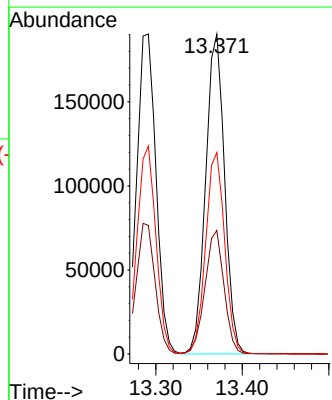
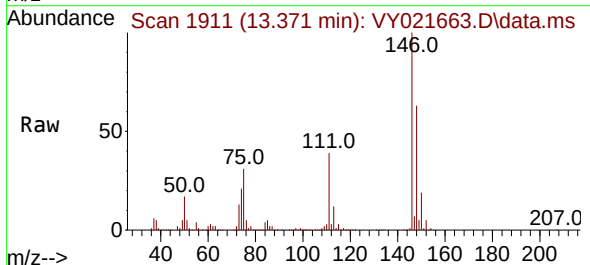
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

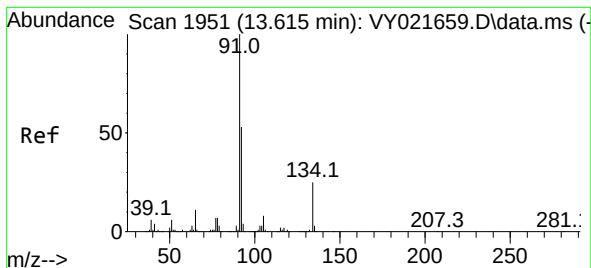
Tgt Ion:146 Resp: 299075
Ion Ratio Lower Upper
146 100
111 40.0 20.0 60.0
148 63.5 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 49.741 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 288264
Ion Ratio Lower Upper
146 100
111 39.0 19.1 57.1
148 63.7 31.5 94.5





#89

n-Butylbenzene

Concen: 52.927 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

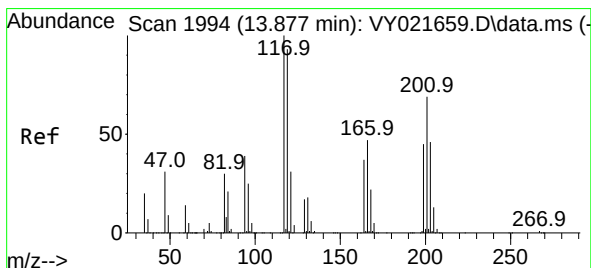
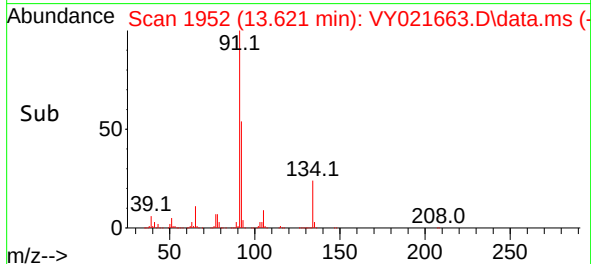
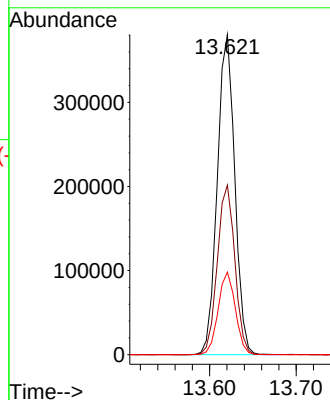
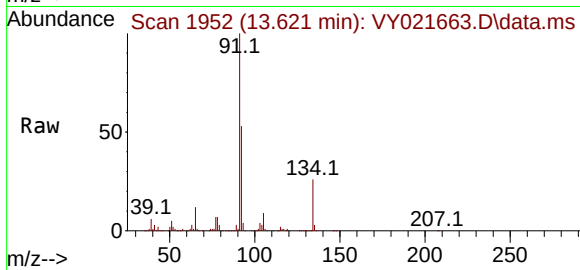
Tgt Ion: 91 Resp: 533666

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

134 25.4 12.8 38.4



#90

Hexachloroethane

Concen: 50.454 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021663.D

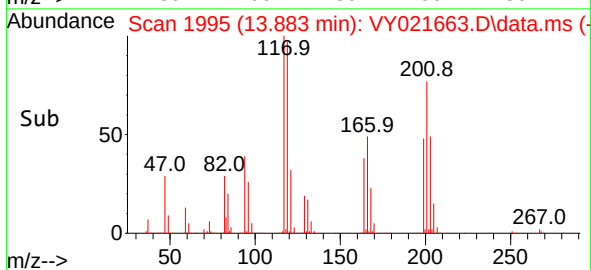
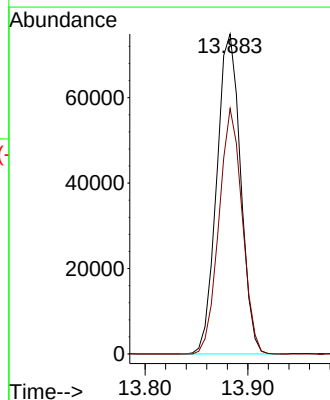
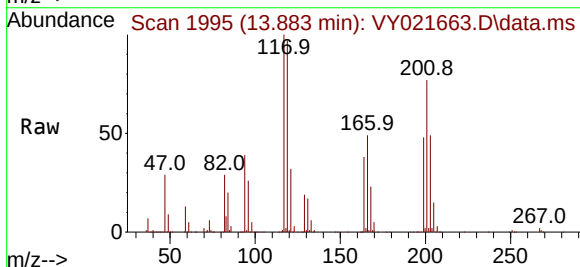
Acq: 27 Mar 2025 13:15

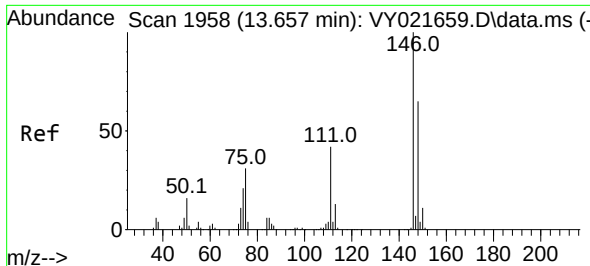
Tgt Ion: 117 Resp: 120546

Ion Ratio Lower Upper

117 100

201 74.7 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 50.346 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

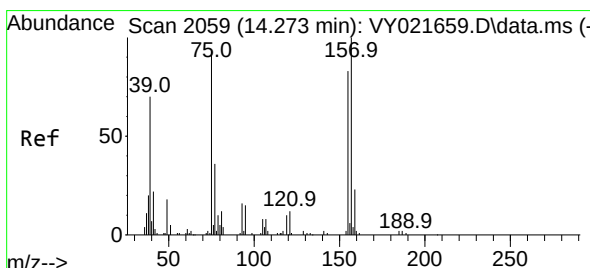
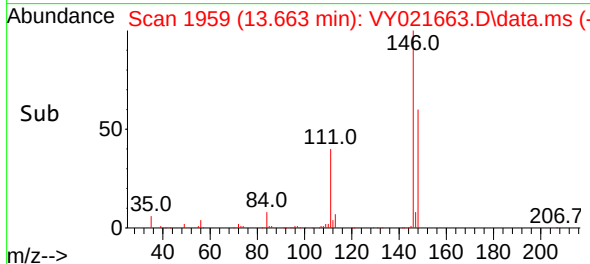
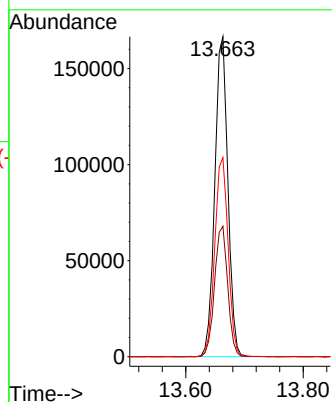
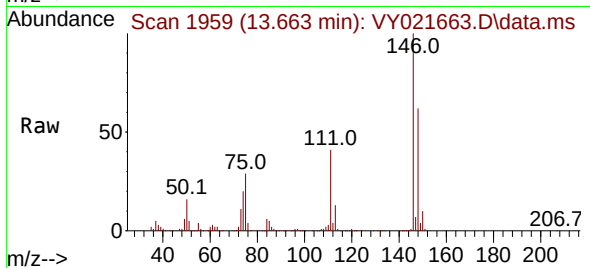
Tgt Ion:146 Resp: 257071

Ion Ratio Lower Upper

146 100

111 40.9 20.7 62.1

148 63.6 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.476 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VY021663.D

Acq: 27 Mar 2025 13:15

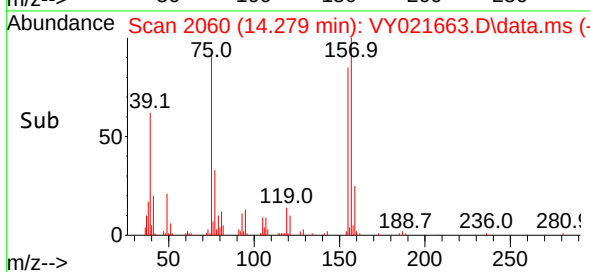
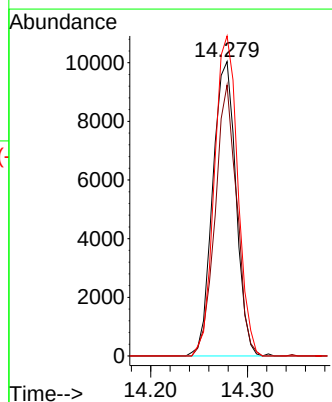
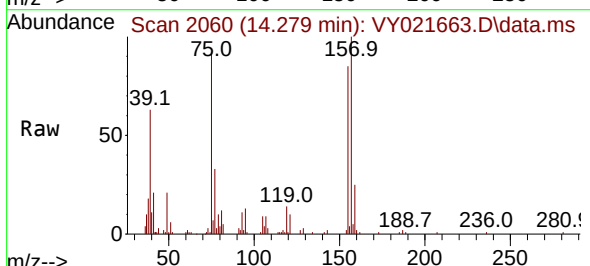
Tgt Ion: 75 Resp: 16750

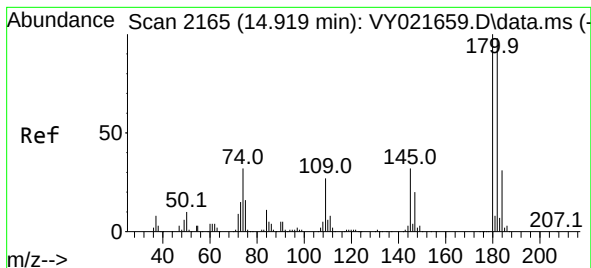
Ion Ratio Lower Upper

75 100

155 85.3 43.0 128.8

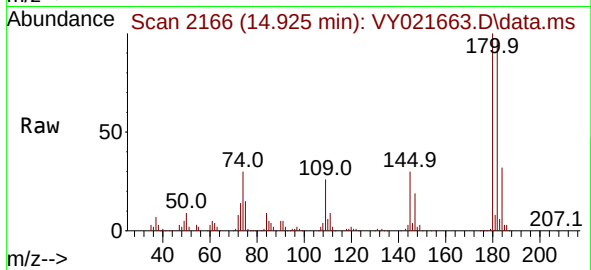
157 109.0 54.0 162.0



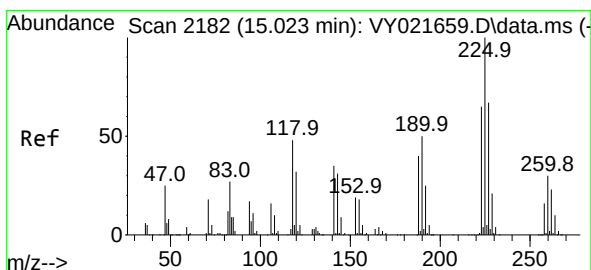
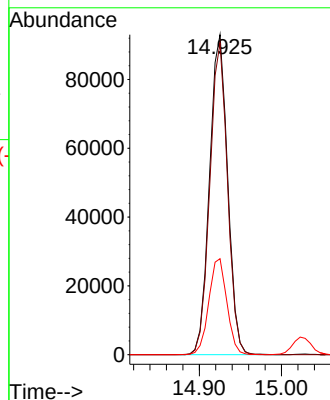
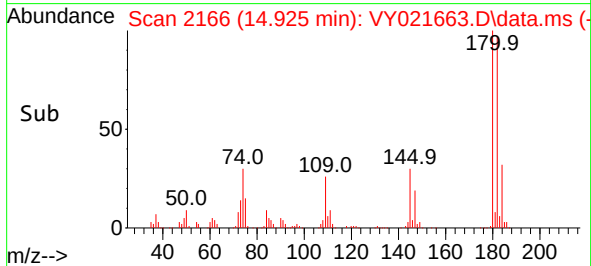


#93
1,2,4-Trichlorobenzene
Concen: 51.429 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

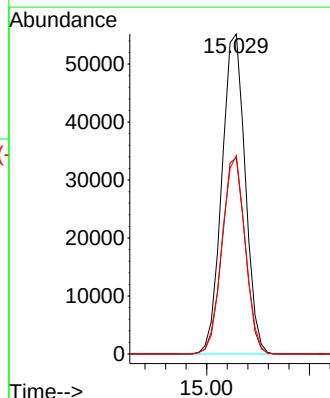
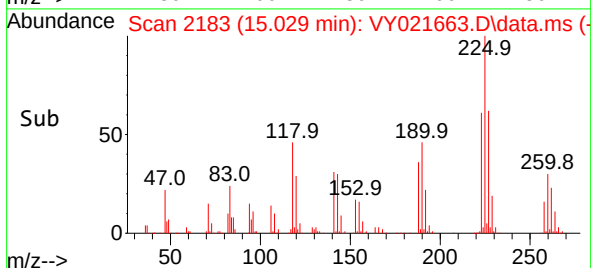
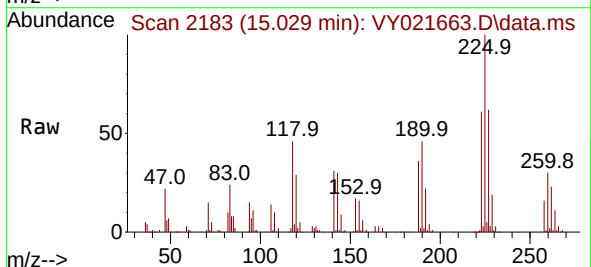


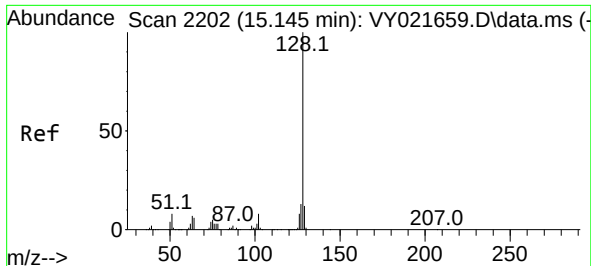
Tgt Ion:180 Resp: 142409
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.6
145 30.0 14.9 44.9



#94
Hexachlorobutadiene
Concen: 50.245 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:225 Resp: 86891
Ion Ratio Lower Upper
225 100
223 61.3 31.9 95.7
227 61.4 32.4 97.0

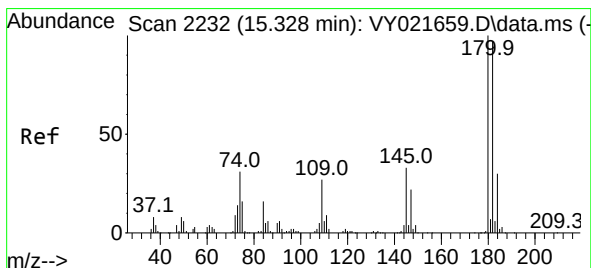
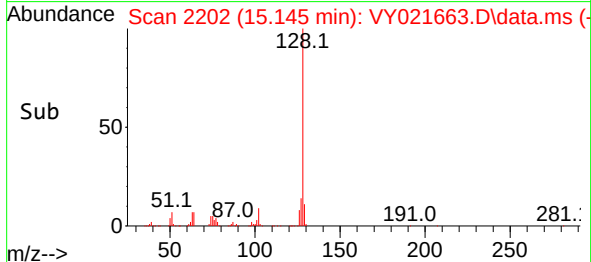
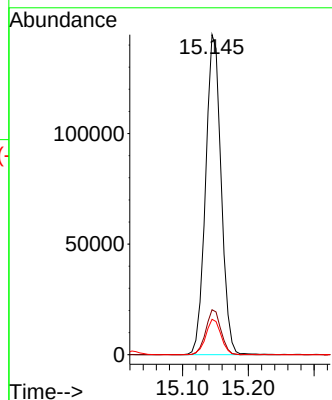
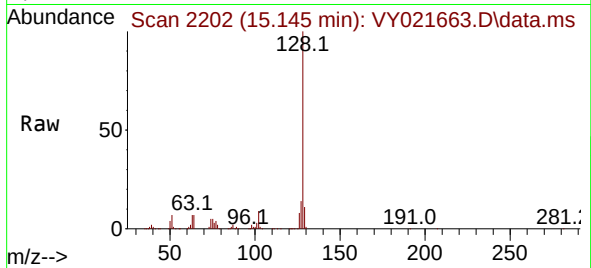




#95
Naphthalene
Concen: 51.759 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

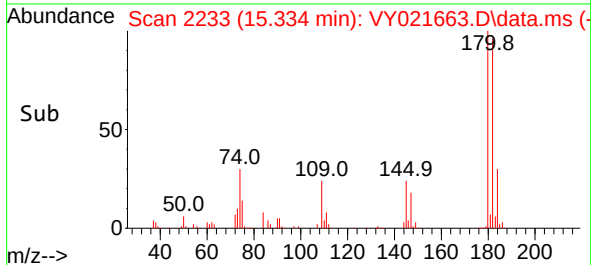
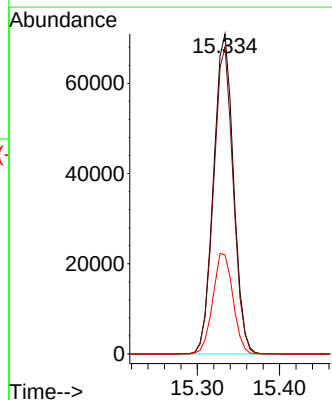
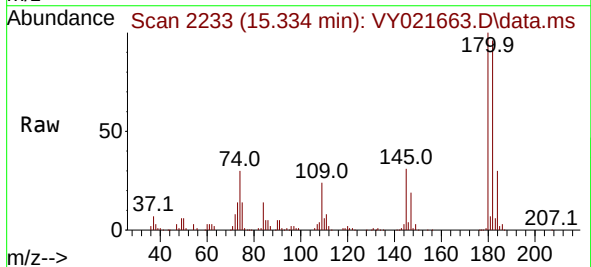
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

Tgt Ion:128 Resp: 237561
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.640 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:180 Resp: 119575
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.5
145 31.7 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021776.D
 Acq On : 04 Apr 2025 09:22
 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: Apr 04 23:38:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	228718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	308777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160179	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	121896	49.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.380%
35) Dibromofluoromethane	7.634	113	115525	51.952	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.900%
50) Toluene-d8	10.109	98	446617	52.794	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.408	95	151449	52.928	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.860%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	105148	44.355	ug/l	99
3) Chloromethane	2.068	50	145939	43.781	ug/l	100
4) Vinyl Chloride	2.202	62	165639	43.939	ug/l	99
5) Bromomethane	2.598	94	110489	42.973	ug/l	94
6) Chloroethane	2.733	64	108599	44.025	ug/l	98
7) Trichlorofluoromethane	3.056	101	219380	45.429	ug/l	99
8) Diethyl Ether	3.452	74	57638	43.889	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	117758	46.234	ug/l	98
10) Methyl Iodide	4.001	142	132756	47.511	ug/l	100
11) Tert butyl alcohol	4.866	59	31915	198.281	ug/l	98
12) 1,1-Dichloroethene	3.787	96	109939	45.826	ug/l	97
13) Acrolein	3.653	56	31766	108.084	ug/l	98
14) Allyl chloride	4.385	41	174528	45.628	ug/l	100
15) Acrylonitrile	5.055	53	120986	220.642	ug/l	99
16) Acetone	3.873	43	104133	205.322	ug/l	98
17) Carbon Disulfide	4.104	76	354255	44.833	ug/l	99
18) Methyl Acetate	4.385	43	59191	47.090	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	275214	46.078	ug/l	99
20) Methylene Chloride	4.610	84	118494	47.558	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	122071	46.214	ug/l	97
22) Diisopropyl ether	6.012	45	384515	47.921	ug/l	95
23) Vinyl Acetate	5.958	43	1073117	228.612	ug/l	99
24) 1,1-Dichloroethane	5.915	63	222969	46.472	ug/l	99
25) 2-Butanone	6.890	43	155279	214.357	ug/l	98
26) 2,2-Dichloropropane	6.884	77	199917	46.842	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	139352	46.913	ug/l	99
28) Bromochloromethane	7.244	49	98842	48.848	ug/l	98
29) Tetrahydrofuran	7.262	42	103430	221.852	ug/l	98
30) Chloroform	7.421	83	231492	46.388	ug/l	94
31) Cyclohexane	7.701	56	196299	44.882	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	209951	46.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169689	50.100	ug/l	99
37) Ethyl Acetate	6.982	43	71529	44.748	ug/l	98
38) Carbon Tetrachloride	7.817	117	192102	49.520	ug/l	98
39) Methylcyclohexane	9.110	83	204403	50.518	ug/l	97
40) Benzene	8.079	78	499841	49.278	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021776.D
 Acq On : 04 Apr 2025 09:22
 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: Apr 04 23:38:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36866	43.428	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	137468	48.074	ug/l	100
43) Isopropyl Acetate	8.195	43	140563	46.402	ug/l	99
44) Trichloroethene	8.866	130	128424	49.692	ug/l	99
45) 1,2-Dichloropropane	9.140	63	118428	49.325	ug/l	98
46) Dibromomethane	9.231	93	66580	48.116	ug/l	97
47) Bromodichloromethane	9.420	83	175976	49.080	ug/l	97
48) Methyl methacrylate	9.219	41	67680	48.681	ug/l	98
49) 1,4-Dioxane	9.231	88	13592	916.931	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	380500	241.372	ug/l	99
52) Toluene	10.170	92	321091	50.737	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	156628	49.181	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	184020	48.979	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	86585	48.624	ug/l	99
56) Ethyl methacrylate	10.439	69	116496	51.235	ug/l	97
57) 1,3-Dichloropropane	10.719	76	151785	49.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	293090	264.232	ug/l	100
59) 2-Hexanone	10.762	43	255713	243.569	ug/l	100
60) Dibromochloromethane	10.914	129	123226	50.684	ug/l	100
61) 1,2-Dibromoethane	11.018	107	82662	49.485	ug/l	99
64) Tetrachloroethene	10.646	164	139676	49.667	ug/l	99
65) Chlorobenzene	11.444	112	343523	48.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	124267	49.482	ug/l	99
67) Ethyl Benzene	11.518	91	615700	50.727	ug/l	99
68) m/p-Xylenes	11.627	106	470149	101.155	ug/l	100
69) o-Xylene	11.957	106	217467	50.688	ug/l	99
70) Styrene	11.969	104	371495	51.933	ug/l	99
71) Bromoform	12.133	173	70273	49.056	ug/l #	99
73) Isopropylbenzene	12.255	105	584770	49.152	ug/l	100
74) N-amyl acetate	12.072	43	128883	46.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	94598	44.226	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	133217	83.901	ug/l #	100
77) Bromobenzene	12.536	156	135583	47.465	ug/l	98
78) n-propylbenzene	12.597	91	712013	49.780	ug/l	100
79) 2-Chlorotoluene	12.682	91	403179	48.532	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	480341	49.401	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30582	44.380	ug/l	95
82) 4-Chlorotoluene	12.780	91	420225	48.519	ug/l	100
83) tert-Butylbenzene	12.999	119	422284	48.759	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	480654	50.015	ug/l	100
85) sec-Butylbenzene	13.176	105	628096	49.626	ug/l	100
86) p-Isopropyltoluene	13.292	119	527940	50.469	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	269775	47.936	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	264990	47.658	ug/l	99
89) n-Butylbenzene	13.621	91	487055	50.346	ug/l	100
90) Hexachloroethane	13.883	117	110054	48.010	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	236937	48.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14822	44.709	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	131155	49.367	ug/l	99
94) Hexachlorobutadiene	15.023	225	80970	48.800	ug/l	99
95) Naphthalene	15.145	128	214835	48.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	112664	49.730	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

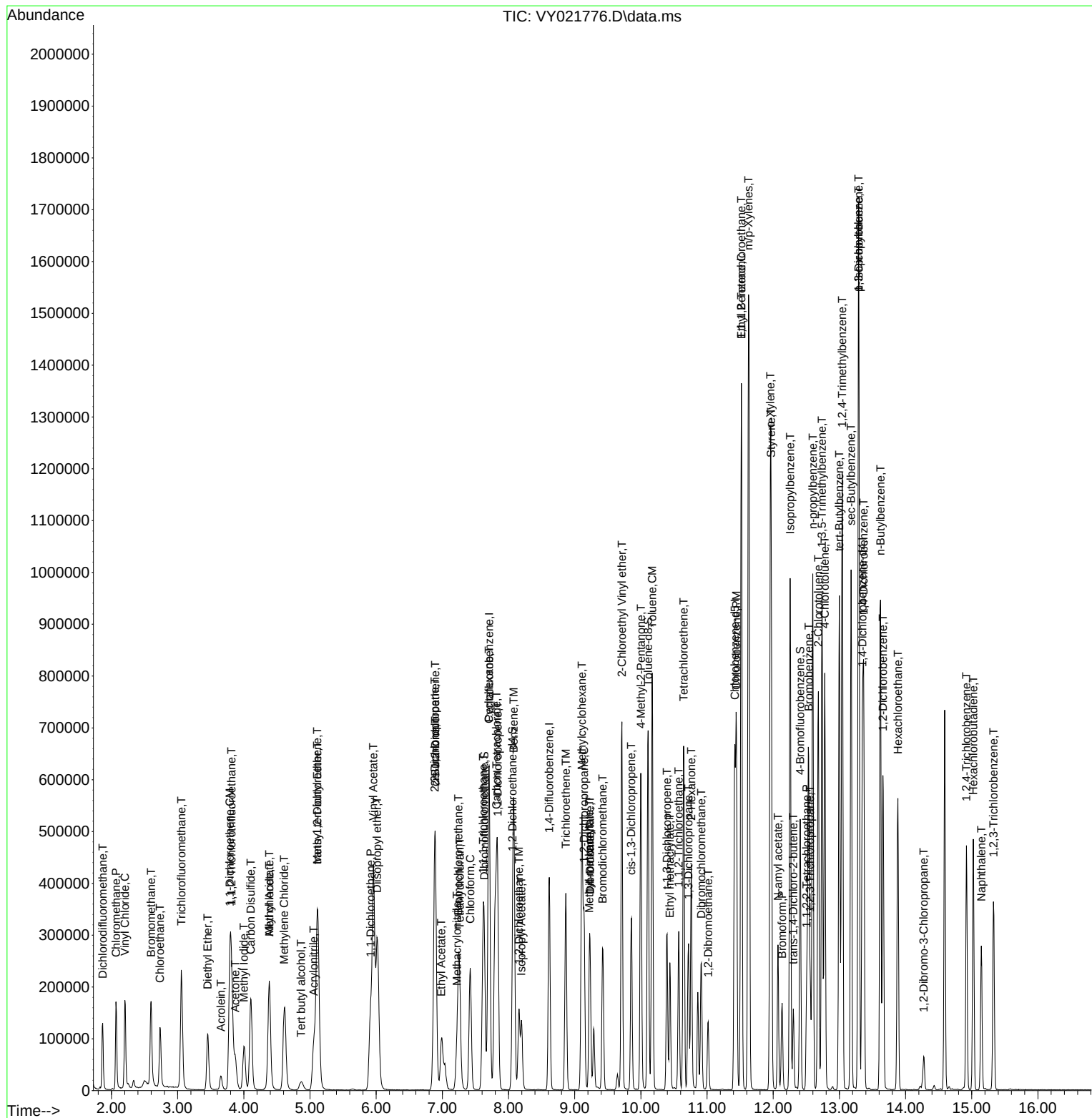
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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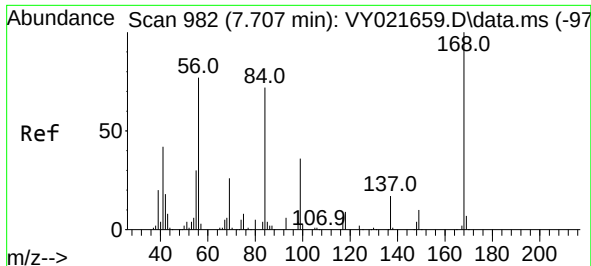
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

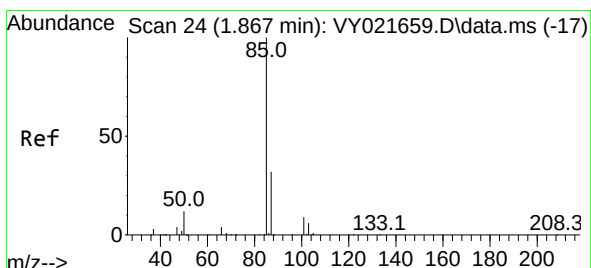
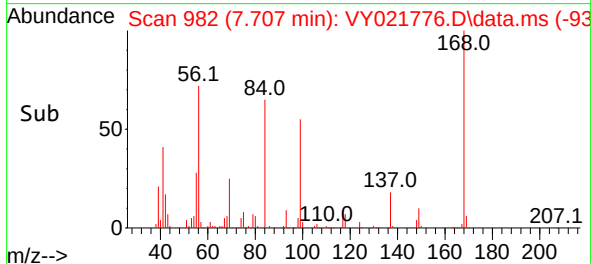
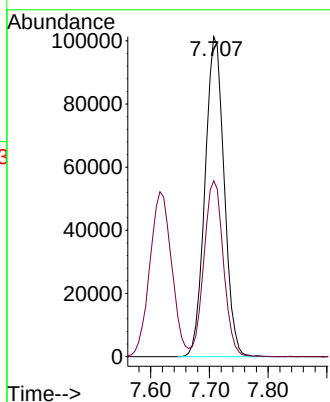
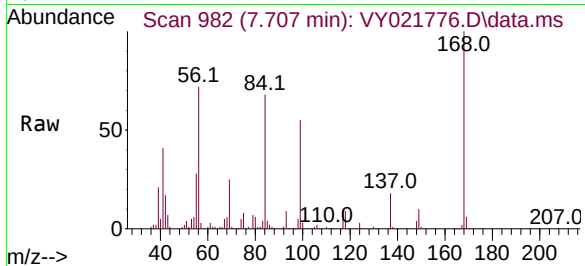




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

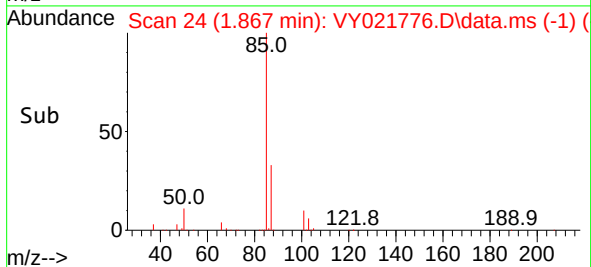
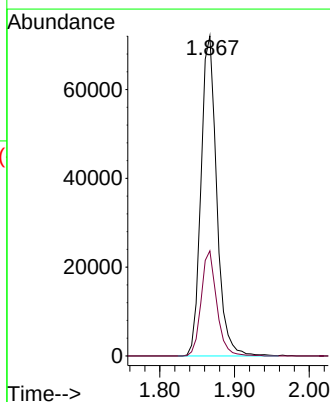
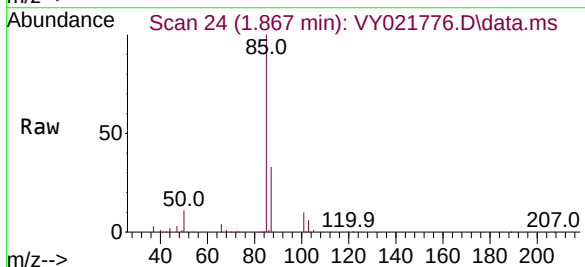
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

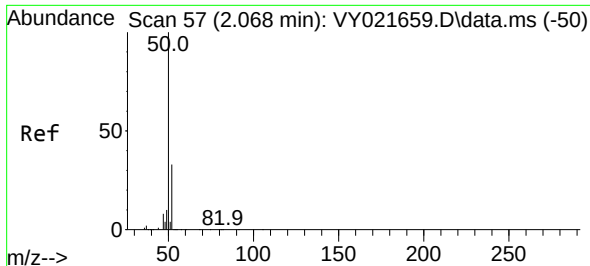
Tgt Ion:168 Resp: 228718
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 44.355 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 85 Resp: 105148
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6

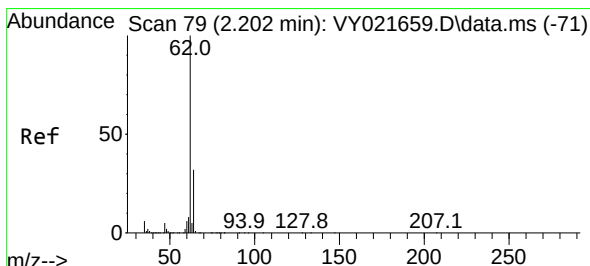
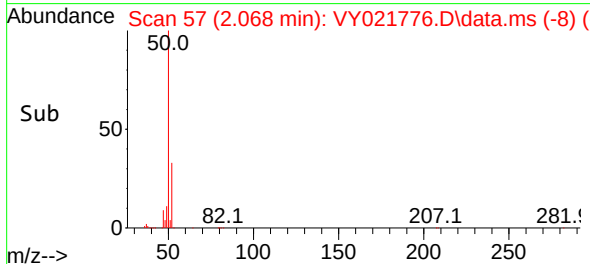
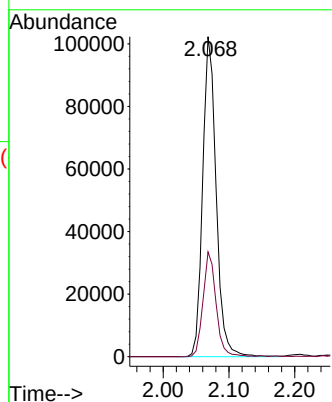
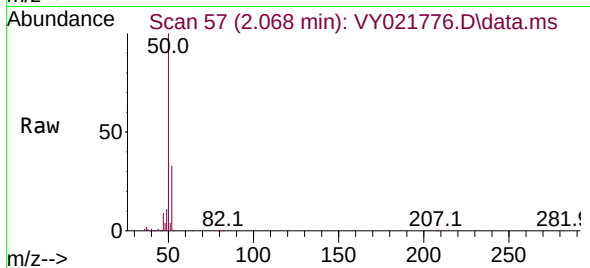




#3
Chloromethane
Concen: 43.781 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

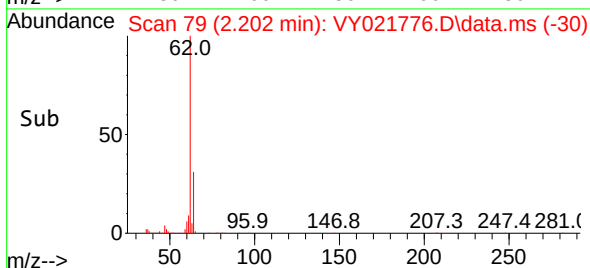
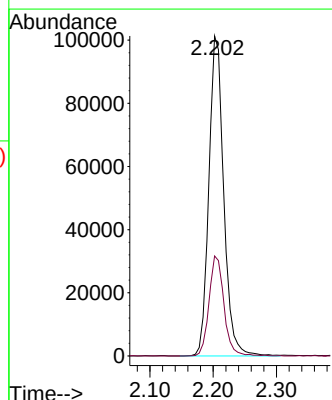
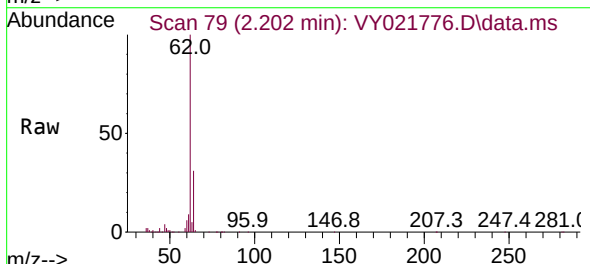
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

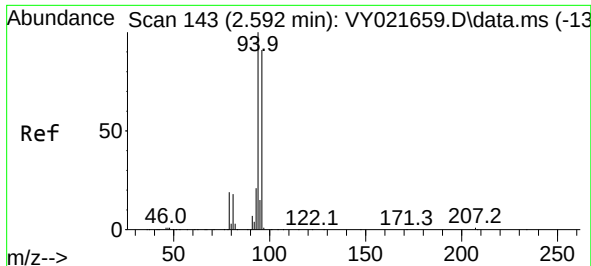
Tgt Ion: 50 Resp: 145939
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5



#4
Vinyl Chloride
Concen: 43.939 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 62 Resp: 165639
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3

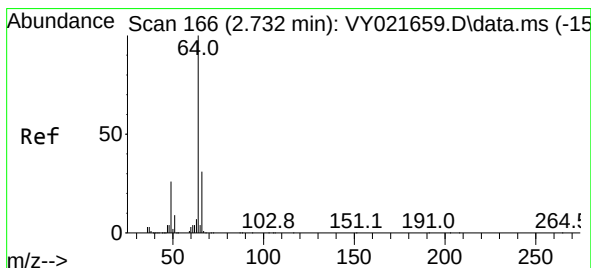
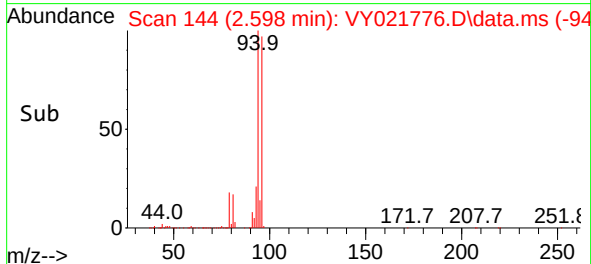
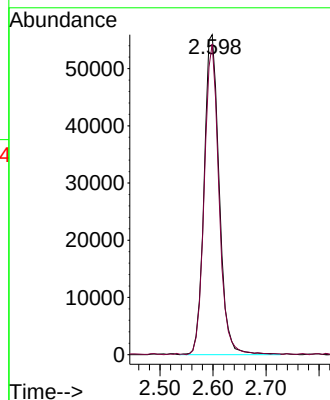
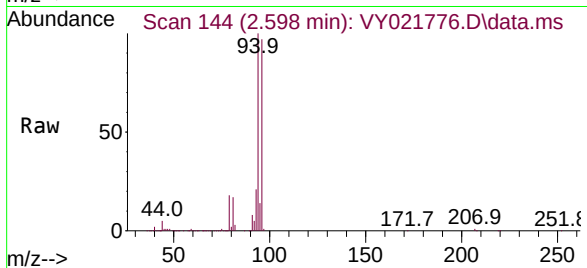




#5
Bromomethane
Concen: 42.973 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

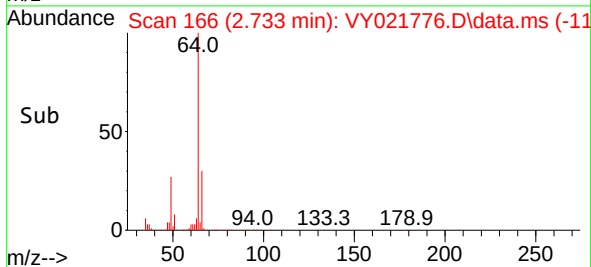
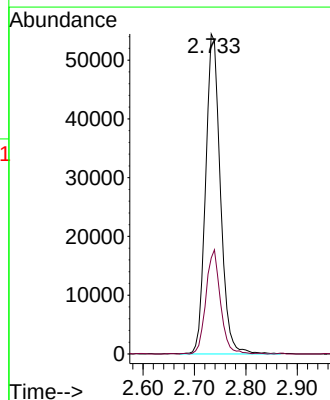
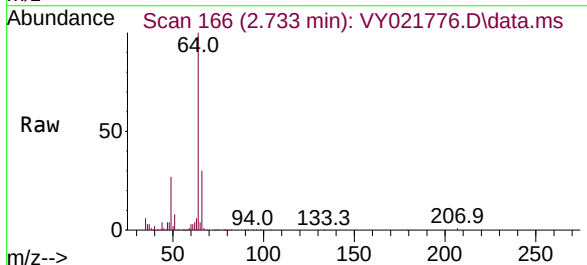
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

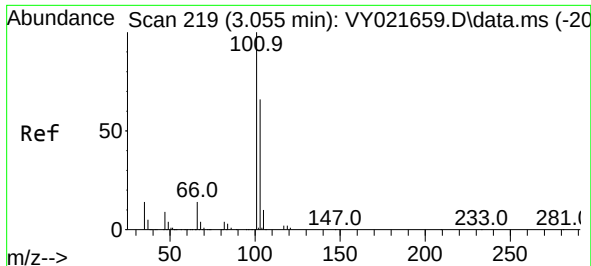
Tgt Ion: 94 Resp: 110489
Ion Ratio Lower Upper
94 100
96 97.0 72.8 109.2



#6
Chloroethane
Concen: 44.025 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 64 Resp: 108599
Ion Ratio Lower Upper
64 100
66 29.9 24.9 37.3

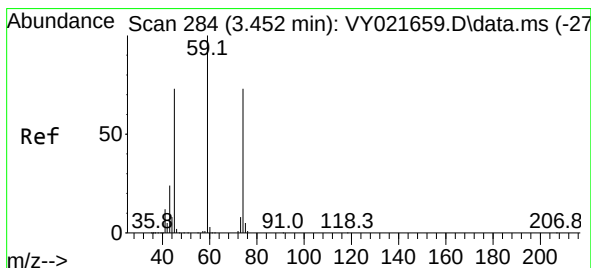
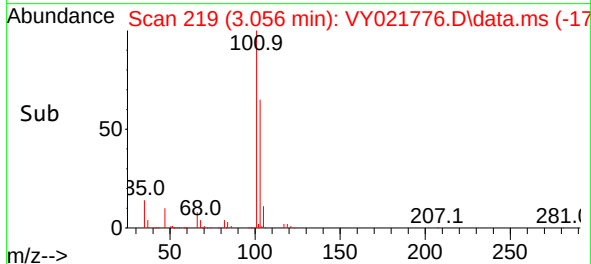
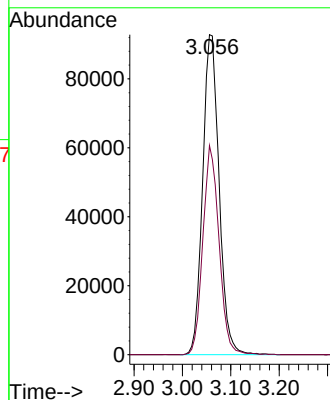
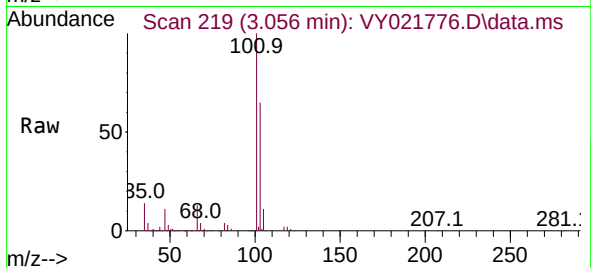




#7
Trichlorofluoromethane
Concen: 45.429 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

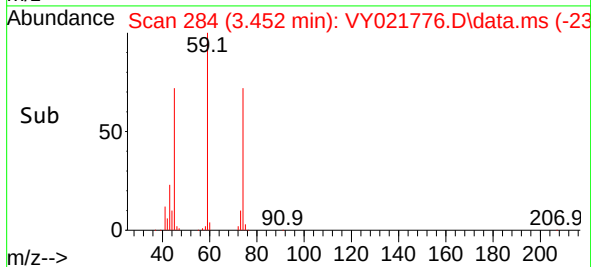
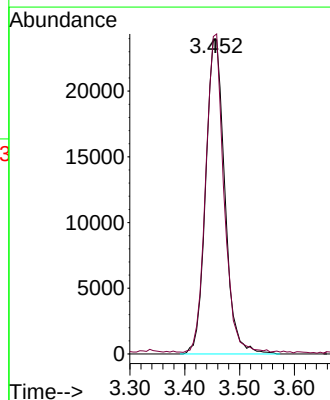
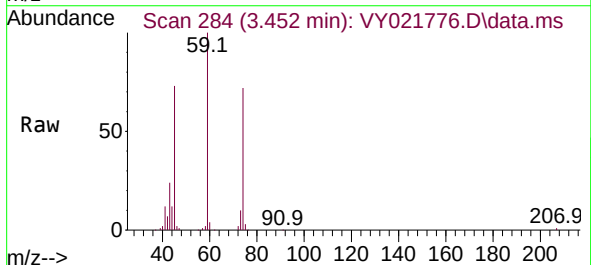
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

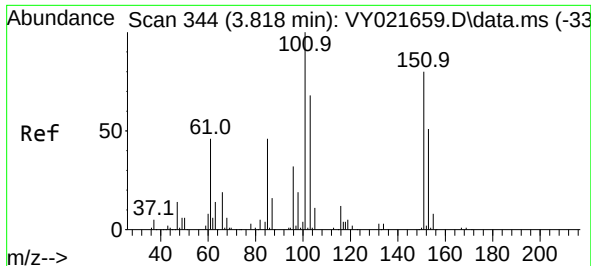
Tgt Ion:101 Resp: 219380
Ion Ratio Lower Upper
101 100
103 65.4 53.1 79.7



#8
Diethyl Ether
Concen: 43.889 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 74 Resp: 57638
Ion Ratio Lower Upper
74 100
45 96.7 48.6 145.8

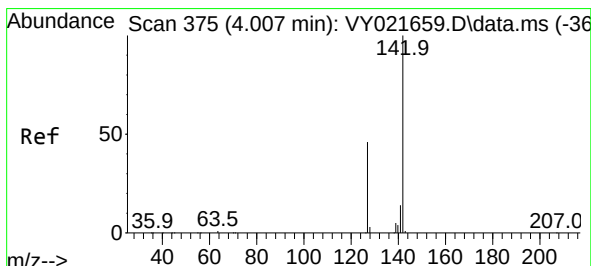
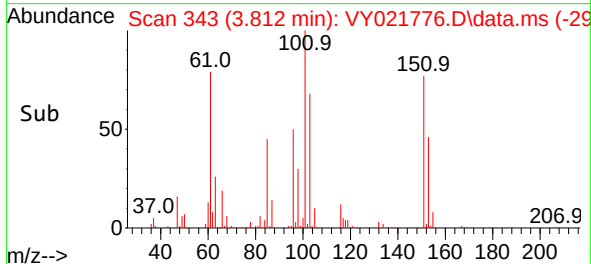
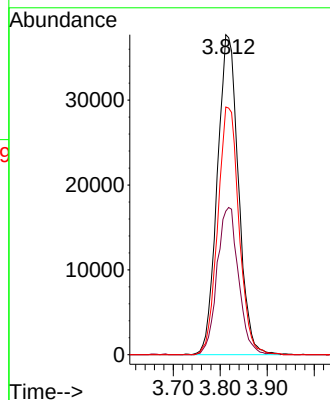
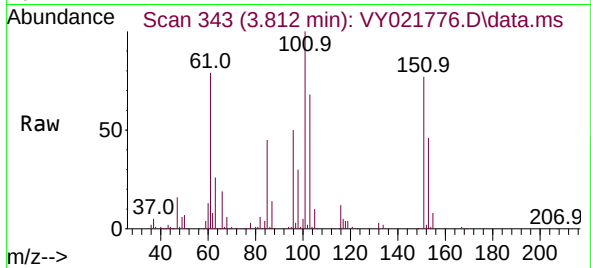




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.234 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

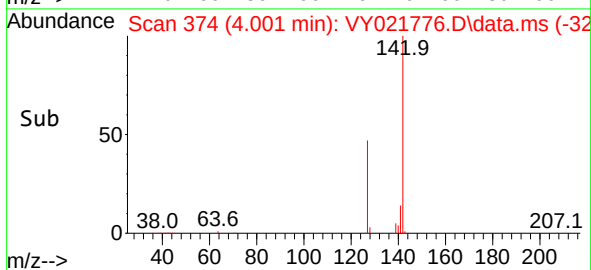
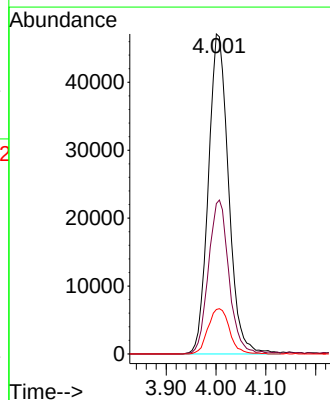
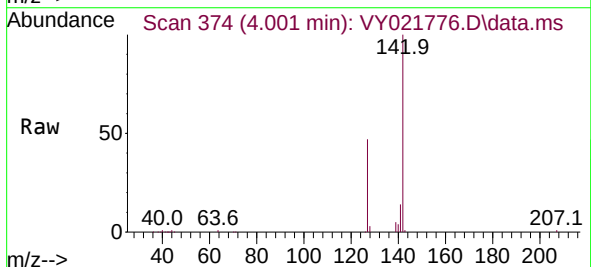
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

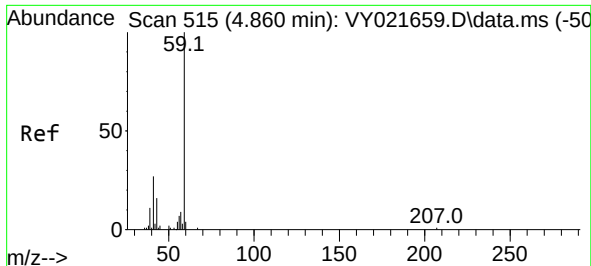
Tgt Ion:101 Resp: 117758
Ion Ratio Lower Upper
101 100
85 46.8 36.3 54.5
151 77.8 61.3 91.9



#10
Methyl Iodide
Concen: 47.511 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:142 Resp: 132756
Ion Ratio Lower Upper
142 100
127 48.5 38.7 58.1
141 15.0 11.5 17.3

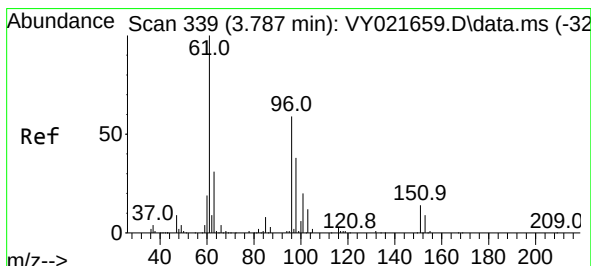
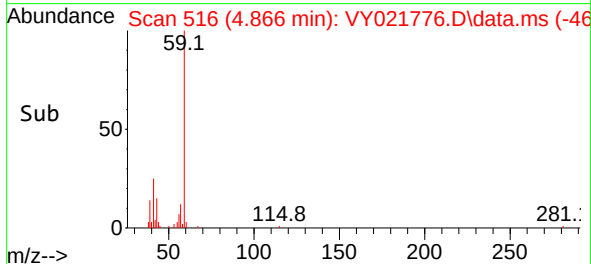
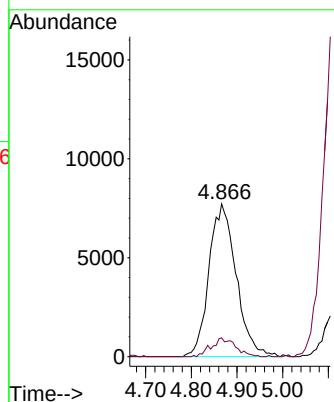
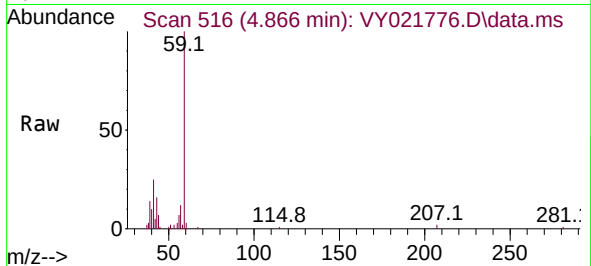




#11
Tert butyl alcohol
Concen: 198.281 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

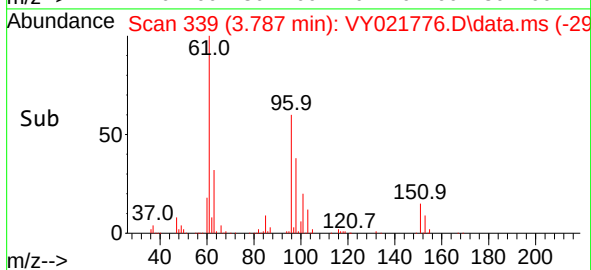
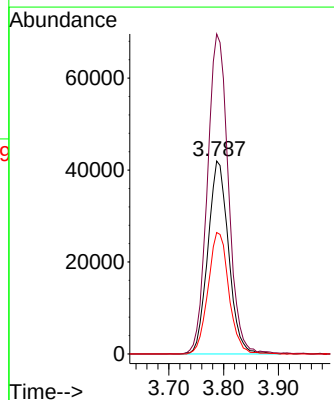
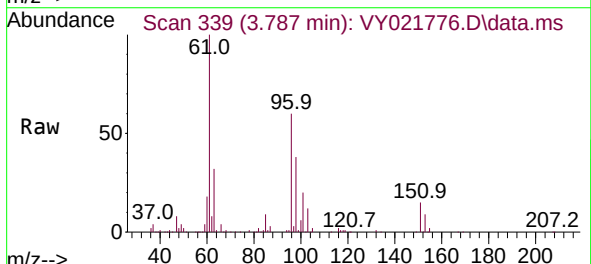
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

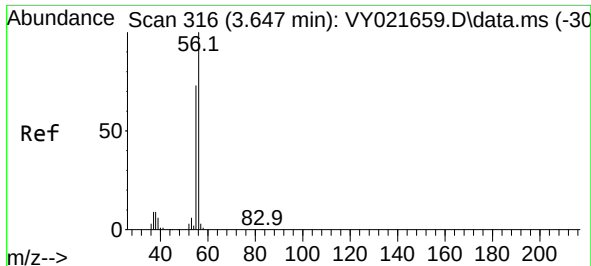
Tgt Ion: 59 Resp: 31915
Ion Ratio Lower Upper
59 100
57 10.9 9.2 13.8



#12
1,1-Dichloroethene
Concen: 45.826 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 96 Resp: 109939
Ion Ratio Lower Upper
96 100
61 165.9 136.6 204.8
98 63.0 52.3 78.5

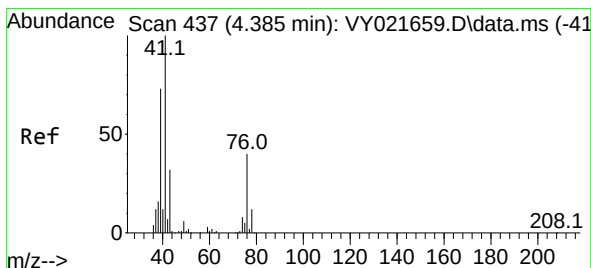
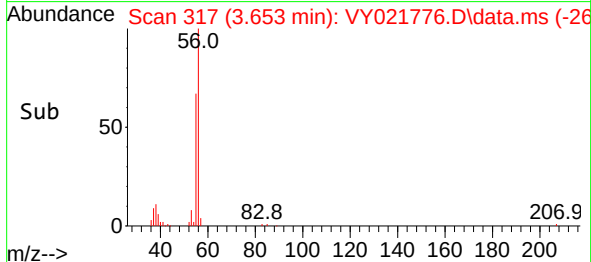
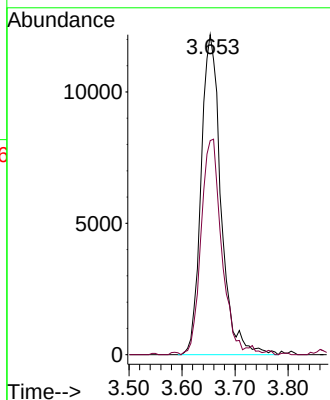
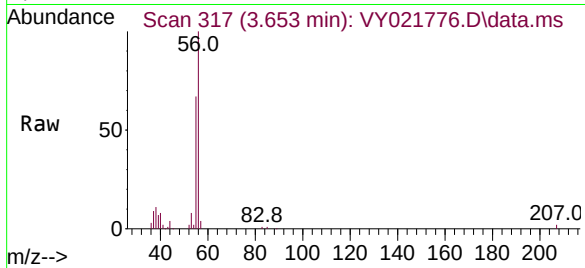




#13
Acrolein
Concen: 108.084 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

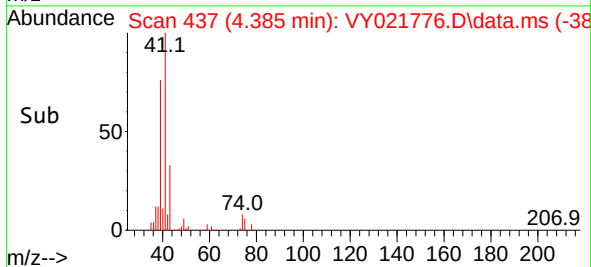
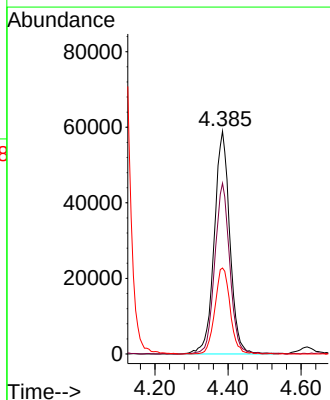
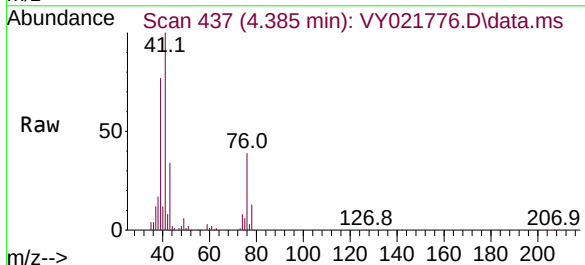
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

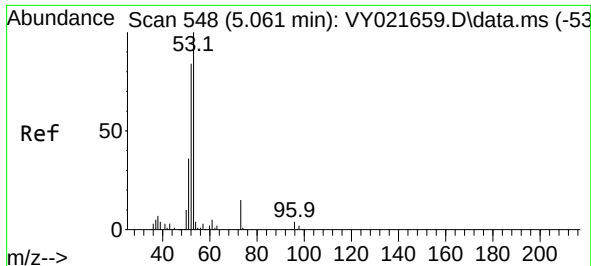
Tgt Ion: 56 Resp: 31766
Ion Ratio Lower Upper
56 100
55 69.4 56.6 85.0



#14
Allyl chloride
Concen: 45.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 174528
Ion Ratio Lower Upper
41 100
39 73.5 58.6 88.0
76 37.8 30.3 45.5

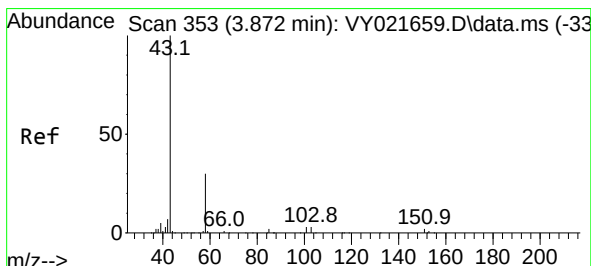
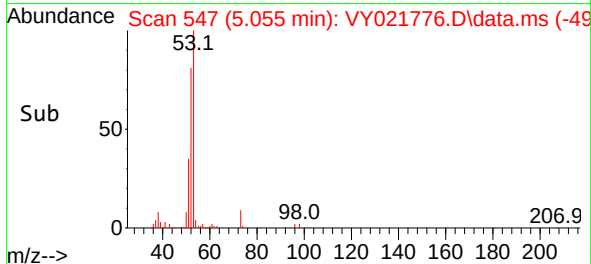
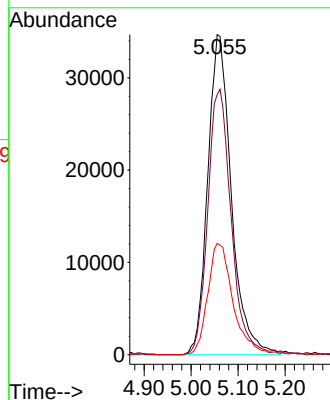
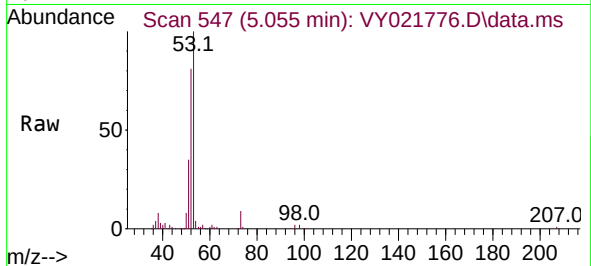




#15
Acrylonitrile
Concen: 220.642 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

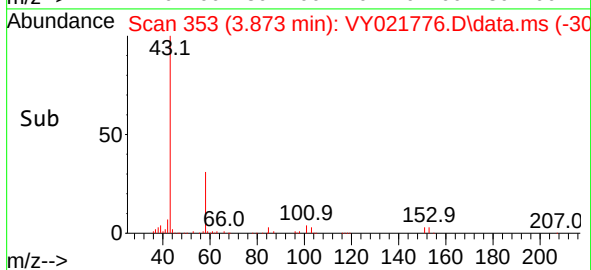
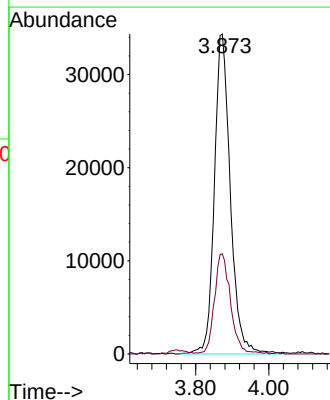
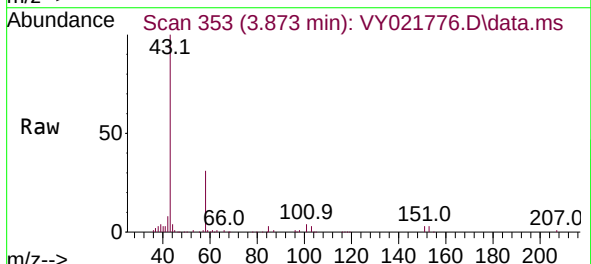
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

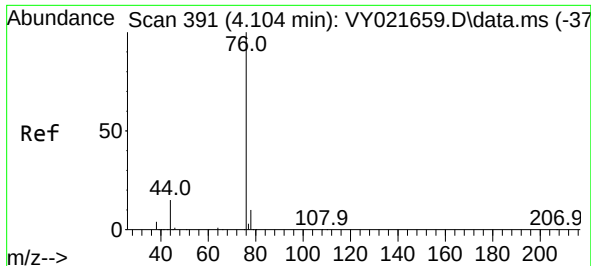
Tgt Ion: 53 Resp: 120986
Ion Ratio Lower Upper
53 100
52 82.7 64.9 97.3
51 37.4 30.2 45.2



#16
Acetone
Concen: 205.322 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 104133
Ion Ratio Lower Upper
43 100
58 31.3 24.2 36.4

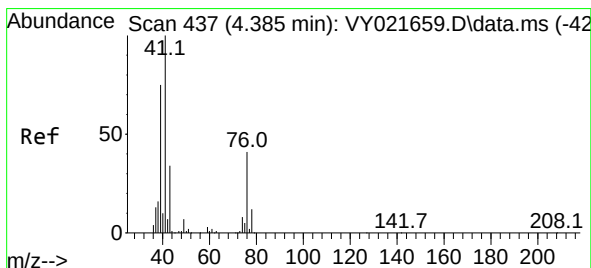
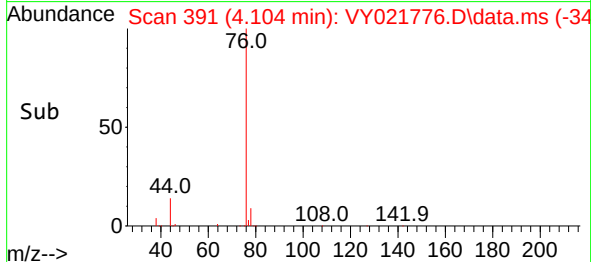
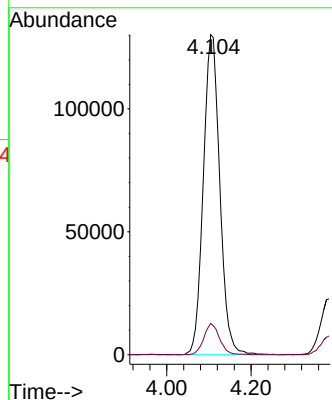
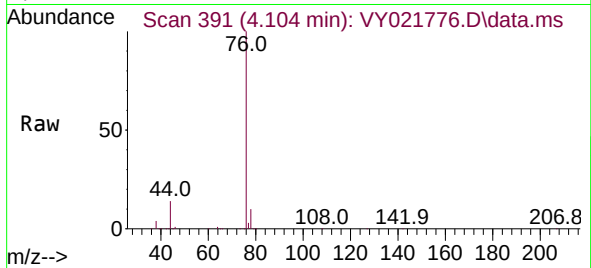




#17
Carbon Disulfide
Concen: 44.833 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

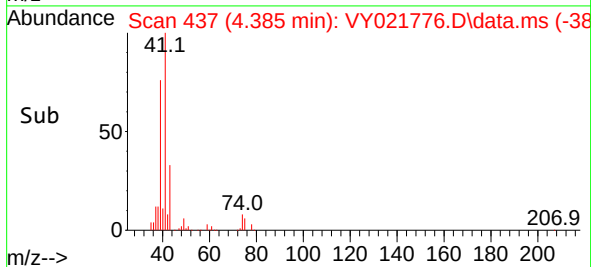
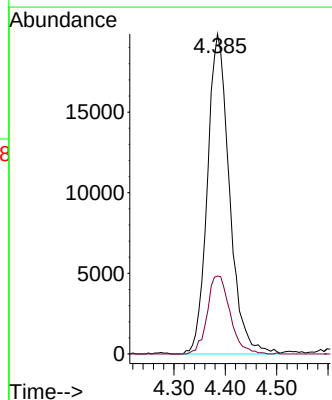
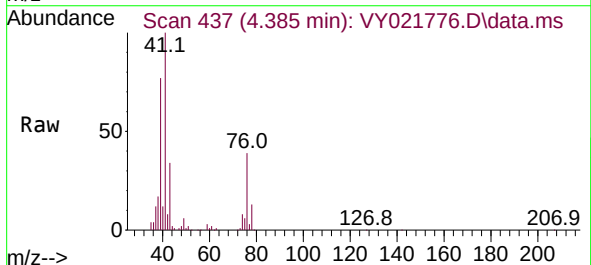
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

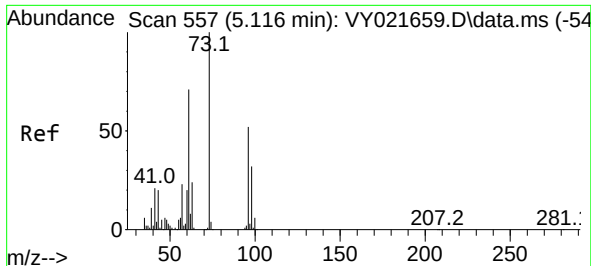
Tgt Ion: 76 Resp: 354255
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#18
Methyl Acetate
Concen: 47.090 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 59191
Ion Ratio Lower Upper
43 100
74 25.2 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 46.078 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

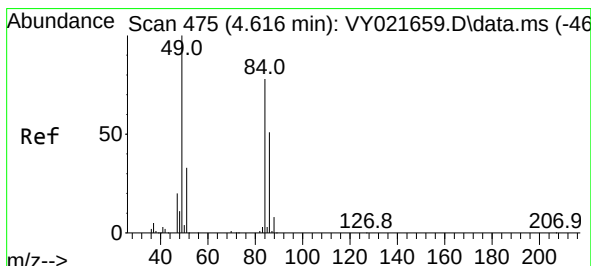
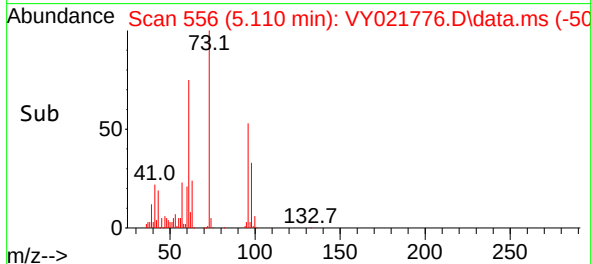
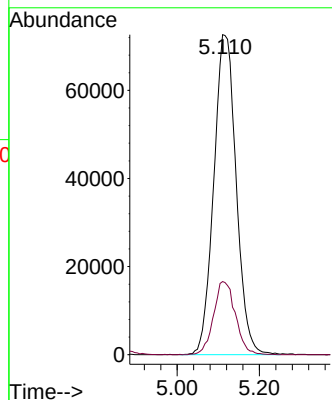
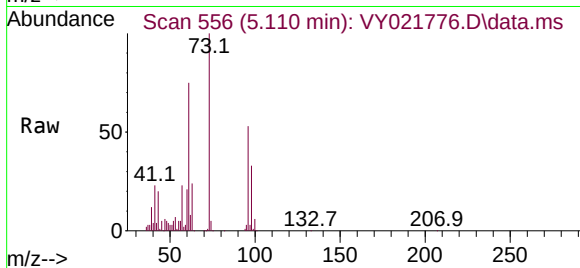
VSTDCCC050

Tgt Ion: 73 Resp: 275214

Ion Ratio Lower Upper

73 100

57 22.9 18.1 27.1



#20

Methylene Chloride

Concen: 47.558 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion: 84 Resp: 118494

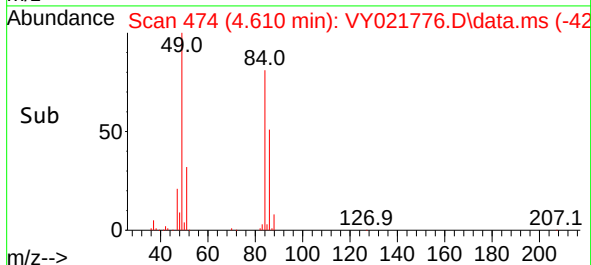
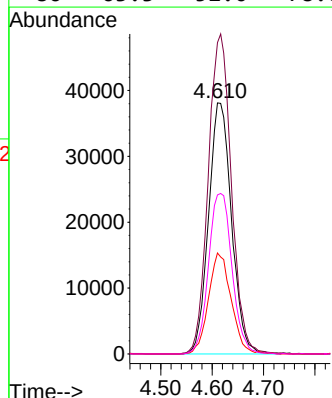
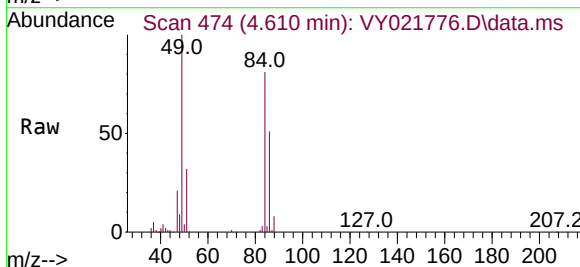
Ion Ratio Lower Upper

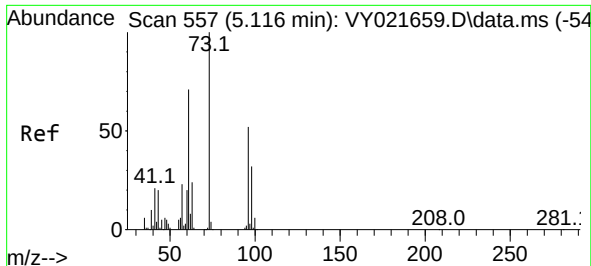
84 100

49 124.0 102.8 154.2

51 40.2 33.5 50.3

86 63.3 52.0 78.0

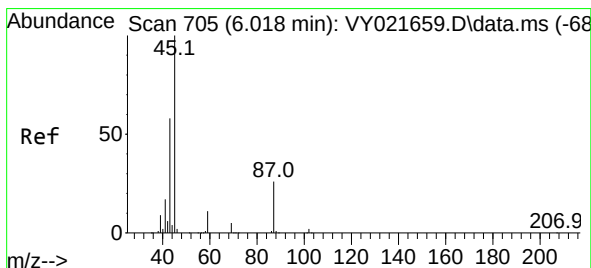
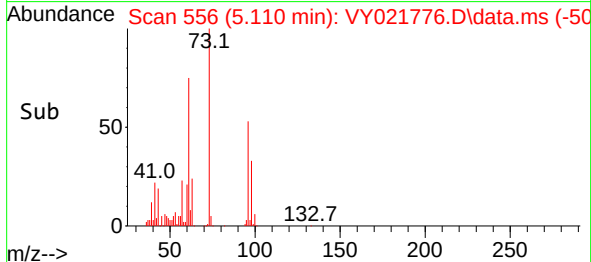
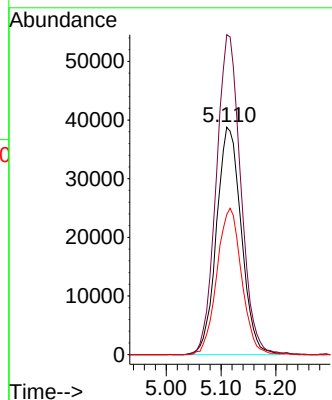
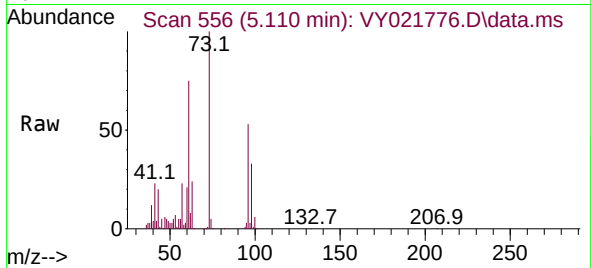




#21
trans-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

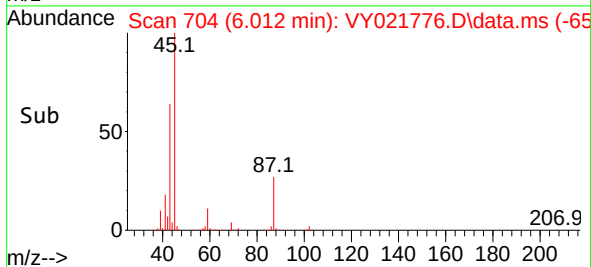
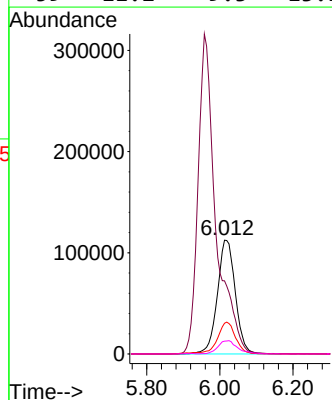
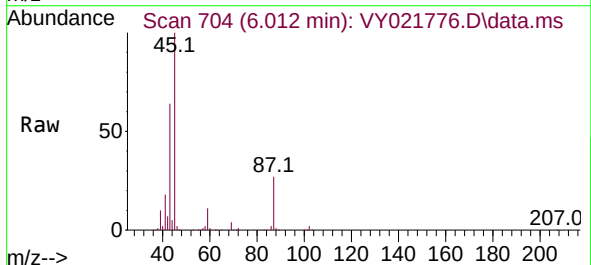
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

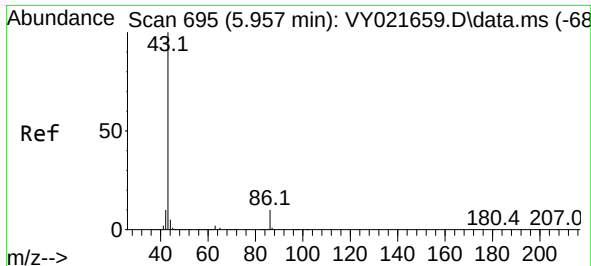
Tgt Ion: 96 Resp: 122071
Ion Ratio Lower Upper
96 100
61 140.7 109.4 164.0
98 61.6 50.2 75.2



#22
Diisopropyl ether
Concen: 47.921 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 45 Resp: 384515
Ion Ratio Lower Upper
45 100
43 64.0 46.6 69.8
87 27.0 20.7 31.1
59 11.2 9.3 13.9

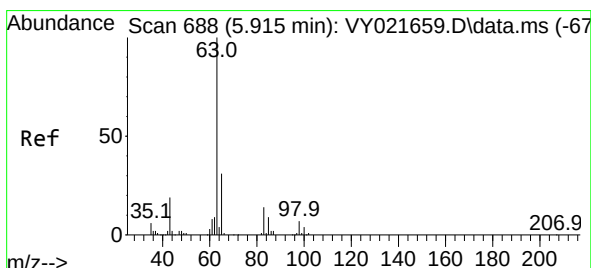
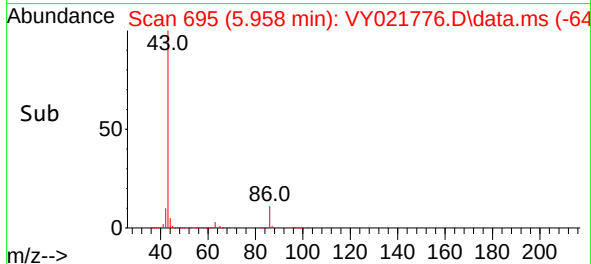
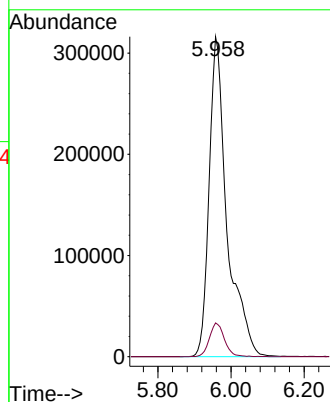
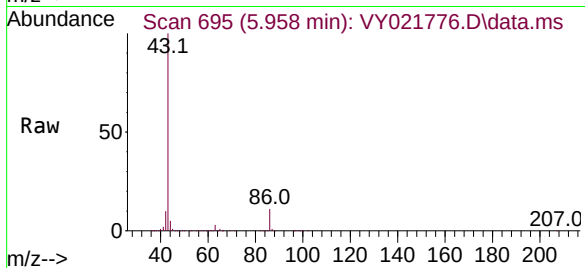




#23
 Vinyl Acetate
 Concen: 228.612 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021776.D
 Acq: 04 Apr 2025 09:22

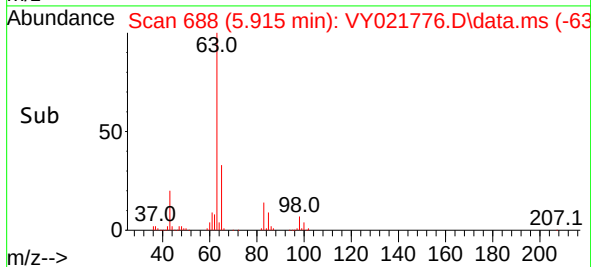
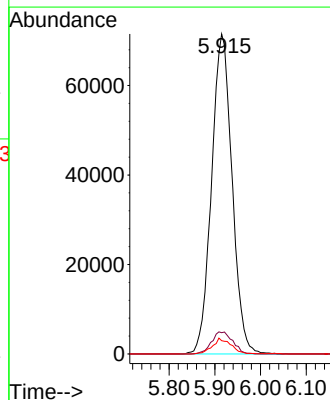
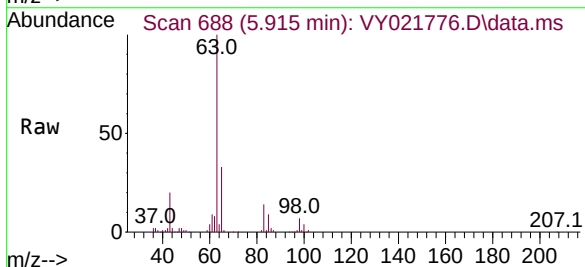
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

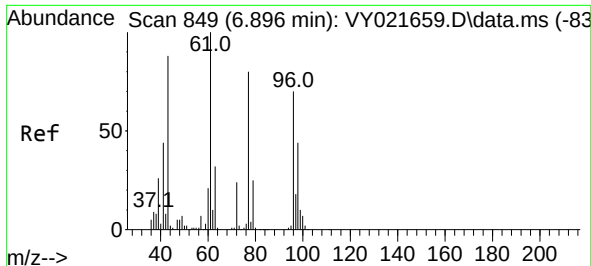
Tgt Ion: 43 Resp: 1073117
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 46.472 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021776.D
 Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 222969
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.5
 100 4.1 2.2 6.6

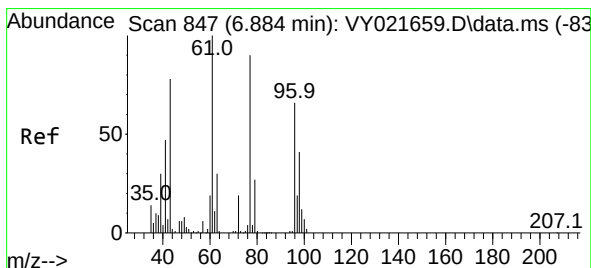
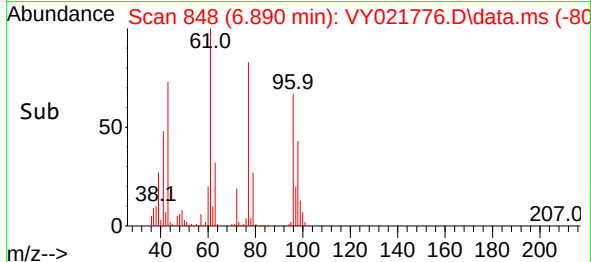
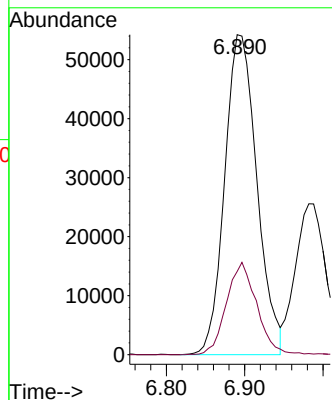
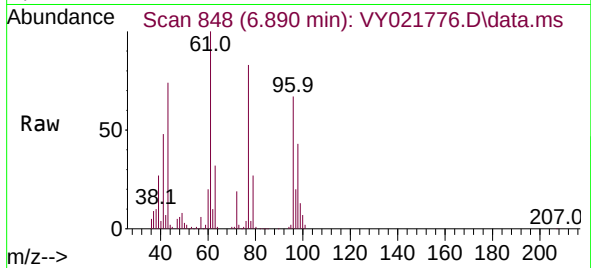




#25
2-Butanone
Concen: 214.357 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

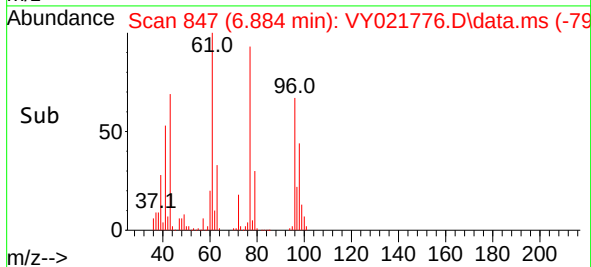
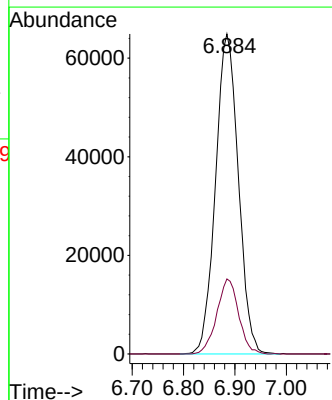
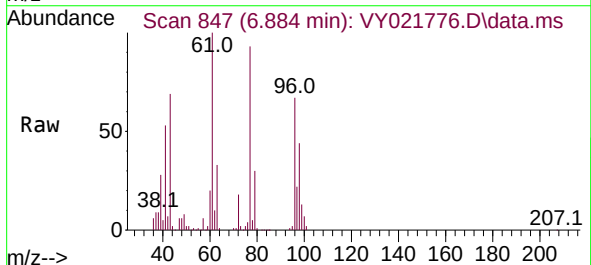
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

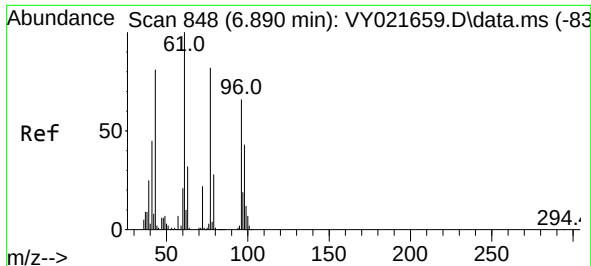
Tgt Ion: 43 Resp: 155279
Ion Ratio Lower Upper
43 100
72 26.0 21.4 32.2



#26
2,2-Dichloropropane
Concen: 46.842 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 77 Resp: 199917
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 46.913 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

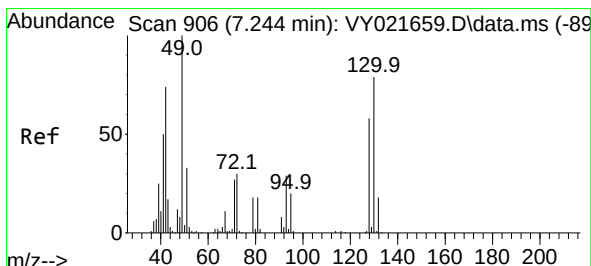
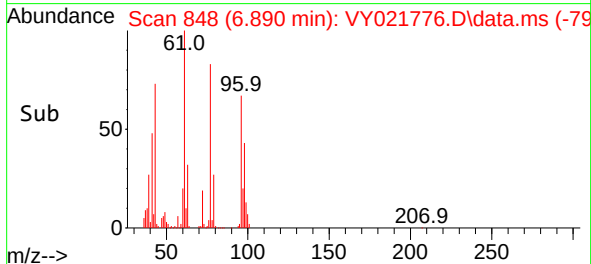
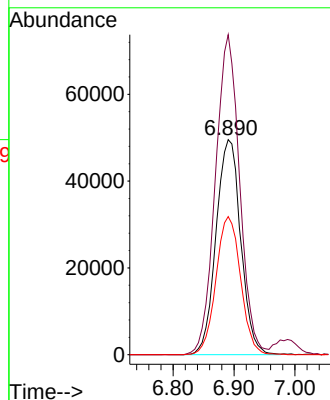
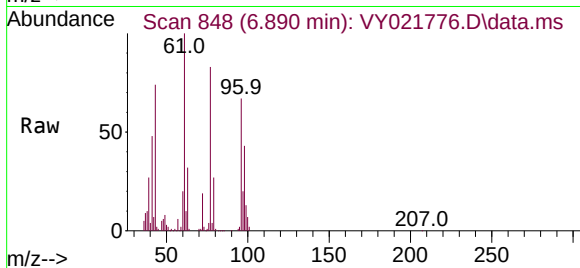
Tgt Ion: 96 Resp: 139352

Ion Ratio Lower Upper

96 100

61 146.2 0.0 296.4

98 64.1 0.0 128.0



#28

Bromochloromethane

Concen: 48.848 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

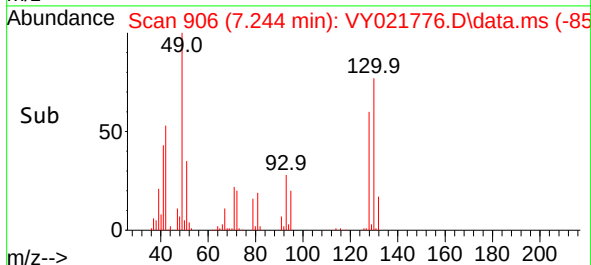
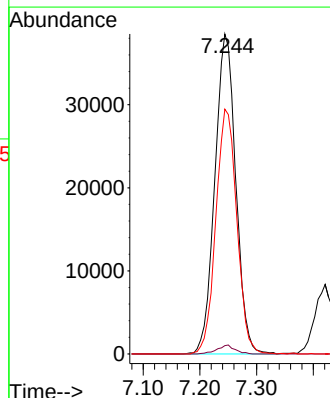
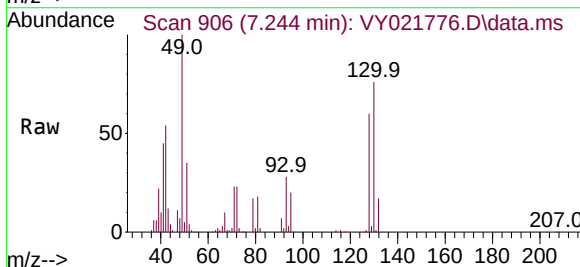
Tgt Ion: 49 Resp: 98842

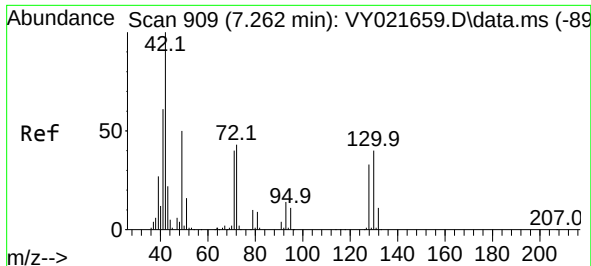
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

130 76.6 60.1 90.1





#29

Tetrahydrofuran

Concen: 221.852 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

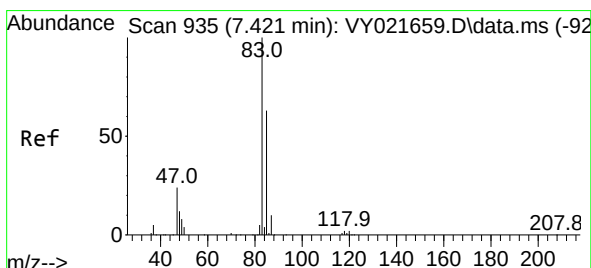
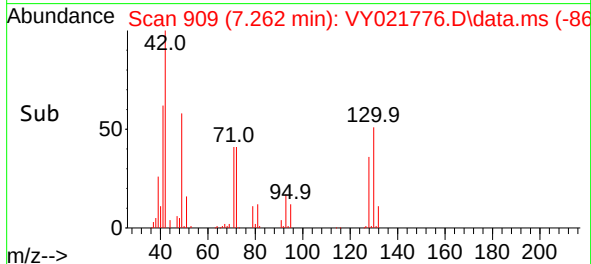
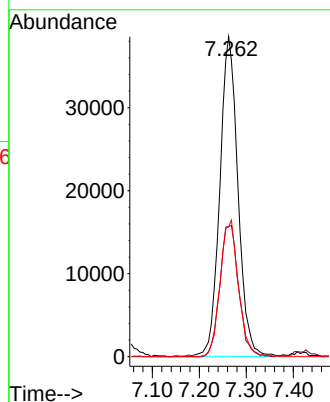
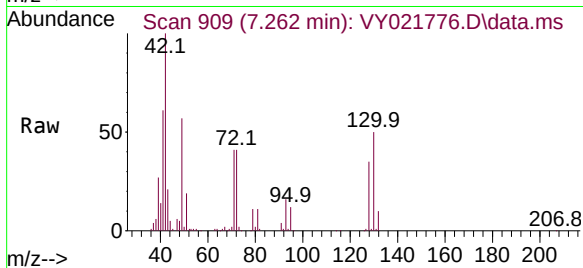
Tgt Ion: 42 Resp: 103430

Ion Ratio Lower Upper

42 100

72 42.7 34.6 52.0

71 42.9 32.5 48.7



#30

Chloroform

Concen: 46.388 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021776.D

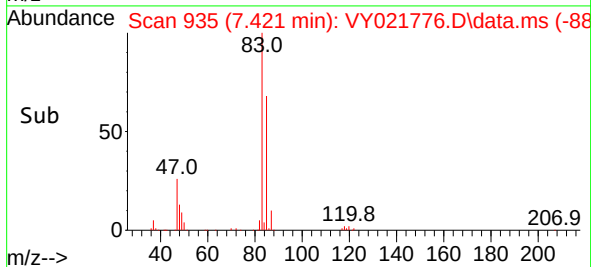
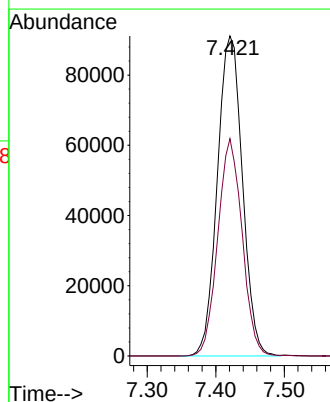
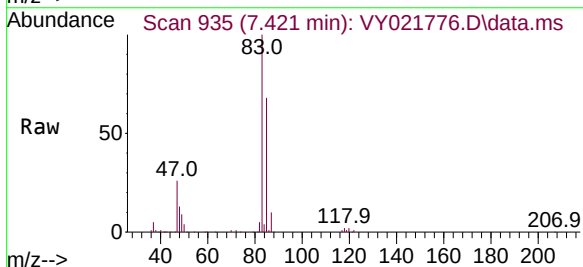
Acq: 04 Apr 2025 09:22

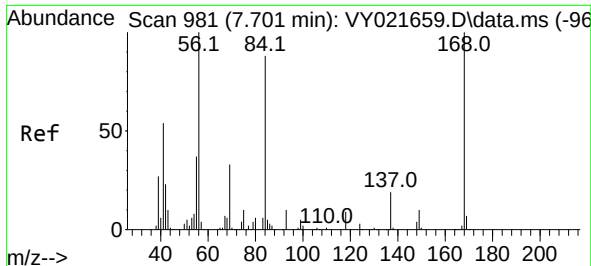
Tgt Ion: 83 Resp: 231492

Ion Ratio Lower Upper

83 100

85 67.9 50.6 75.8

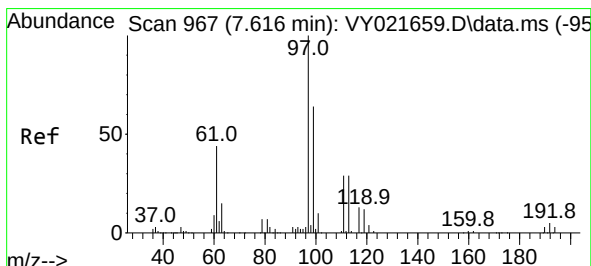
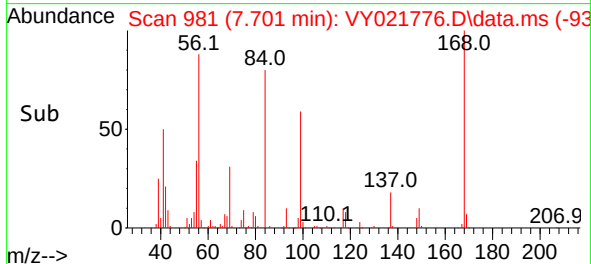
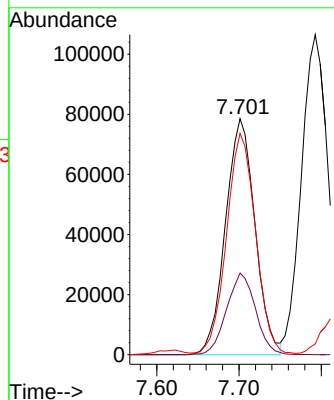
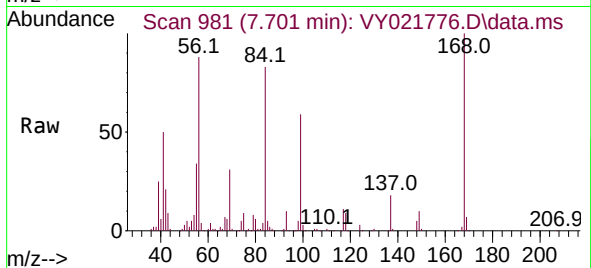




#31
Cyclohexane
Concen: 44.882 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

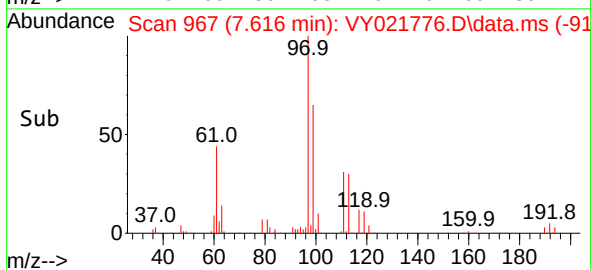
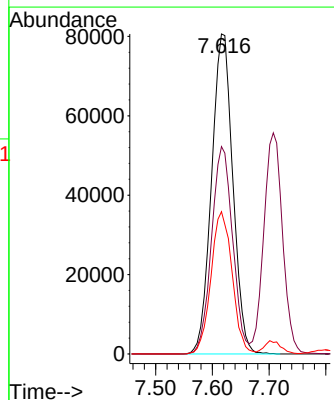
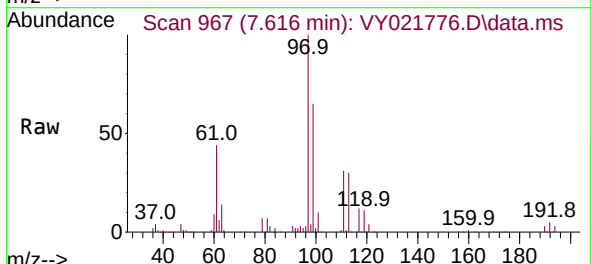
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

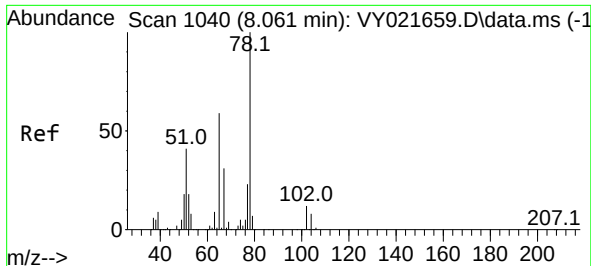
Tgt Ion:	56	Resp:	196299
Ion Ratio	Lower	Upper	
56	100		
69	34.6	26.6	40.0
84	92.3	69.0	103.4



#32
1,1,1-Trichloroethane
Concen: 46.549 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:	97	Resp:	209951
Ion Ratio	Lower	Upper	
97	100		
99	64.5	50.7	76.1
61	44.3	35.2	52.8

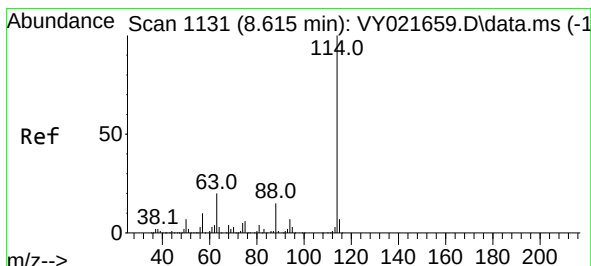
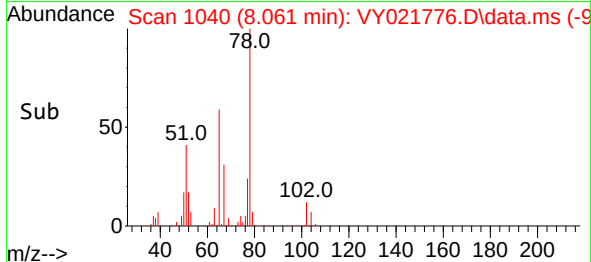
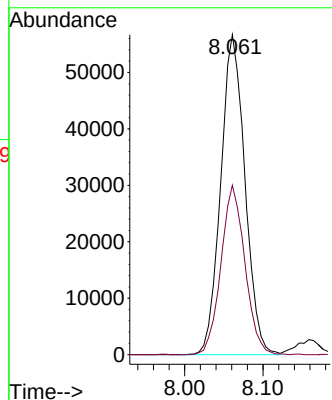
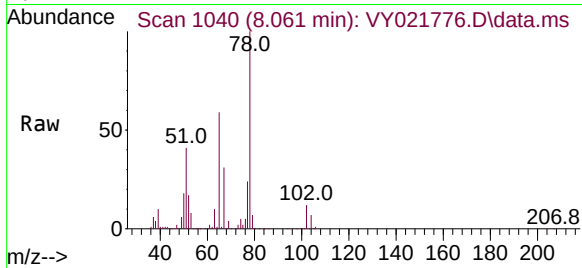




#33
 1,2-Dichloroethane-d4
 Concen: 49.189 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021776.D
 Acq: 04 Apr 2025 09:22

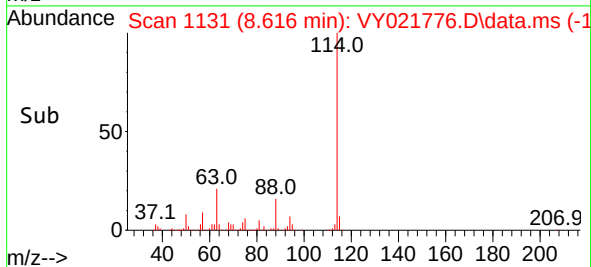
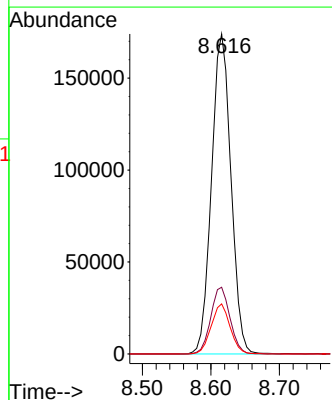
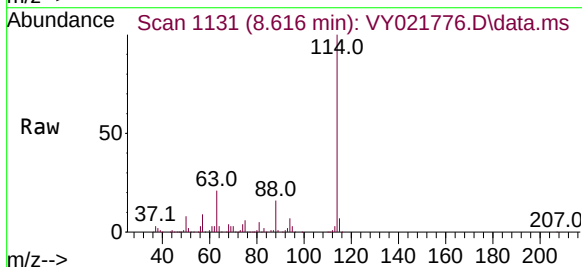
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

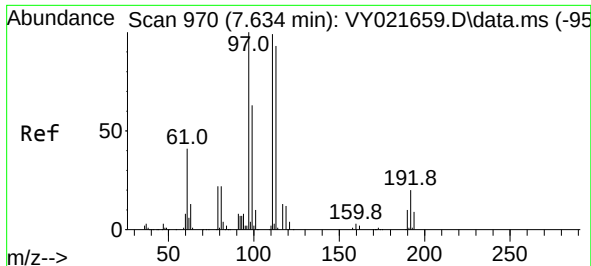
Tgt Ion: 65 Resp: 121896
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021776.D
 Acq: 04 Apr 2025 09:22

Tgt Ion: 114 Resp: 342799
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.2
 88 15.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.952 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

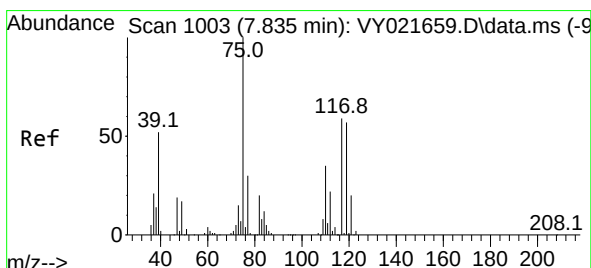
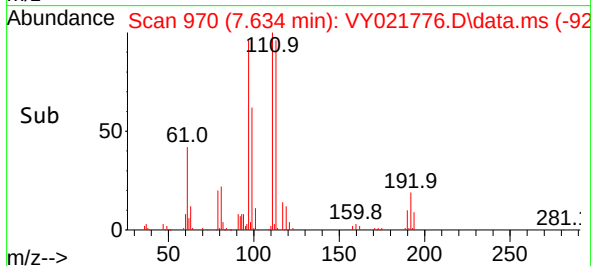
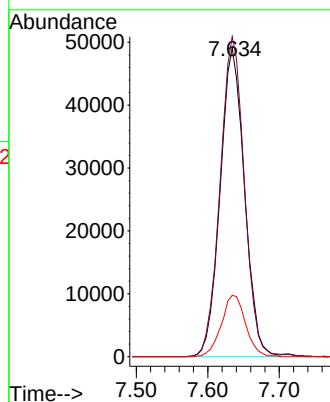
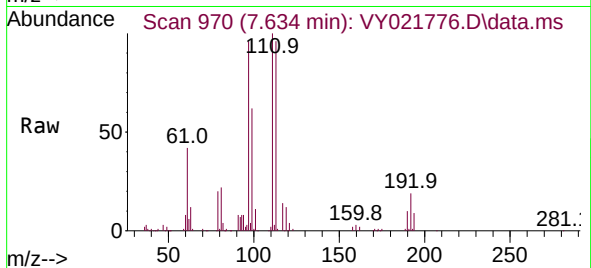
Tgt Ion:113 Resp: 115525

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 19.9 16.2 24.4



#36

1,1-Dichloropropene

Concen: 50.100 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

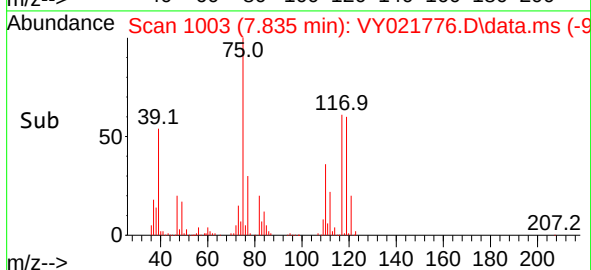
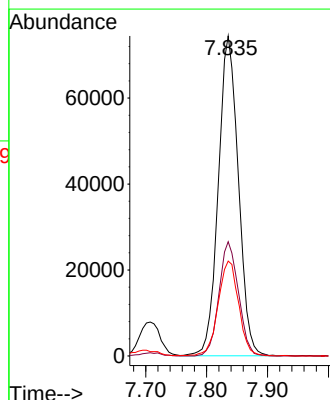
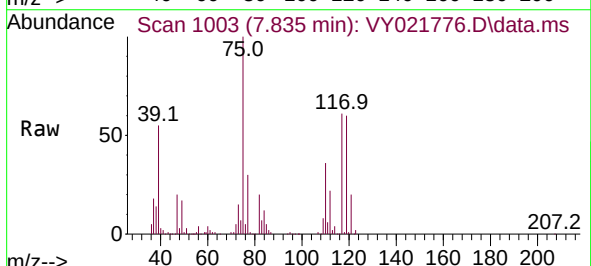
Tgt Ion: 75 Resp: 169689

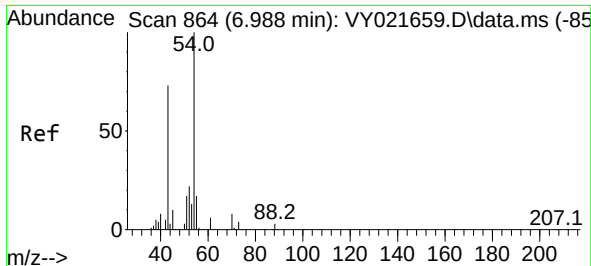
Ion Ratio Lower Upper

75 100

110 34.7 17.0 50.9

77 30.4 24.8 37.2





#37

Ethyl Acetate

Concen: 44.748 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

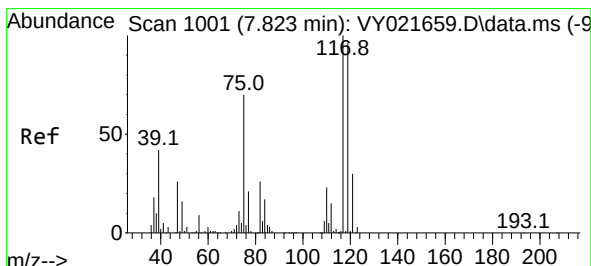
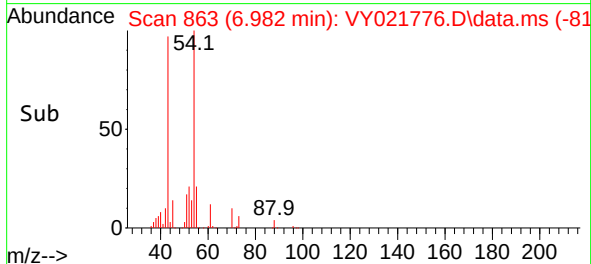
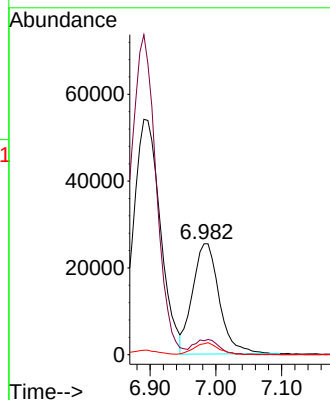
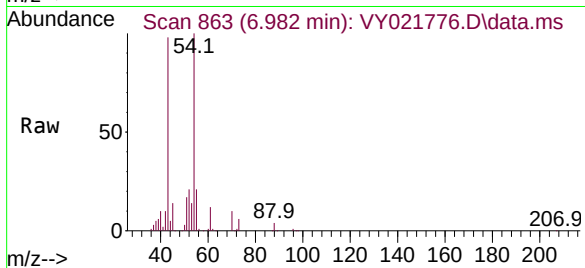
Tgt Ion: 43 Resp: 71529

Ion Ratio Lower Upper

43 100

61 12.2 11.0 16.6

70 10.1 8.1 12.1



#38

Carbon Tetrachloride

Concen: 49.520 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

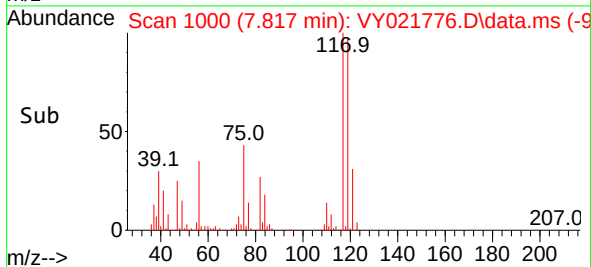
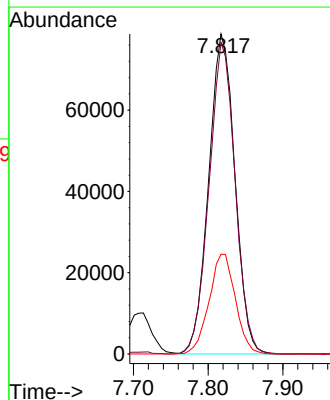
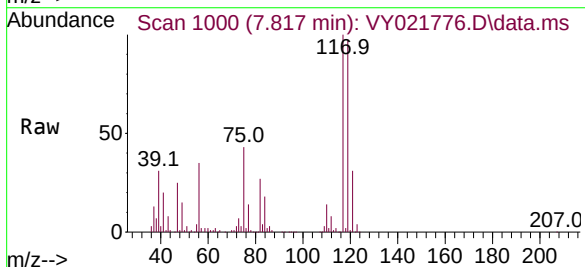
Tgt Ion: 117 Resp: 192102

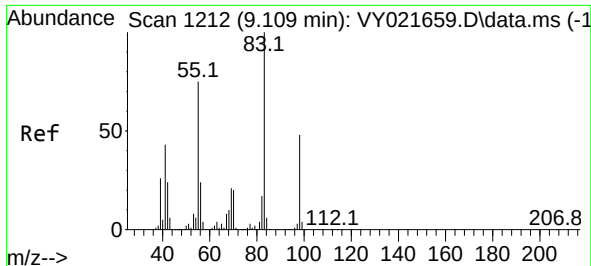
Ion Ratio Lower Upper

117 100

119 97.4 76.2 114.4

121 31.1 24.2 36.4





#39

Methylcyclohexane

Concen: 50.518 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

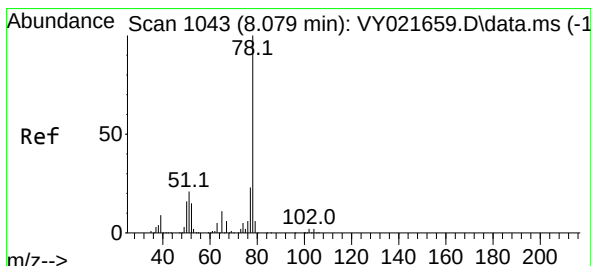
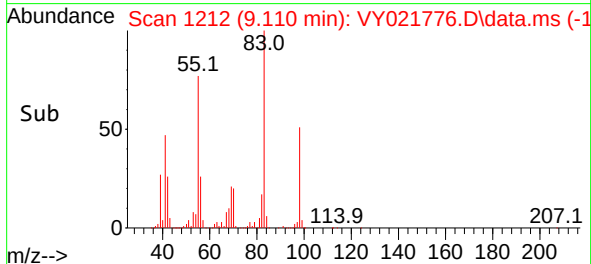
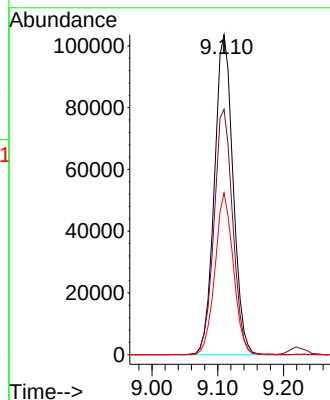
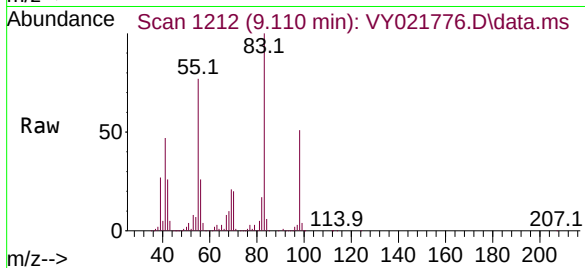
Tgt Ion: 83 Resp: 204403

Ion Ratio Lower Upper

83 100

55 76.6 59.7 89.5

98 50.6 38.3 57.5



#40

Benzene

Concen: 49.278 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021776.D

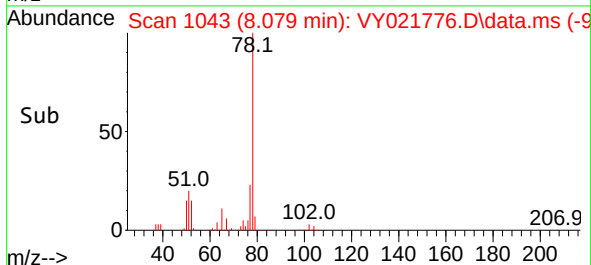
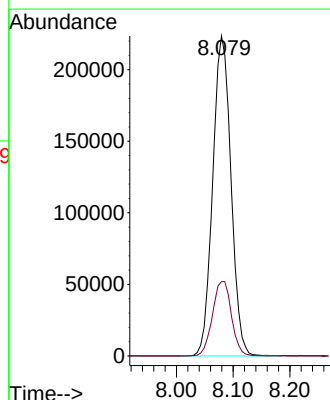
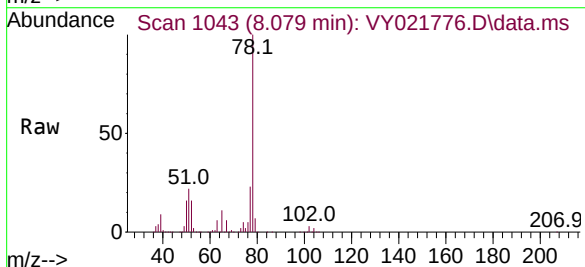
Acq: 04 Apr 2025 09:22

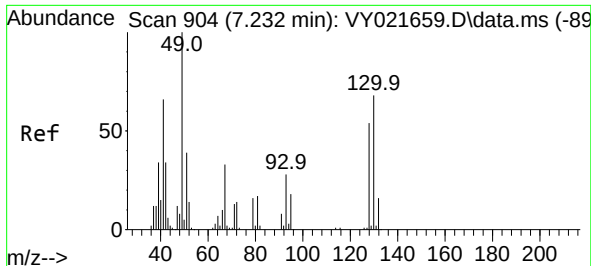
Tgt Ion: 78 Resp: 499841

Ion Ratio Lower Upper

78 100

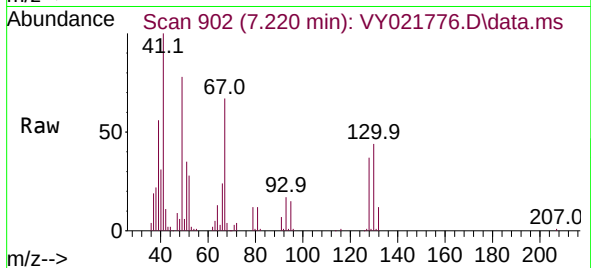
77 23.2 18.8 28.2



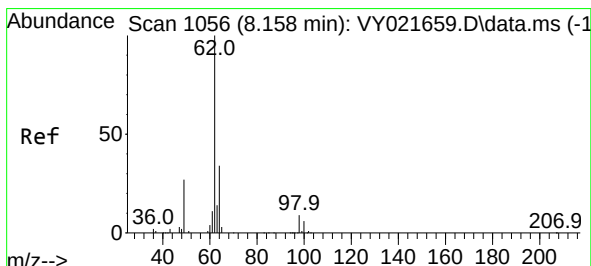
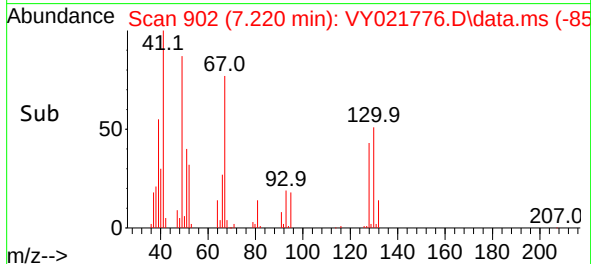
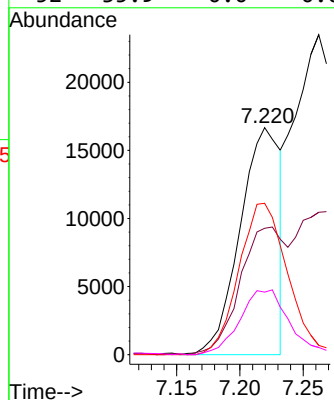


#41
Methacrylonitrile
Concen: 43.428 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

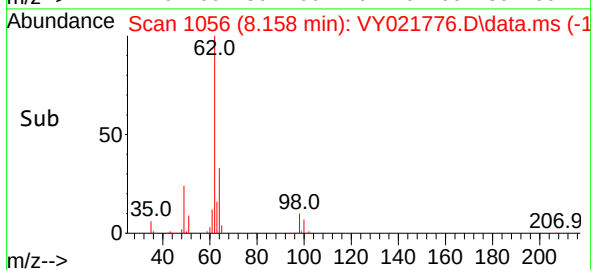
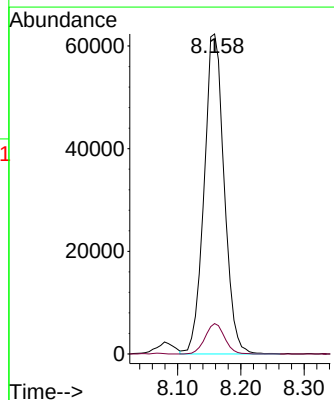
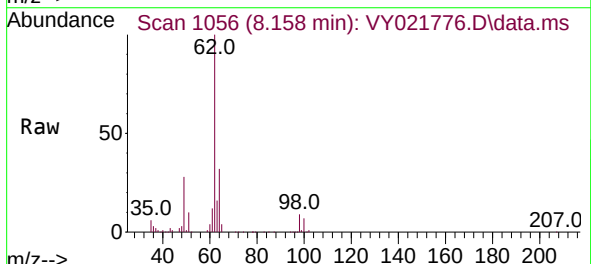


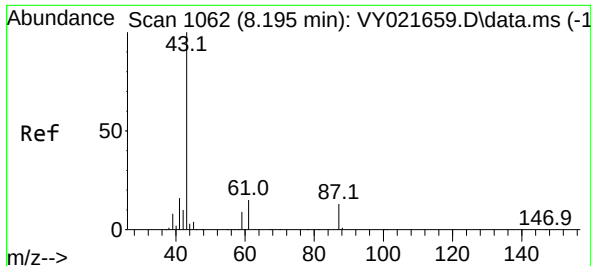
Tgt Ion: 41 Resp: 36866
Ion Ratio Lower Upper
41 100
39 64.9 0.0 0.0#
67 81.4 0.0 0.0#
52 35.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.074 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 62 Resp: 137468
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4

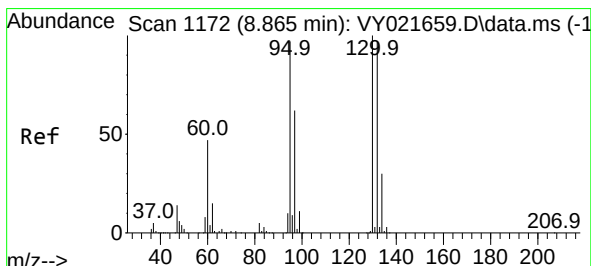
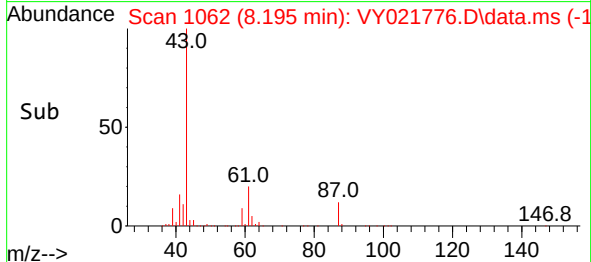
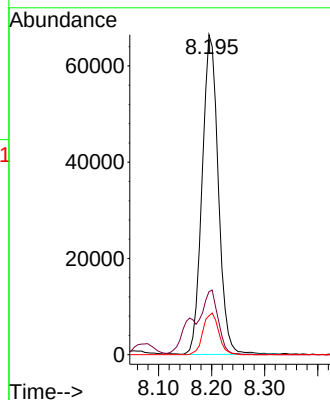
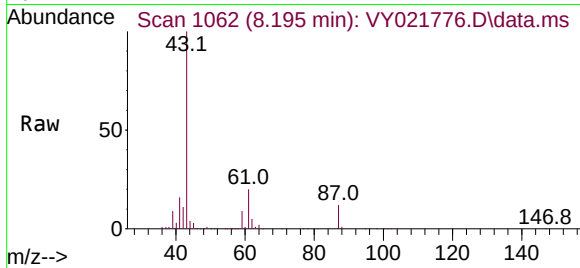




#43
Isopropyl Acetate
Concen: 46.402 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

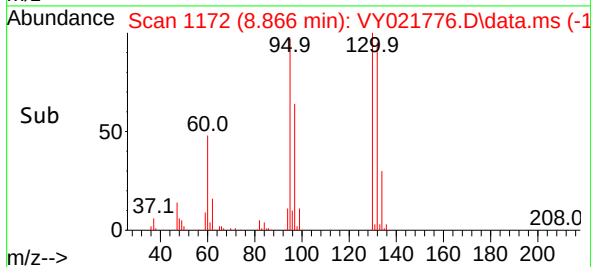
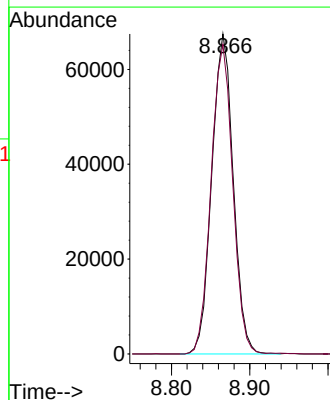
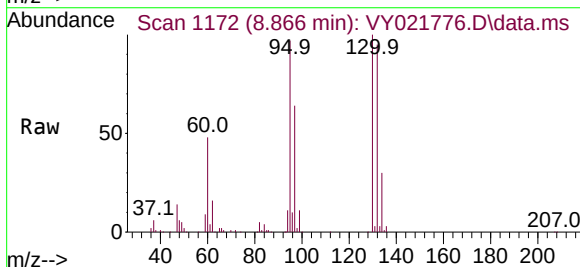
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

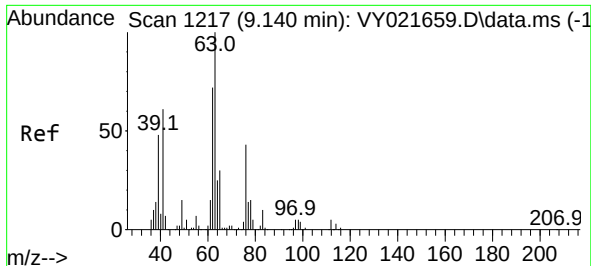
Tgt Ion: 43 Resp: 140563
Ion Ratio Lower Upper
43 100
61 20.1 15.9 23.9
87 12.6 10.4 15.6



#44
Trichloroethene
Concen: 49.692 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 130 Resp: 128424
Ion Ratio Lower Upper
130 100
95 96.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 49.325 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

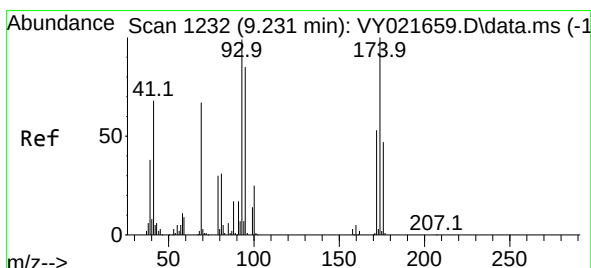
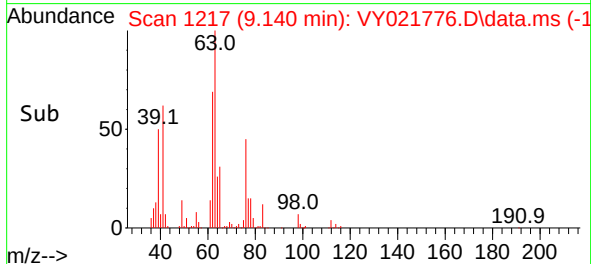
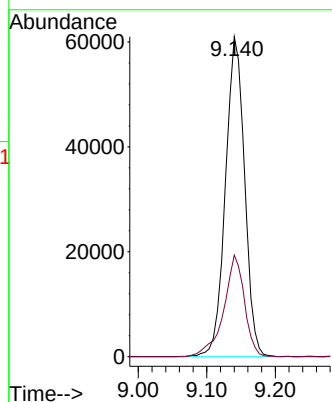
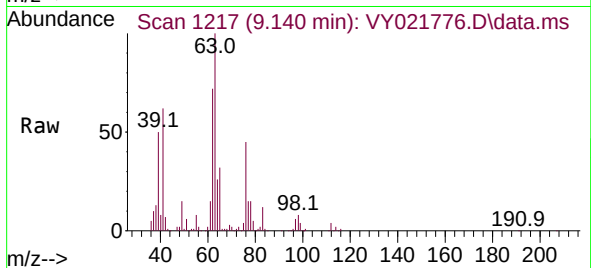
VSTDCCC050

Tgt Ion: 63 Resp: 118428

Ion Ratio Lower Upper

63 100

65 31.8 24.4 36.6



#46

Dibromomethane

Concen: 48.116 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

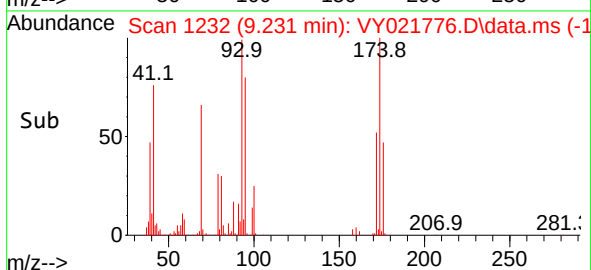
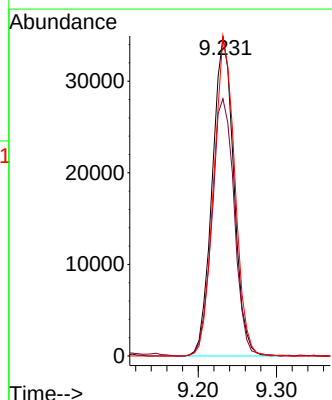
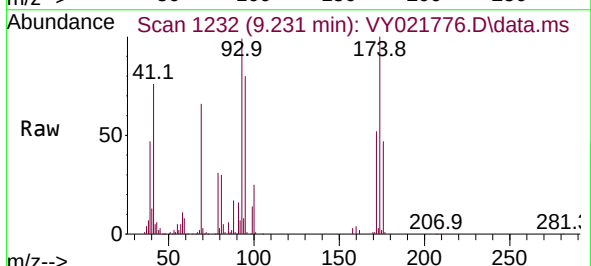
Tgt Ion: 93 Resp: 66580

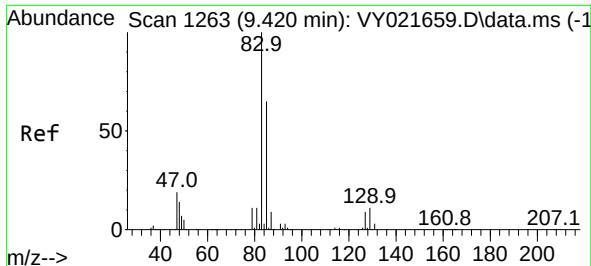
Ion Ratio Lower Upper

93 100

95 83.4 68.1 102.1

174 98.1 80.9 121.3

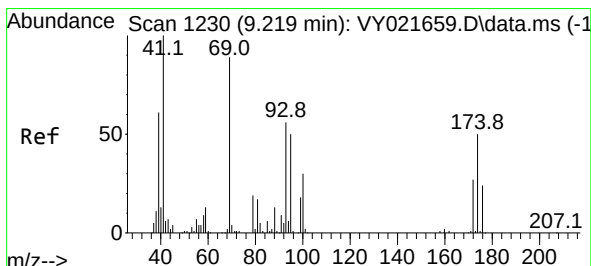
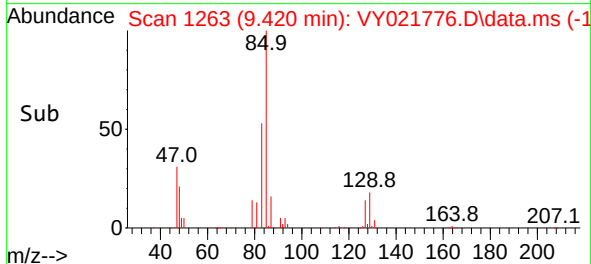
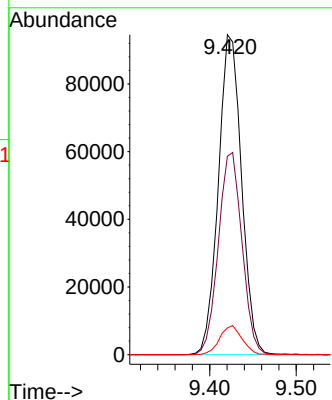
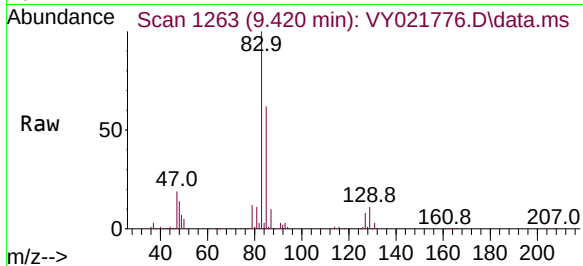




#47
Bromodichloromethane
Concen: 49.080 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

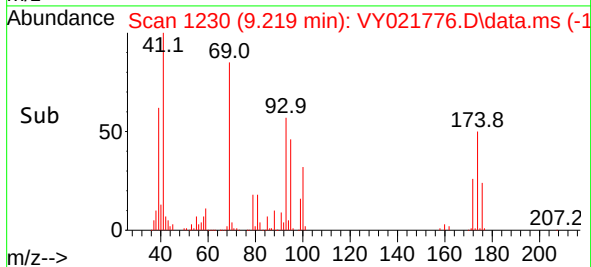
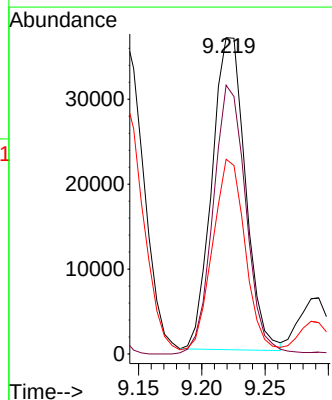
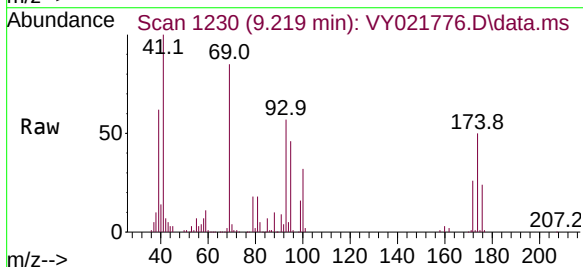
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

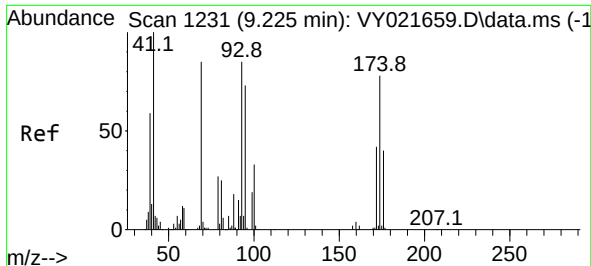
Tgt Ion: 83 Resp: 175976
Ion Ratio Lower Upper
83 100
85 62.0 51.8 77.6
127 8.3 6.8 10.2



#48
Methyl methacrylate
Concen: 48.681 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 67680
Ion Ratio Lower Upper
41 100
69 84.5 69.8 104.8
39 59.0 47.2 70.8





#49

1,4-Dioxane

Concen: 916.931 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

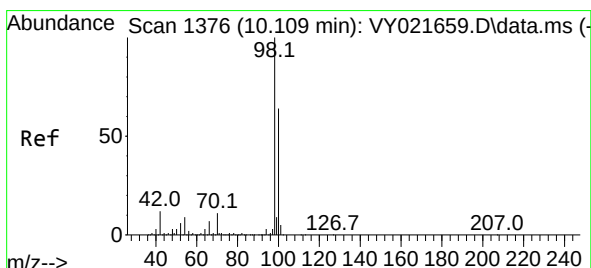
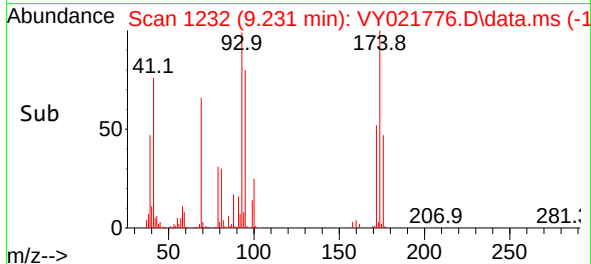
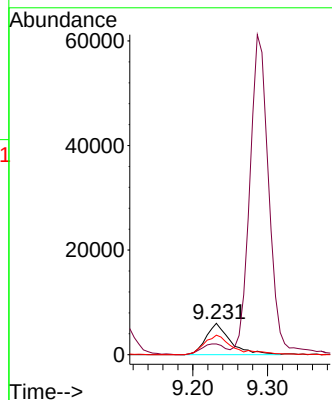
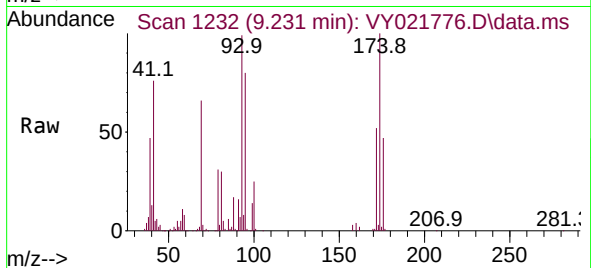
Tgt Ion: 88 Resp: 13592

Ion Ratio Lower Upper

88 100

43 33.9 28.8 43.2

58 75.3 59.4 89.2



#50

Toluene-d8

Concen: 52.794 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021776.D

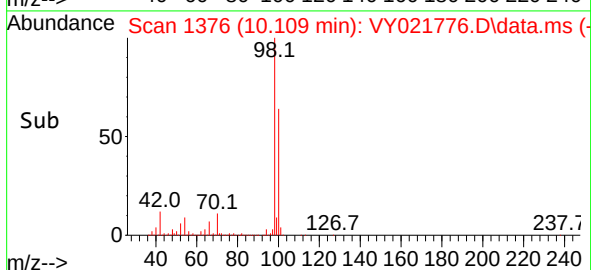
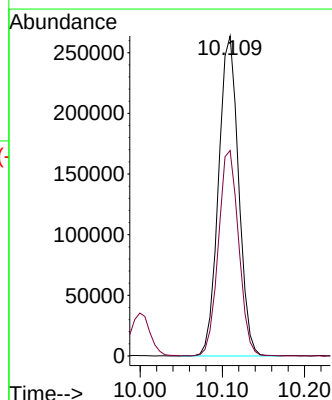
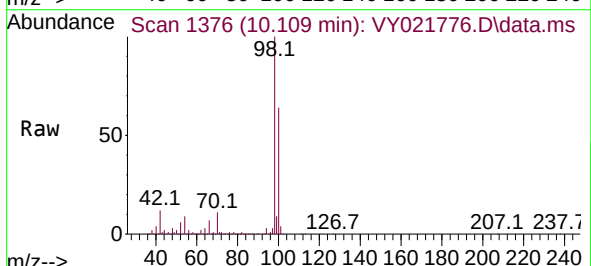
Acq: 04 Apr 2025 09:22

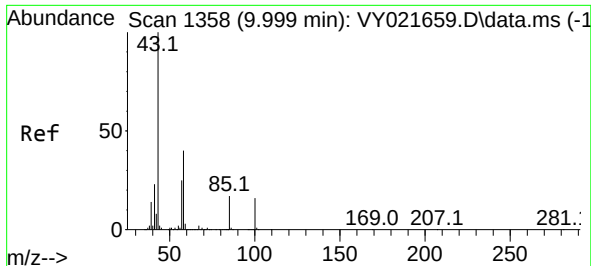
Tgt Ion: 98 Resp: 446617

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1

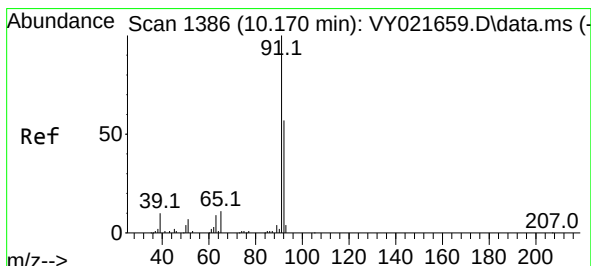
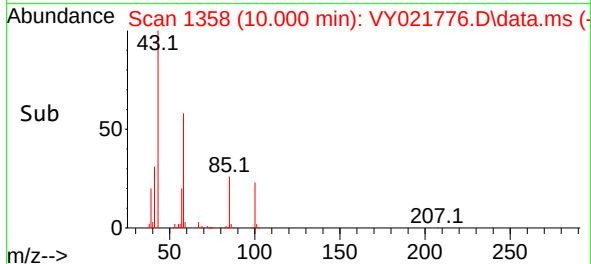
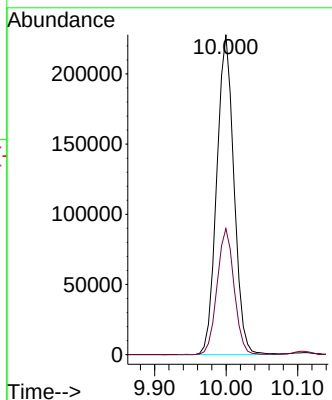
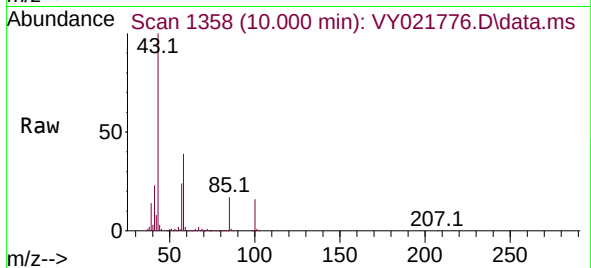




#51
4-Methyl-2-Pentanone
Concen: 241.372 ug/l
RT: 10.000 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

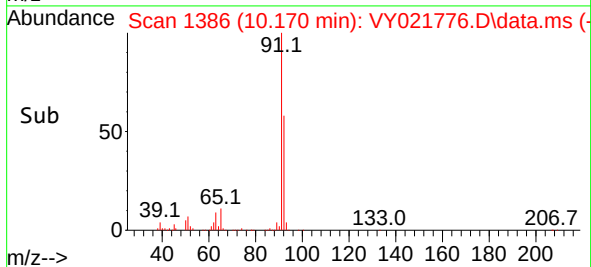
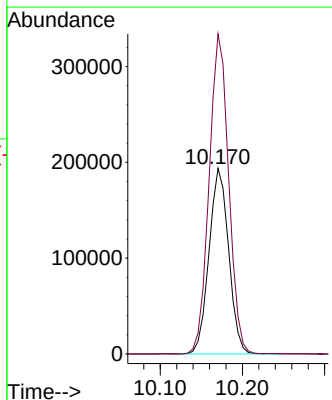
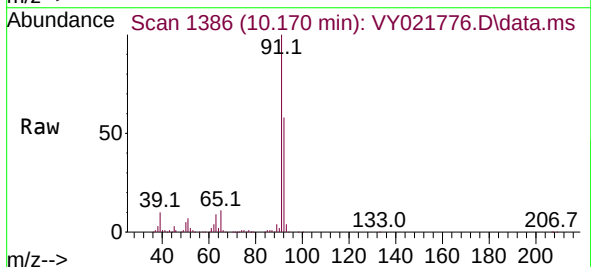
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

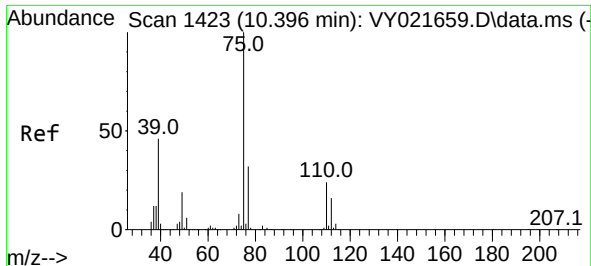
Tgt Ion: 43 Resp: 380500
Ion Ratio Lower Upper
43 100
58 39.0 31.5 47.3



#52
Toluene
Concen: 50.737 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 92 Resp: 321091
Ion Ratio Lower Upper
92 100
91 171.7 138.6 207.8

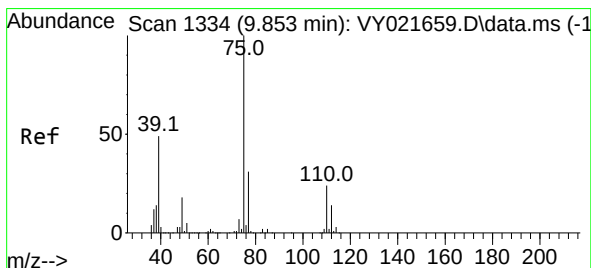
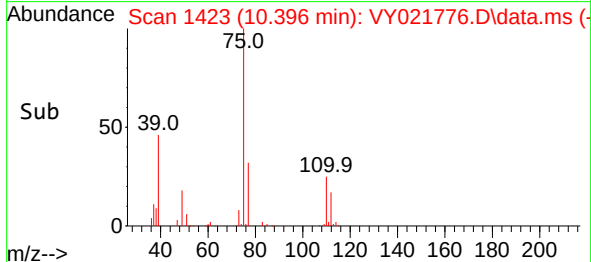
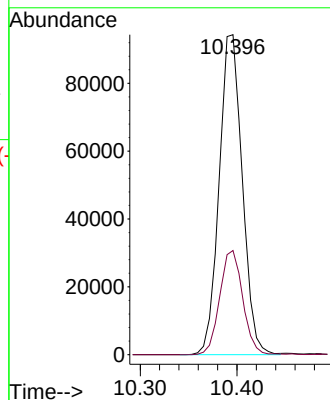
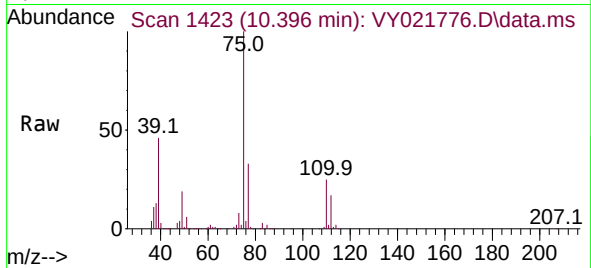




#53
t-1,3-Dichloropropene
Concen: 49.181 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

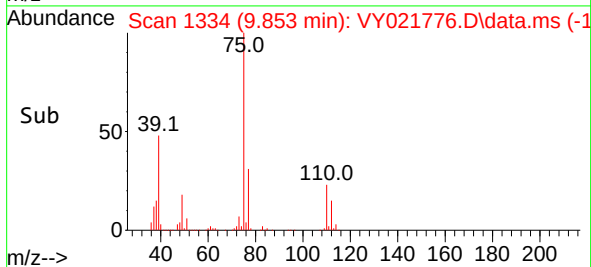
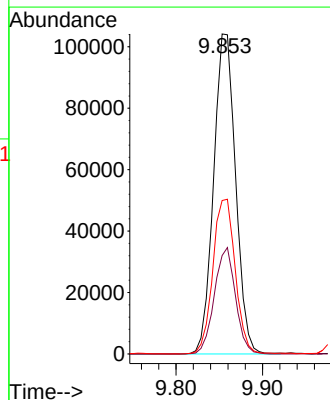
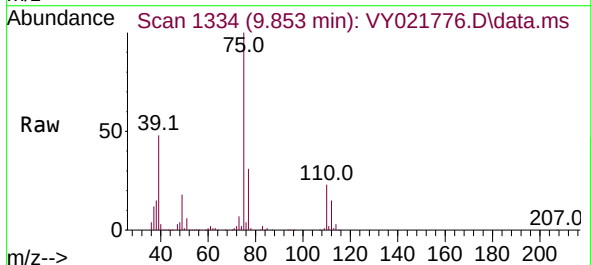
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

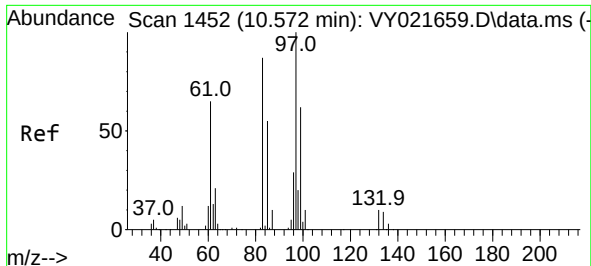
Tgt Ion: 75 Resp: 156628
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 48.979 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 184020
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3
39 47.9 39.2 58.8

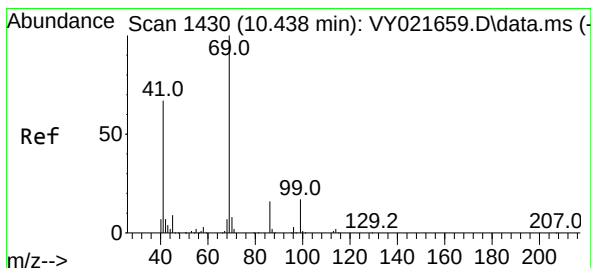
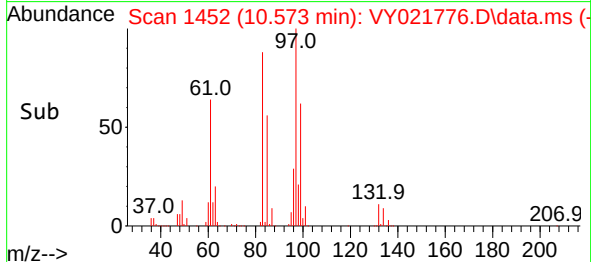
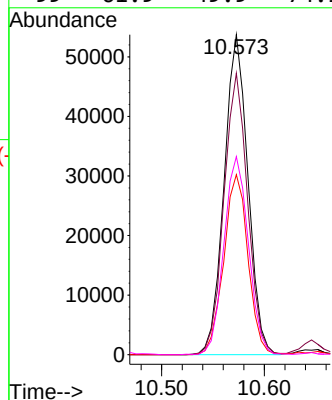
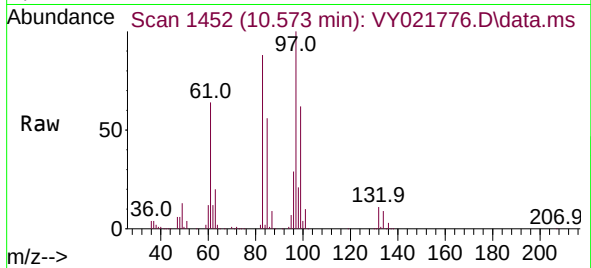




#55
1,1,2-Trichloroethane
Concen: 48.624 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

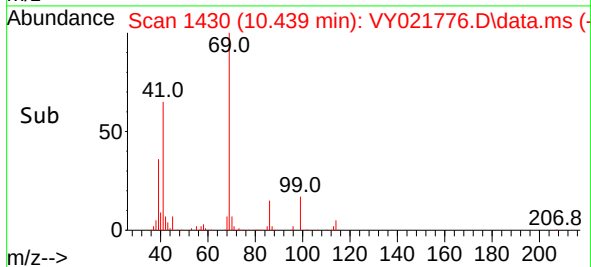
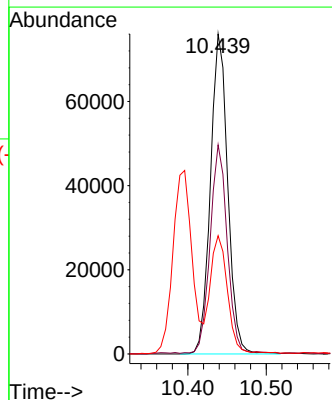
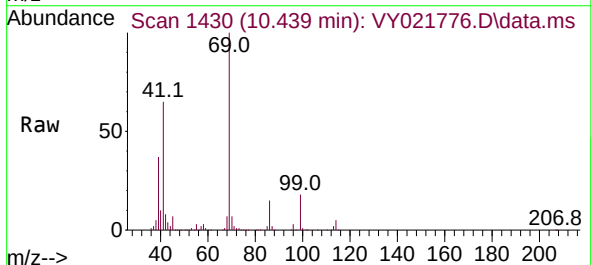
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

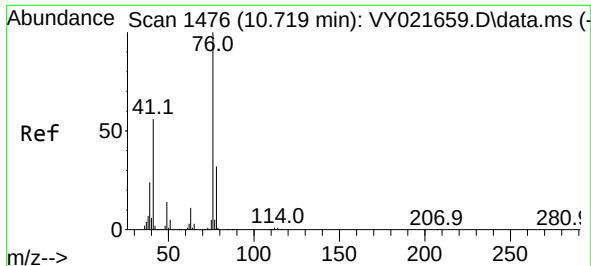
Tgt Ion:	97	Resp:	86585
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.5	104.3
85	56.2	43.9	65.9
99	61.9	49.9	74.9



#56
Ethyl methacrylate
Concen: 51.235 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:	69	Resp:	116496
Ion	Ratio	Lower	Upper
69	100		
41	64.7	53.8	80.6
39	36.1	29.6	44.4





#57

1,3-Dichloropropane

Concen: 49.355 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

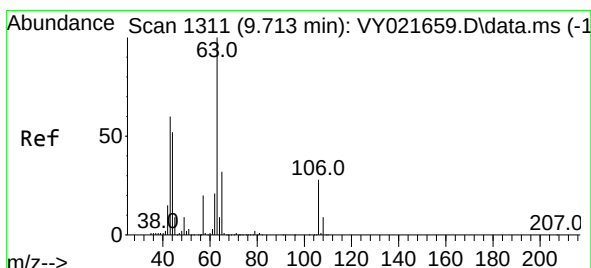
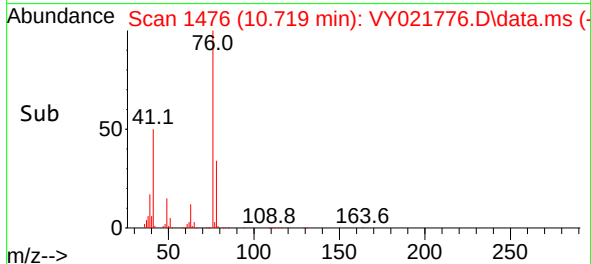
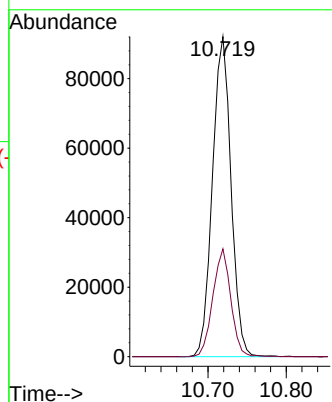
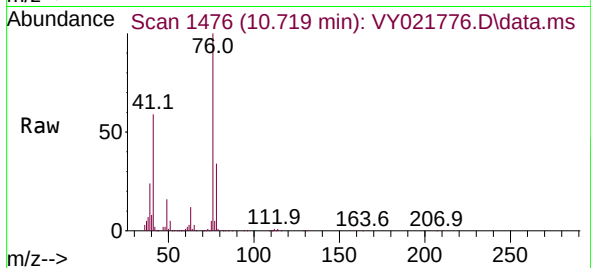
VSTDCCC050

Tgt Ion: 76 Resp: 151785

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 264.232 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021776.D

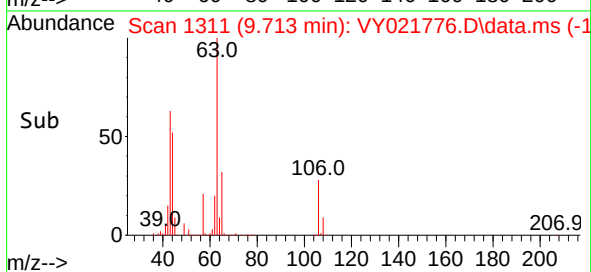
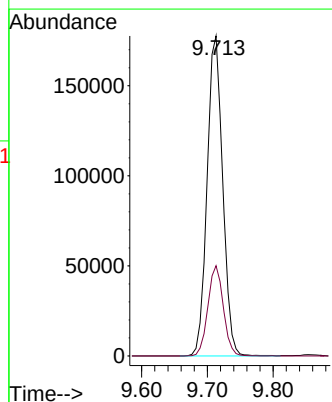
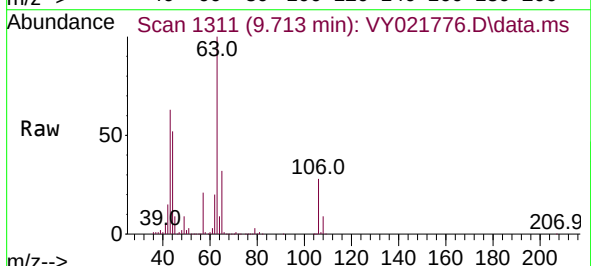
Acq: 04 Apr 2025 09:22

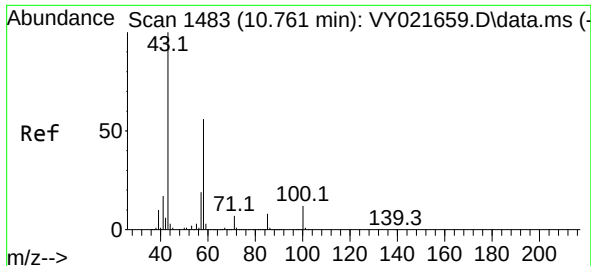
Tgt Ion: 63 Resp: 293090

Ion Ratio Lower Upper

63 100

106 27.9 22.4 33.6





#59

2-Hexanone

Concen: 243.569 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

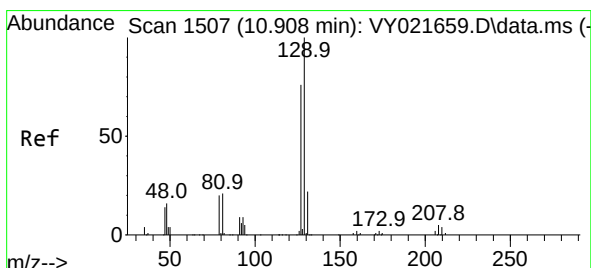
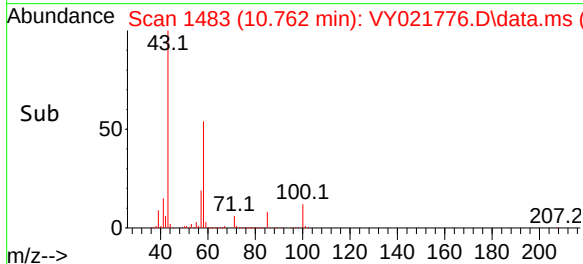
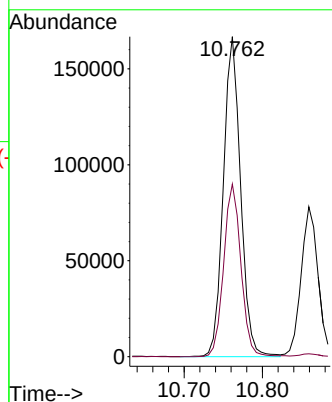
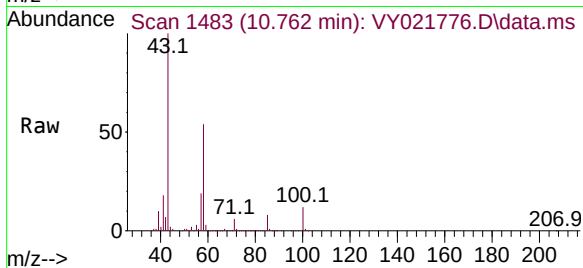
VSTDCCC050

Tgt Ion: 43 Resp: 255713

Ion Ratio Lower Upper

43 100

58 54.0 27.2 81.5



#60

Dibromochloromethane

Concen: 50.684 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021776.D

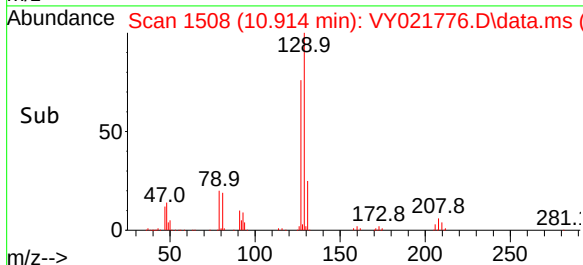
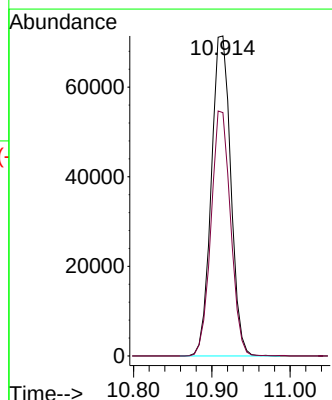
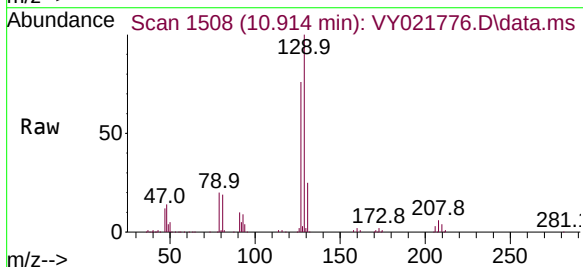
Acq: 04 Apr 2025 09:22

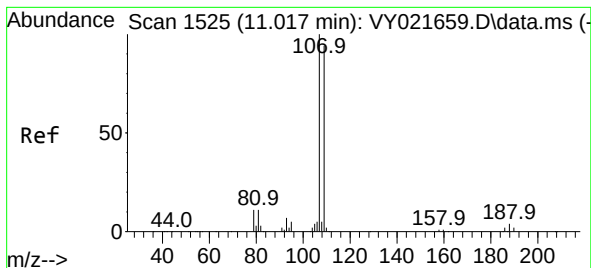
Tgt Ion: 129 Resp: 123226

Ion Ratio Lower Upper

129 100

127 76.7 38.6 115.7

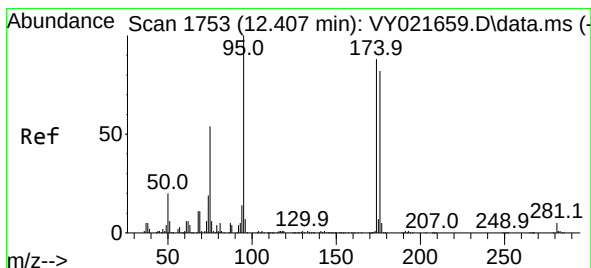
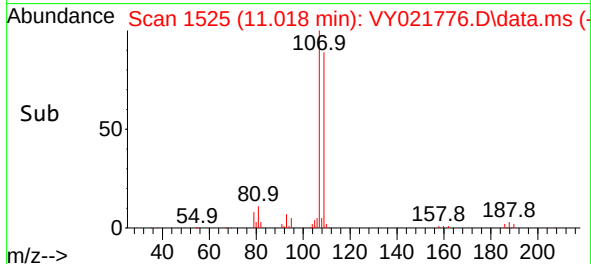
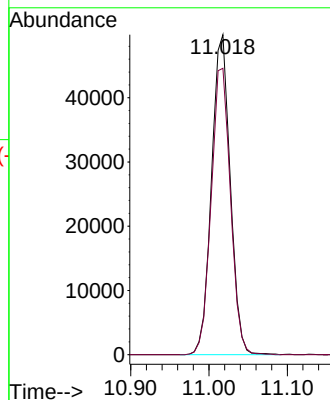
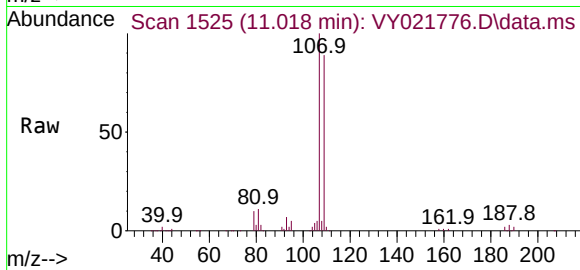




#61
1,2-Dibromoethane
Concen: 49.485 ug/l
RT: 11.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

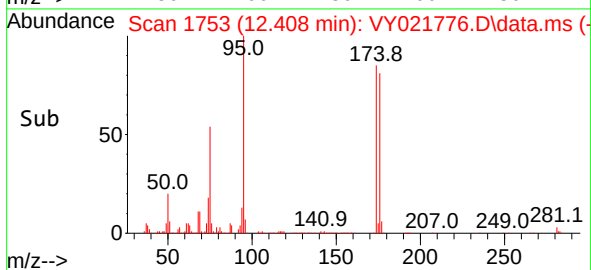
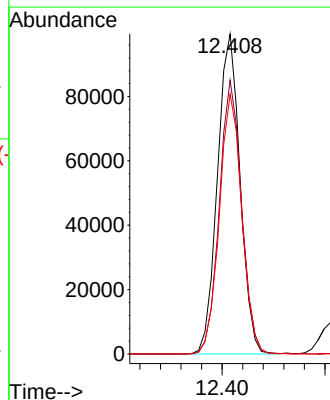
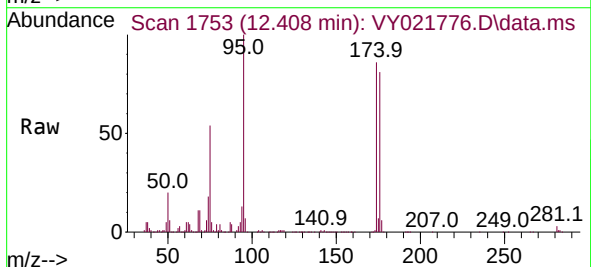
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

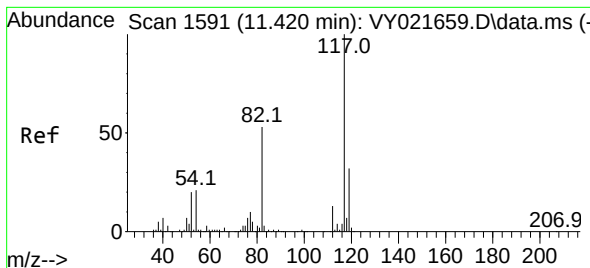
Tgt Ion:107 Resp: 82662
Ion Ratio Lower Upper
107 100
109 92.4 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 52.928 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 95 Resp: 151449
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 80.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

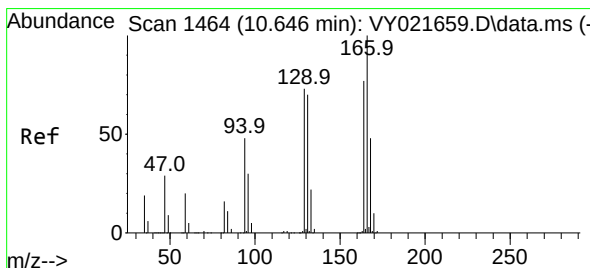
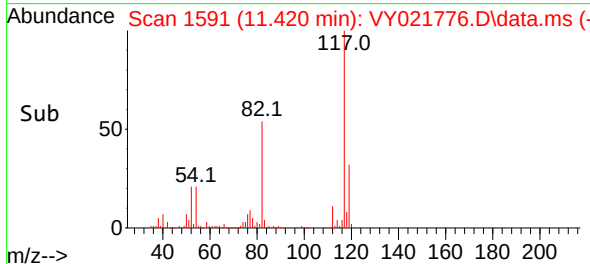
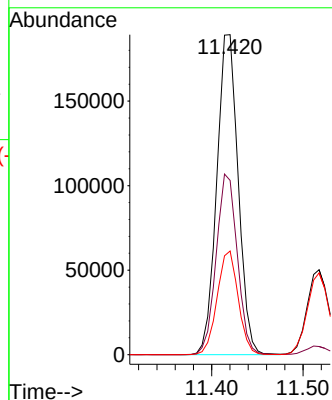
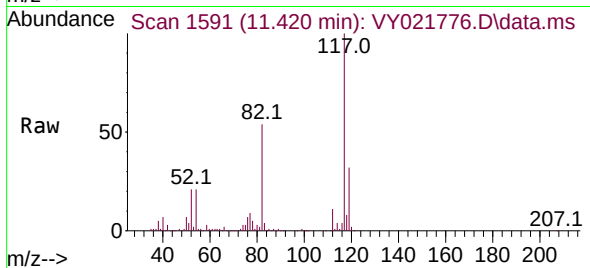
Tgt Ion:117 Resp: 308777

Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

119 32.4 25.7 38.5



#64

Tetrachloroethene

Concen: 49.667 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Tgt Ion:164 Resp: 139676

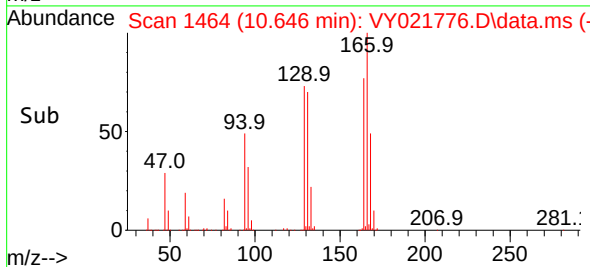
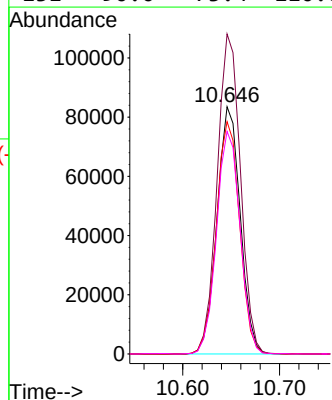
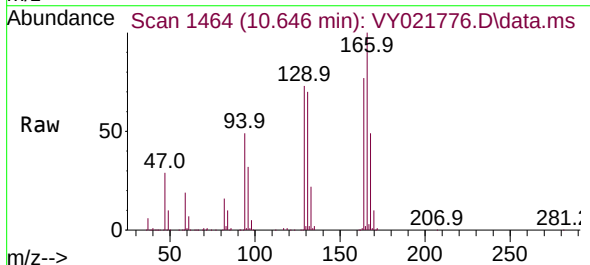
Ion Ratio Lower Upper

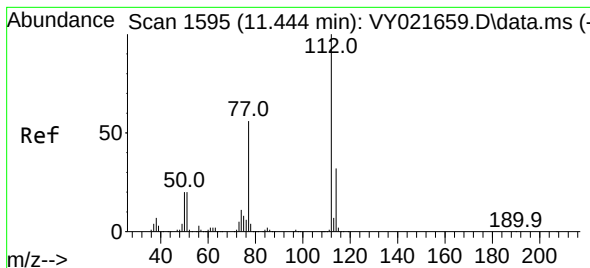
164 100

166 129.4 104.6 156.8

129 93.9 76.6 114.8

131 90.0 73.4 110.0

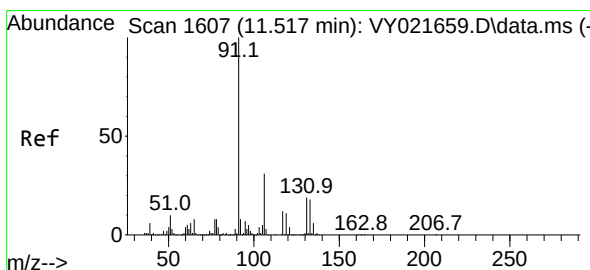
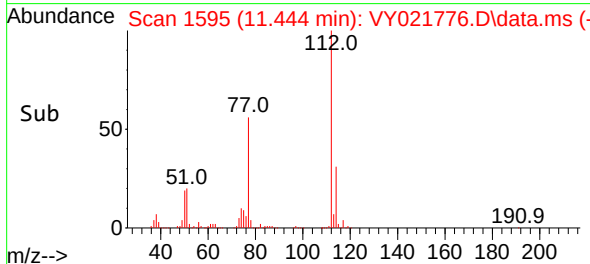
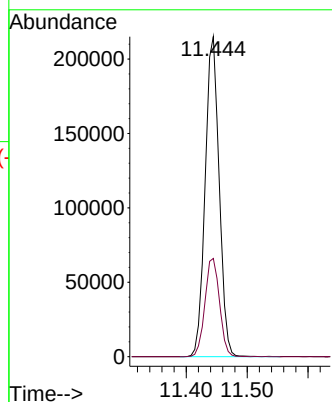
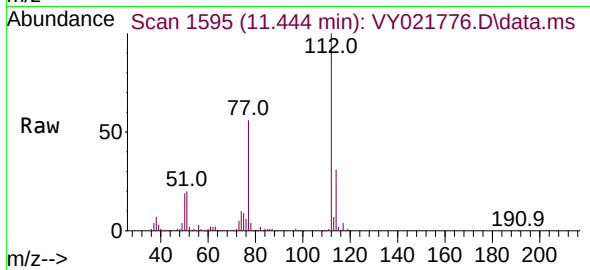




#65
Chlorobenzene
Concen: 48.533 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

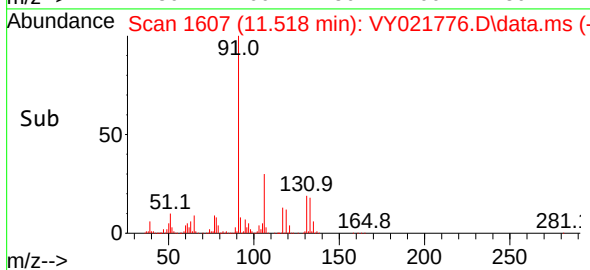
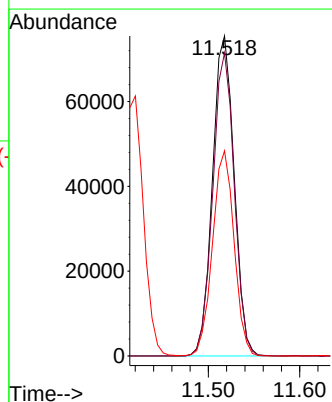
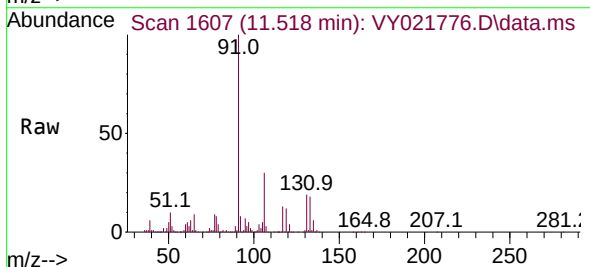
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

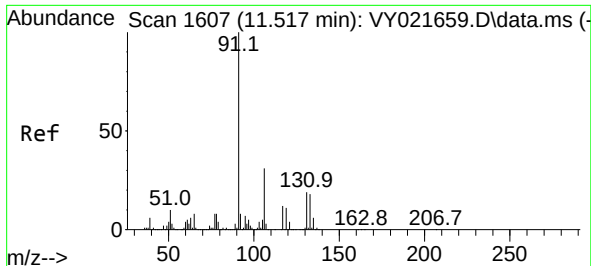
Tgt Ion:112 Resp: 343523
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.482 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:131 Resp: 124267
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 63.8 31.6 95.0





#67

Ethyl Benzene

Concen: 50.727 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

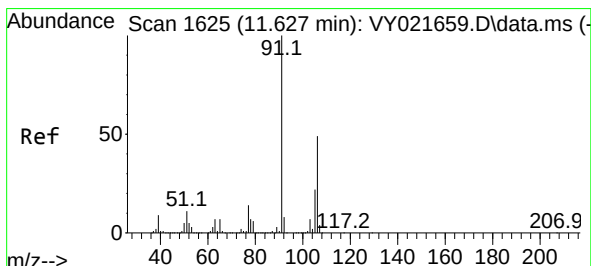
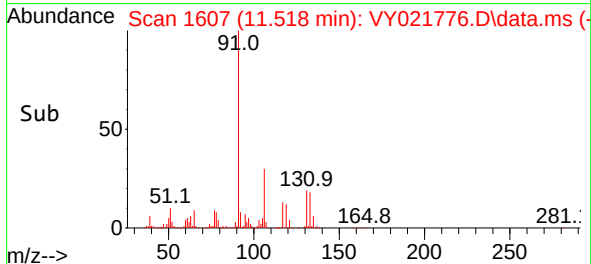
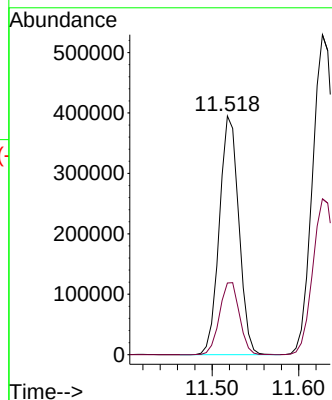
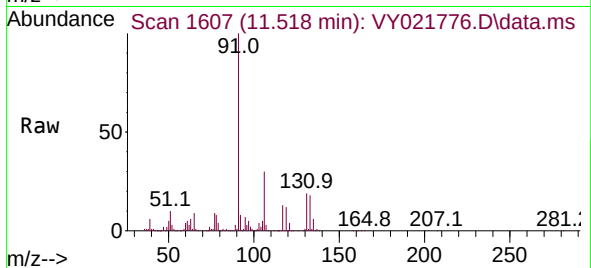
VSTDCCC050

Tgt Ion: 91 Resp: 615700

Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8



#68

m/p-Xylenes

Concen: 101.155 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021776.D

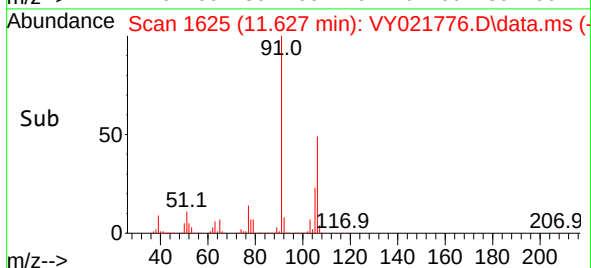
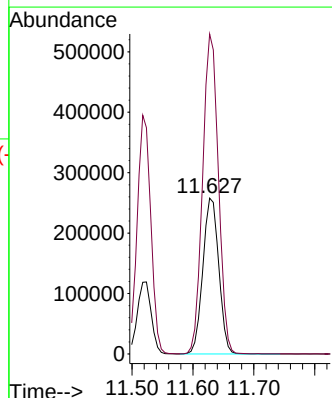
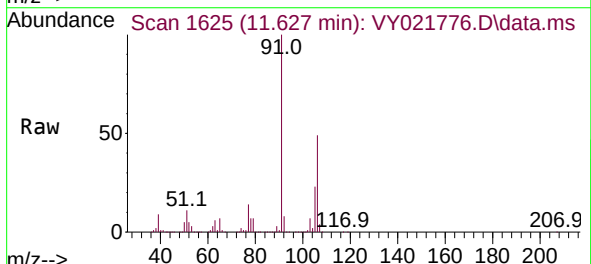
Acq: 04 Apr 2025 09:22

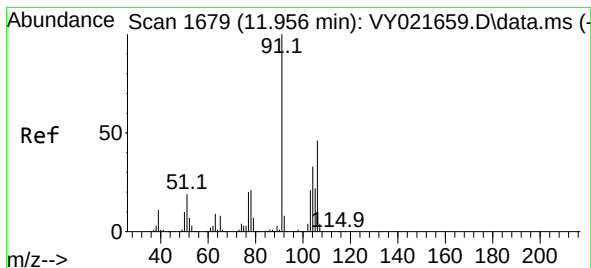
Tgt Ion: 106 Resp: 470149

Ion Ratio Lower Upper

106 100

91 203.2 162.4 243.6





#69

o-Xylene

Concen: 50.688 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

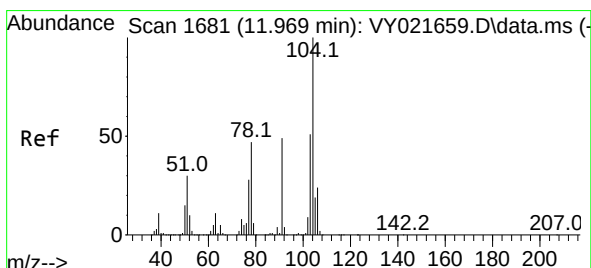
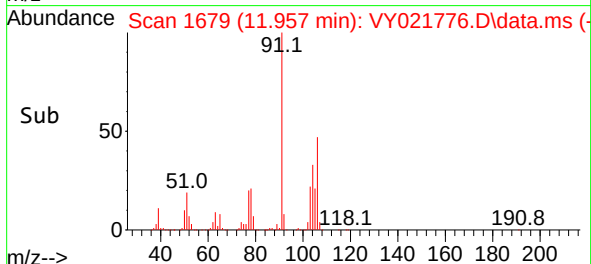
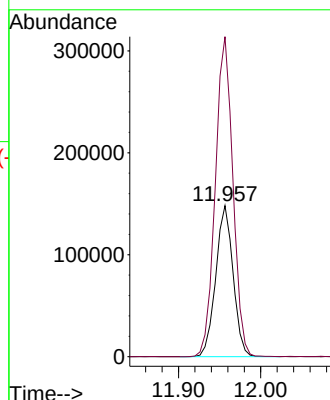
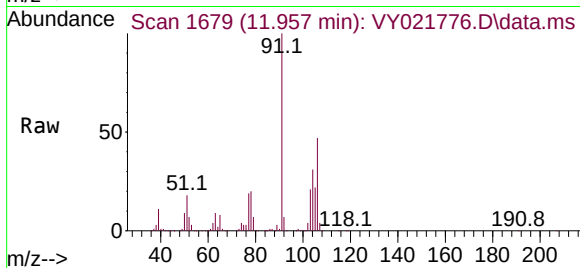
VSTDCCC050

Tgt Ion:106 Resp: 217467

Ion Ratio Lower Upper

106 100

91 215.1 106.7 319.9



#70

Styrene

Concen: 51.933 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

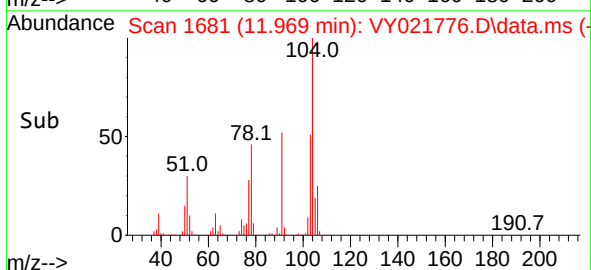
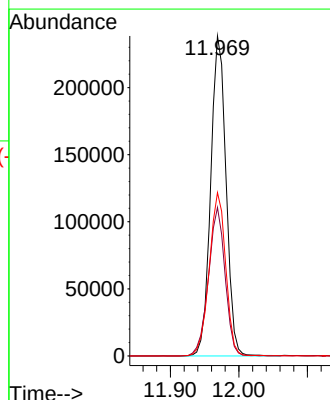
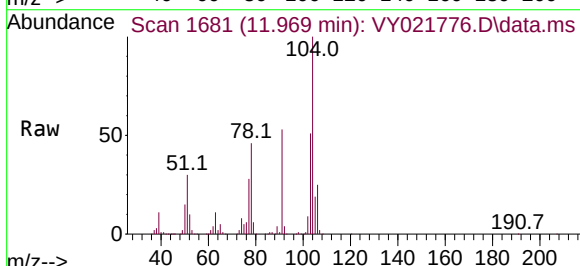
Tgt Ion:104 Resp: 371495

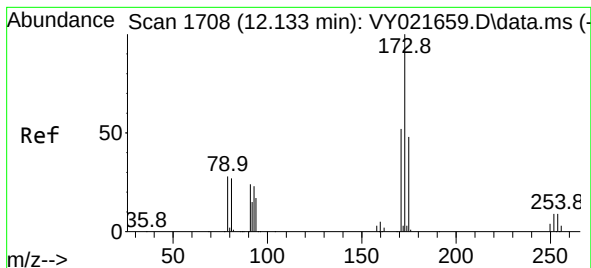
Ion Ratio Lower Upper

104 100

78 50.2 40.8 61.2

103 54.8 44.2 66.2





#71

Bromoform

Concen: 49.056 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

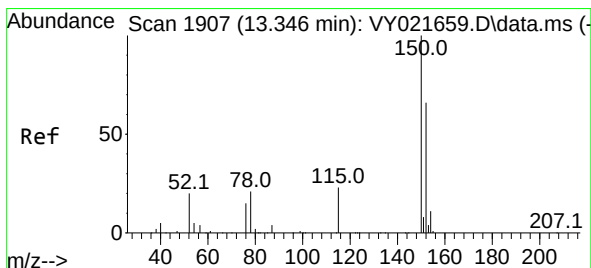
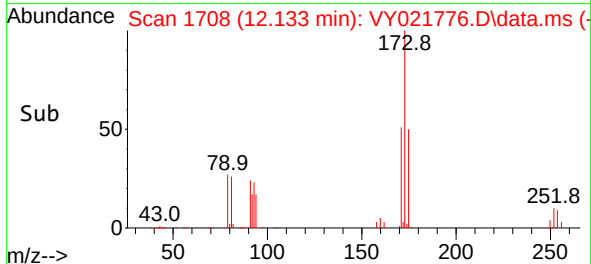
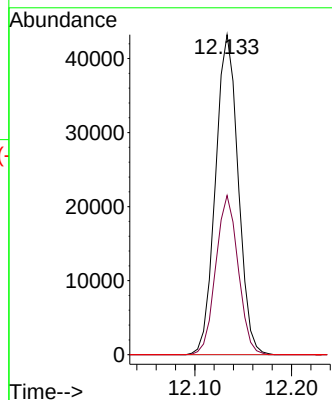
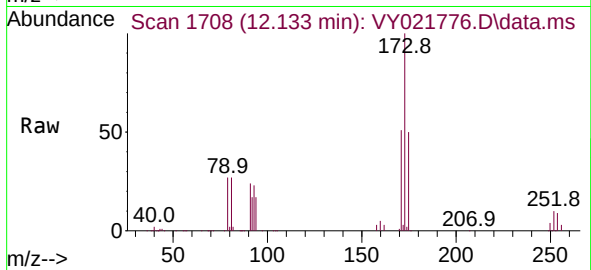
Tgt Ion:173 Resp: 70273

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

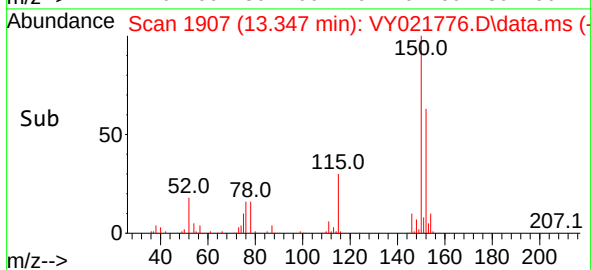
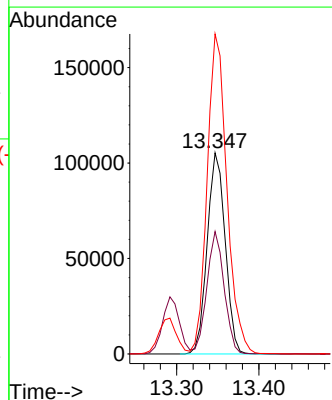
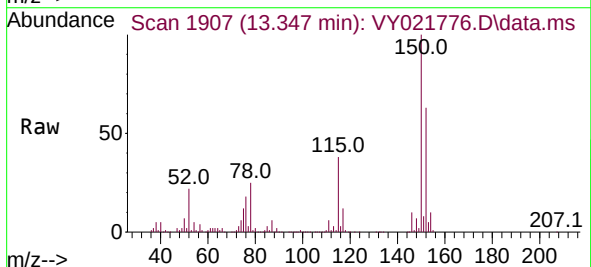
Tgt Ion:152 Resp: 160179

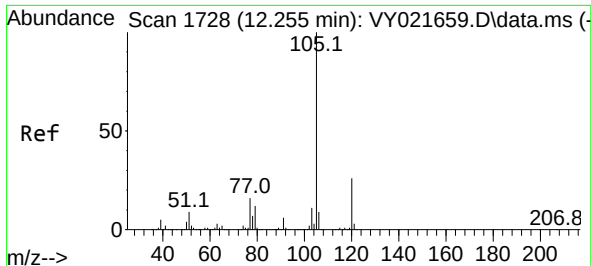
Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 174.4 0.0 348.4

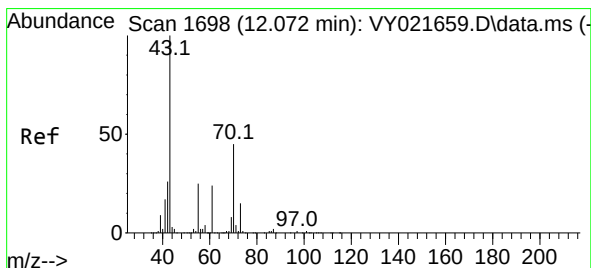
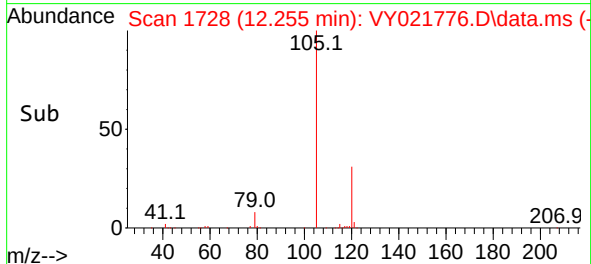
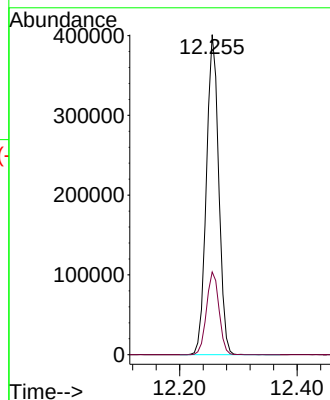
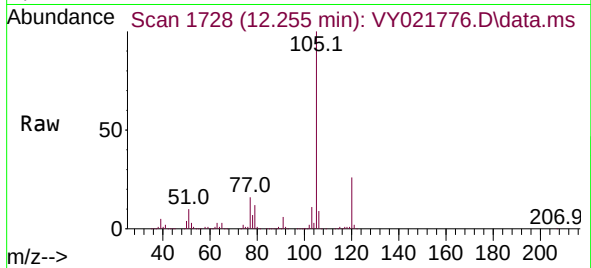




#73
Isopropylbenzene
Concen: 49.152 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

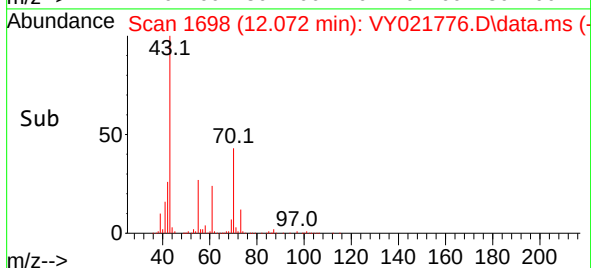
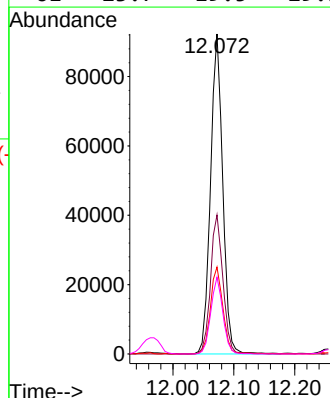
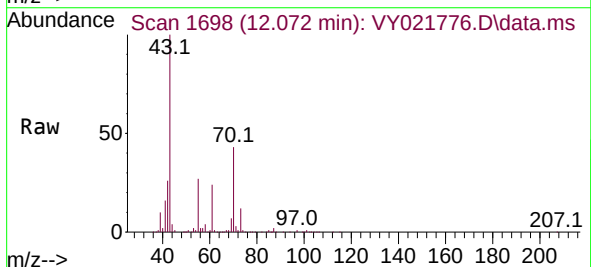
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

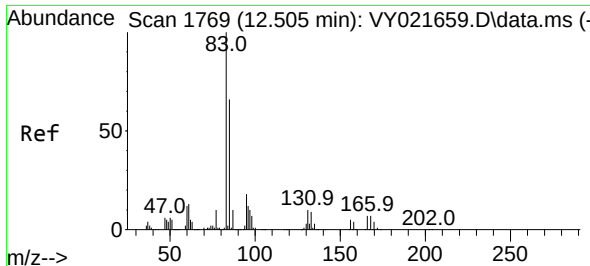
Tgt Ion:105 Resp: 584770
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 46.159 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 128883
Ion Ratio Lower Upper
43 100
70 44.1 34.7 52.1
55 27.9 21.2 31.8
61 23.7 19.5 29.3

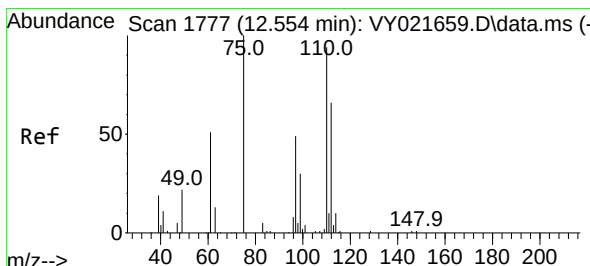
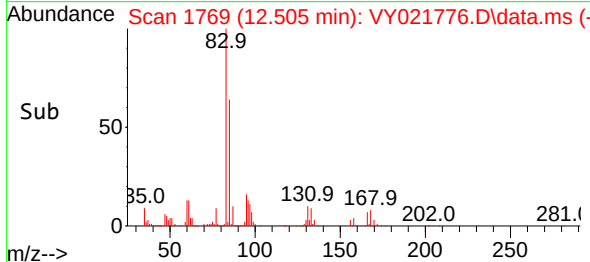
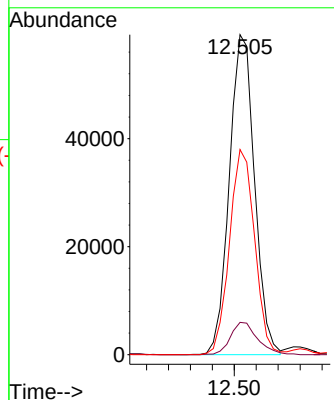
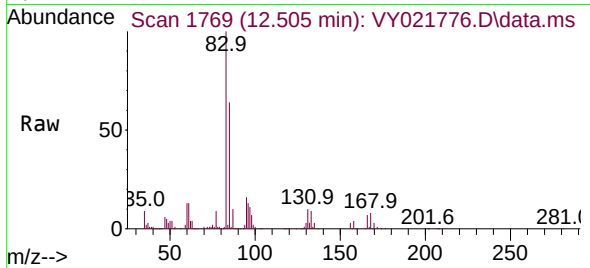




#75
1,1,2,2-Tetrachloroethane
Concen: 44.226 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

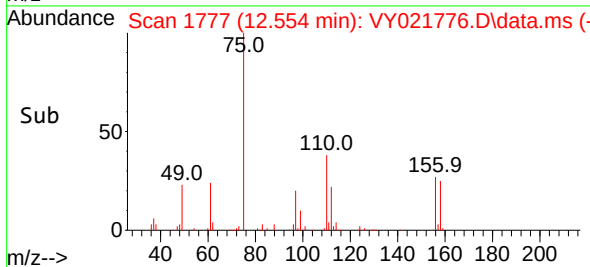
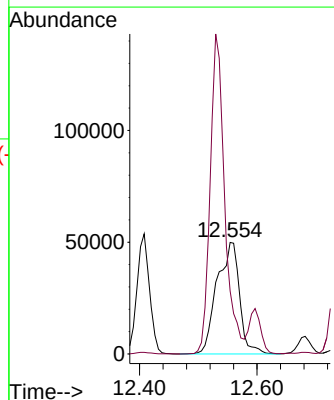
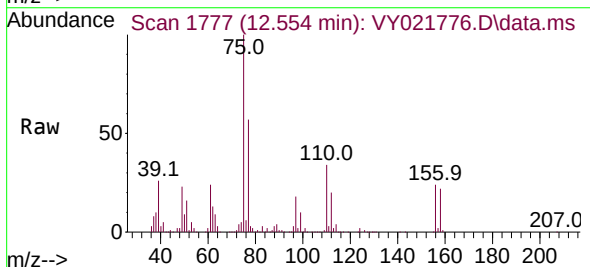
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

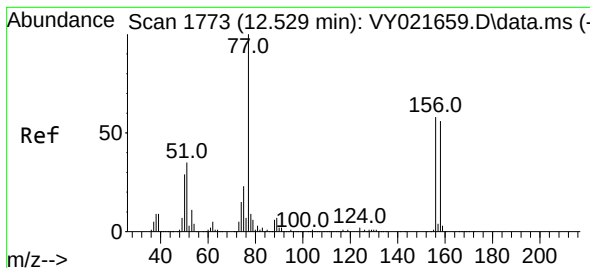
Tgt Ion: 83 Resp: 94598
Ion Ratio Lower Upper
83 100
131 10.9 5.1 15.3
85 64.0 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 83.901 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 133217
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.465 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

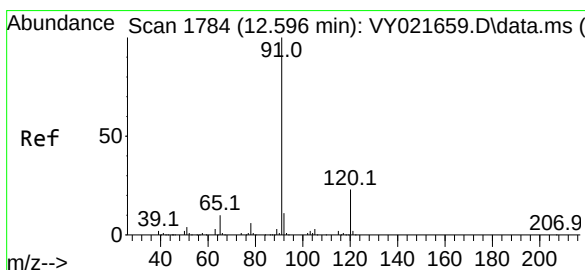
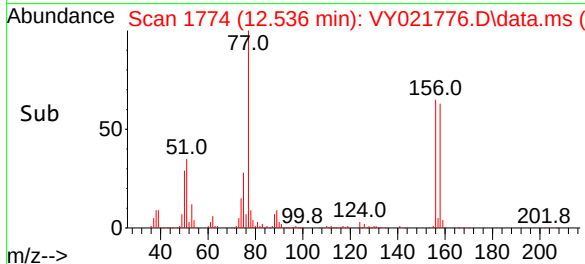
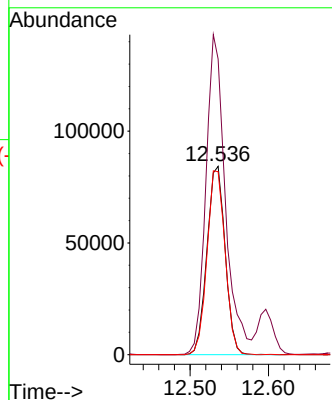
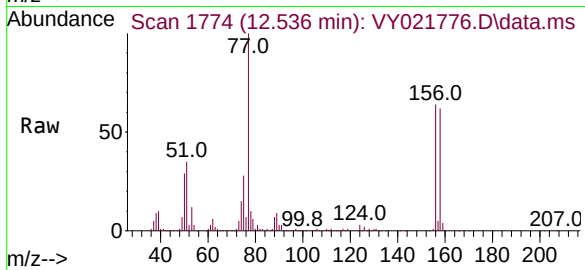
Tgt Ion:156 Resp: 135583

Ion Ratio Lower Upper

156 100

77 182.2 92.8 278.3

158 97.4 48.5 145.6



#78

n-propylbenzene

Concen: 49.780 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021776.D

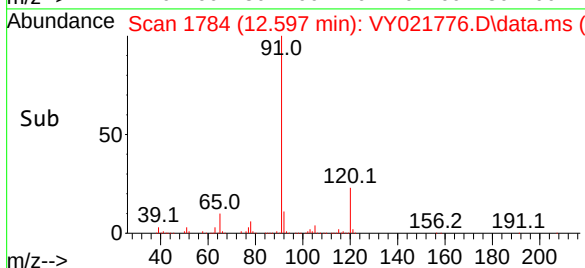
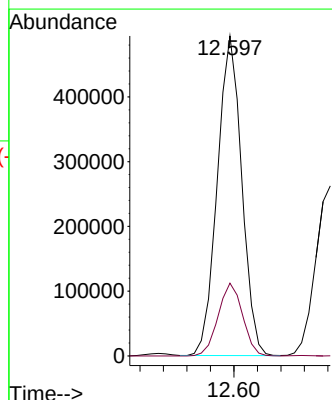
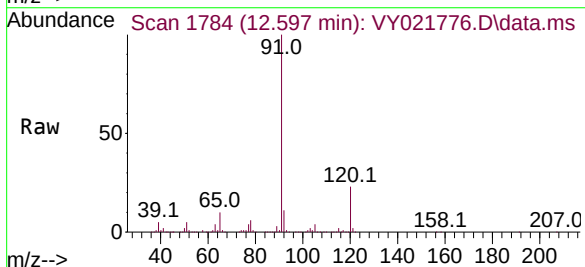
Acq: 04 Apr 2025 09:22

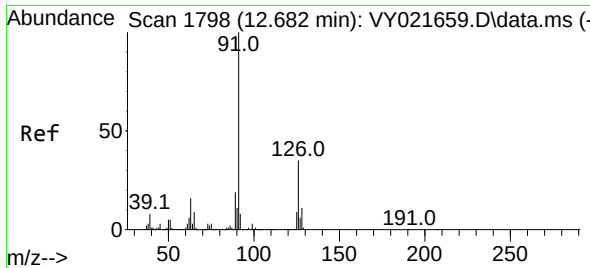
Tgt Ion: 91 Resp: 712013

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.9

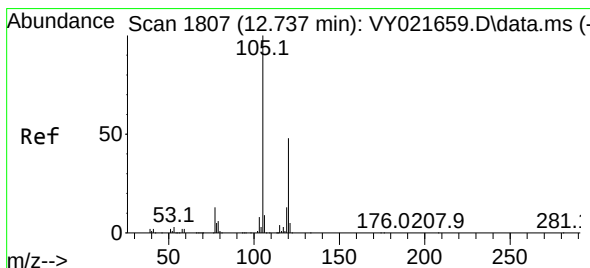
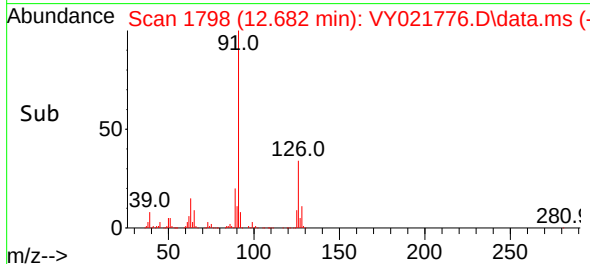
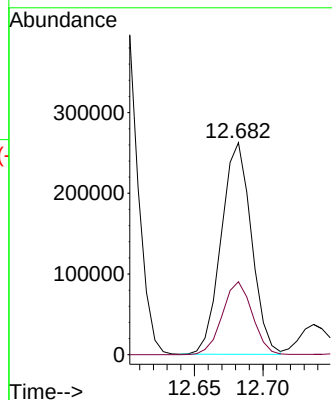
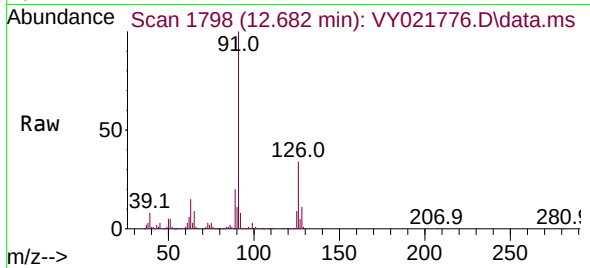




#79
2-Chlorotoluene
Concen: 48.532 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

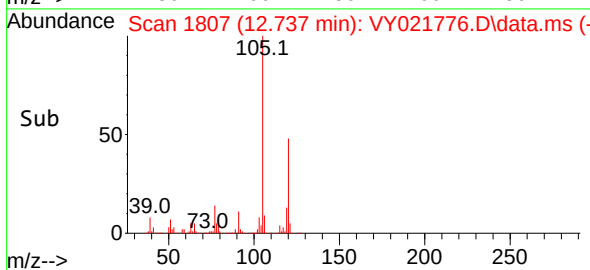
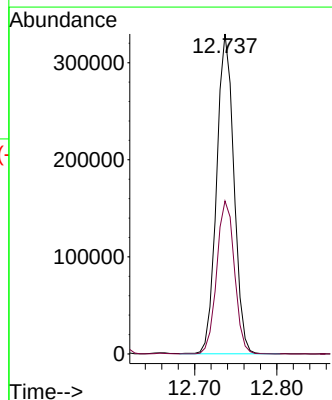
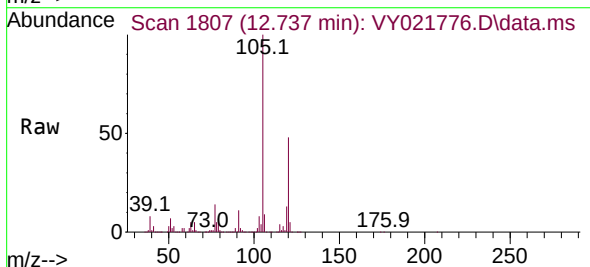
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

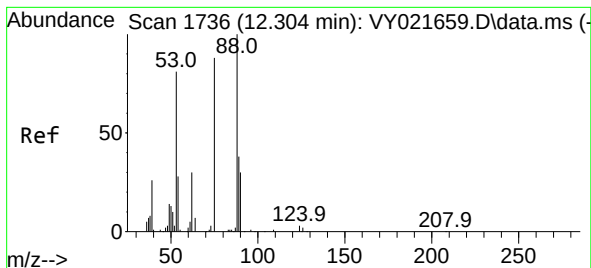
Tgt Ion: 91 Resp: 403179
Ion Ratio Lower Upper
91 100
126 34.2 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 49.401 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 105 Resp: 480341
Ion Ratio Lower Upper
105 100
120 49.2 24.5 73.5

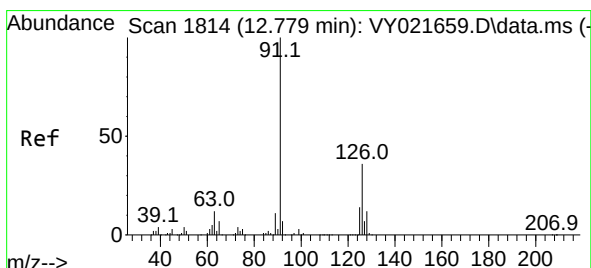
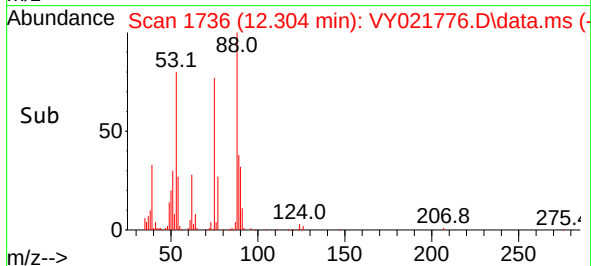
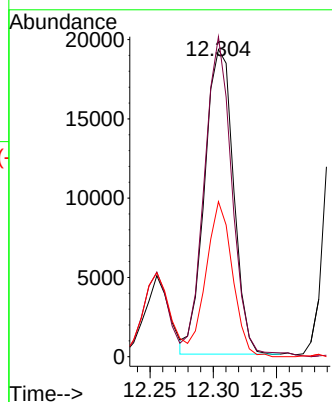
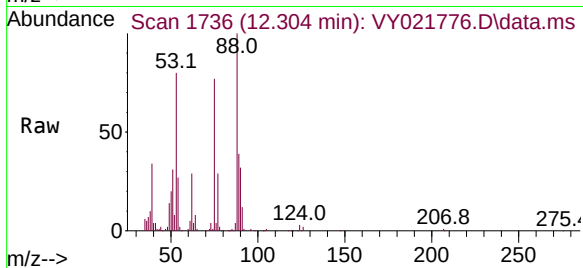




#81
trans-1,4-Dichloro-2-butene
Concen: 44.380 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

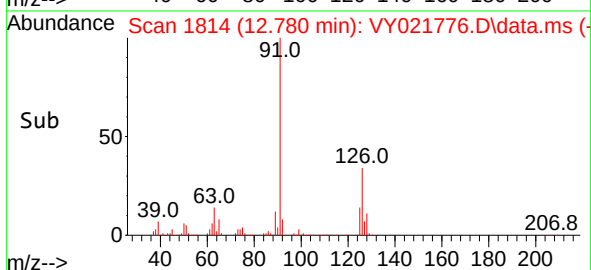
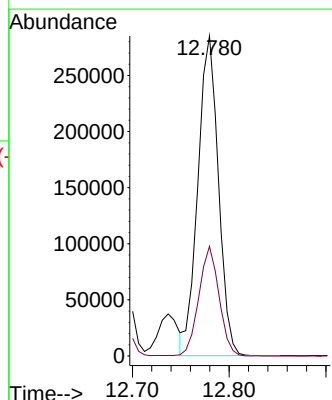
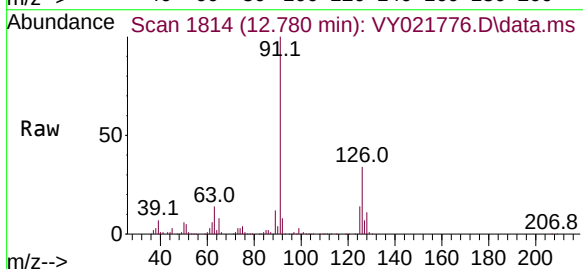
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

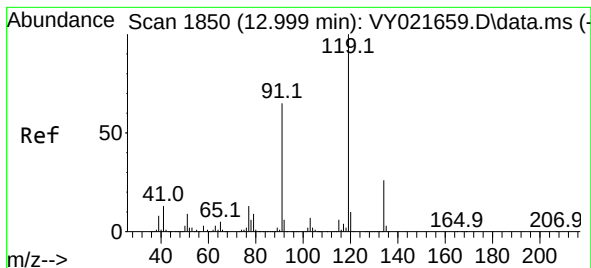
Tgt Ion:	75	Resp:	30582
Ion	Ratio	Lower	Upper
75	100		
53	101.1	76.1	114.1
89	46.2	36.2	54.4



#82
4-Chlorotoluene
Concen: 48.519 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:	91	Resp:	420225
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	50.9

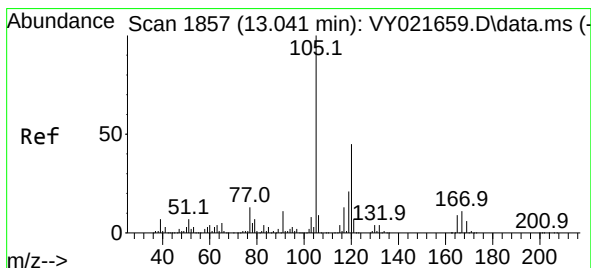
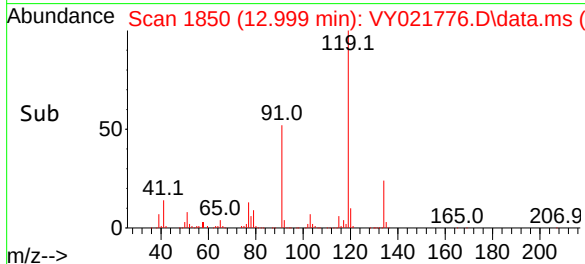
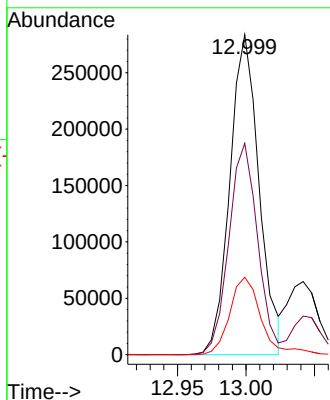
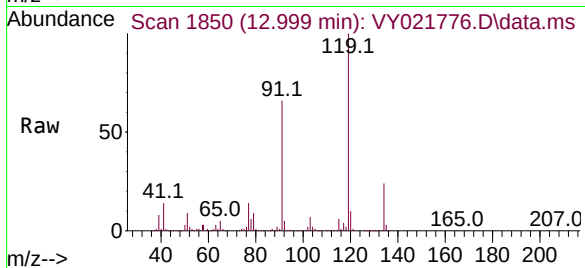




#83
tert-Butylbenzene
Concen: 48.759 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

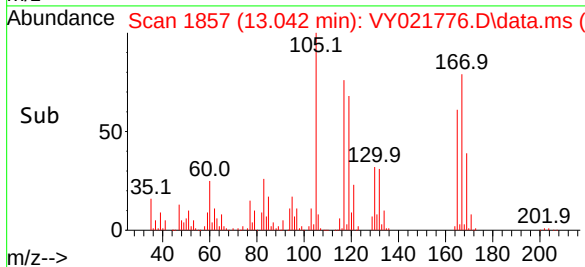
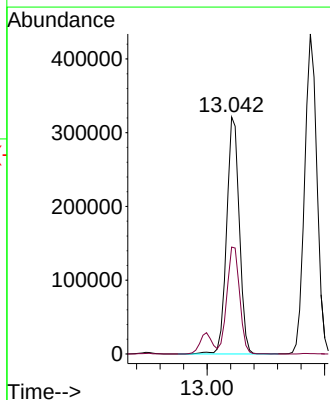
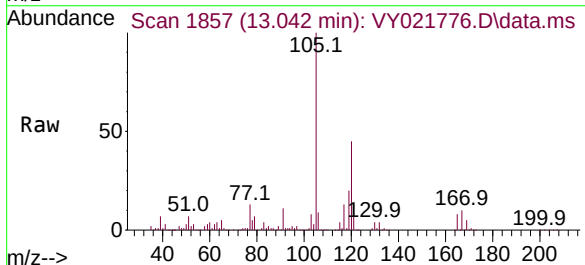
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

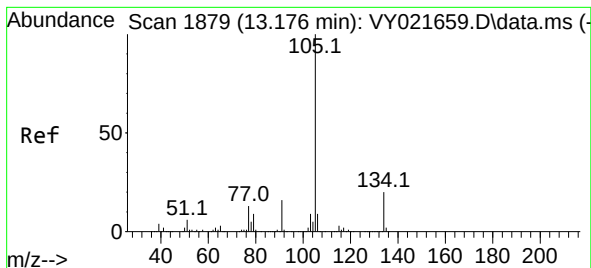
Tgt Ion:119 Resp: 422284
Ion Ratio Lower Upper
119 100
91 64.8 32.6 97.7
134 25.9 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 50.015 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 480654
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 49.626 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

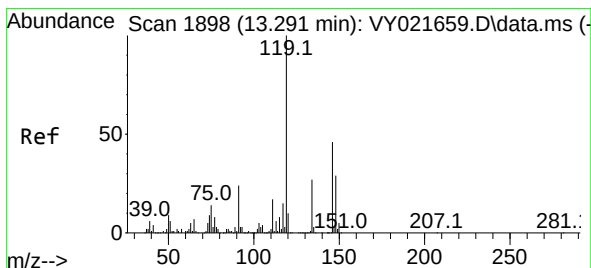
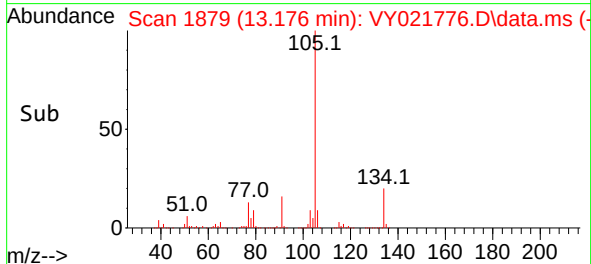
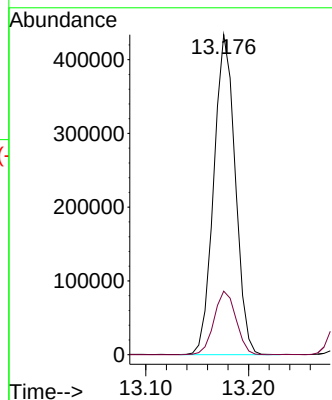
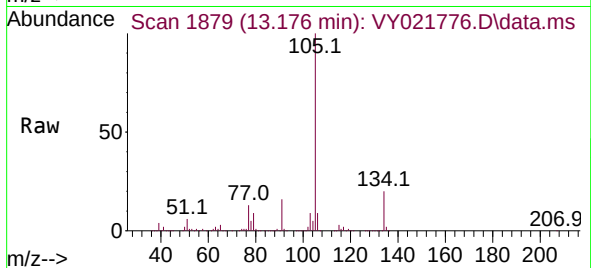
VSTDCCC050

Tgt Ion:105 Resp: 628096

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 50.469 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

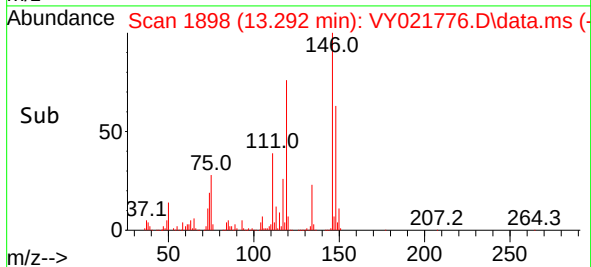
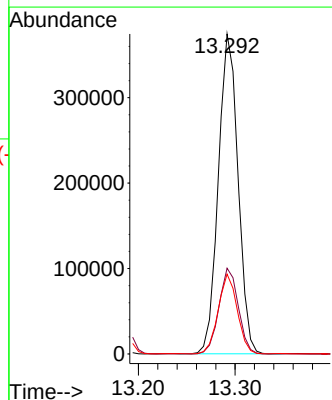
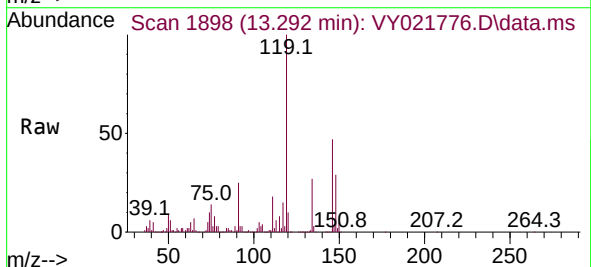
Tgt Ion:119 Resp: 527940

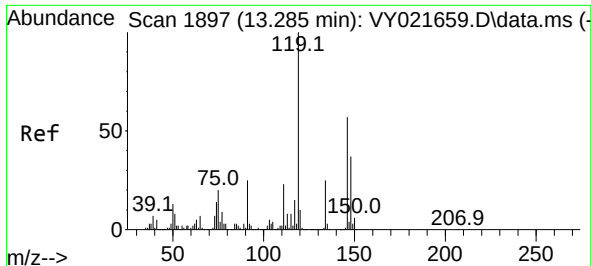
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 47.936 ug/l

RT: 13.292 min Scan# 1897

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

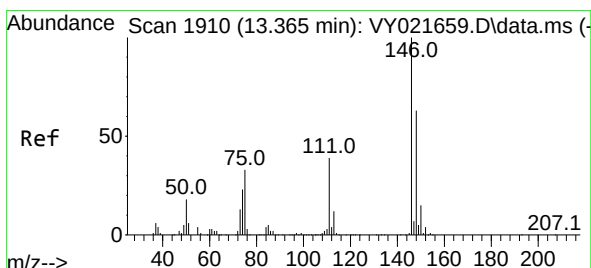
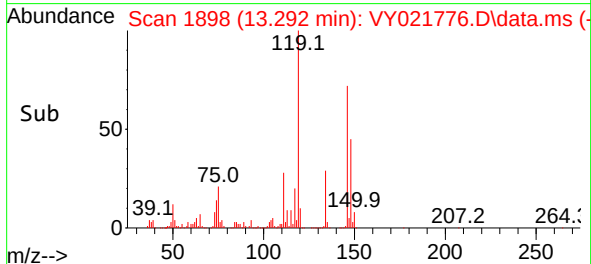
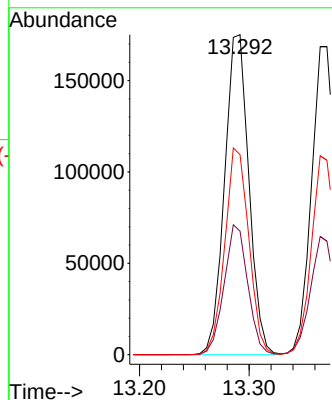
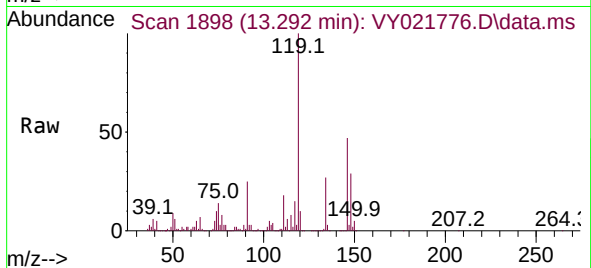
Tgt Ion:146 Resp: 269775

Ion Ratio Lower Upper

146 100

111 39.6 20.0 60.0

148 63.8 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 47.658 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

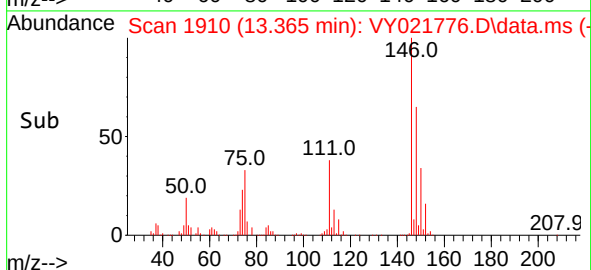
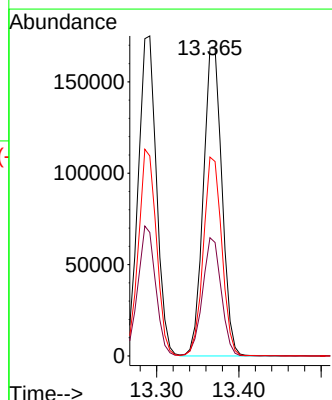
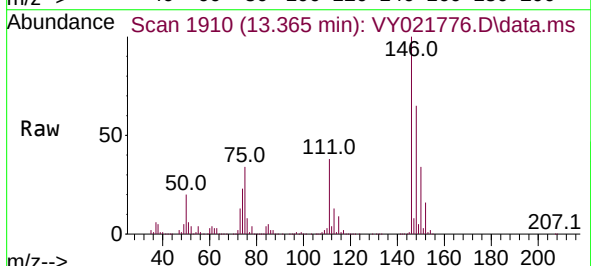
Tgt Ion:146 Resp: 264990

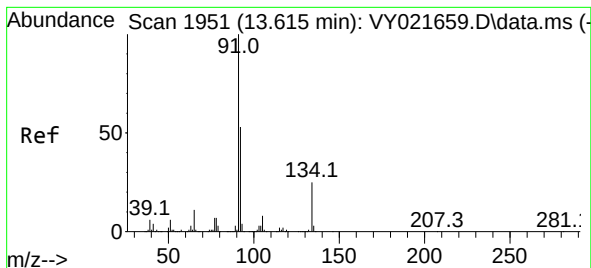
Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.1

148 64.1 31.5 94.5





#89

n-Butylbenzene

Concen: 50.346 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

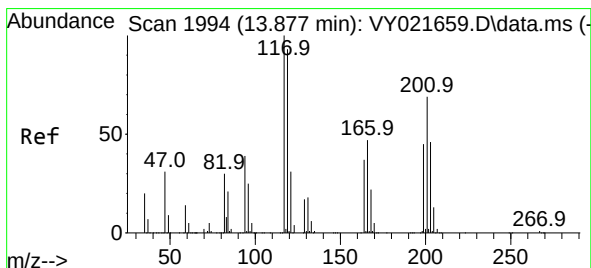
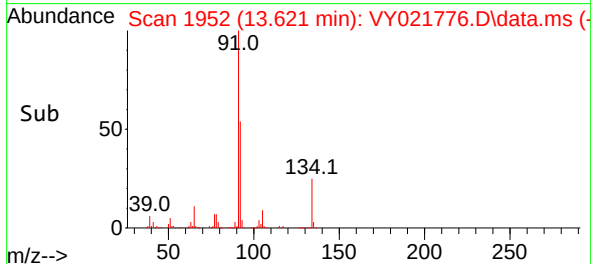
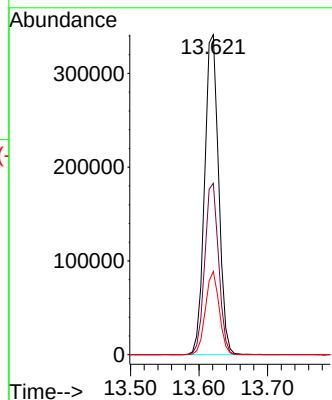
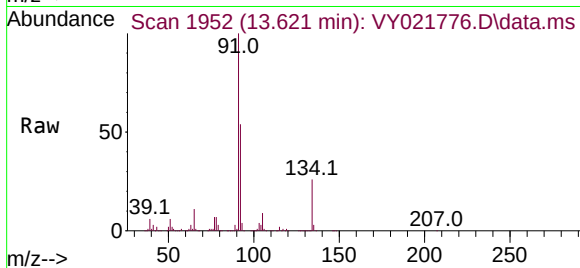
Tgt Ion: 91 Resp: 487055

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

134 25.5 12.8 38.4



#90

Hexachloroethane

Concen: 48.010 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021776.D

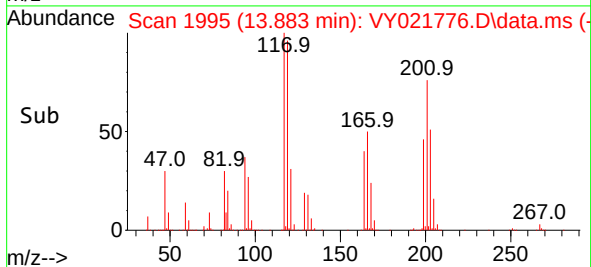
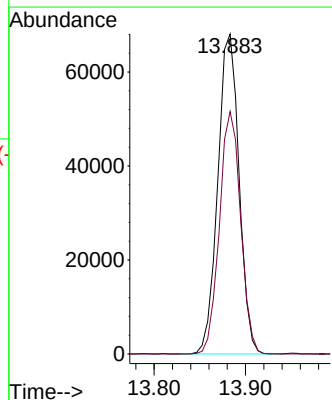
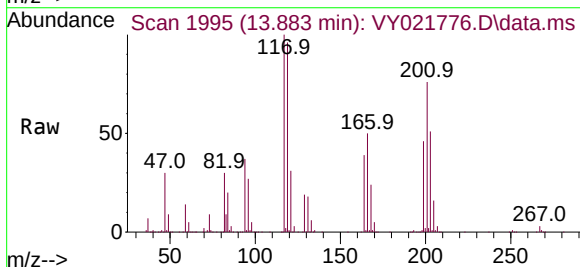
Acq: 04 Apr 2025 09:22

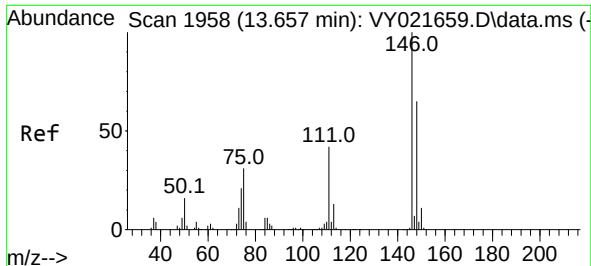
Tgt Ion: 117 Resp: 110054

Ion Ratio Lower Upper

117 100

201 75.4 37.4 112.1

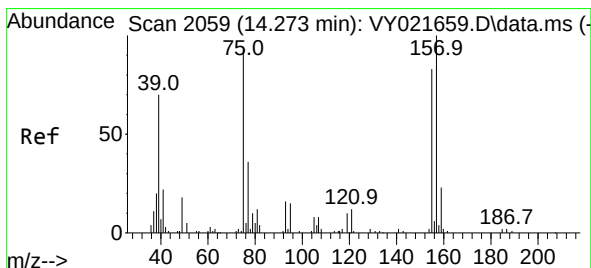
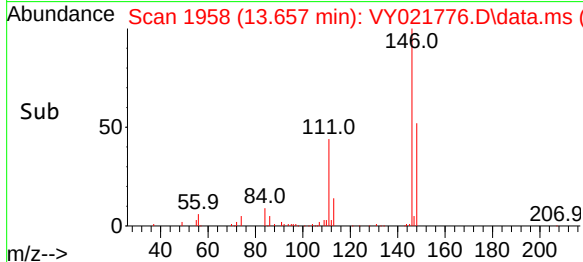
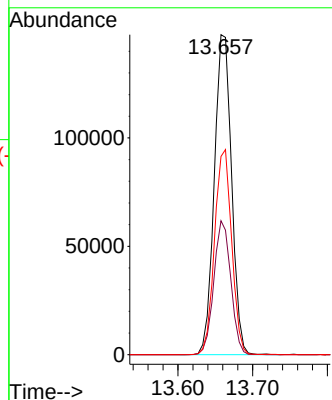
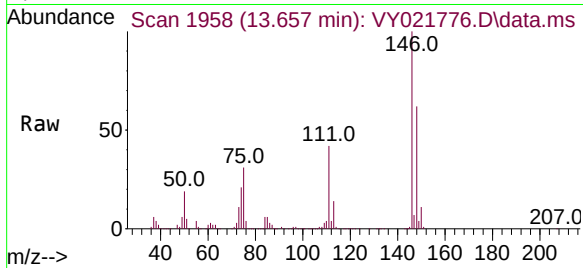




#91
1,2-Dichlorobenzene
Concen: 48.364 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

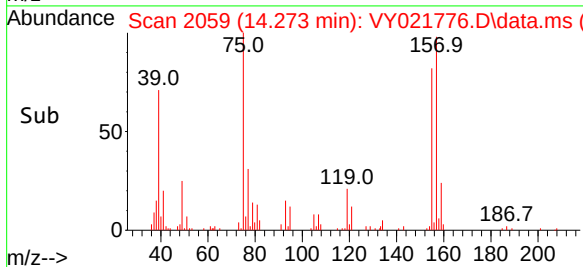
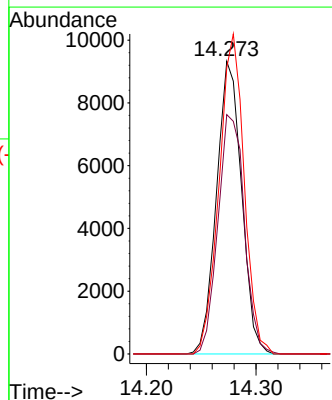
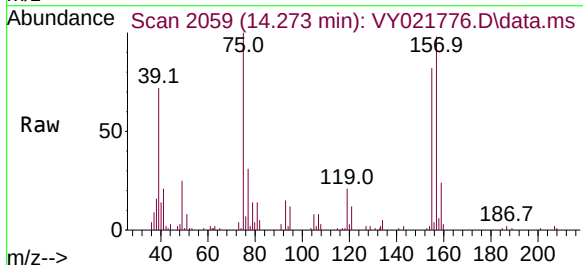
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

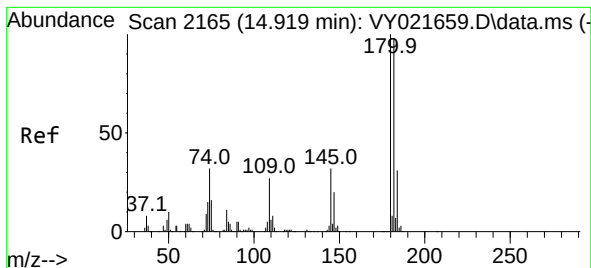
Tgt Ion:146 Resp: 236937
Ion Ratio Lower Upper
146 100
111 41.1 20.7 62.1
148 63.5 32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 14822
Ion Ratio Lower Upper
75 100
155 85.7 43.0 128.8
157 109.0 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 49.367 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

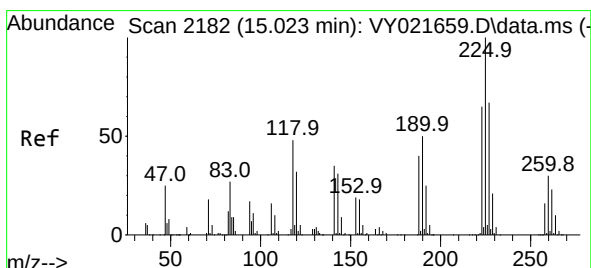
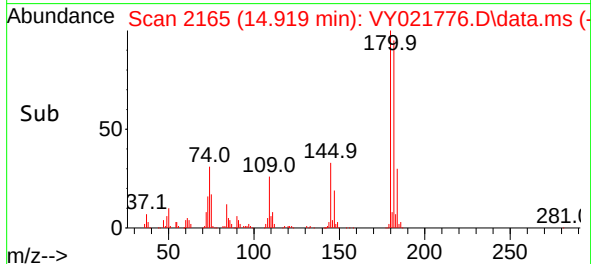
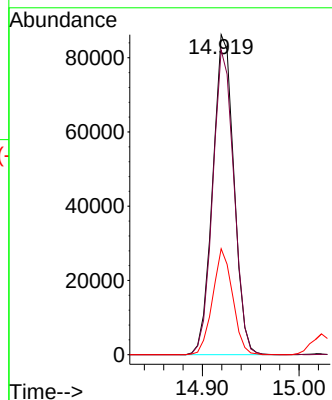
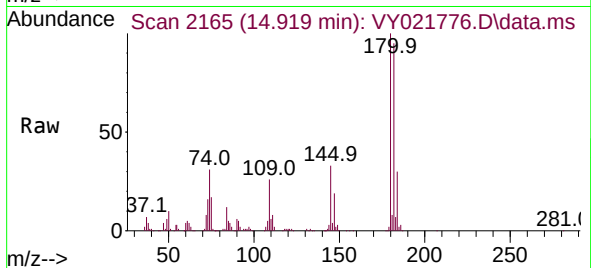
Tgt Ion:180 Resp: 131155

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.6

145 31.2 14.9 44.9



#94

Hexachlorobutadiene

Concen: 48.800 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021776.D

Acq: 04 Apr 2025 09:22

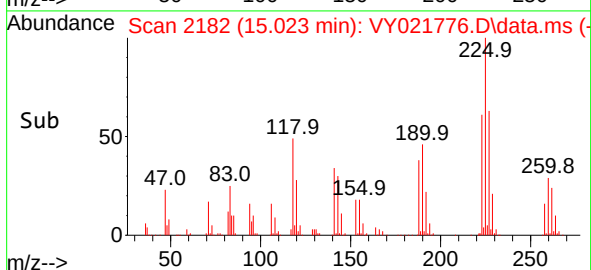
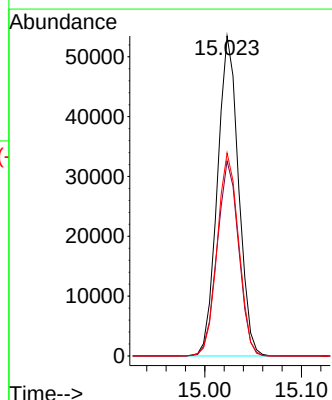
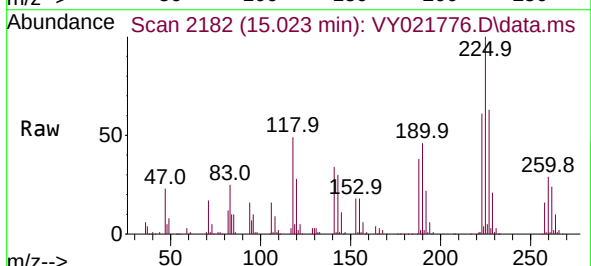
Tgt Ion:225 Resp: 80970

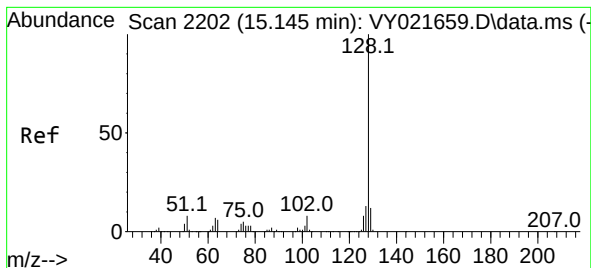
Ion Ratio Lower Upper

225 100

223 62.1 31.9 95.7

227 64.2 32.4 97.0

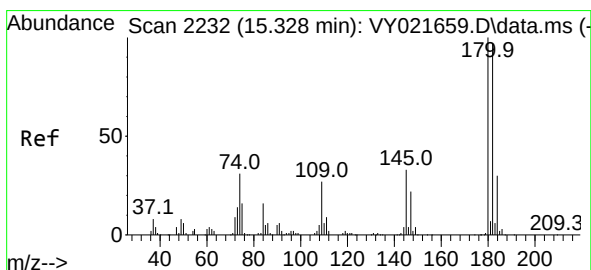
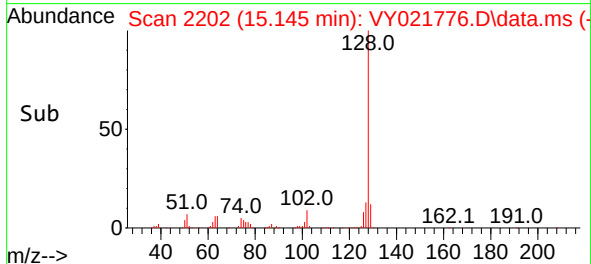
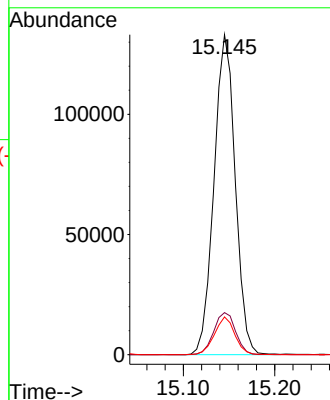
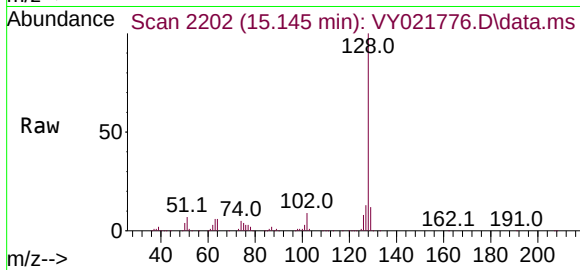




#95
Naphthalene
Concen: 48.786 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

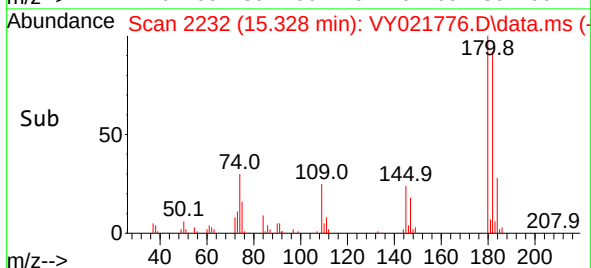
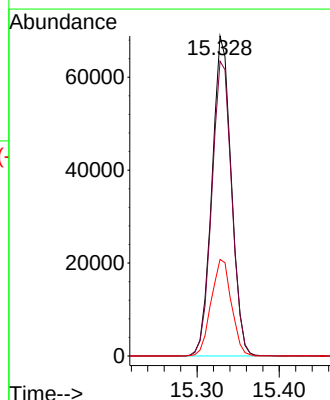
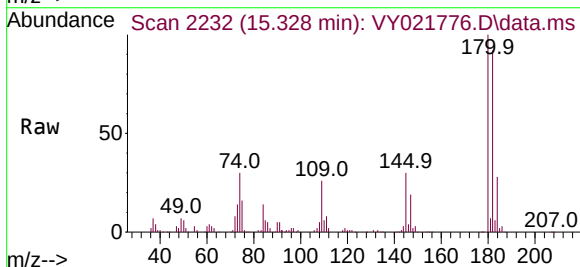
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 214835
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.730 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:180 Resp: 112664
Ion Ratio Lower Upper
180 100
182 94.8 47.5 142.5
145 31.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021778.D
 Acq On : 04 Apr 2025 10:26
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	212143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152811	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	120482	52.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.840%	
35) Dibromofluoromethane	7.634	113	115347	53.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.640%	
50) Toluene-d8	10.103	98	442990	53.826	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.660%	
62) 4-Bromofluorobenzene	12.408	95	147041	52.820	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.640%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	41144	18.712	ug/l	99
3) Chloromethane	2.068	50	58954	19.068	ug/l	99
4) Vinyl Chloride	2.202	62	65062	18.607	ug/l	97
5) Bromomethane	2.592	94	47976	20.117	ug/l	95
6) Chloroethane	2.732	64	43877	19.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	89235	19.922	ug/l	100
8) Diethyl Ether	3.458	74	22185	18.213	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	48570	20.560	ug/l	98
10) Methyl Iodide	4.000	142	44798	17.285	ug/l	99
11) Tert butyl alcohol	4.866	59	12244	82.013	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42906	19.282	ug/l	92
13) Acrolein	3.647	56	16463	60.392	ug/l	99
14) Allyl chloride	4.378	41	67265	18.959	ug/l	100
15) Acrylonitrile	5.055	53	45360	89.186	ug/l	99
16) Acetone	3.872	43	40290	85.648	ug/l	96
17) Carbon Disulfide	4.104	76	137006	18.693	ug/l	98
18) Methyl Acetate	4.391	43	20676	17.734	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	100727	18.182	ug/l	99
20) Methylene Chloride	4.616	84	49303	19.022	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	46460	18.963	ug/l	97
22) Diisopropyl ether	6.018	45	146797	19.724	ug/l	99
23) Vinyl Acetate	5.957	43	398090	91.434	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88158	19.810	ug/l	99
25) 2-Butanone	6.896	43	58346	86.838	ug/l	100
26) 2,2-Dichloropropane	6.884	77	79277	20.027	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53845	19.543	ug/l	98
28) Bromochloromethane	7.244	49	36923	19.673	ug/l	99
29) Tetrahydrofuran	7.262	42	37289	86.232	ug/l	99
30) Chloroform	7.421	83	91381	19.742	ug/l	98
31) Cyclohexane	7.701	56	79706	19.648	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	82677	19.763	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66538	20.193	ug/l	100
37) Ethyl Acetate	6.982	43	27198	17.489	ug/l	98
38) Carbon Tetrachloride	7.817	117	76509	20.272	ug/l	97
39) Methylcyclohexane	9.109	83	76412	19.412	ug/l	96
40) Benzene	8.079	78	195115	19.772	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021778.D
 Acq On : 04 Apr 2025 10:26
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	11393	13.795	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	54315	19.524	ug/l	99
43) Isopropyl Acetate	8.195	43	52154	17.697	ug/l	100
44) Trichloroethene	8.865	130	51288	20.398	ug/l	100
45) 1,2-Dichloropropane	9.140	63	46551	19.929	ug/l	93
46) Dibromomethane	9.231	93	25248	18.755	ug/l	99
47) Bromodichloromethane	9.420	83	68808	19.726	ug/l	97
48) Methyl methacrylate	9.219	41	23114	17.089	ug/l	96
49) 1,4-Dioxane	9.231	88	4846	336.031	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	135987	88.669	ug/l	99
52) Toluene	10.170	92	123058	19.987	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	59016	19.048	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	70388	19.257	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33954	19.599	ug/l	98
56) Ethyl methacrylate	10.438	69	40236	18.189	ug/l	98
57) 1,3-Dichloropropane	10.719	76	56667	18.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	102441	94.929	ug/l	99
59) 2-Hexanone	10.761	43	87999	86.157	ug/l	99
60) Dibromochloromethane	10.908	129	45764	19.348	ug/l	98
61) 1,2-Dibromoethane	11.011	107	31019	19.087	ug/l	98
64) Tetrachloroethene	10.646	164	57226	21.437	ug/l	100
65) Chlorobenzene	11.444	112	132663	19.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	48189	20.215	ug/l	99
67) Ethyl Benzene	11.517	91	225955	19.612	ug/l	100
68) m/p-Xylenes	11.627	106	172512	39.102	ug/l	100
69) o-Xylene	11.956	106	80655	19.805	ug/l	98
70) Styrene	11.969	104	133338	19.637	ug/l	99
71) Bromoform	12.133	173	25637	18.854	ug/l #	100
73) Isopropylbenzene	12.255	105	212669	18.738	ug/l	99
74) N-amyl acetate	12.072	43	42780	16.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	34853	17.080	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	48429	31.972	ug/l #	100
77) Bromobenzene	12.529	156	51842	19.024	ug/l	97
78) n-propylbenzene	12.597	91	266033	19.496	ug/l	100
79) 2-Chlorotoluene	12.682	91	151959	19.174	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	175739	18.945	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10734	16.328	ug/l	94
82) 4-Chlorotoluene	12.779	91	157038	19.006	ug/l	99
83) tert-Butylbenzene	12.999	119	153946	18.633	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	175765	19.171	ug/l	100
85) sec-Butylbenzene	13.176	105	233999	19.380	ug/l	100
86) p-Isopropyltoluene	13.292	119	193222	19.362	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	101973	18.993	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	100243	18.898	ug/l	97
89) n-Butylbenzene	13.621	91	176297	19.102	ug/l	98
90) Hexachloroethane	13.877	117	42163	19.280	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	89291	19.105	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5533	17.494	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	45347	17.892	ug/l	98
94) Hexachlorobutadiene	15.023	225	30393	19.201	ug/l	98
95) Naphthalene	15.145	128	66390	15.803	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38305	17.723	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

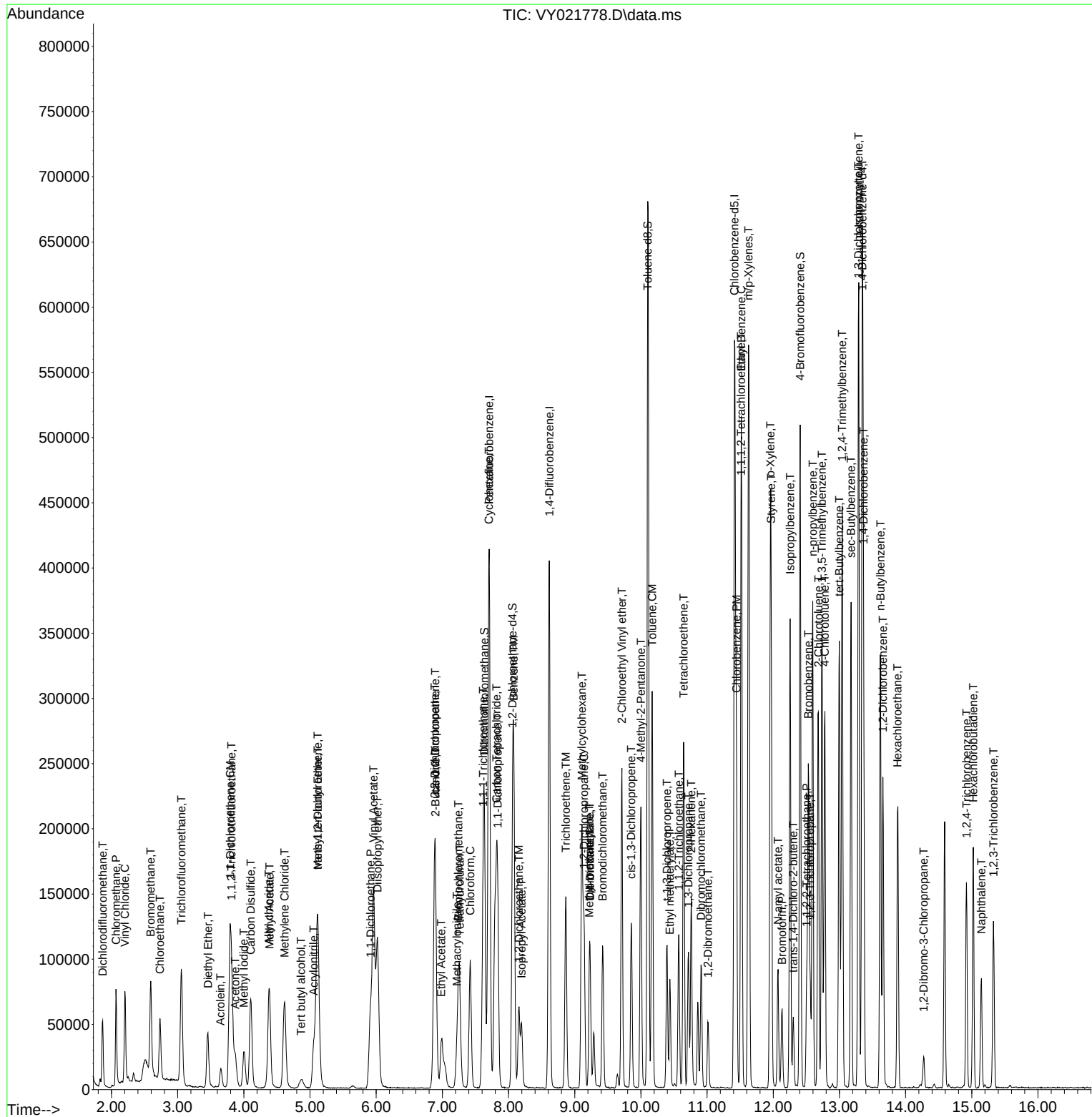
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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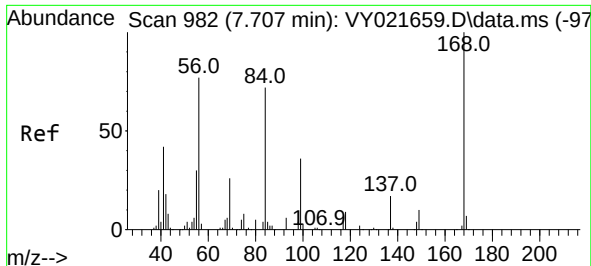
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021778.D
 Acq On : 04 Apr 2025 10:26
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

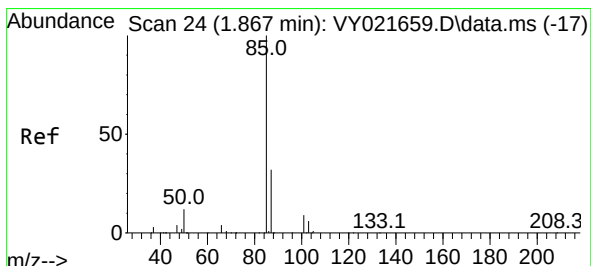
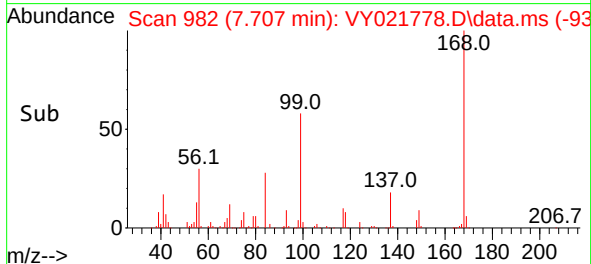
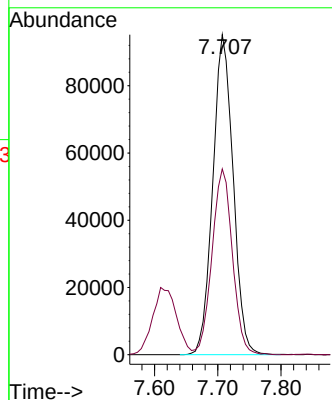
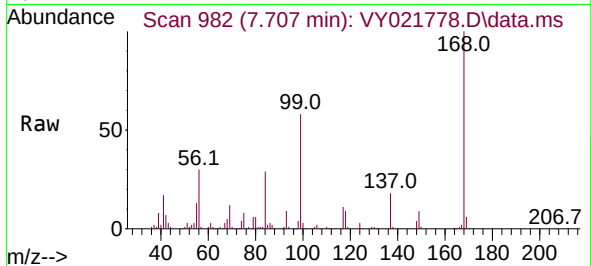




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

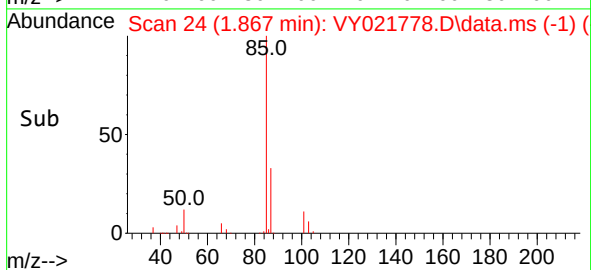
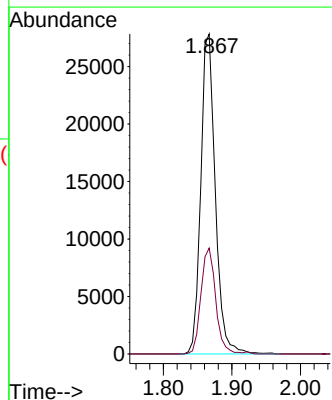
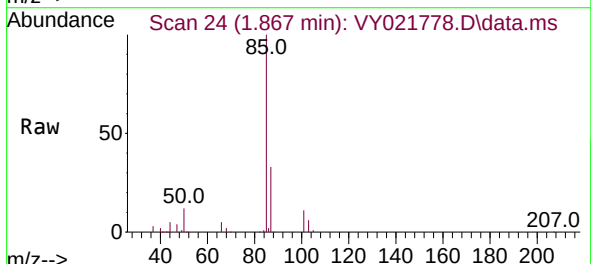
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

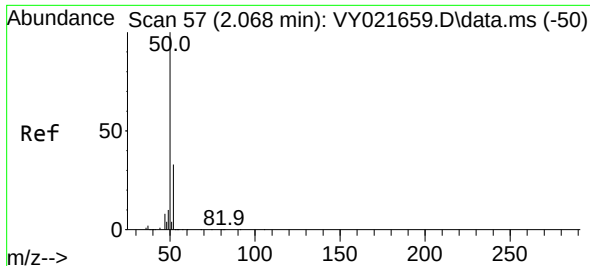
Tgt Ion:168 Resp: 212143
Ion Ratio Lower Upper
168 100
99 58.0 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 18.712 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 85 Resp: 41144
Ion Ratio Lower Upper
85 100
87 33.1 16.2 48.6

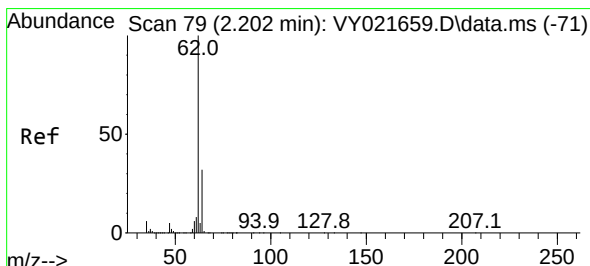
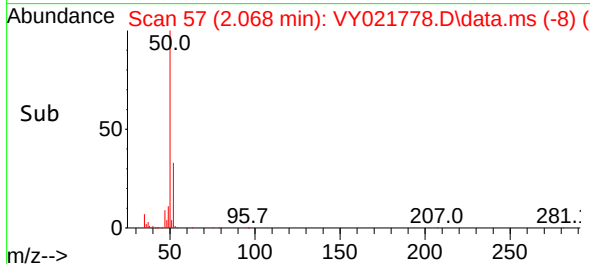
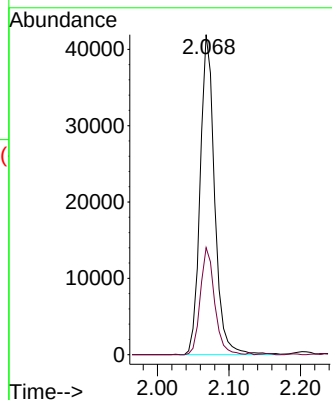
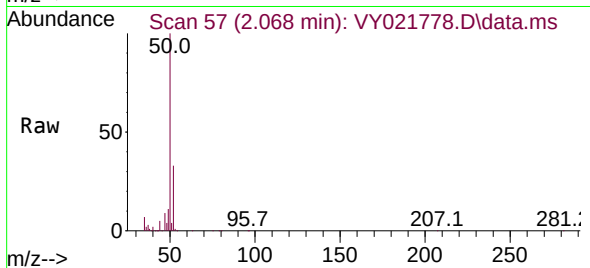




#3
Chloromethane
Concen: 19.068 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

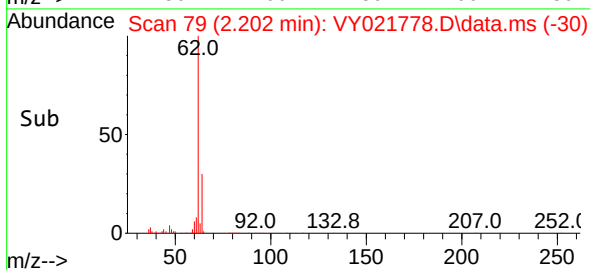
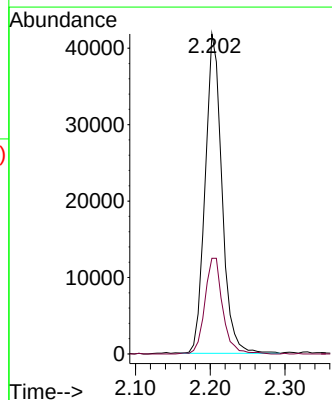
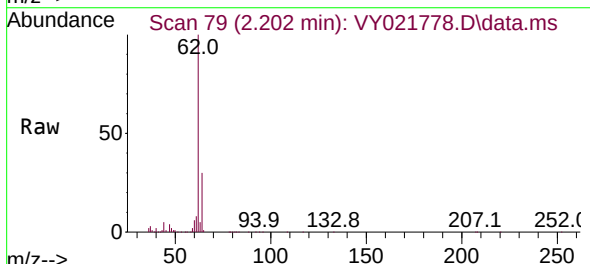
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

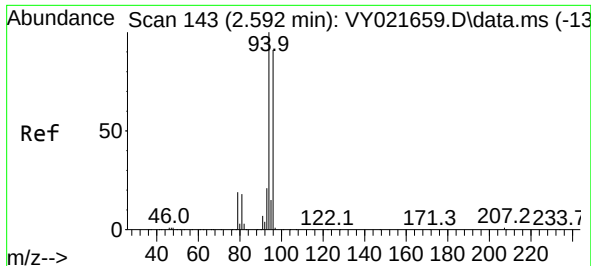
Tgt Ion: 50 Resp: 58954
Ion Ratio Lower Upper
50 100
52 33.4 26.3 39.5



#4
Vinyl Chloride
Concen: 18.607 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 62 Resp: 65062
Ion Ratio Lower Upper
62 100
64 30.0 25.5 38.3

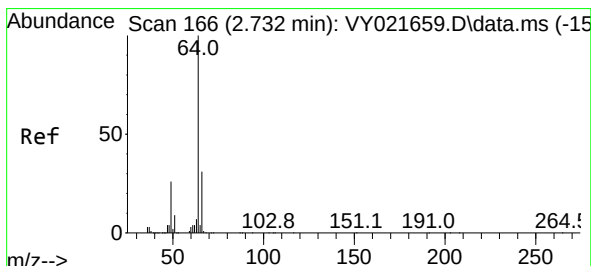
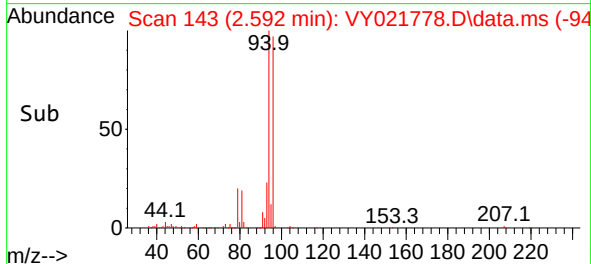
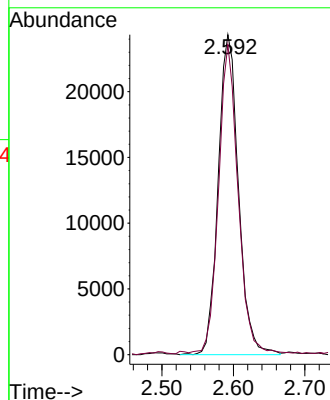
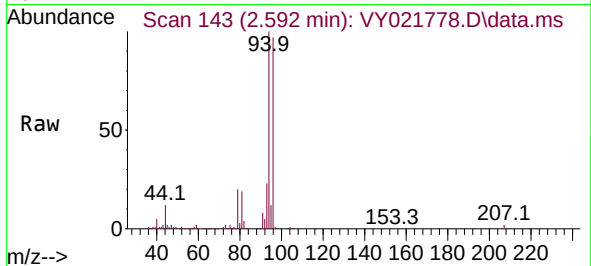




#5
Bromomethane
Concen: 20.117 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

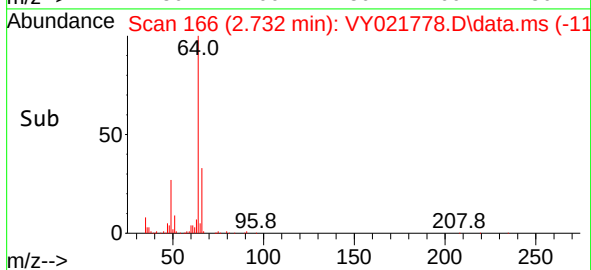
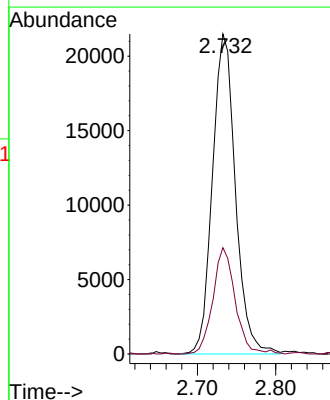
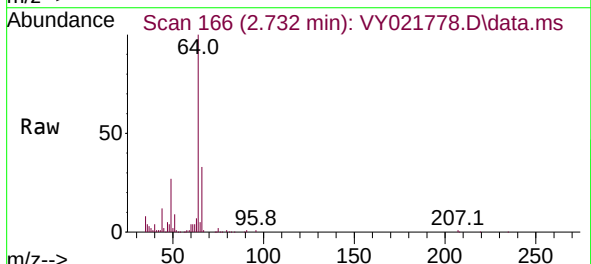
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

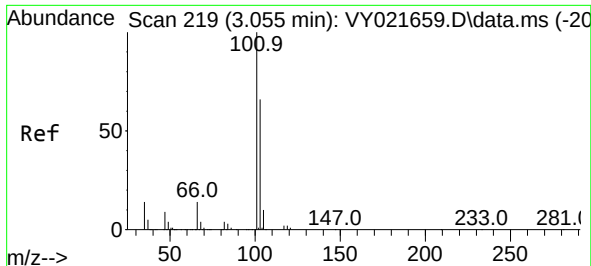
Tgt Ion: 94 Resp: 47976
Ion Ratio Lower Upper
94 100
96 96.1 72.8 109.2



#6
Chloroethane
Concen: 19.177 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 64 Resp: 43877
Ion Ratio Lower Upper
64 100
66 33.2 24.9 37.3

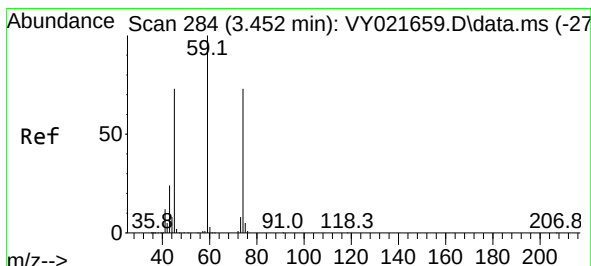
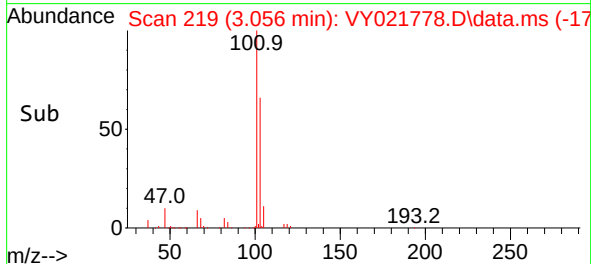
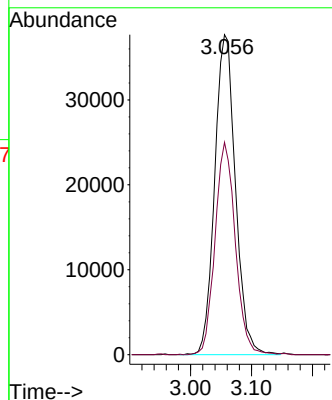
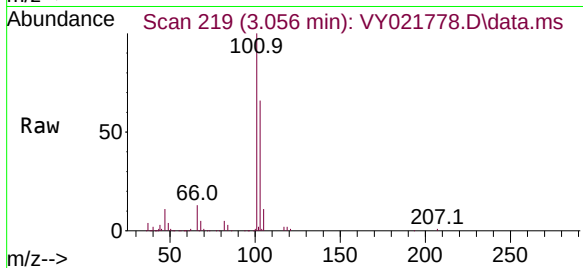




#7
Trichlorofluoromethane
Concen: 19.922 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

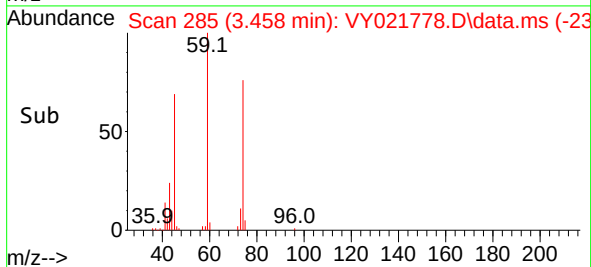
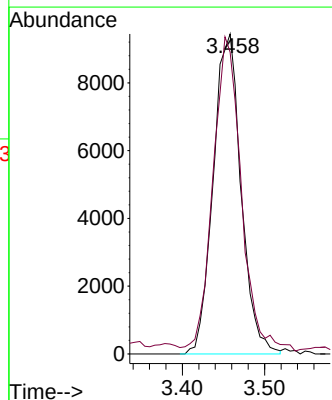
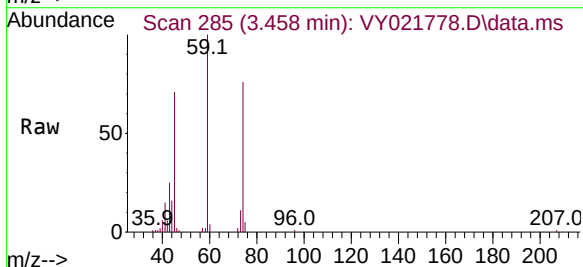
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

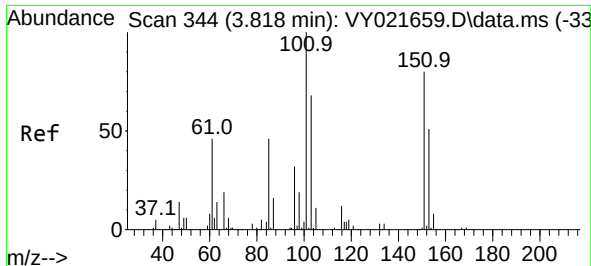
Tgt Ion:101 Resp: 89235
Ion Ratio Lower Upper
101 100
103 66.2 53.1 79.7



#8
Diethyl Ether
Concen: 18.213 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 74 Resp: 22185
Ion Ratio Lower Upper
74 100
45 98.2 48.6 145.8

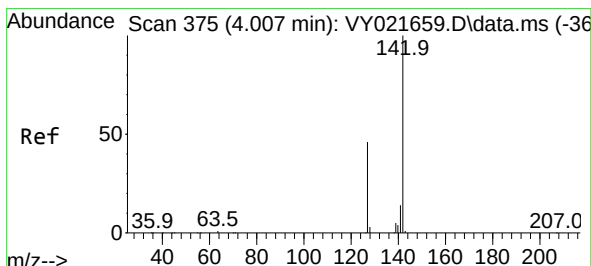
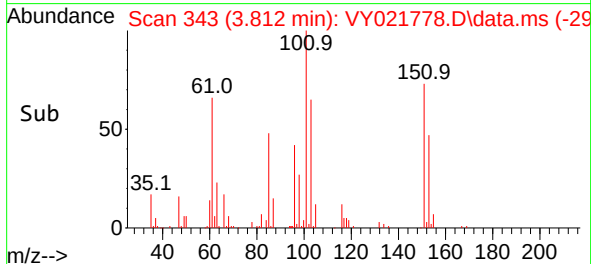
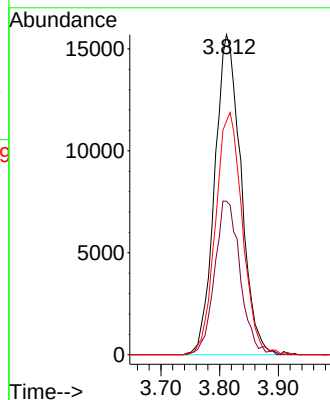
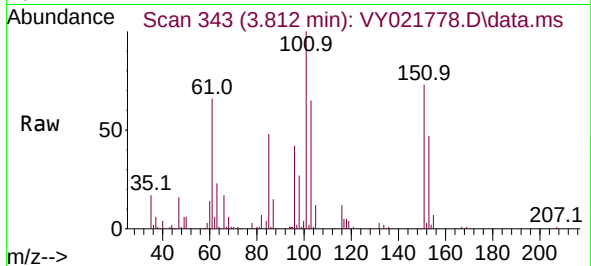




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.560 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

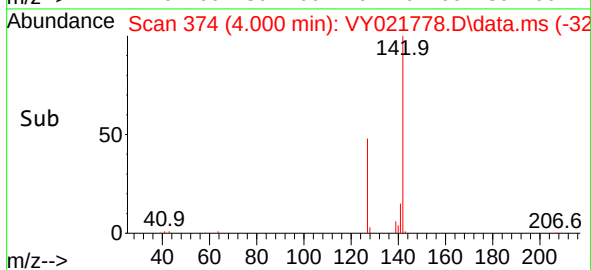
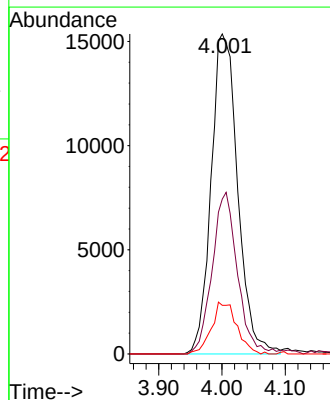
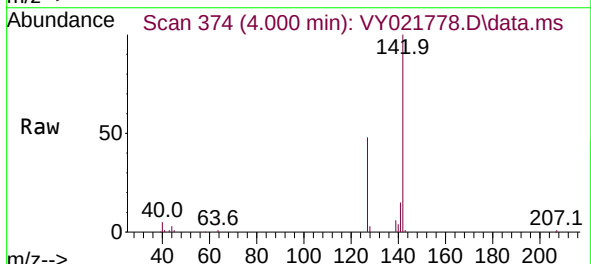
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

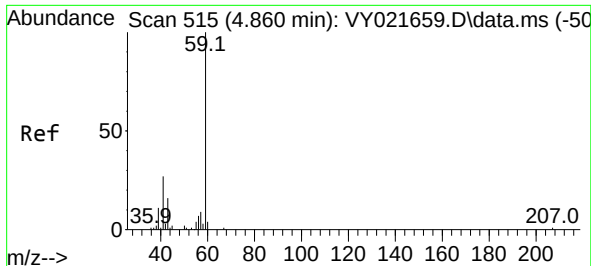
Tgt Ion:101 Resp: 48570
Ion Ratio Lower Upper
101 100
85 46.9 36.3 54.5
151 77.7 61.3 91.9



#10
Methyl Iodide
Concen: 17.285 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:142 Resp: 44798
Ion Ratio Lower Upper
142 100
127 48.1 38.7 58.1
141 15.4 11.5 17.3

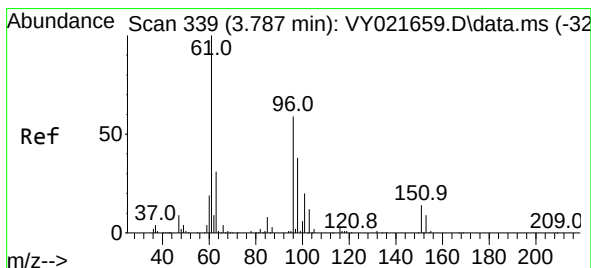
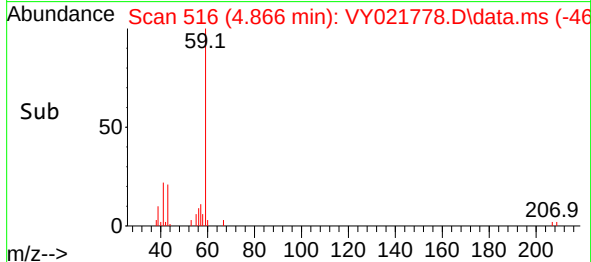
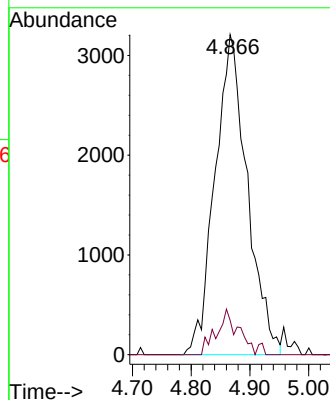
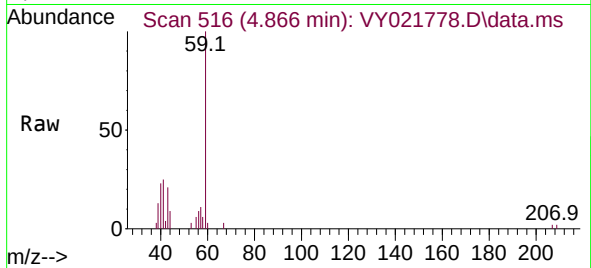




#11
Tert butyl alcohol
Concen: 82.013 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

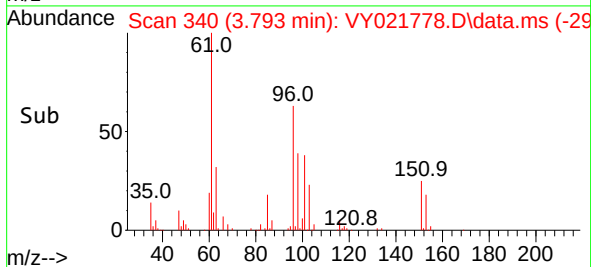
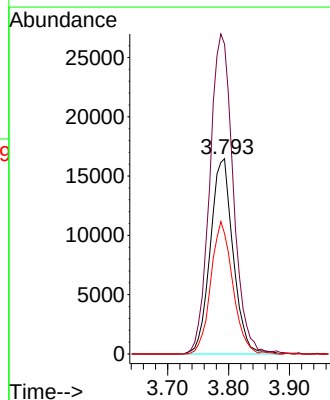
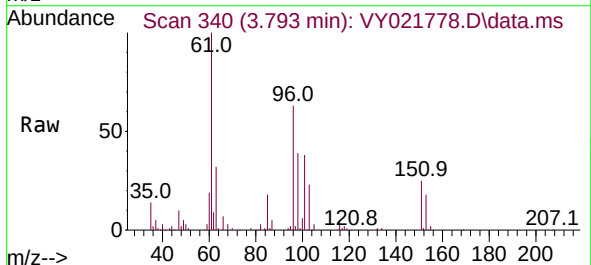
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

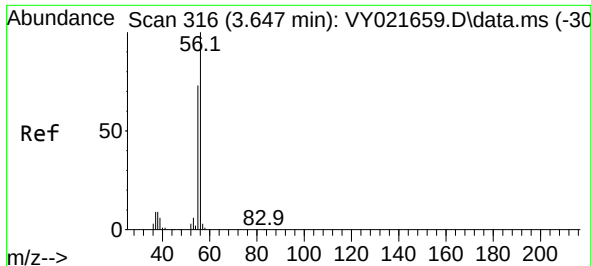
Tgt Ion: 59 Resp: 12244
Ion Ratio Lower Upper
59 100
57 9.5 9.2 13.8



#12
1,1-Dichloroethene
Concen: 19.282 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 96 Resp: 42906
Ion Ratio Lower Upper
96 100
61 158.8 136.6 204.8
98 61.7 52.3 78.5





#13

Acrolein

Concen: 60.392 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

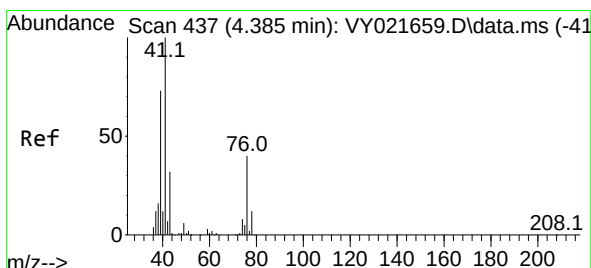
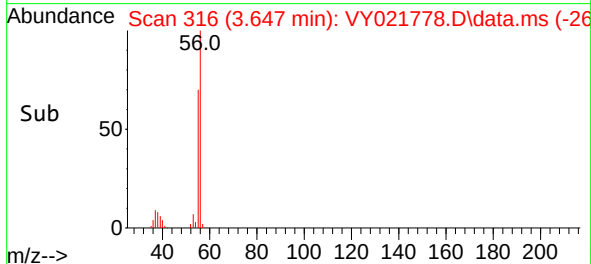
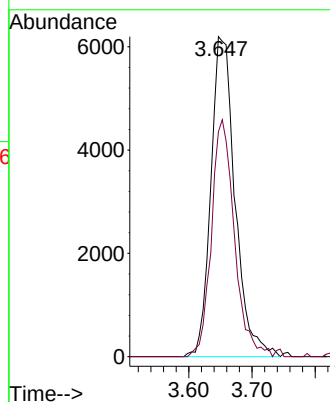
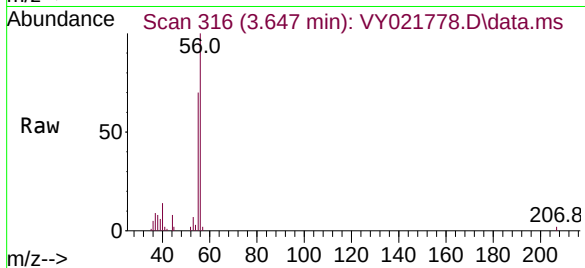
VY0404SBS01

Tgt Ion: 56 Resp: 16463

Ion Ratio Lower Upper

56 100

55 70.1 56.6 85.0



#14

Allyl chloride

Concen: 18.959 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

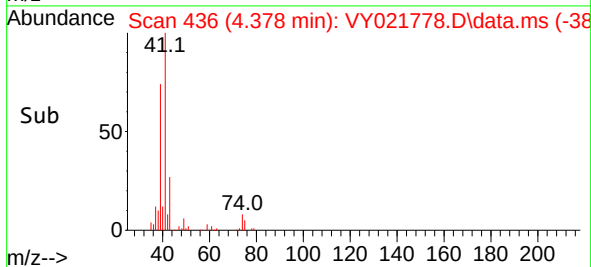
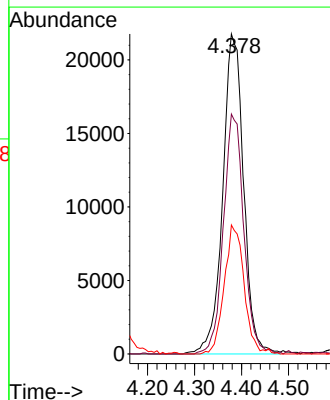
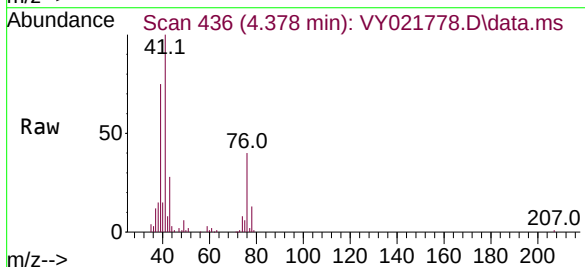
Tgt Ion: 41 Resp: 67265

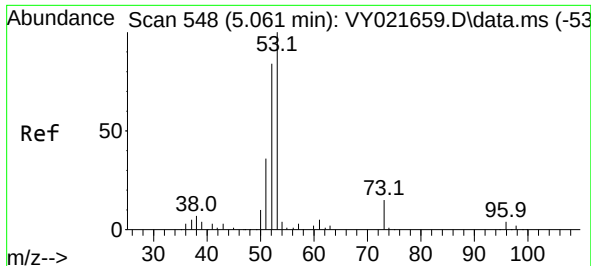
Ion Ratio Lower Upper

41 100

39 73.1 58.6 88.0

76 38.4 30.3 45.5

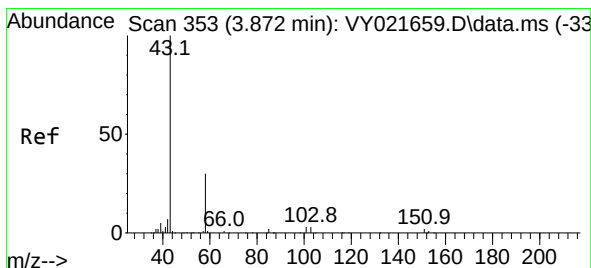
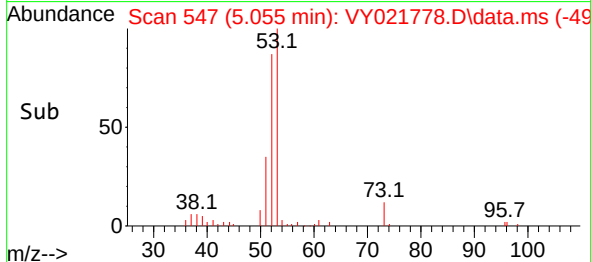
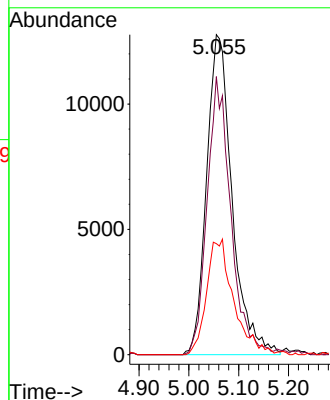
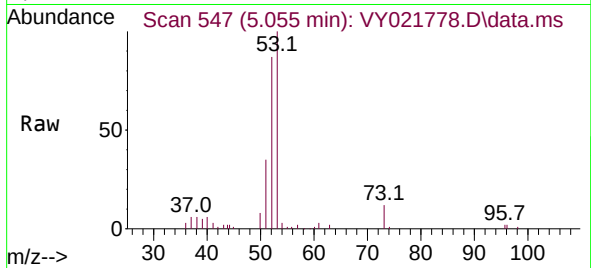




#15
Acrylonitrile
Concen: 89.186 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

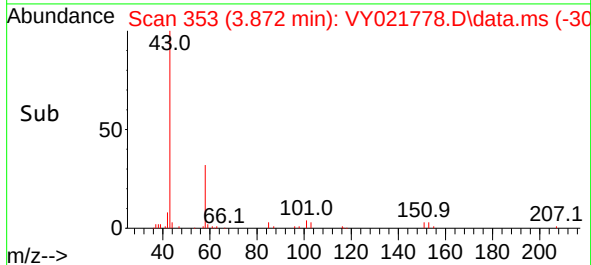
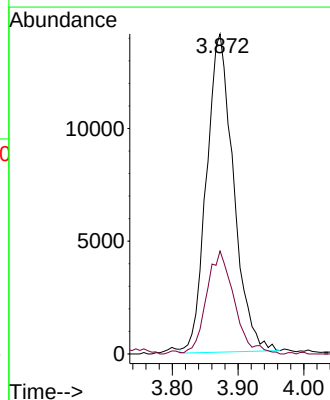
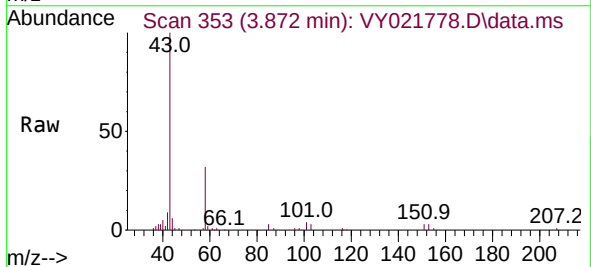
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

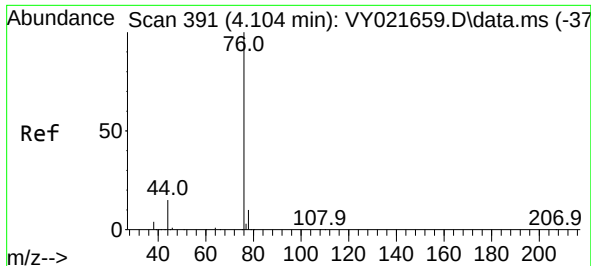
Tgt Ion: 53 Resp: 45360
Ion Ratio Lower Upper
53 100
52 80.4 64.9 97.3
51 38.2 30.2 45.2



#16
Acetone
Concen: 85.648 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 40290
Ion Ratio Lower Upper
43 100
58 32.5 24.2 36.4

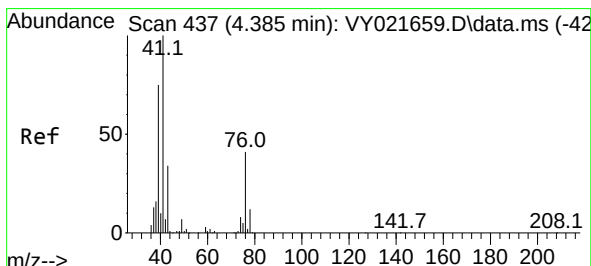
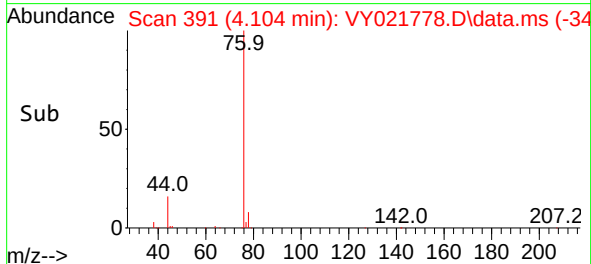
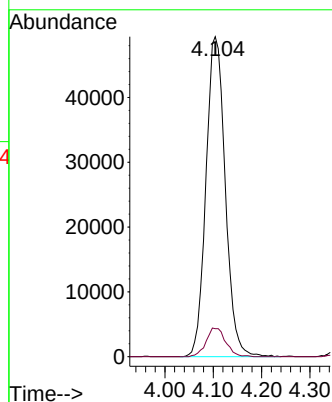
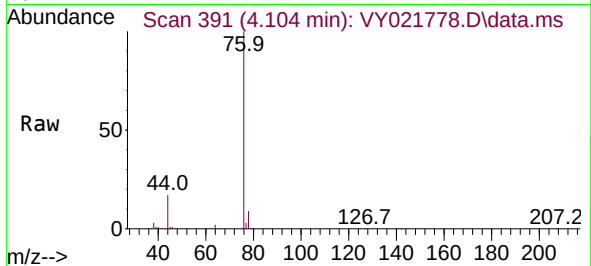




#17
Carbon Disulfide
Concen: 18.693 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

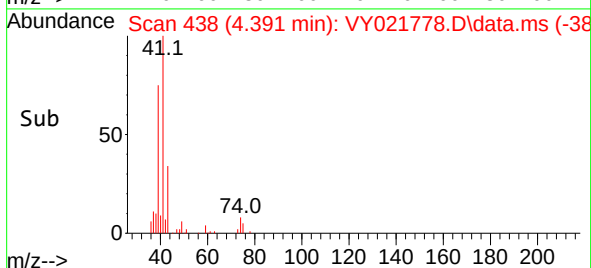
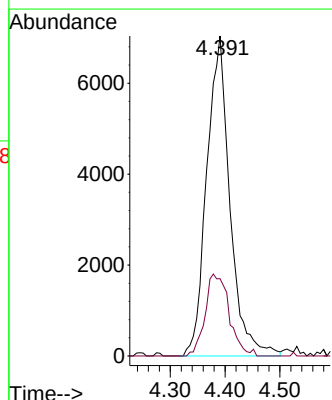
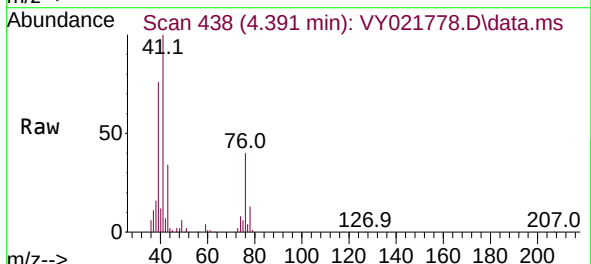
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

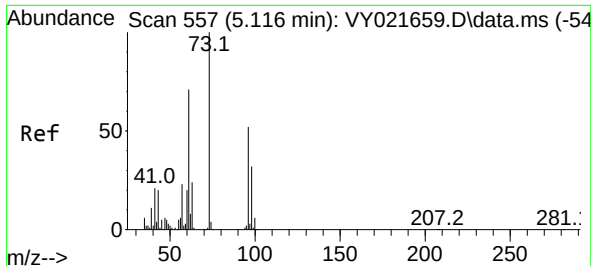
Tgt Ion: 76 Resp: 137006
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#18
Methyl Acetate
Concen: 17.734 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 20676
Ion Ratio Lower Upper
43 100
74 26.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.182 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

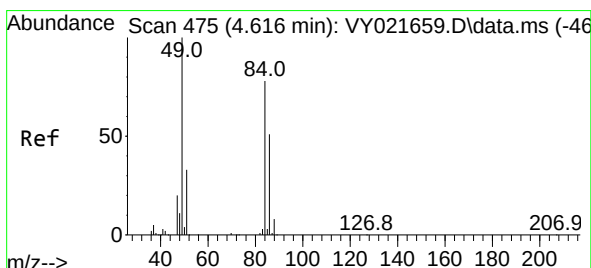
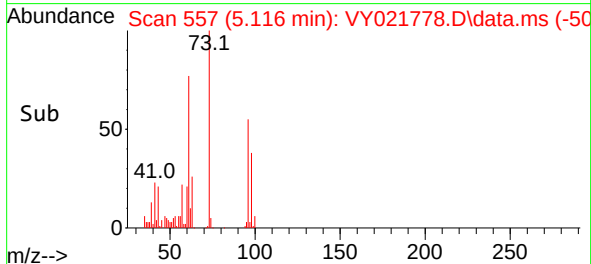
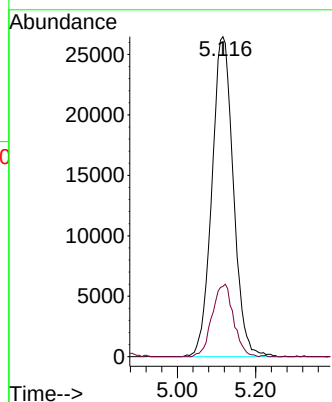
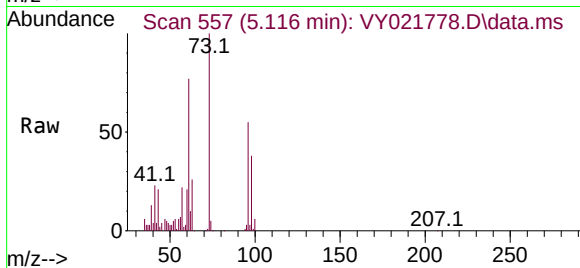
VY0404SBS01

Tgt Ion: 73 Resp: 100727

Ion Ratio Lower Upper

73 100

57 21.9 18.1 27.1



#20

Methylene Chloride

Concen: 19.022 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Tgt Ion: 84 Resp: 49303

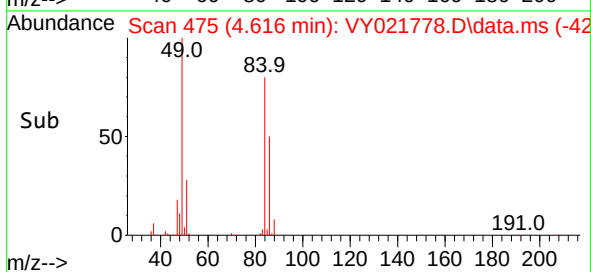
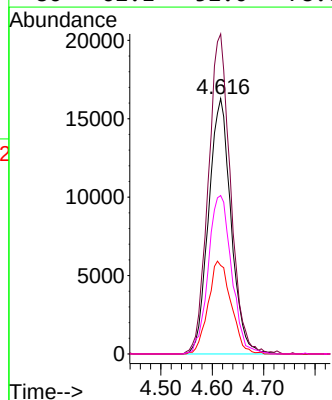
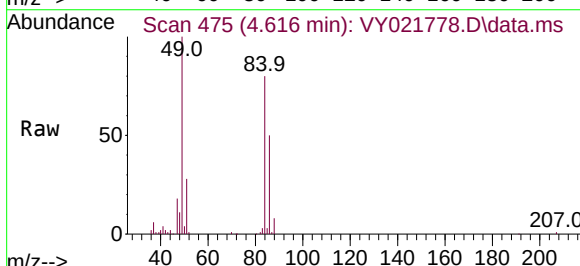
Ion Ratio Lower Upper

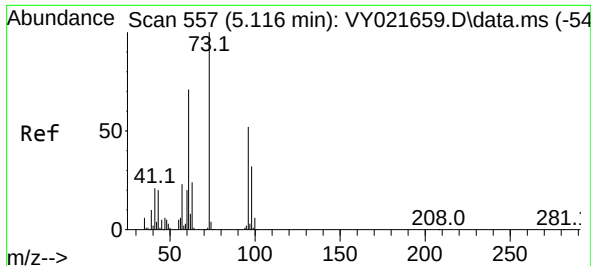
84 100

49 125.3 102.8 154.2

51 34.7 33.5 50.3

86 62.1 52.0 78.0

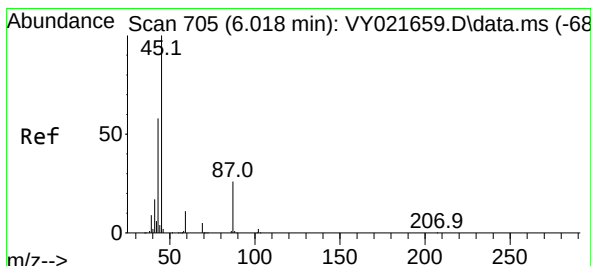
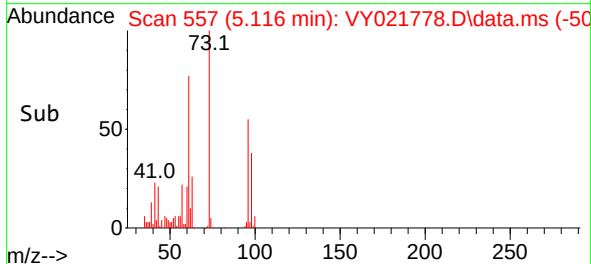
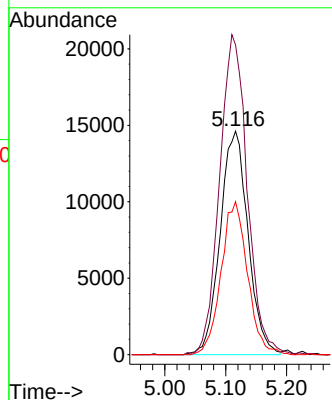
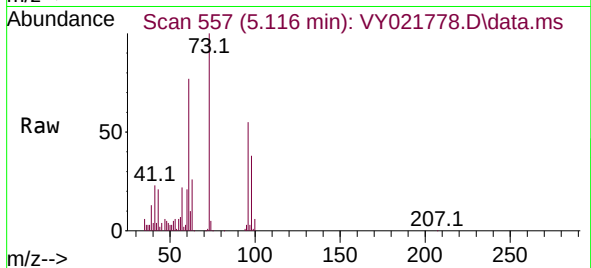




#21
trans-1,2-Dichloroethene
Concen: 18.963 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

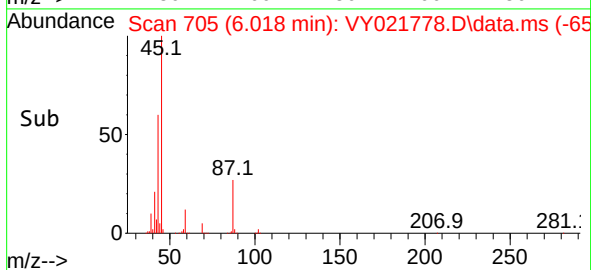
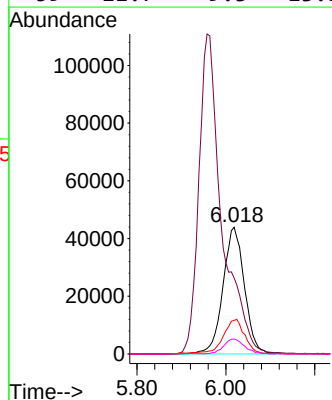
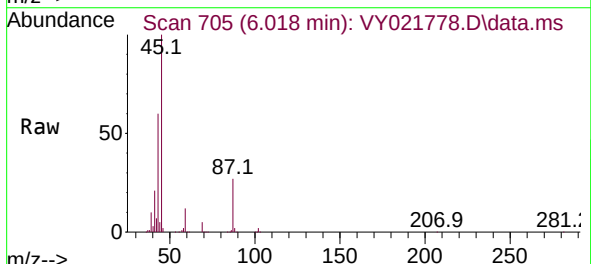
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

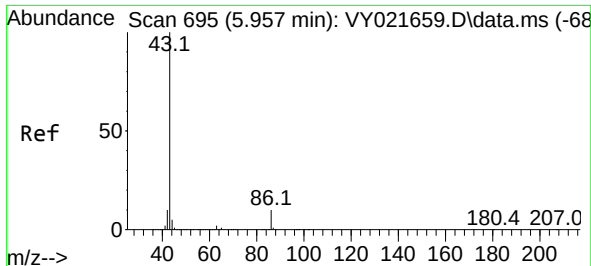
Tgt Ion: 96 Resp: 46460
Ion Ratio Lower Upper
96 100
61 138.6 109.4 164.0
98 68.4 50.2 75.2



#22
Diisopropyl ether
Concen: 19.724 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 45 Resp: 146797
Ion Ratio Lower Upper
45 100
43 59.3 46.6 69.8
87 26.3 20.7 31.1
59 11.7 9.3 13.9

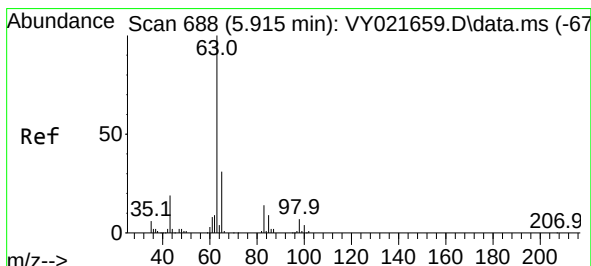
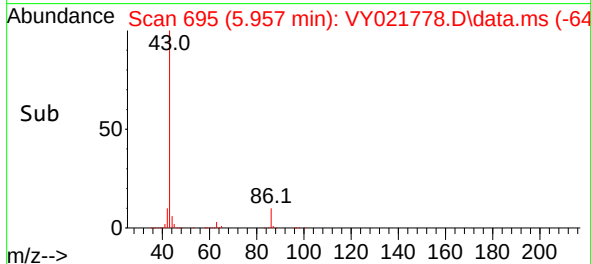
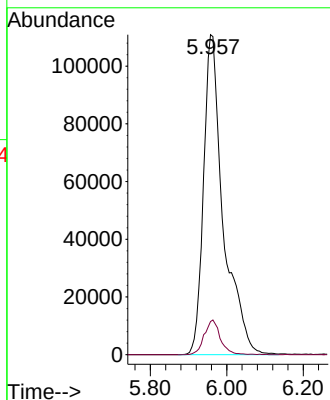
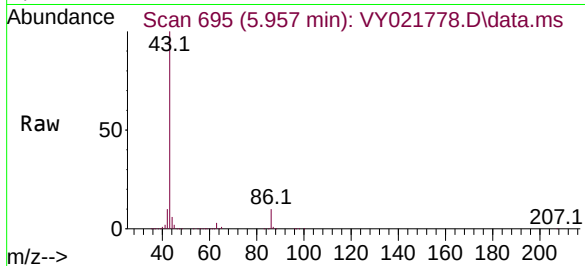




#23
 Vinyl Acetate
 Concen: 91.434 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021778.D
 Acq: 04 Apr 2025 10:26

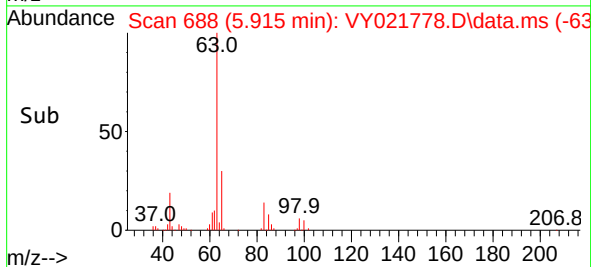
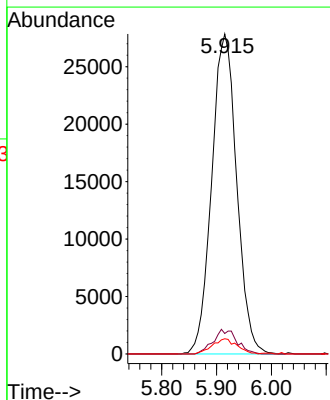
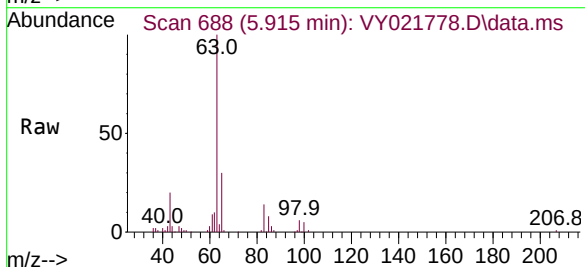
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

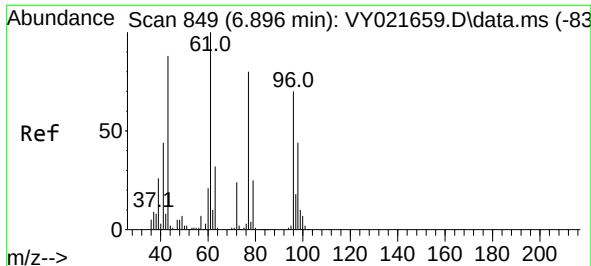
Tgt Ion: 43 Resp: 398090
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 19.810 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021778.D
 Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 88158
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.7 2.2 6.6

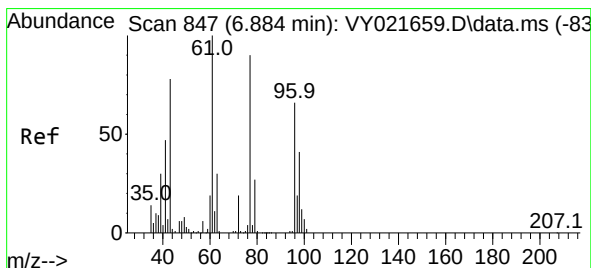
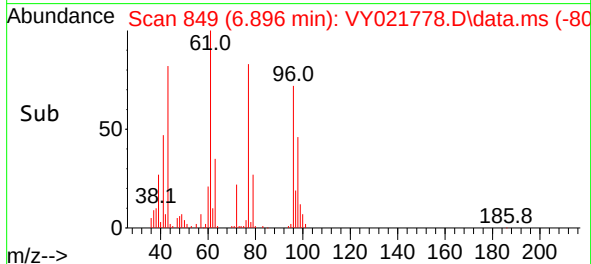
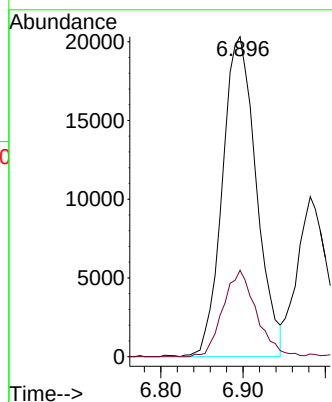
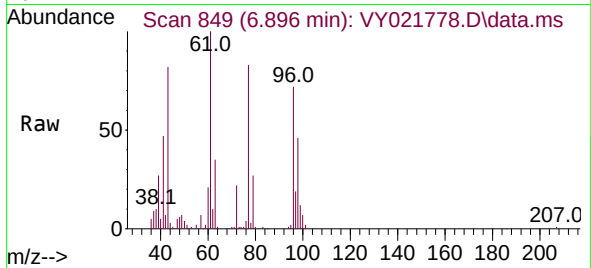




#25
2-Butanone
Concen: 86.838 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

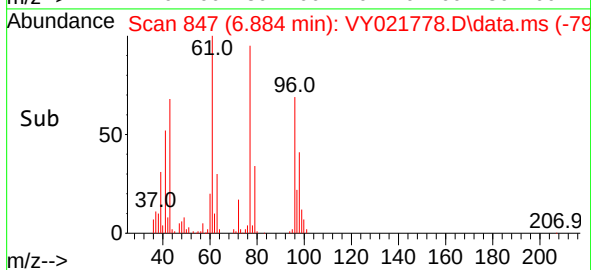
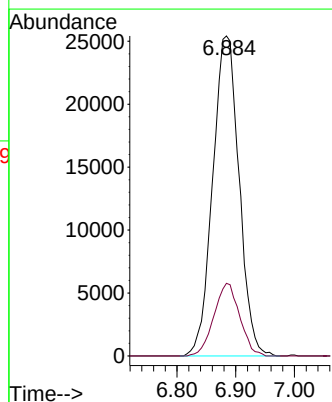
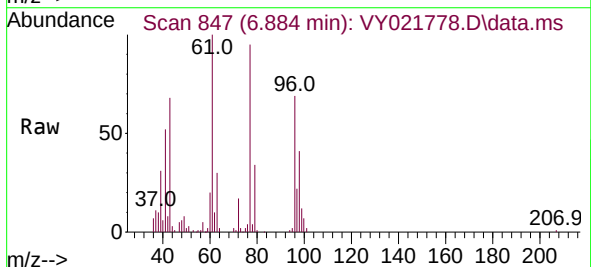
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

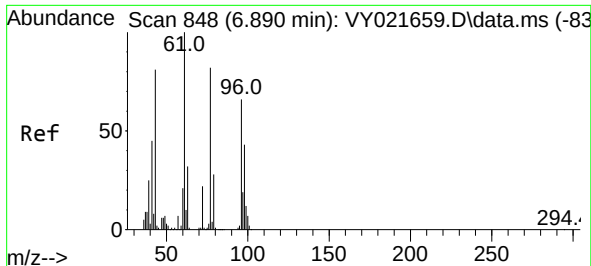
Tgt Ion: 43 Resp: 58346
Ion Ratio Lower Upper
43 100
72 27.0 21.4 32.2



#26
2,2-Dichloropropane
Concen: 20.027 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 77 Resp: 79277
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.1

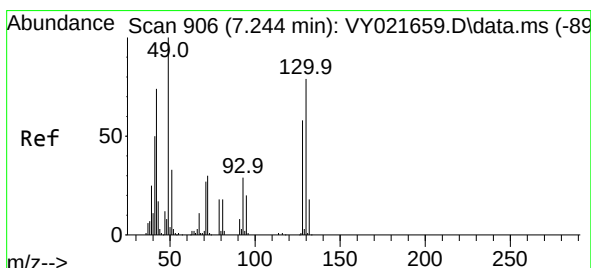
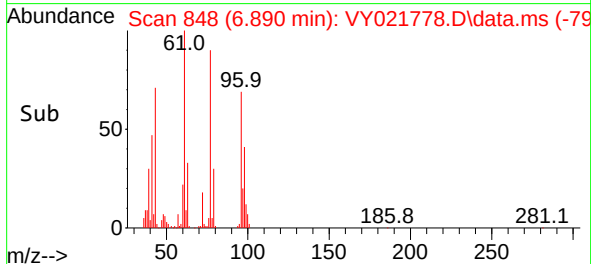
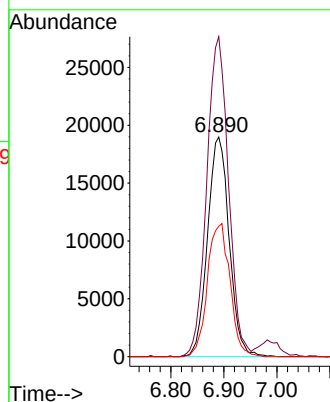
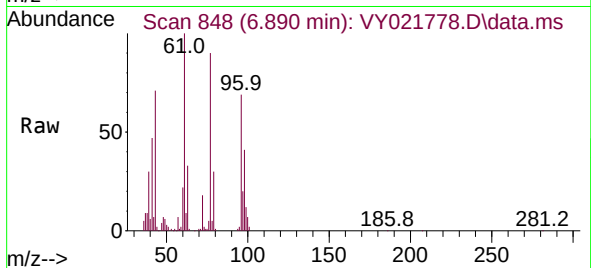




#27
cis-1,2-Dichloroethene
Concen: 19.543 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

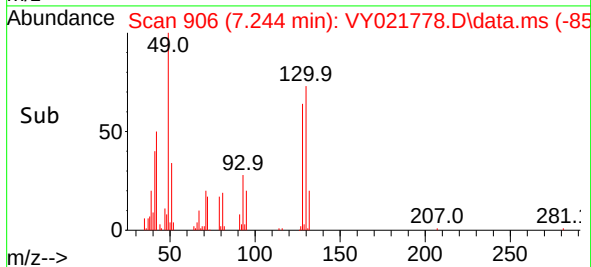
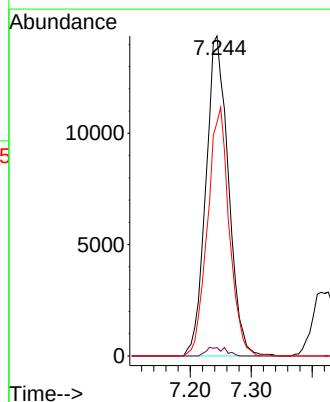
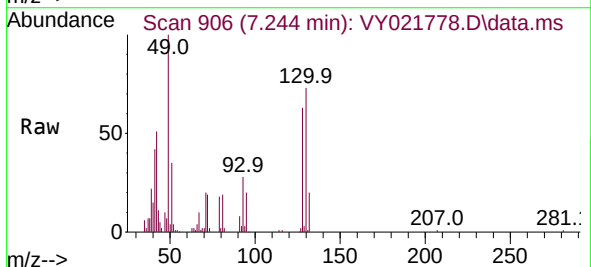
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

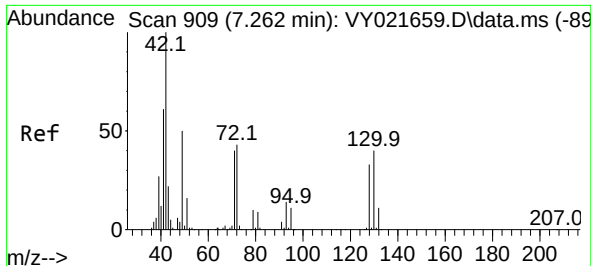
Tgt Ion: 96 Resp: 53845
Ion Ratio Lower Upper
96 100
61 146.0 0.0 296.4
98 63.1 0.0 128.0



#28
Bromochloromethane
Concen: 19.673 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 49 Resp: 36923
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 74.5 60.1 90.1





#29

Tetrahydrofuran

Concen: 86.232 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

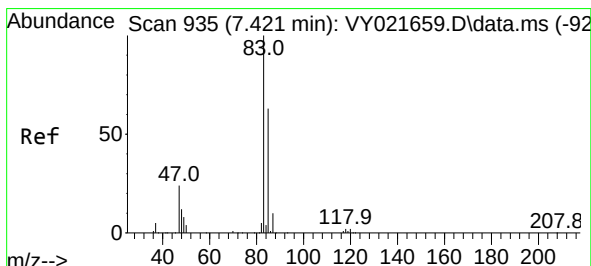
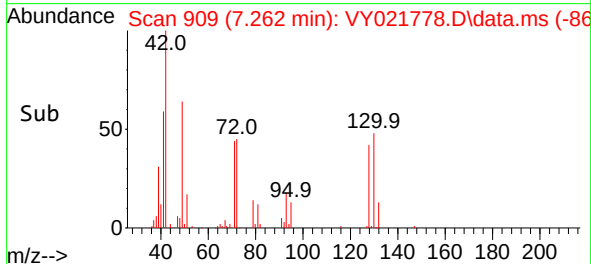
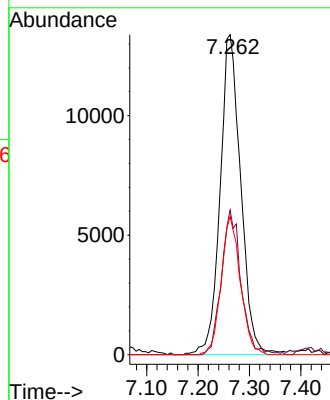
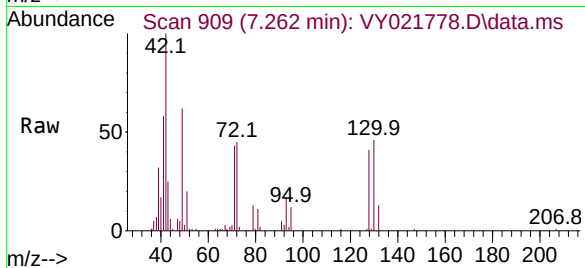
Tgt Ion: 42 Resp: 37289

Ion Ratio Lower Upper

42 100

72 42.9 34.6 52.0

71 40.2 32.5 48.7



#30

Chloroform

Concen: 19.742 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021778.D

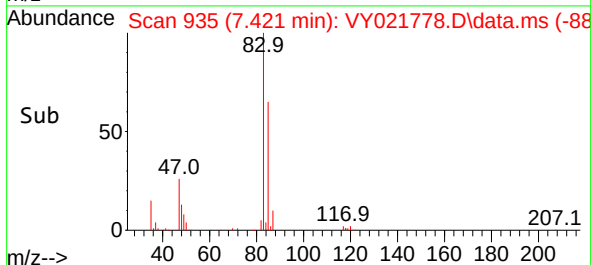
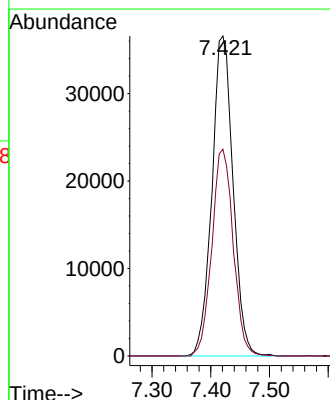
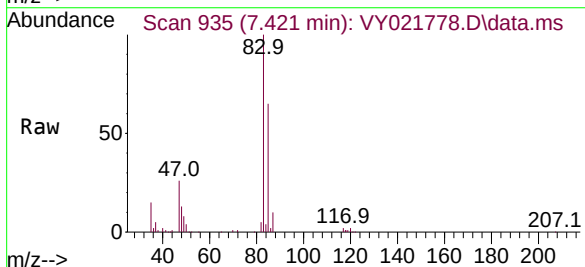
Acq: 04 Apr 2025 10:26

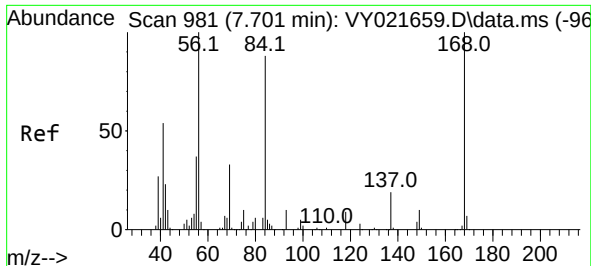
Tgt Ion: 83 Resp: 91381

Ion Ratio Lower Upper

83 100

85 64.6 50.6 75.8

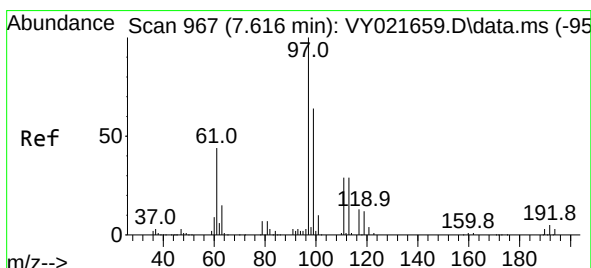
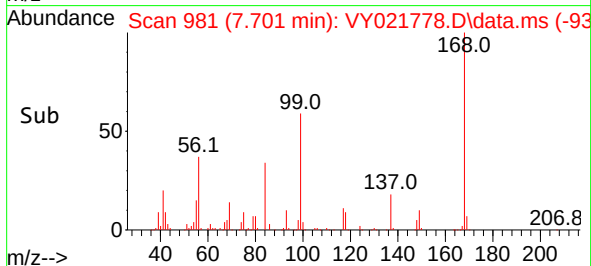
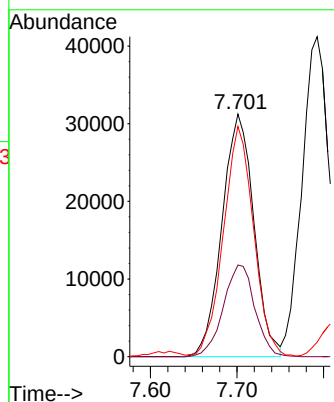
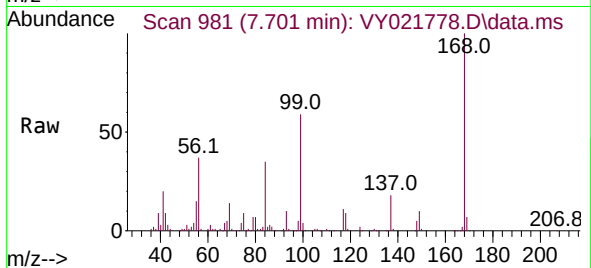




#31
Cyclohexane
Concen: 19.648 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

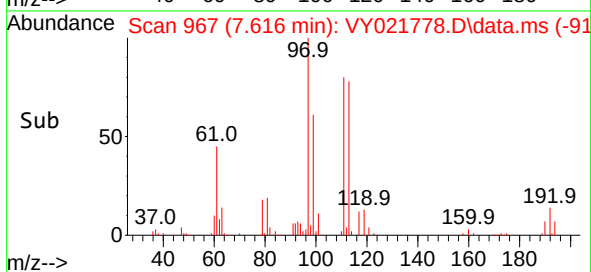
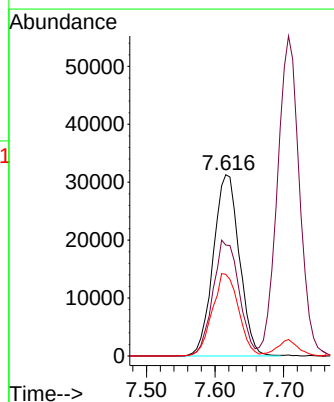
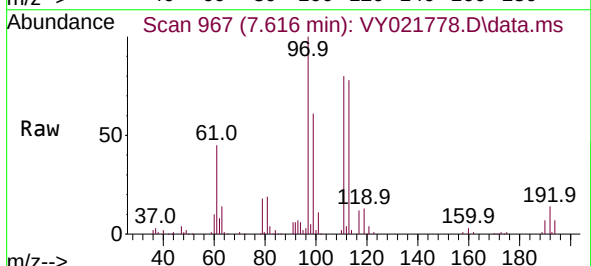
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

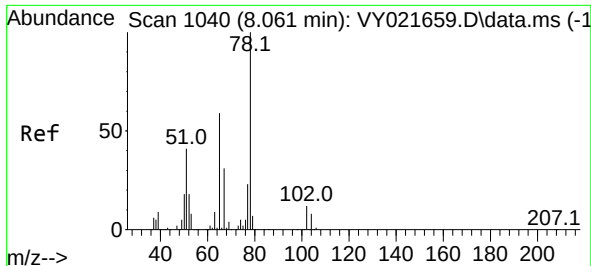
Tgt Ion: 56 Resp: 79706
Ion Ratio Lower Upper
56 100
69 37.8 26.6 40.0
84 93.6 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 19.763 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 97 Resp: 82677
Ion Ratio Lower Upper
97 100
99 63.7 50.7 76.1
61 45.6 35.2 52.8

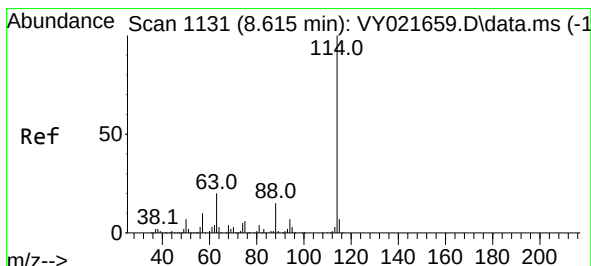
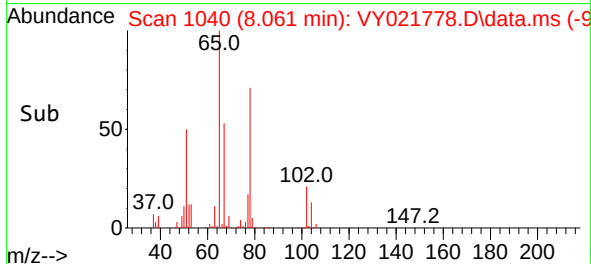
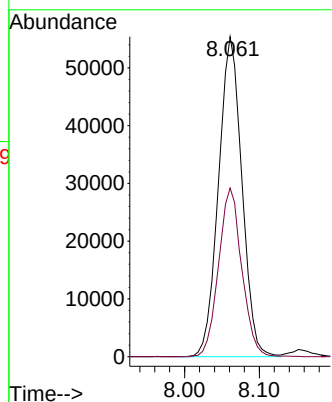
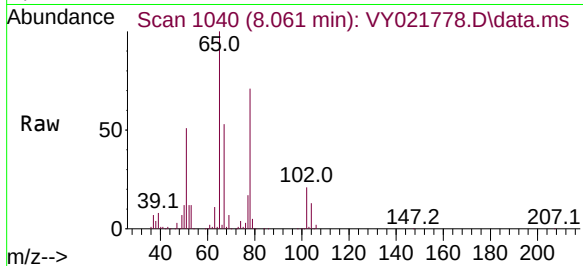




#33
 1,2-Dichloroethane-d4
 Concen: 52.418 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021778.D
 Acq: 04 Apr 2025 10:26

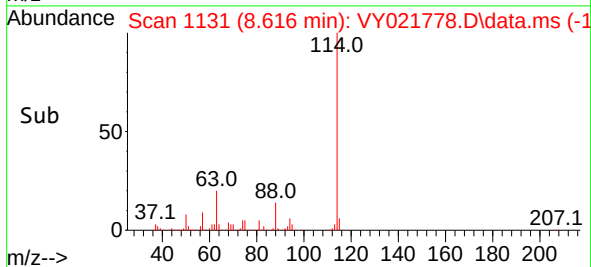
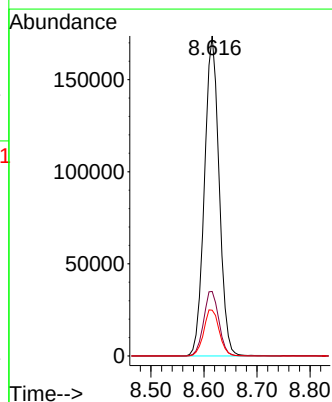
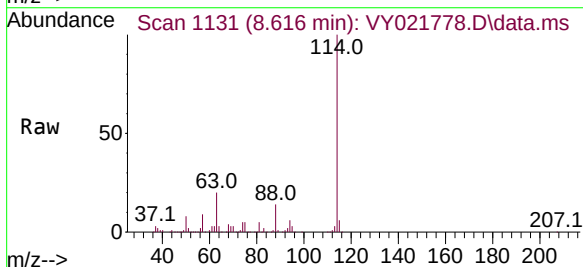
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

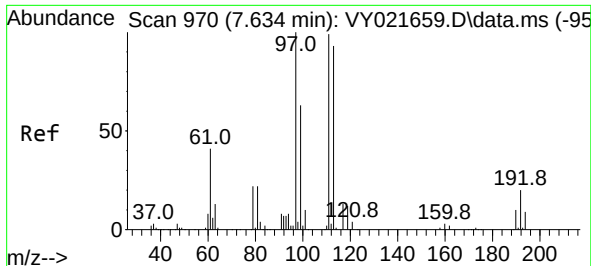
Tgt Ion: 65 Resp: 120482
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021778.D
 Acq: 04 Apr 2025 10:26

Tgt Ion: 114 Resp: 333501
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 14.3 0.0 29.8

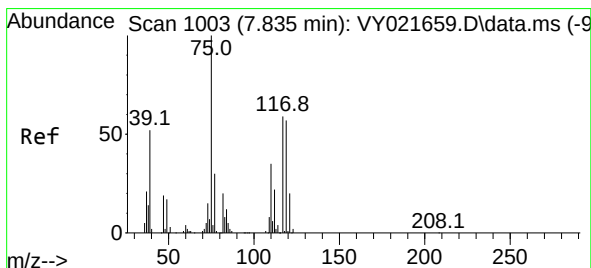
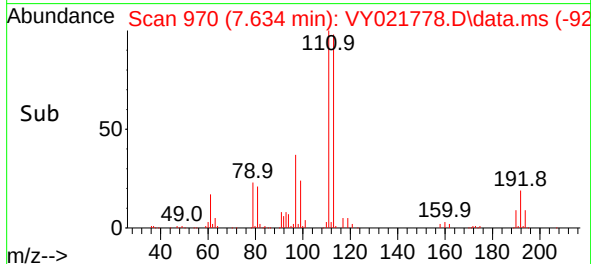
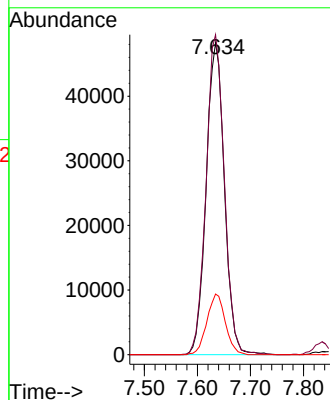
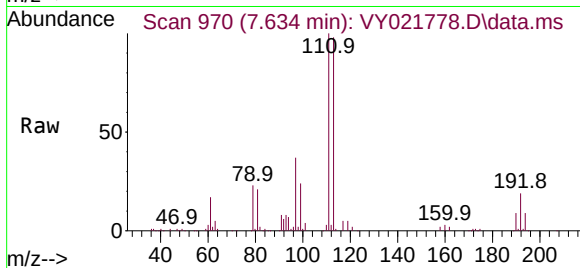




#35
Dibromofluoromethane
Concen: 53.318 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

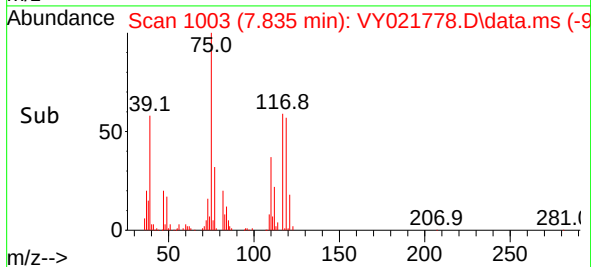
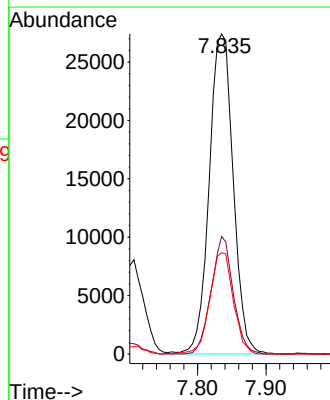
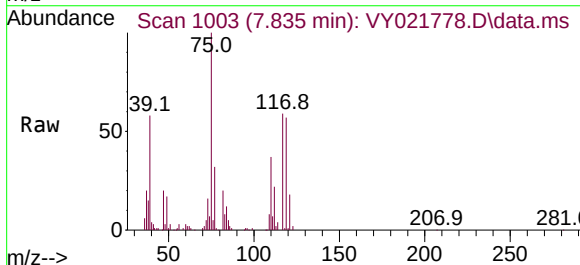
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

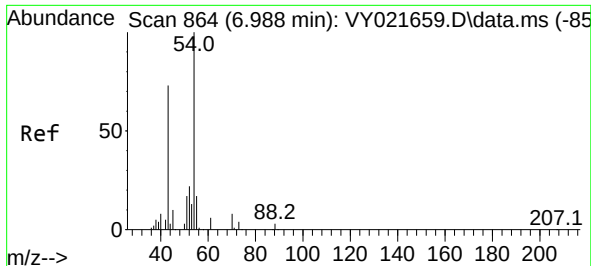
Tgt Ion:113 Resp: 115347
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 20.193 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 66538
Ion Ratio Lower Upper
75 100
110 33.7 17.0 50.9
77 31.1 24.8 37.2

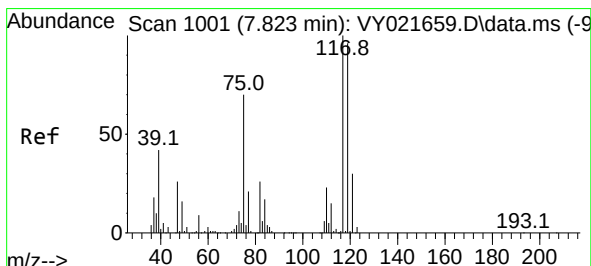
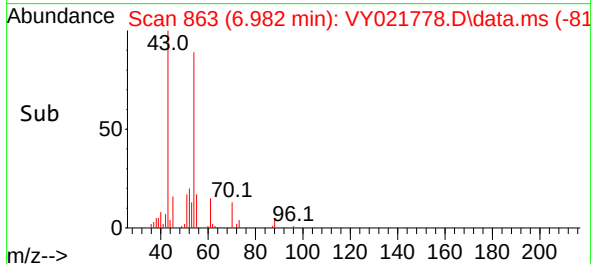
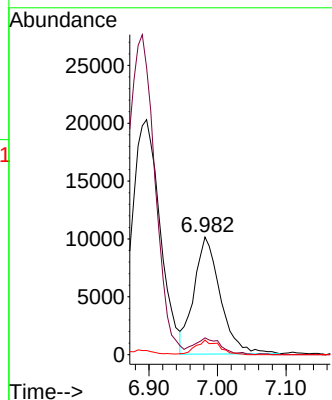
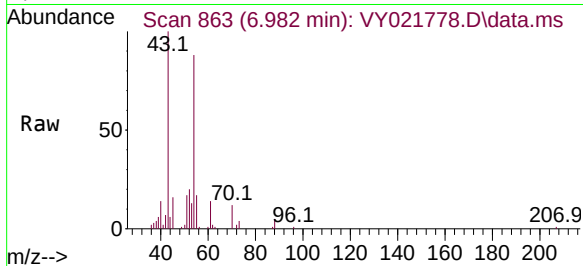




#37
Ethyl Acetate
Concen: 17.489 ug/l
RT: 6.982 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

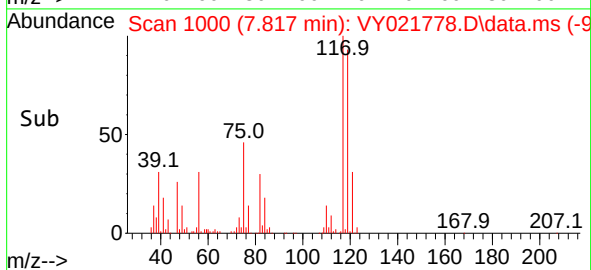
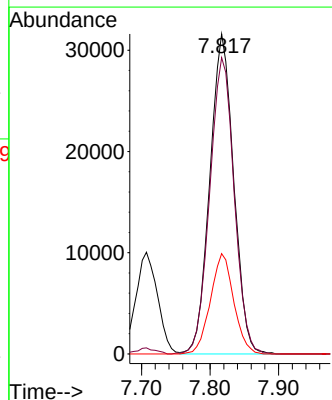
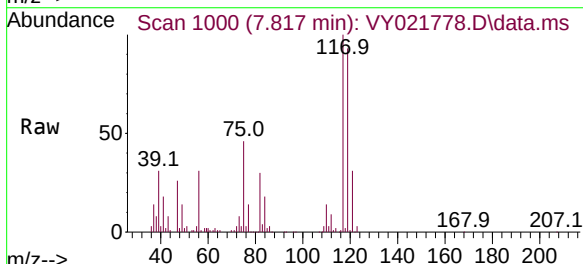
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

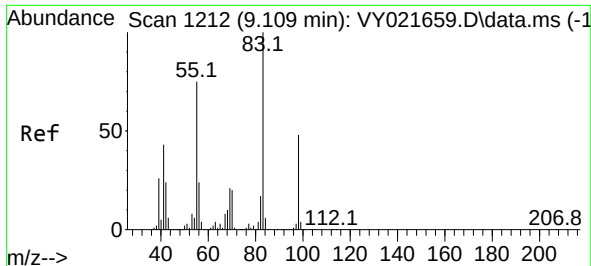
Tgt Ion:	43	Resp:	27198
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.0	8.1	12.1



#38
Carbon Tetrachloride
Concen: 20.272 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:	117	Resp:	76509
Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.2	114.4
121	31.4	24.2	36.4





#39

Methylcyclohexane

Concen: 19.412 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

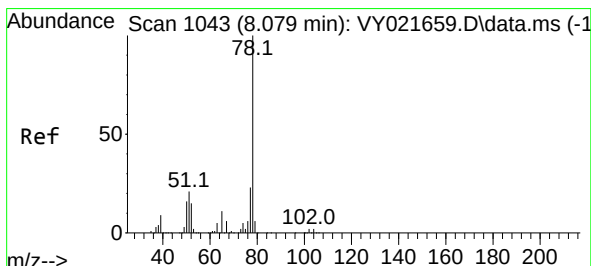
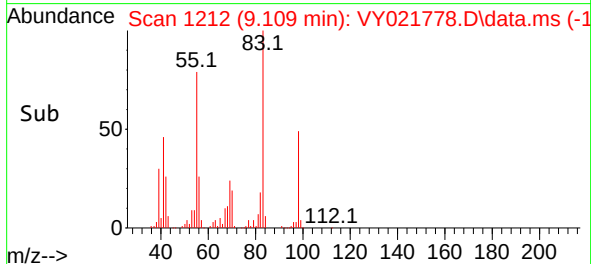
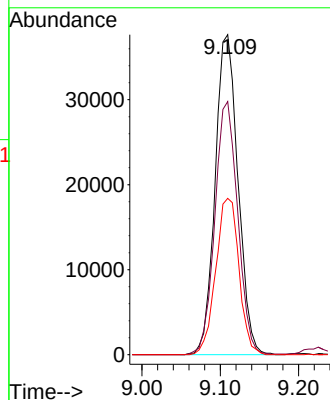
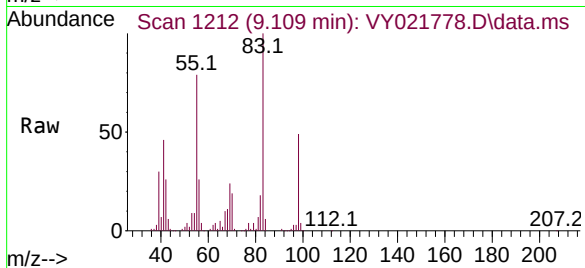
Tgt Ion: 83 Resp: 76412

Ion Ratio Lower Upper

83 100

55 79.1 59.7 89.5

98 48.9 38.3 57.5



#40

Benzene

Concen: 19.772 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021778.D

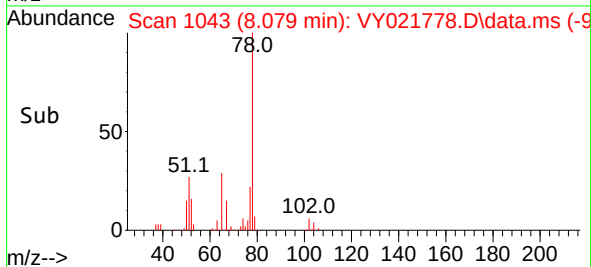
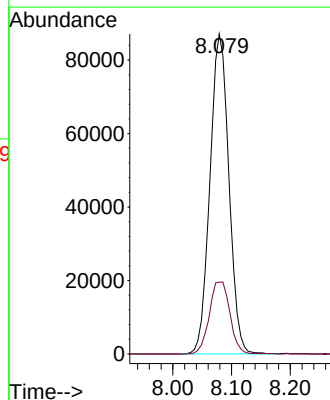
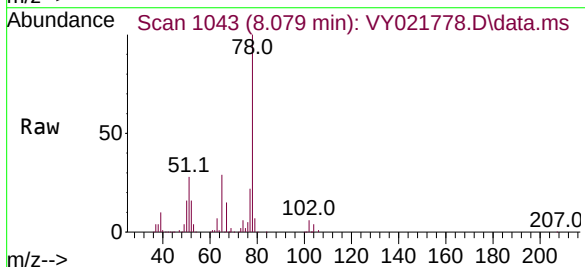
Acq: 04 Apr 2025 10:26

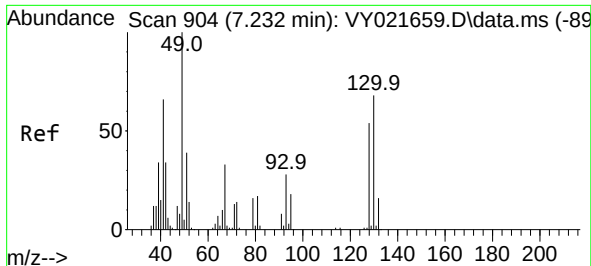
Tgt Ion: 78 Resp: 195115

Ion Ratio Lower Upper

78 100

77 22.5 18.8 28.2

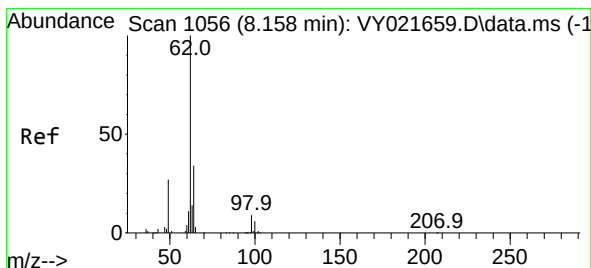
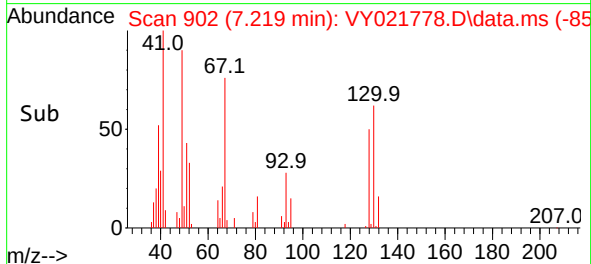
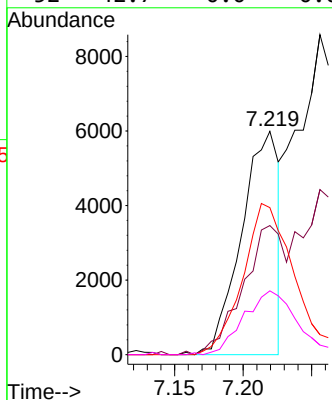
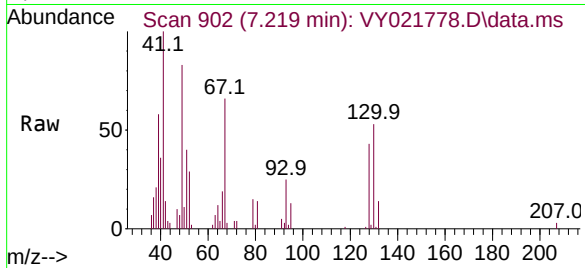




#41
Methacrylonitrile
Concen: 13.795 ug/l
RT: 7.219 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

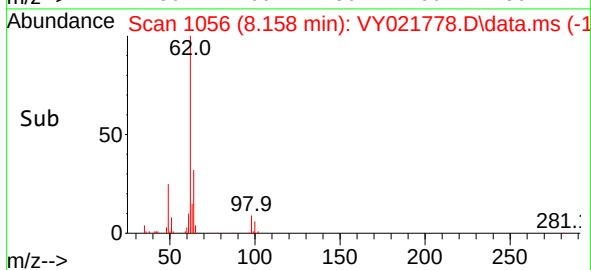
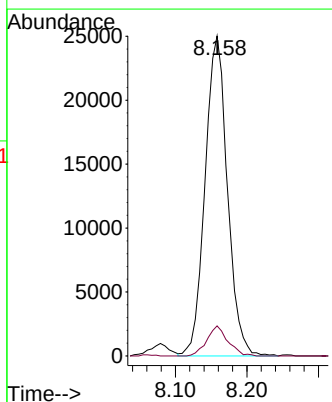
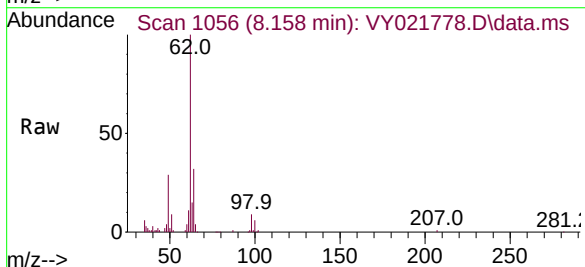
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

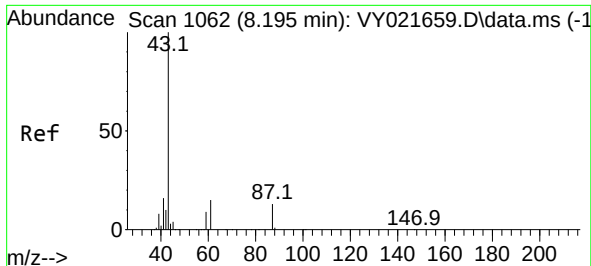
Tgt Ion:	41	Resp:	11393
Ion	Ratio	Lower	Upper
41	100		
39	64.8	0.0	0.0#
67	92.5	0.0	0.0#
52	42.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.524 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:	62	Resp:	54315
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4

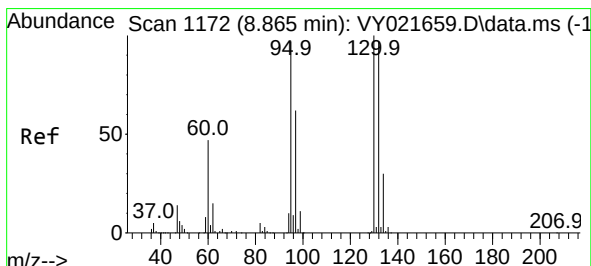
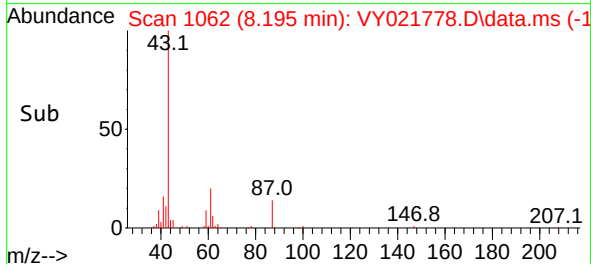
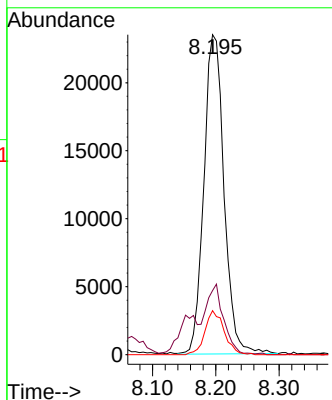
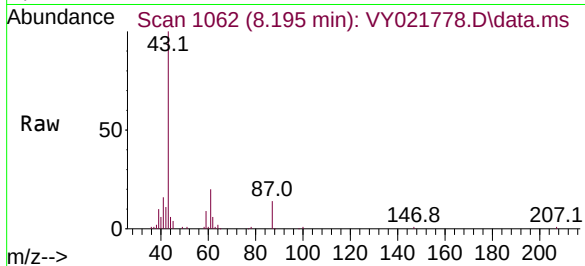




#43
Isopropyl Acetate
Concen: 17.697 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

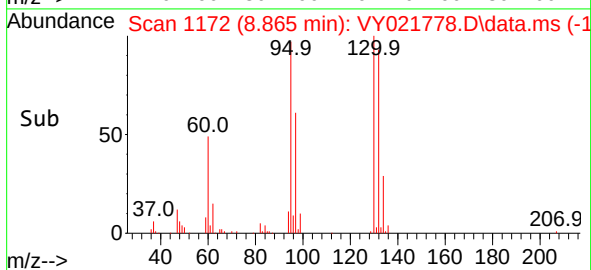
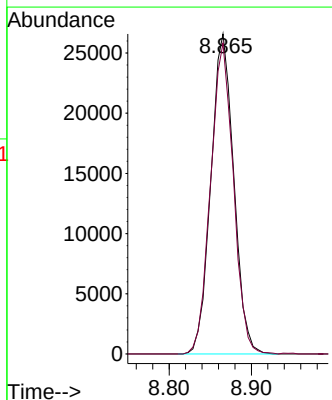
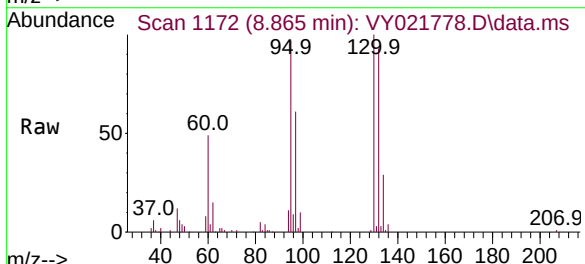
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

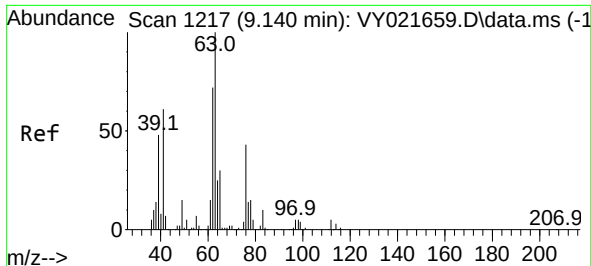
Tgt Ion:	43	Resp:	52154
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.9	23.9
87	13.2	10.4	15.6



#44
Trichloroethene
Concen: 20.398 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:	130	Resp:	51288
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.8





#45

1,2-Dichloropropane

Concen: 19.929 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

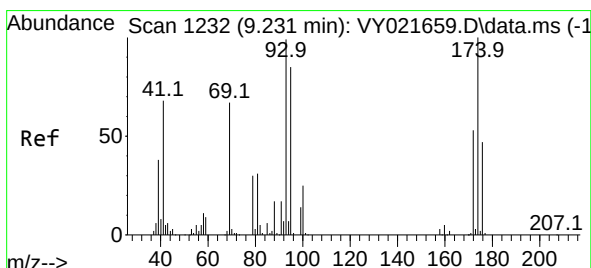
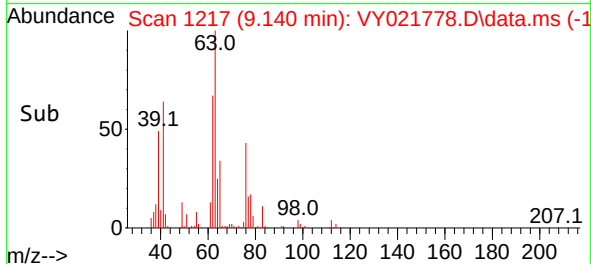
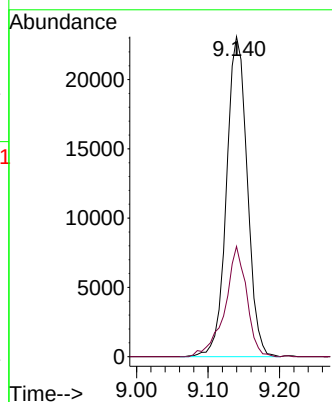
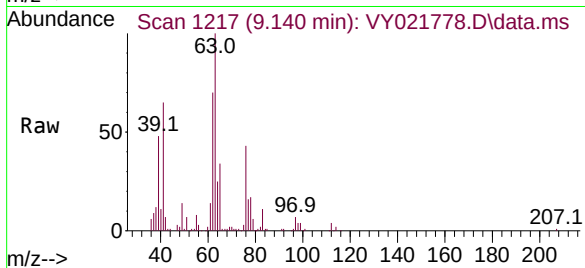
VY0404SBS01

Tgt Ion: 63 Resp: 46551

Ion Ratio Lower Upper

63 100

65 34.4 24.4 36.6



#46

Dibromomethane

Concen: 18.755 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

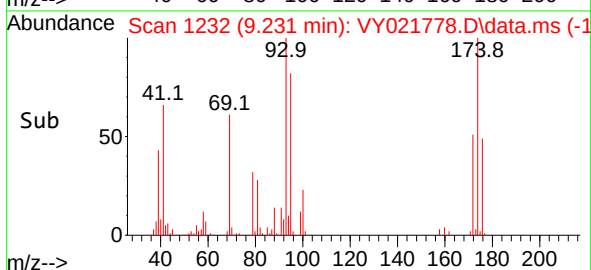
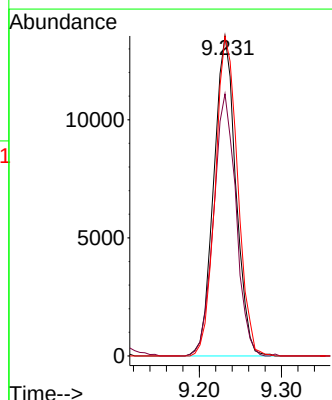
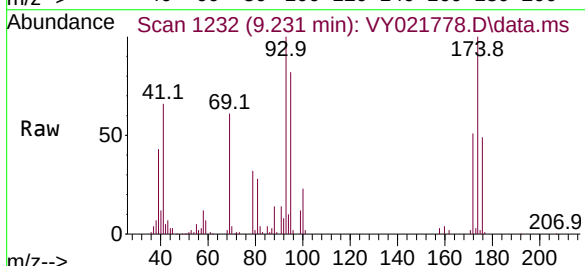
Tgt Ion: 93 Resp: 25248

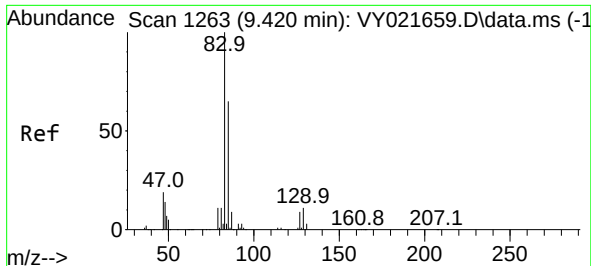
Ion Ratio Lower Upper

93 100

95 82.9 68.1 102.1

174 101.4 80.9 121.3

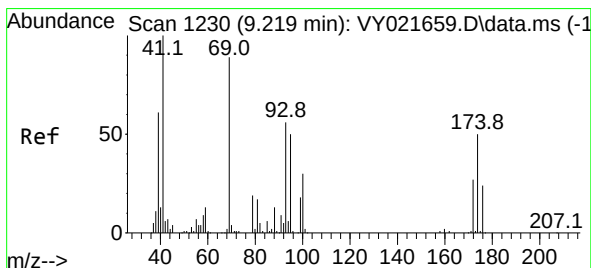
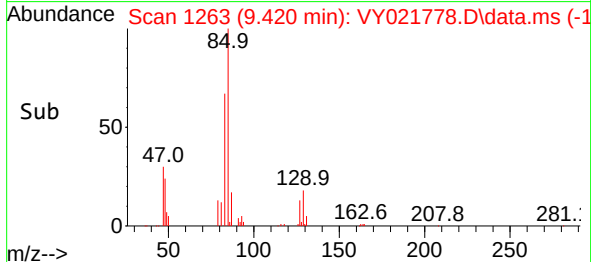
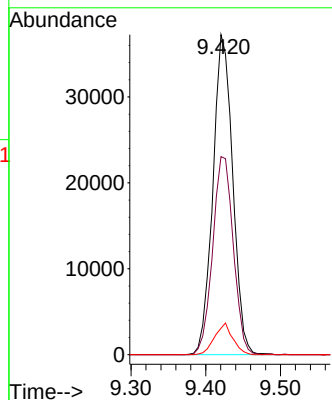
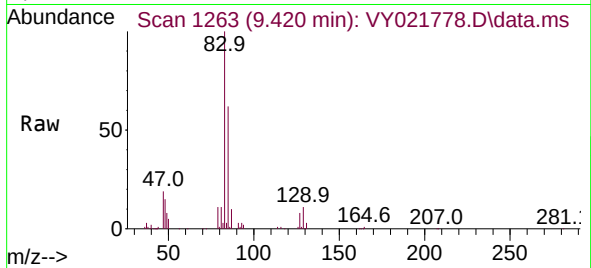




#47
Bromodichloromethane
Concen: 19.726 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

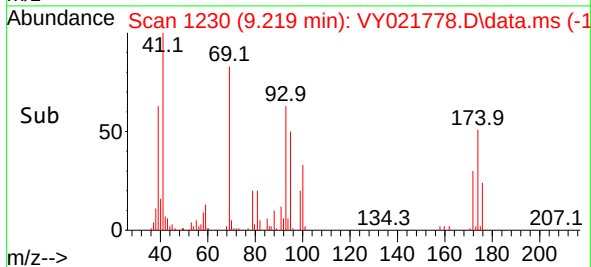
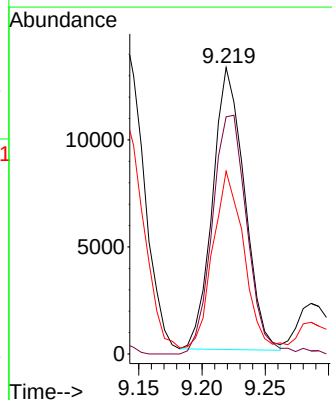
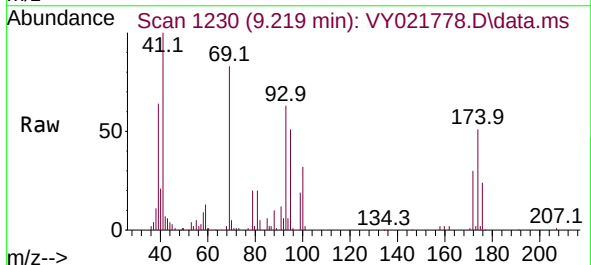
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

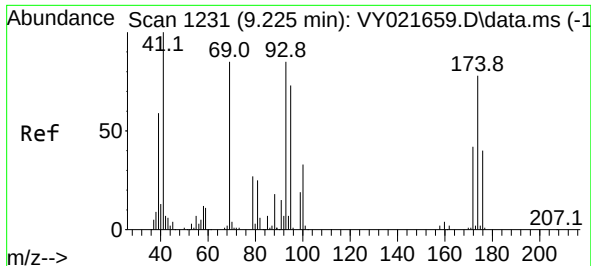
Tgt Ion:	83	Resp:	68808
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.3	6.8	10.2



#48
Methyl methacrylate
Concen: 17.089 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

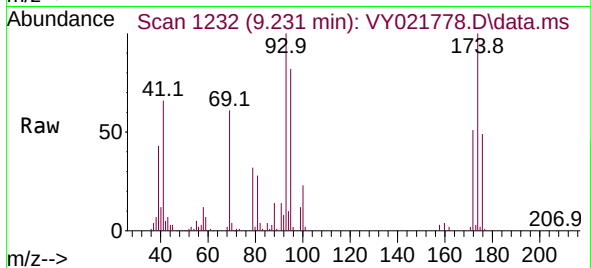
Tgt Ion:	41	Resp:	23114
Ion	Ratio	Lower	Upper
41	100		
69	91.9	69.8	104.8
39	61.7	47.2	70.8



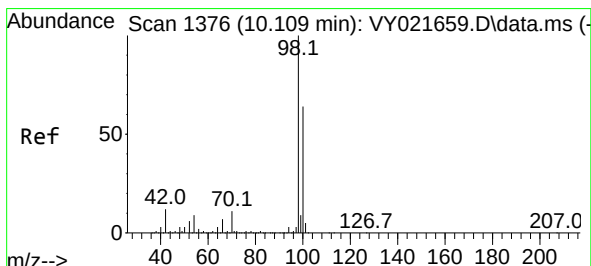
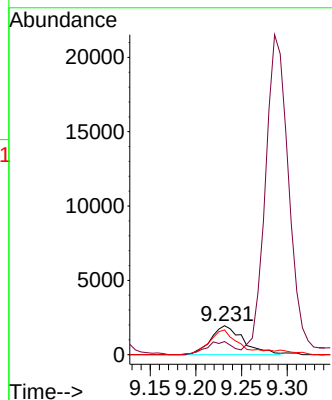
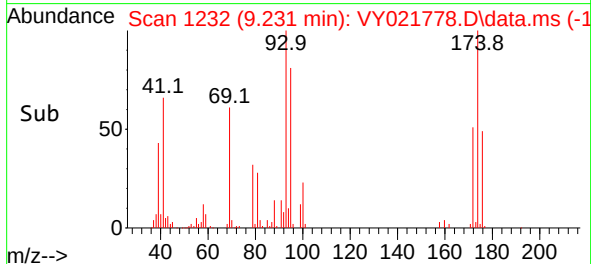


#49
1,4-Dioxane
Concen: 336.031 ug/l
RT: 9.231 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

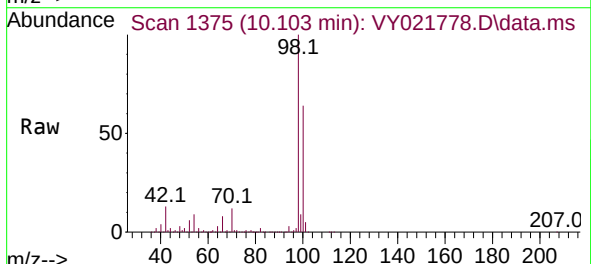
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



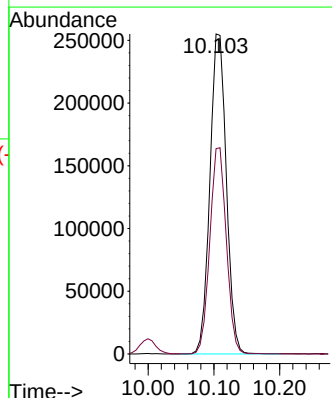
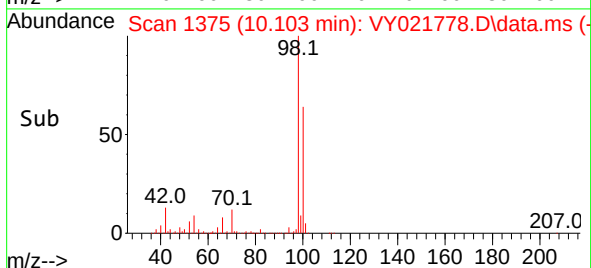
Tgt Ion: 88 Resp: 4846
Ion Ratio Lower Upper
88 100
43 37.8 28.8 43.2
58 88.6 59.4 89.2

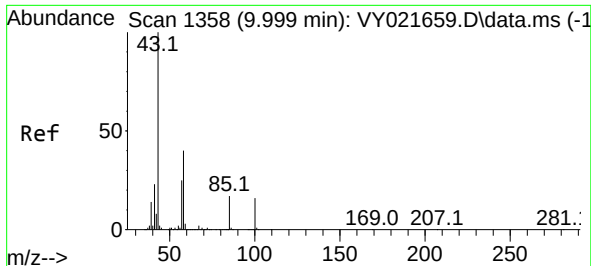


#50
Toluene-d8
Concen: 53.826 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



Tgt Ion: 98 Resp: 442990
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 88.669 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

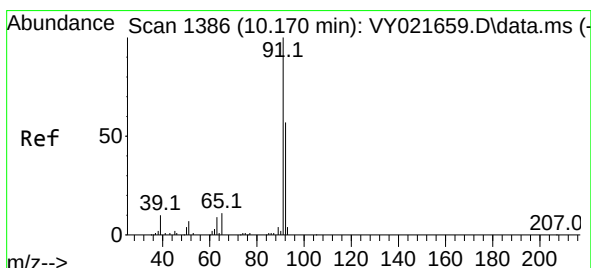
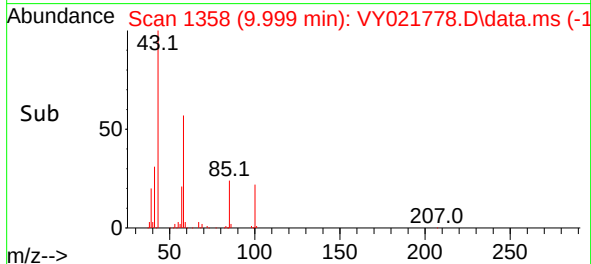
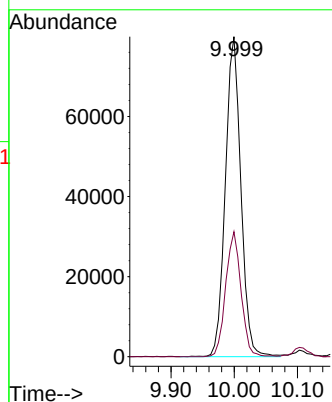
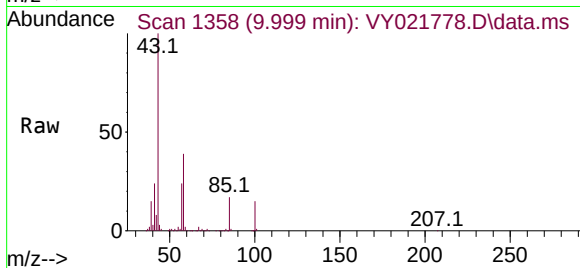
VY0404SBS01

Tgt Ion: 43 Resp: 135987

Ion Ratio Lower Upper

43 100

58 38.6 31.5 47.3



#52

Toluene

Concen: 19.987 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021778.D

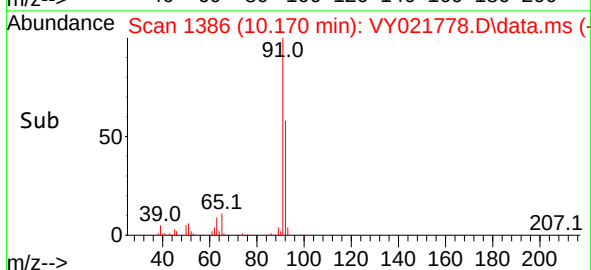
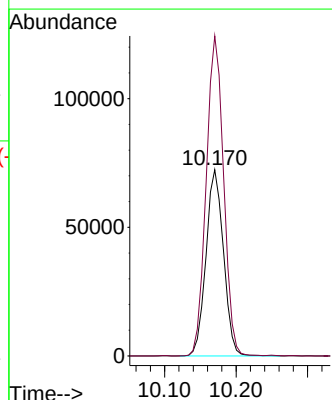
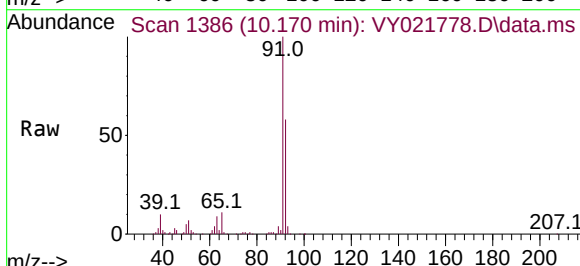
Acq: 04 Apr 2025 10:26

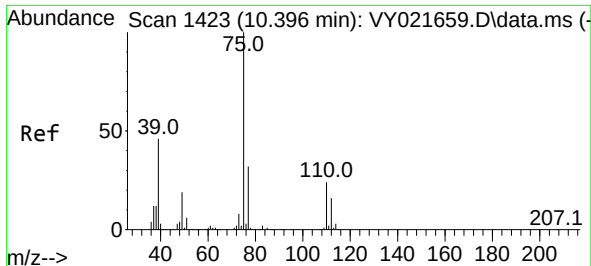
Tgt Ion: 92 Resp: 123058

Ion Ratio Lower Upper

92 100

91 171.0 138.6 207.8

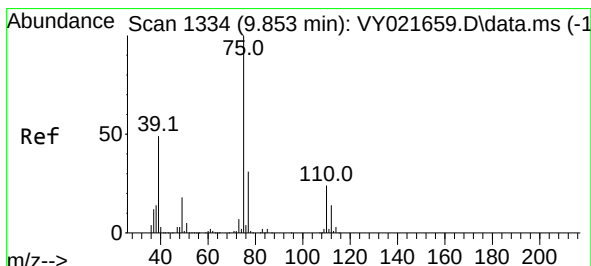
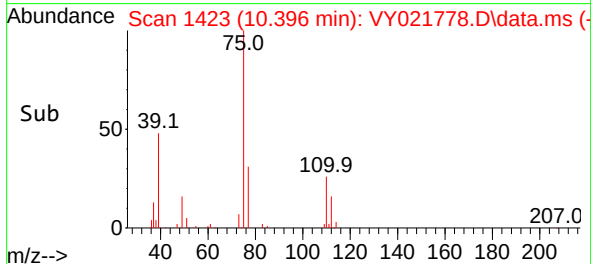
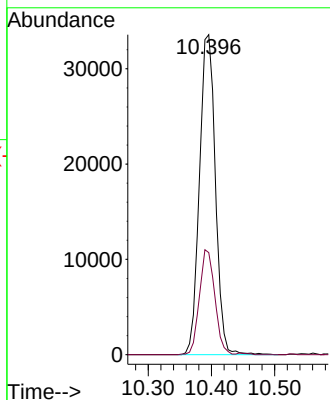
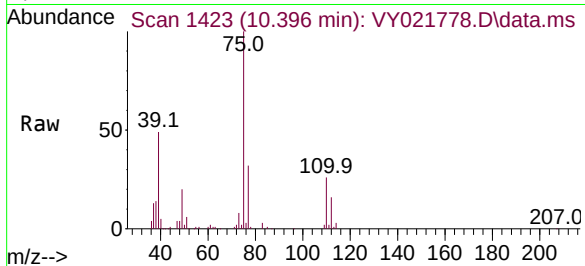




#53
t-1,3-Dichloropropene
Concen: 19.048 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

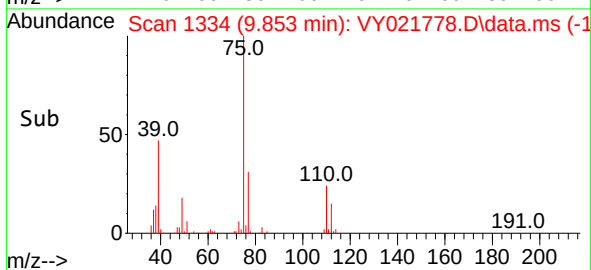
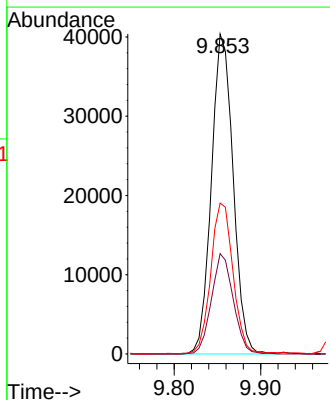
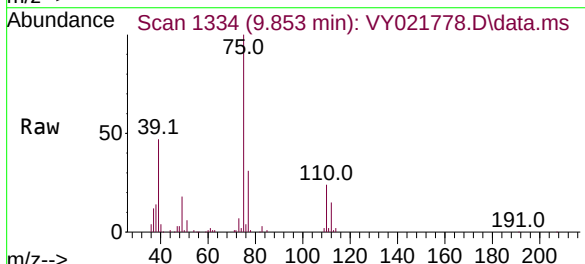
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

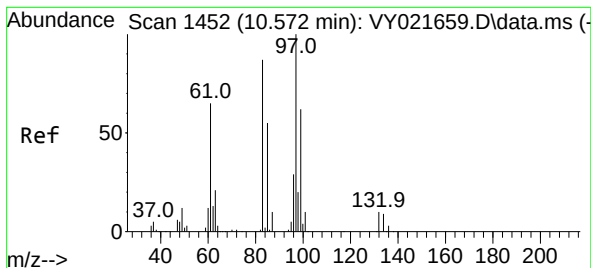
Tgt Ion: 75 Resp: 59016
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 19.257 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 70388
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 47.2 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.599 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

Tgt Ion: 97 Resp: 33954

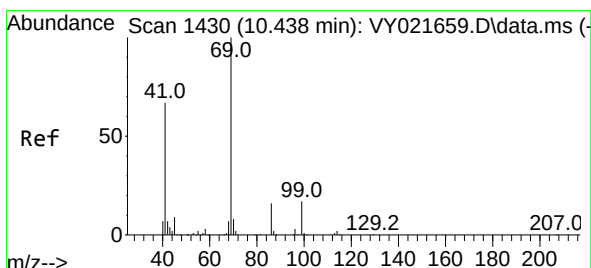
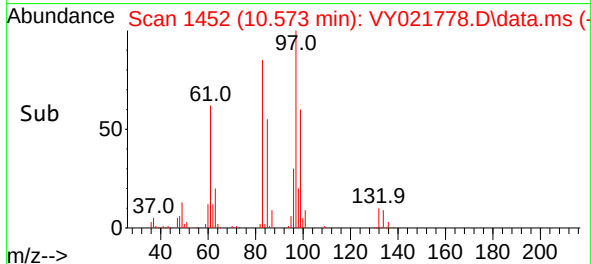
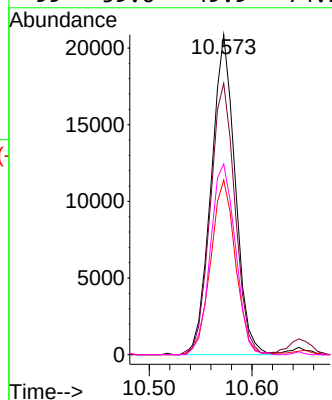
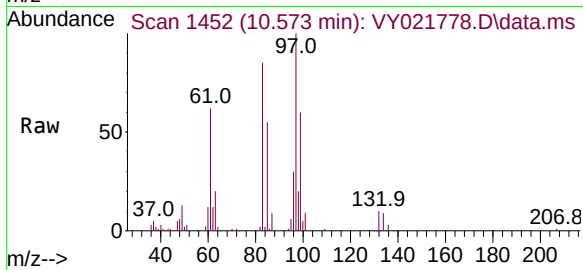
Ion Ratio Lower Upper

97 100

83 84.8 69.5 104.3

85 54.6 43.9 65.9

99 59.6 49.9 74.9



#56

Ethyl methacrylate

Concen: 18.189 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

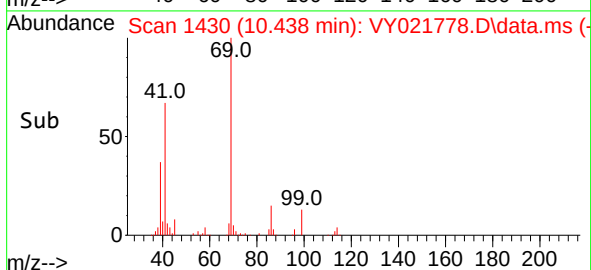
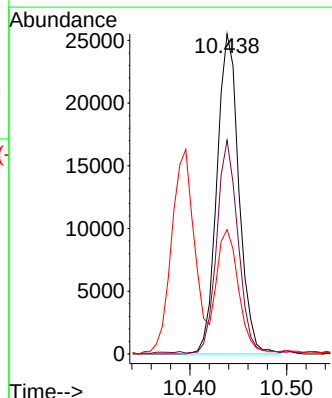
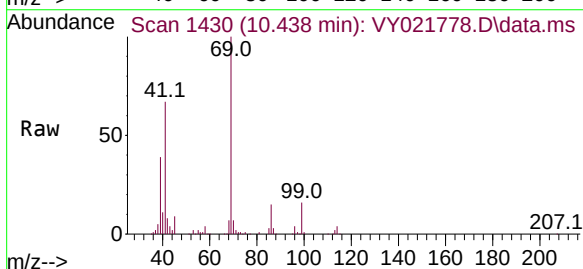
Tgt Ion: 69 Resp: 40236

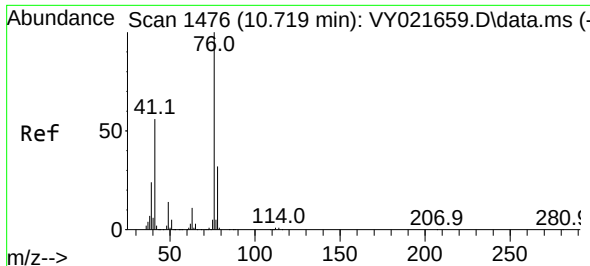
Ion Ratio Lower Upper

69 100

41 64.3 53.8 80.6

39 36.8 29.6 44.4





#57

1,3-Dichloropropane

Concen: 18.940 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

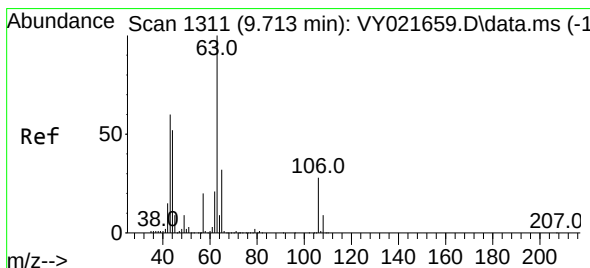
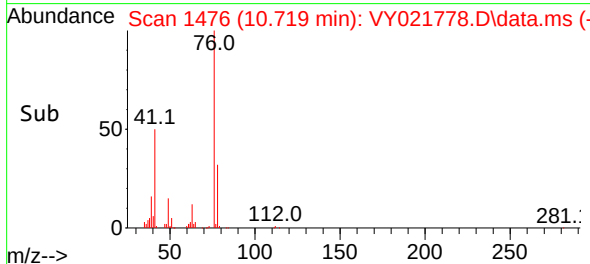
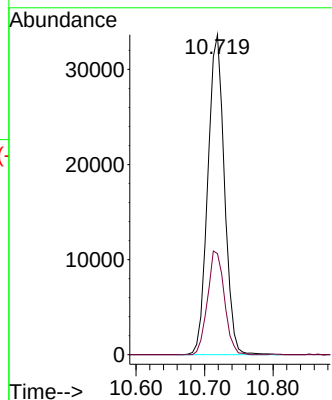
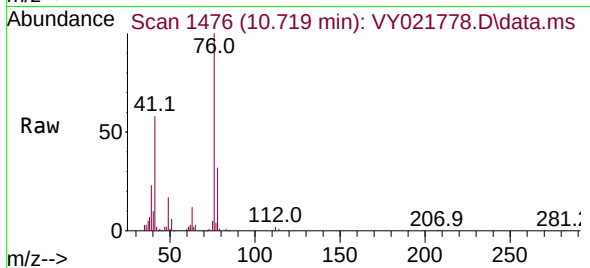
VY0404SBS01

Tgt Ion: 76 Resp: 56667

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 94.929 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021778.D

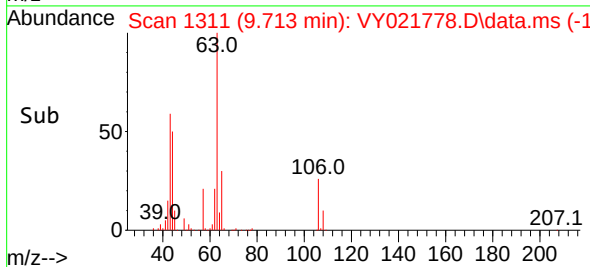
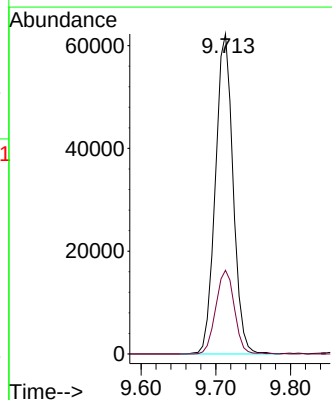
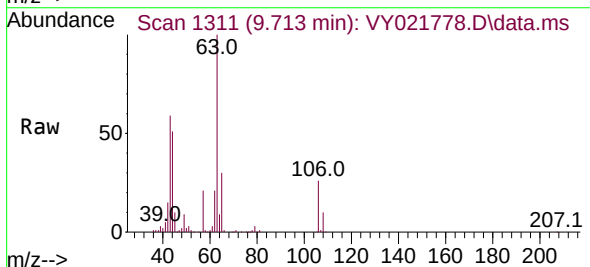
Acq: 04 Apr 2025 10:26

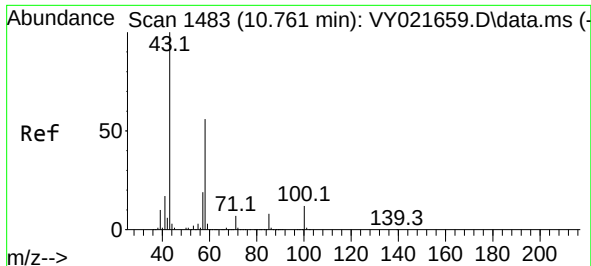
Tgt Ion: 63 Resp: 102441

Ion Ratio Lower Upper

63 100

106 27.5 22.4 33.6





#59

2-Hexanone

Concen: 86.157 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

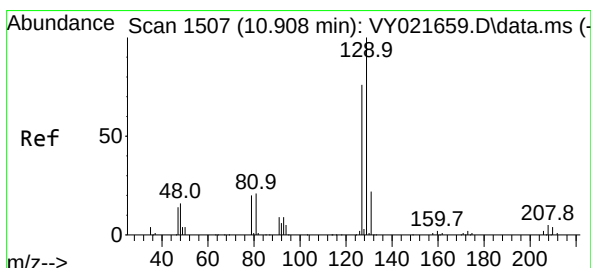
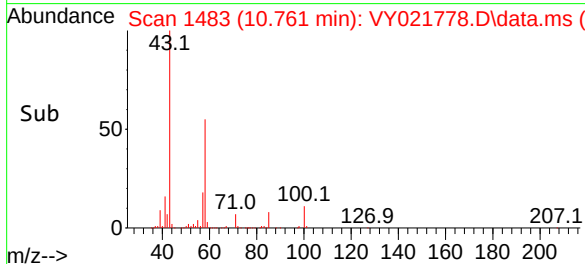
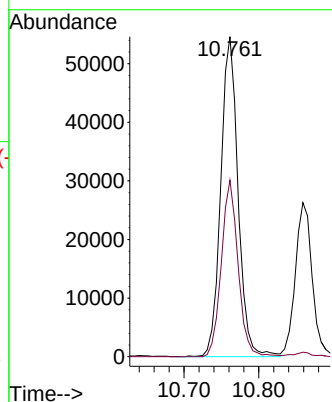
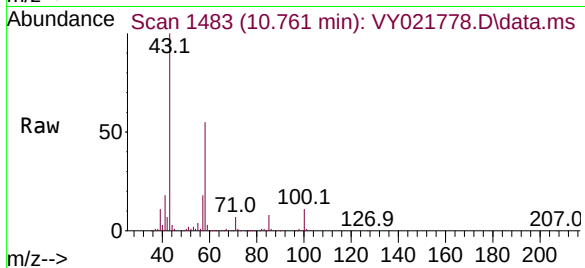
VY0404SBS01

Tgt Ion: 43 Resp: 87999

Ion Ratio Lower Upper

43 100

58 53.4 27.2 81.5



#60

Dibromochloromethane

Concen: 19.348 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY021778.D

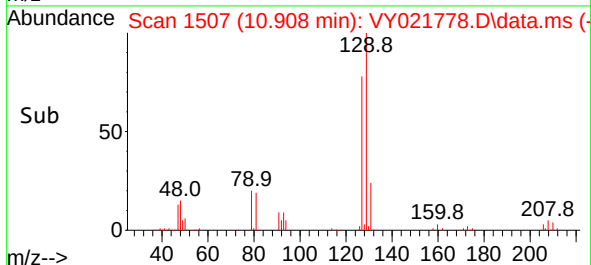
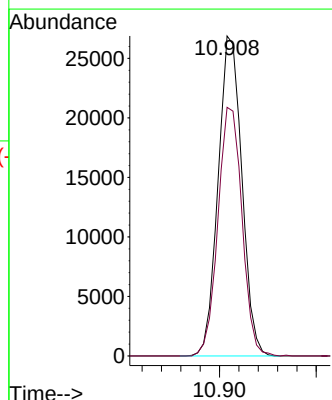
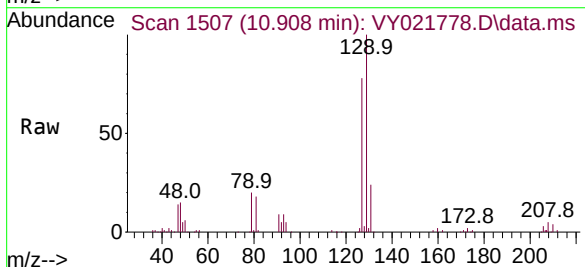
Acq: 04 Apr 2025 10:26

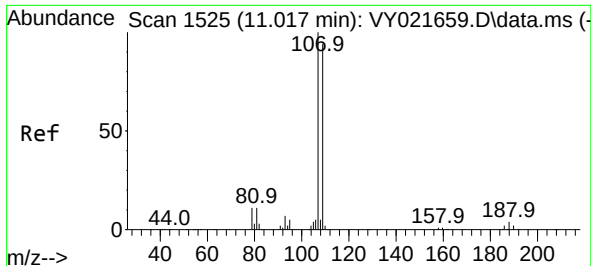
Tgt Ion: 129 Resp: 45764

Ion Ratio Lower Upper

129 100

127 78.7 38.6 115.7

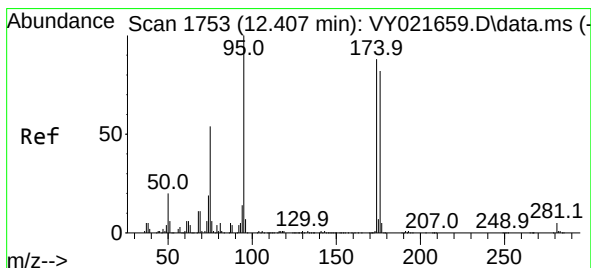
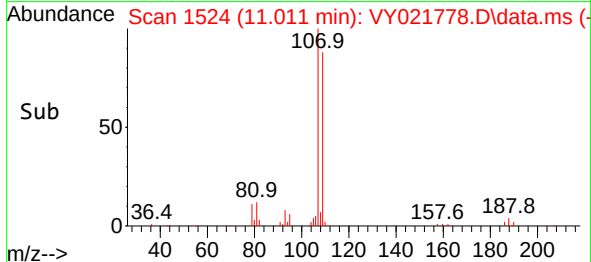
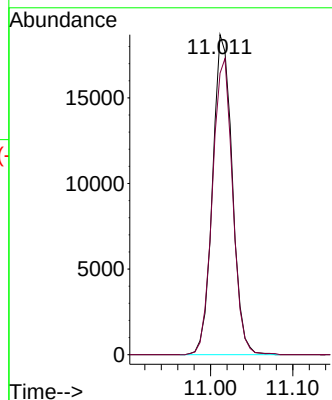
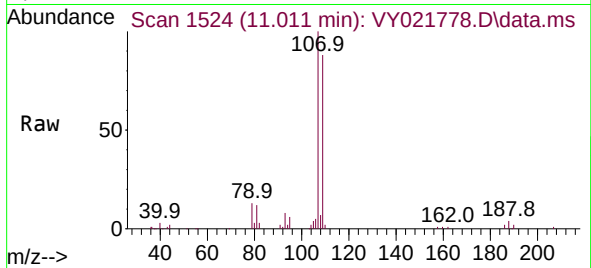




#61
1,2-Dibromoethane
Concen: 19.087 ug/l
RT: 11.011 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

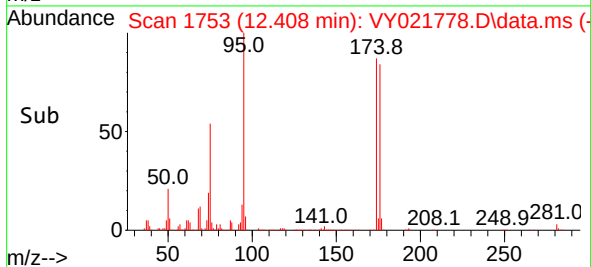
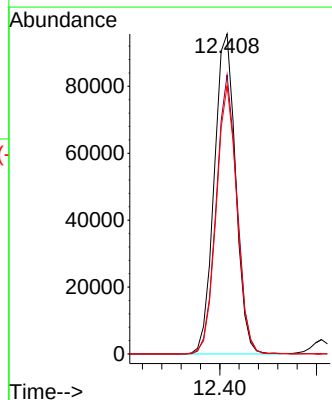
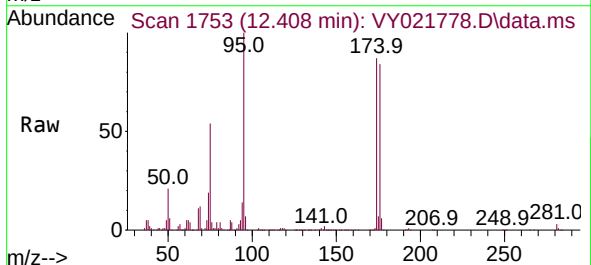
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

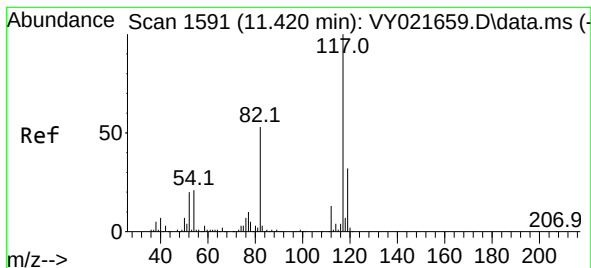
Tgt Ion:107 Resp: 31019
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 52.820 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

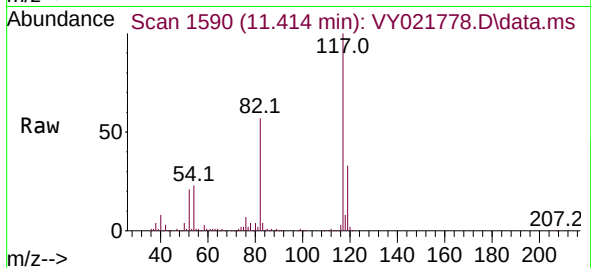
Tgt Ion: 95 Resp: 147041
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 81.1 0.0 162.0



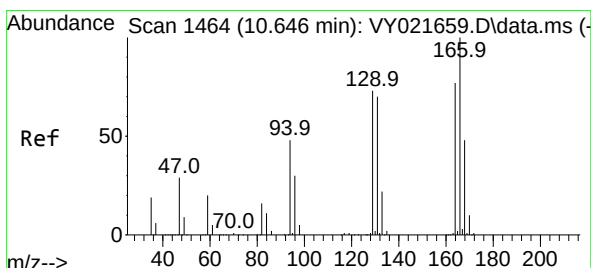
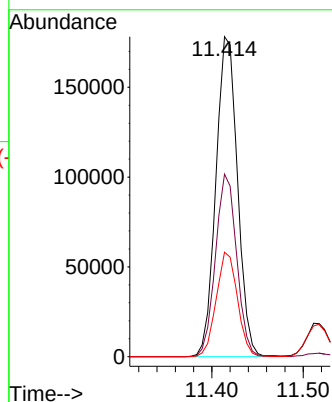
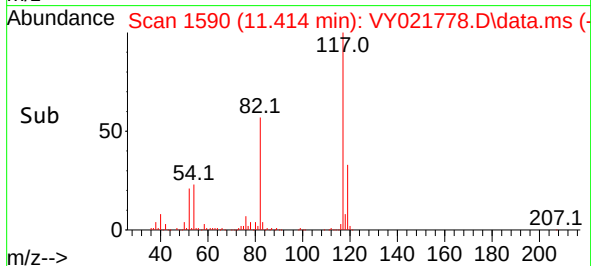


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

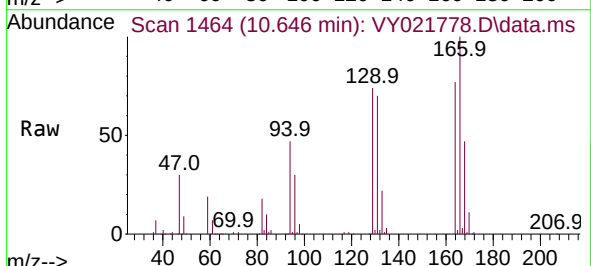
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01



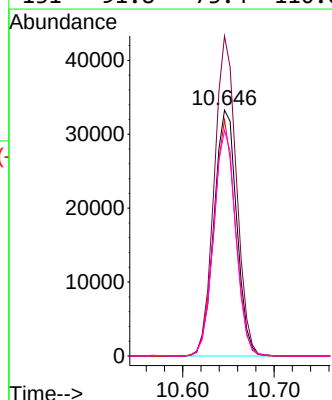
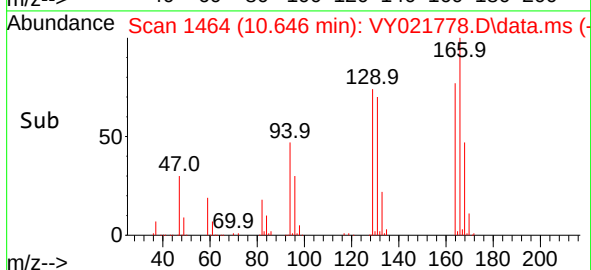
Tgt Ion:117 Resp: 293102
Ion Ratio Lower Upper
117 100
82 57.1 42.8 64.2
119 32.7 25.7 38.5

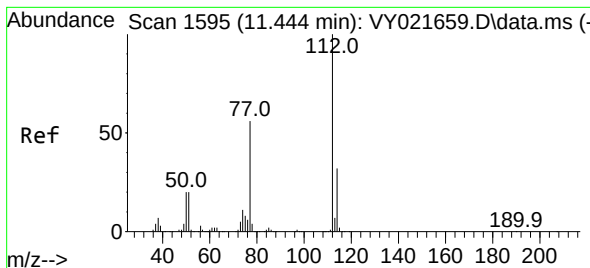


#64
Tetrachloroethene
Concen: 21.437 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26



Tgt Ion:164 Resp: 57226
Ion Ratio Lower Upper
164 100
166 130.2 104.6 156.8
129 96.1 76.6 114.8
131 91.8 73.4 110.0

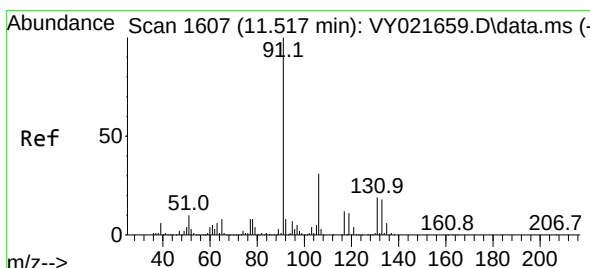
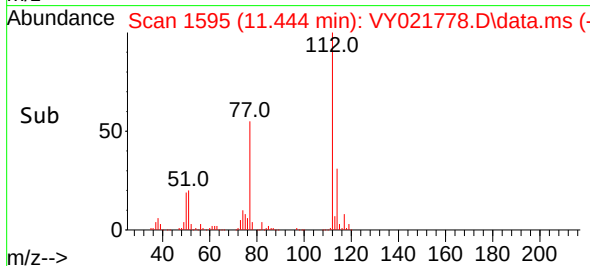
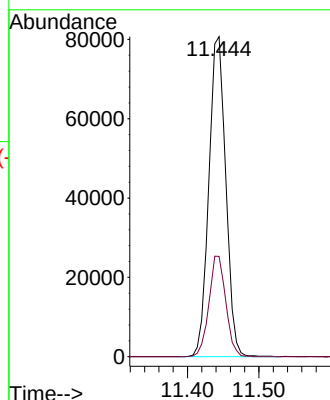
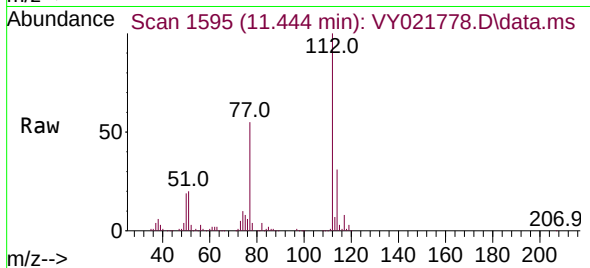




#65
Chlorobenzene
Concen: 19.745 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

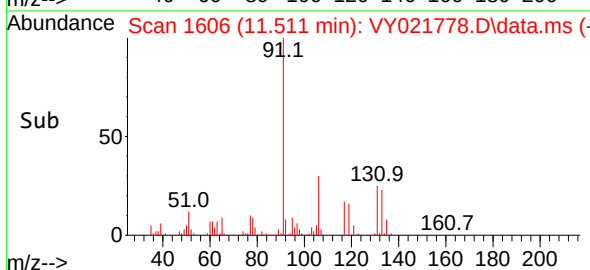
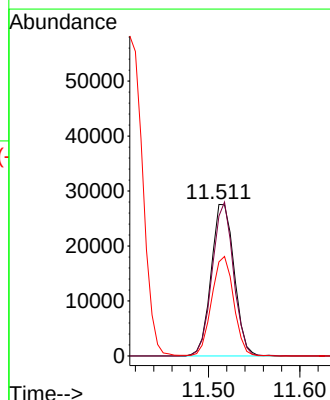
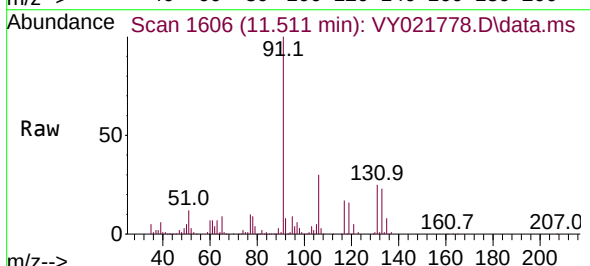
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

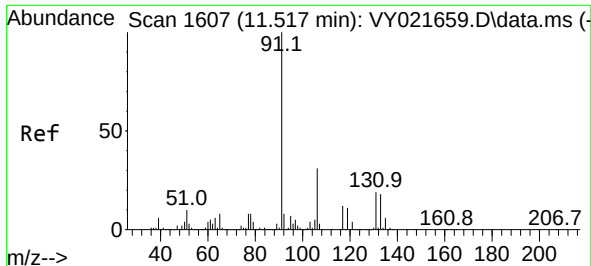
Tgt Ion:112 Resp: 132663
Ion Ratio Lower Upper
112 100
114 31.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.215 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:131 Resp: 48189
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.8
119 62.9 31.6 95.0

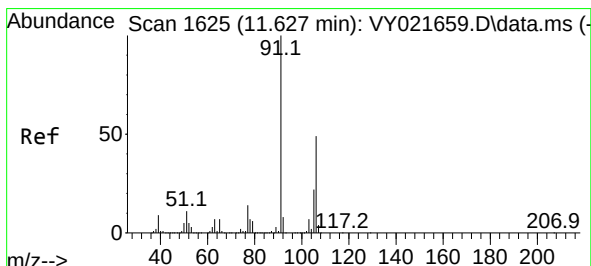
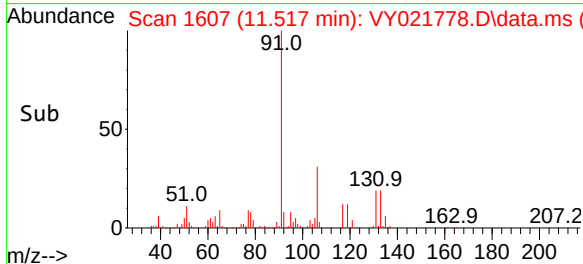
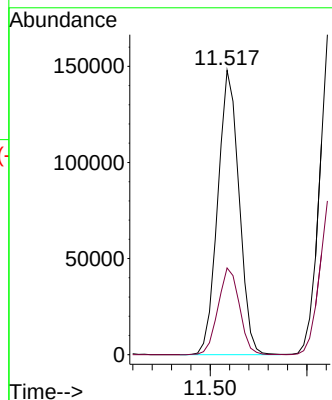
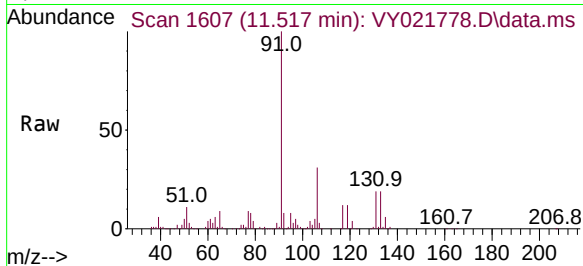




#67
Ethyl Benzene
Concen: 19.612 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

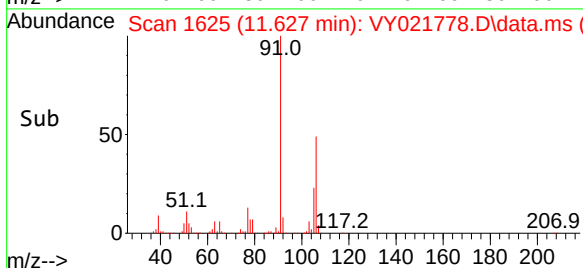
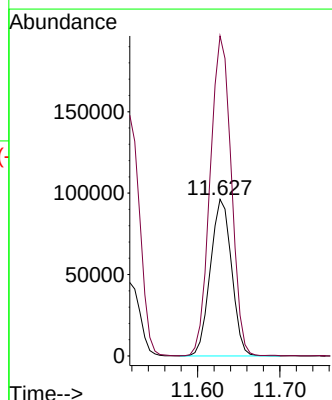
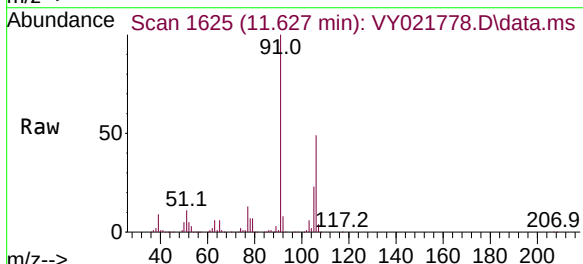
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

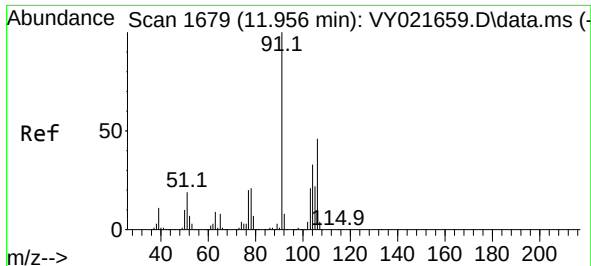
Tgt Ion: 91 Resp: 225955
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 39.102 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 106 Resp: 172512
Ion Ratio Lower Upper
106 100
91 203.2 162.4 243.6

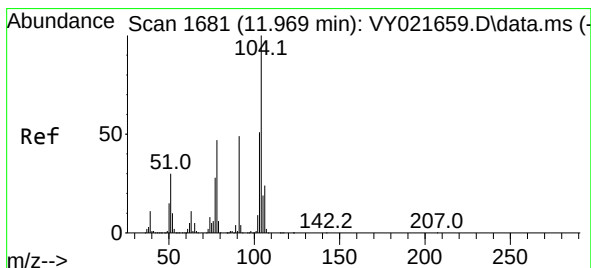
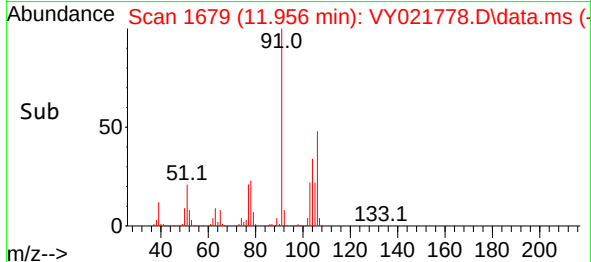
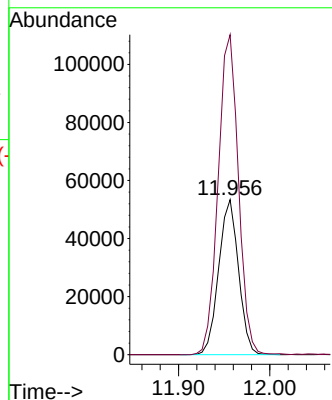
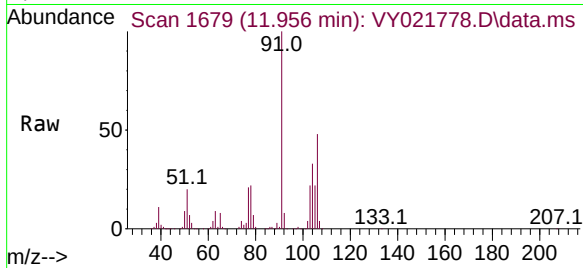




#69
o-Xylene
Concen: 19.805 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

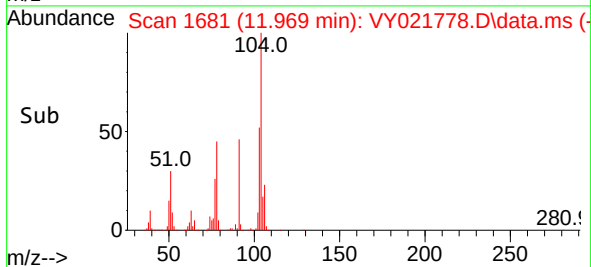
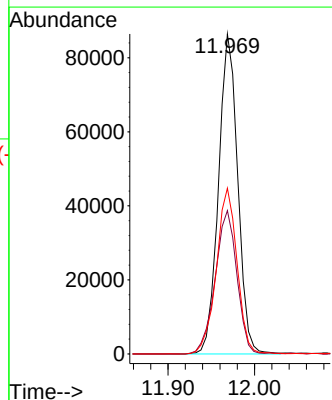
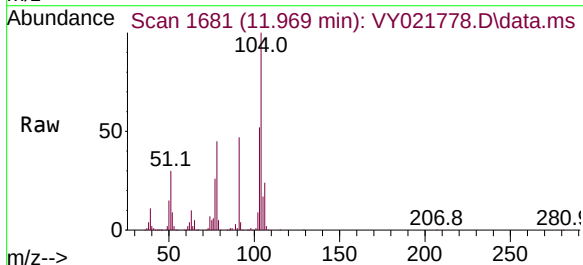
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

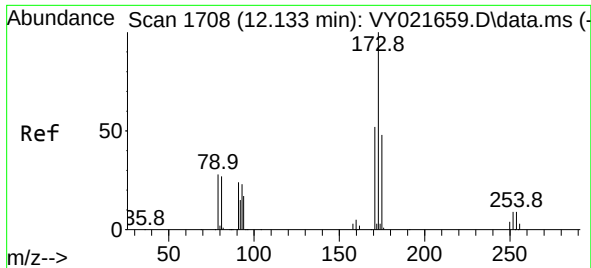
Tgt Ion:106 Resp: 80655
Ion Ratio Lower Upper
106 100
91 210.9 106.7 319.9



#70
Styrene
Concen: 19.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:104 Resp: 133338
Ion Ratio Lower Upper
104 100
78 50.4 40.8 61.2
103 55.8 44.2 66.2

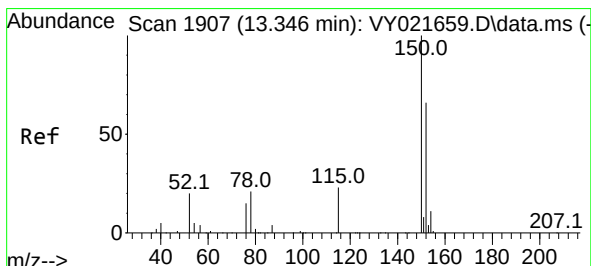
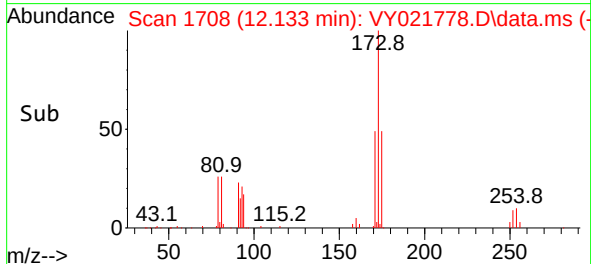
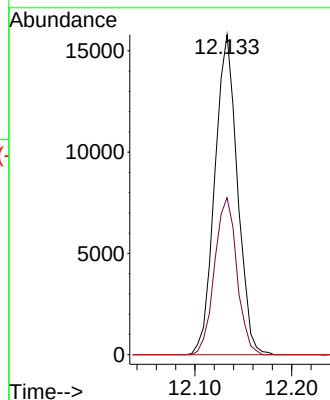
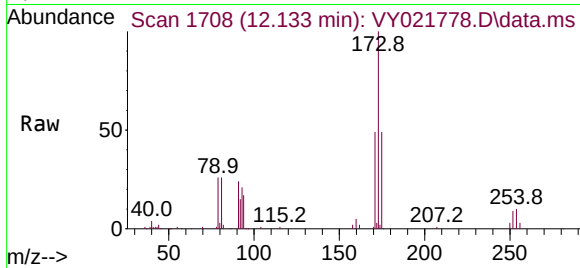




#71
Bromoform
Concen: 18.854 ug/l
RT: 12.133 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

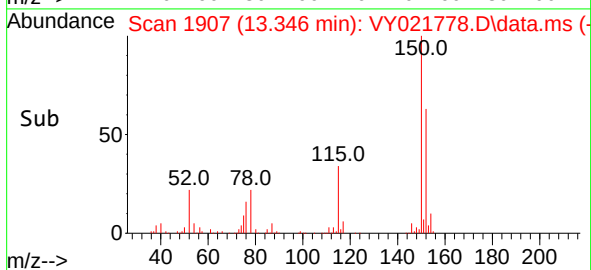
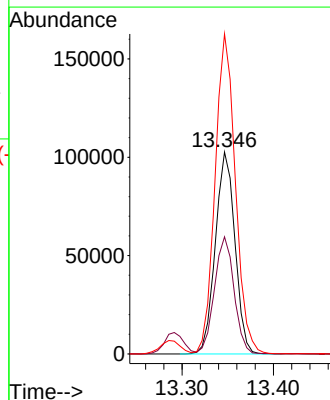
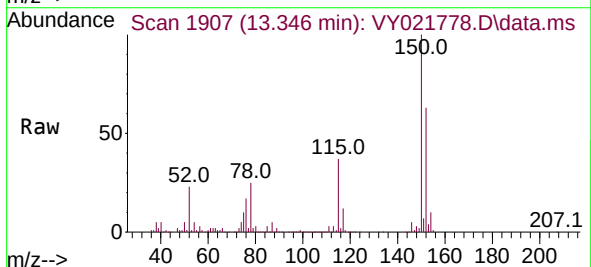
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

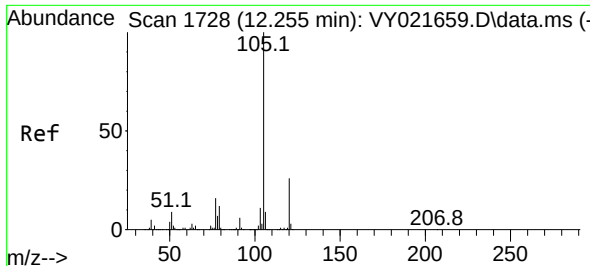
Tgt Ion:173 Resp: 25637
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:152 Resp: 152811
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 164.2 0.0 348.4

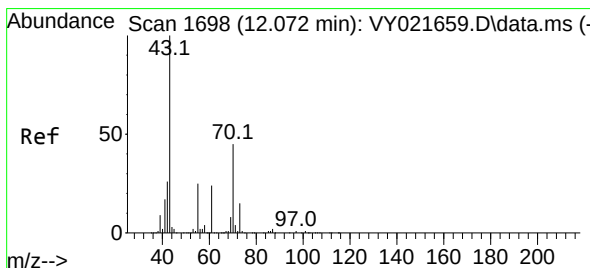
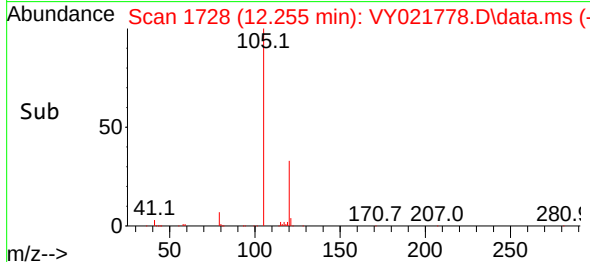
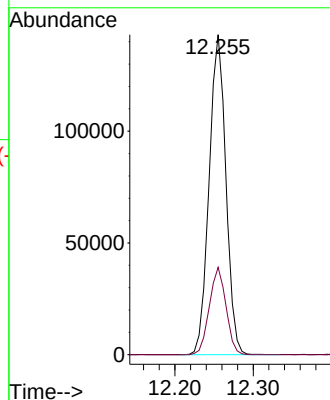
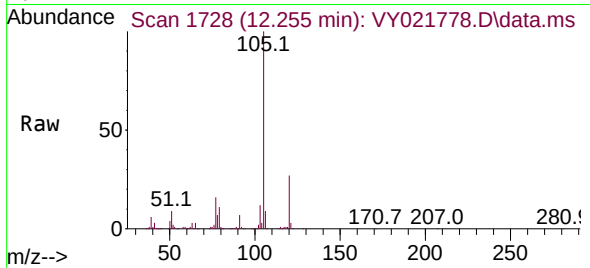




#73
Isopropylbenzene
Concen: 18.738 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

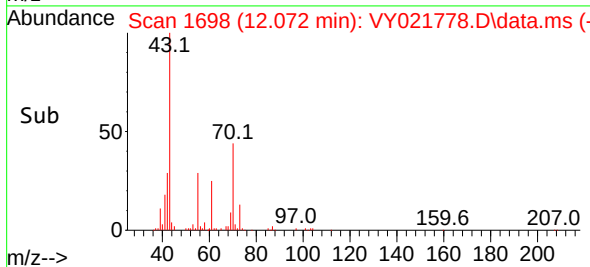
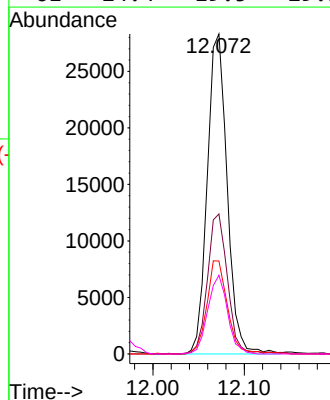
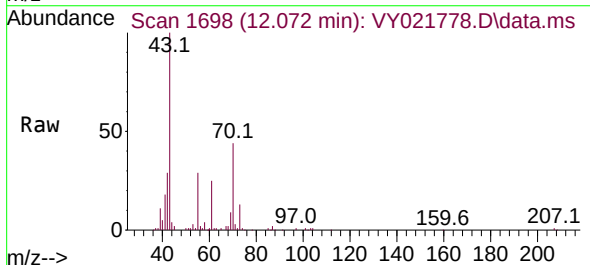
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

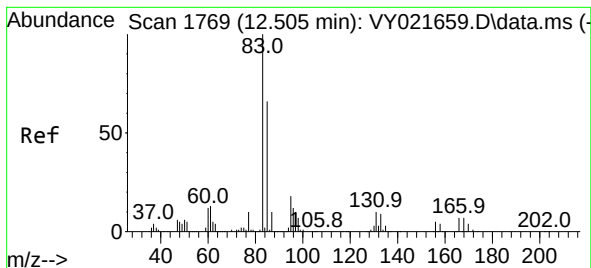
Tgt Ion:105 Resp: 212669
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.5



#74
N-ethyl acetate
Concen: 16.060 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 42780
Ion Ratio Lower Upper
43 100
70 43.8 34.7 52.1
55 30.5 21.2 31.8
61 24.4 19.5 29.3





#75

1,1,2-Tetrachloroethane

Concen: 17.080 ug/l

RT: 12.505 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

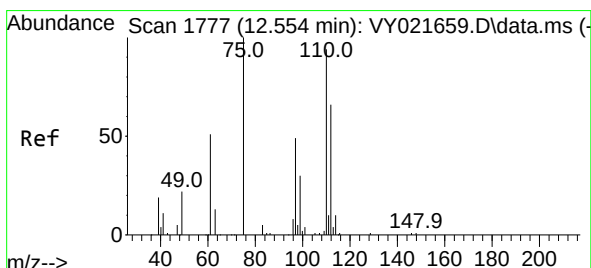
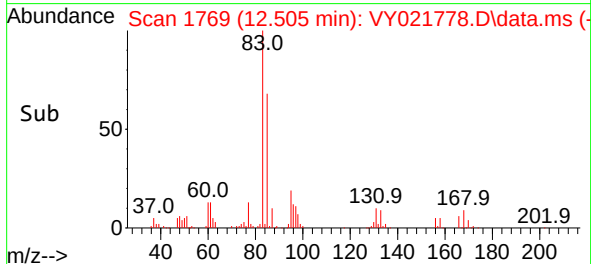
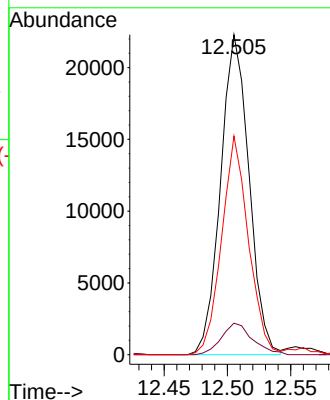
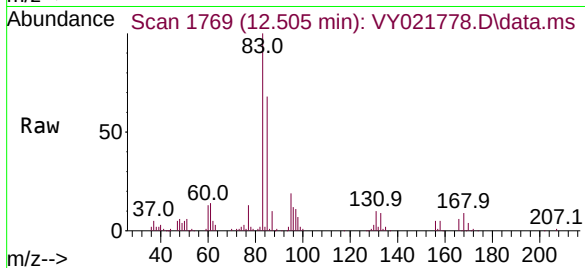
Tgt Ion: 83 Resp: 34853

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.3

85 64.3 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 31.972 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY021778.D

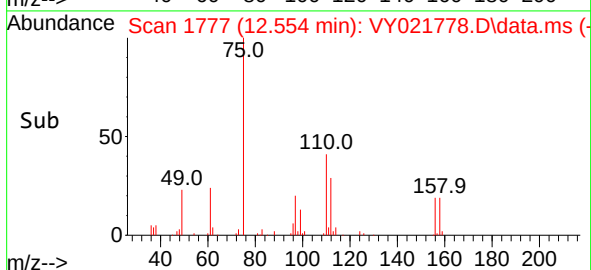
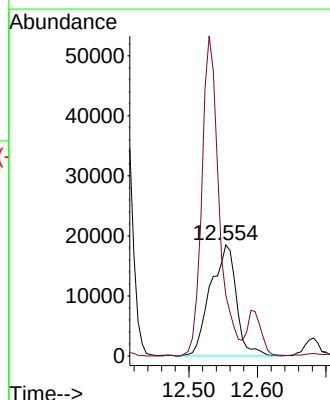
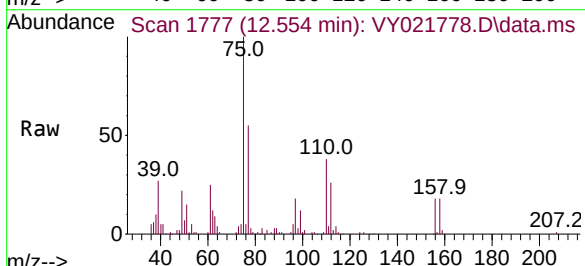
Acq: 04 Apr 2025 10:26

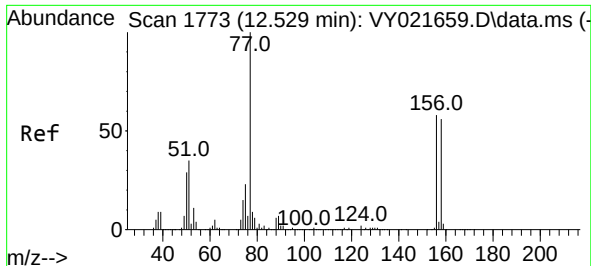
Tgt Ion: 75 Resp: 48429

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

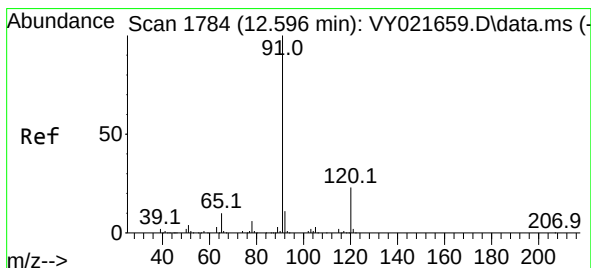
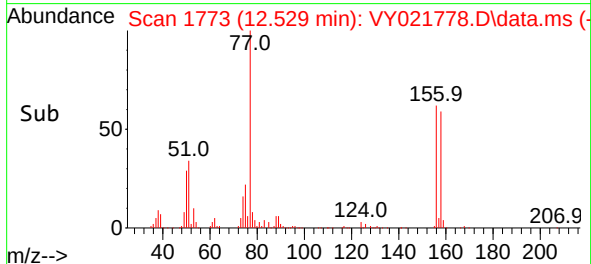
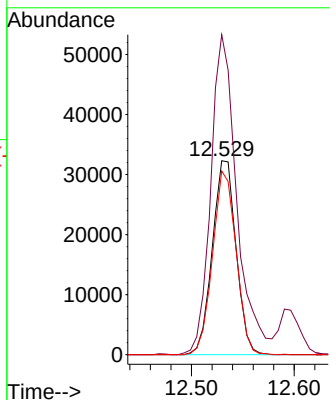
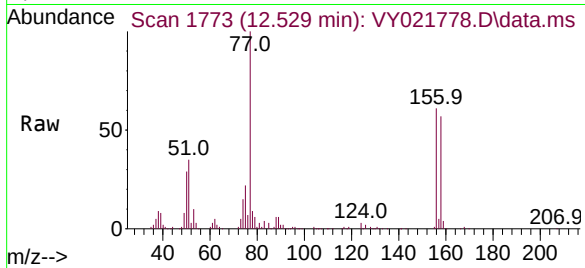




#77
Bromobenzene
Concen: 19.024 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

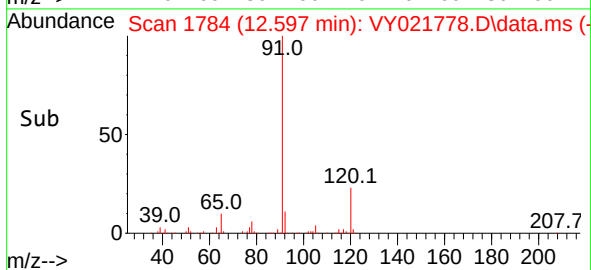
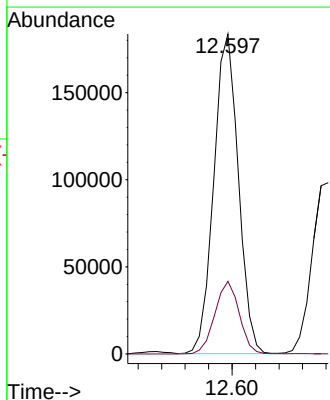
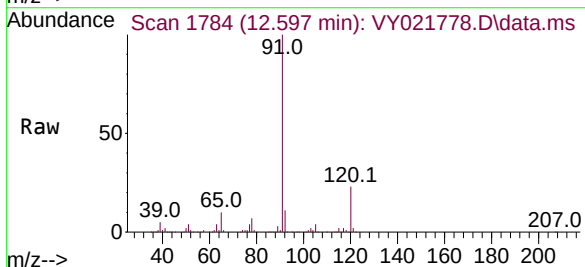
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

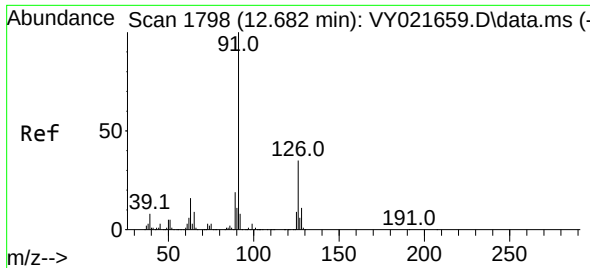
Tgt Ion:156 Resp: 51842
Ion Ratio Lower Upper
156 100
77 181.4 92.8 278.3
158 93.7 48.5 145.6



#78
n-propylbenzene
Concen: 19.496 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 266033
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9

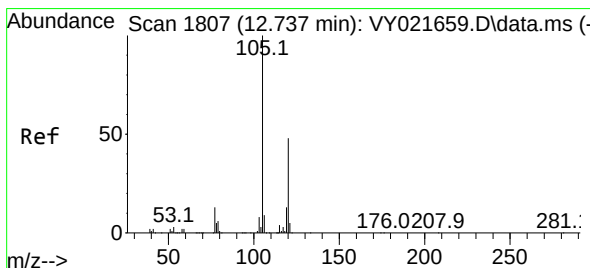
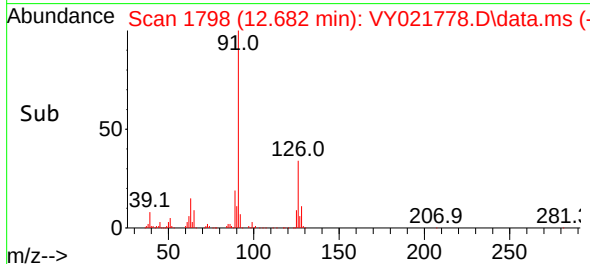
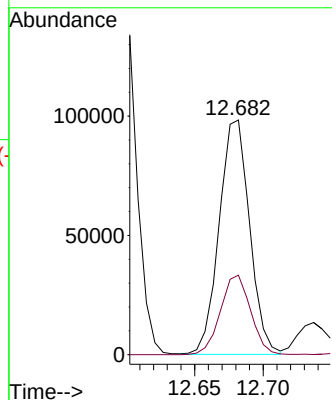
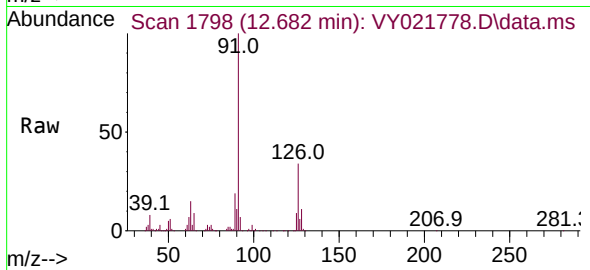




#79
2-Chlorotoluene
Concen: 19.174 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

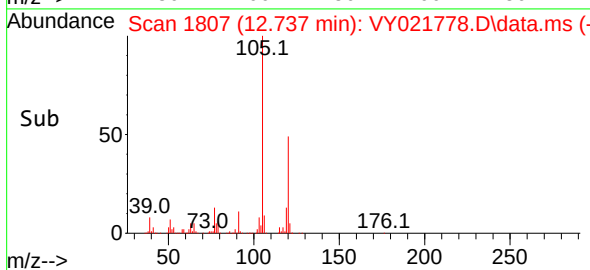
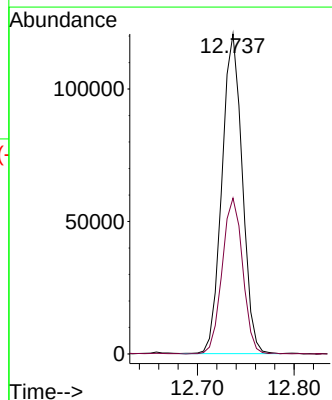
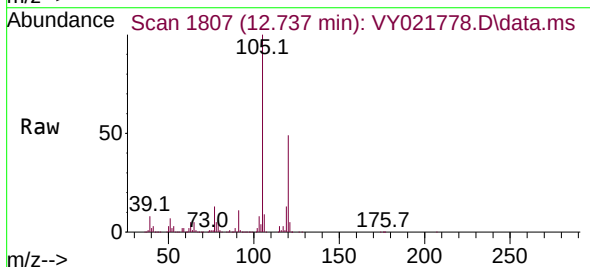
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

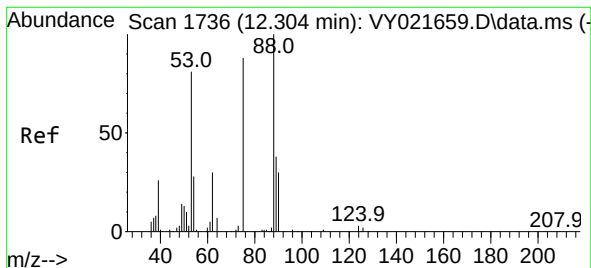
Tgt Ion: 91 Resp: 151959
Ion Ratio Lower Upper
91 100
126 33.6 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 18.945 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 105 Resp: 175739
Ion Ratio Lower Upper
105 100
120 49.5 24.5 73.5

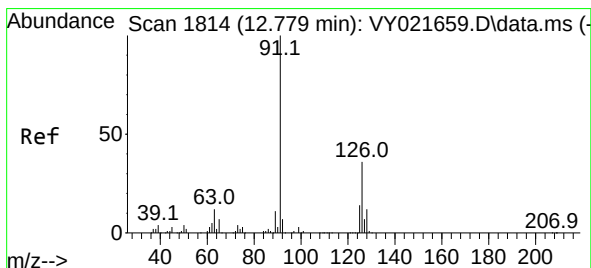
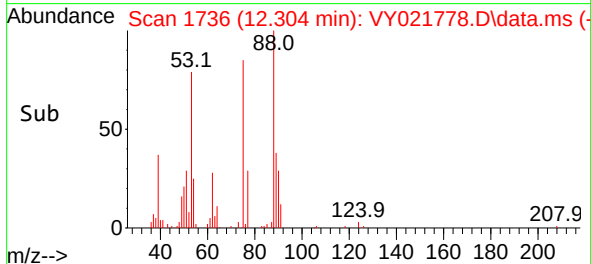
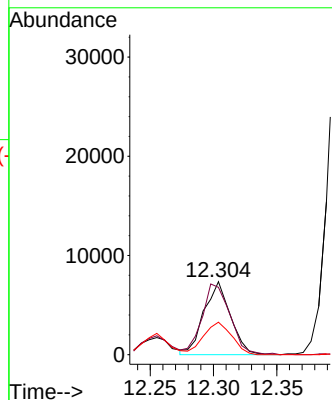
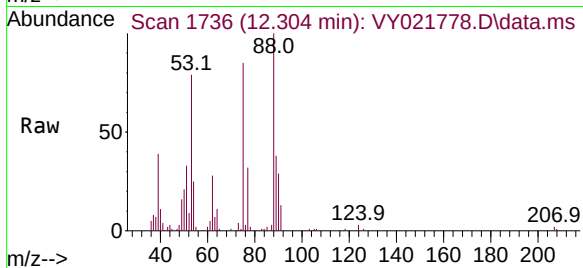




#81
trans-1,4-Dichloro-2-butene
Concen: 16.328 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

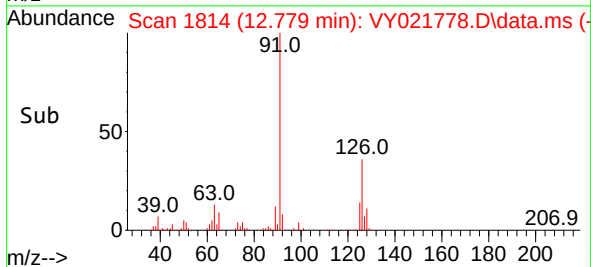
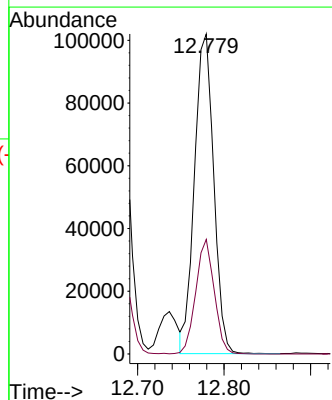
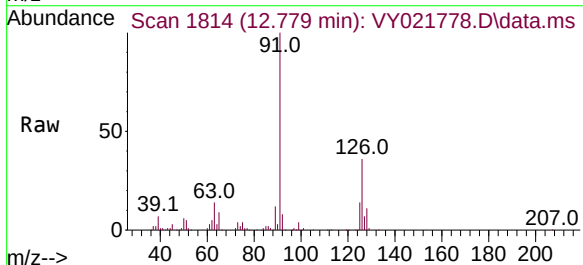
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

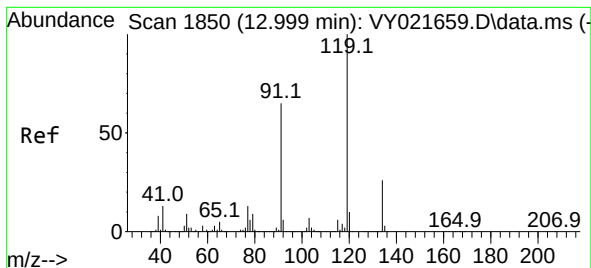
Tgt Ion: 75 Resp: 10734
Ion Ratio Lower Upper
75 100
53 103.1 76.1 114.1
89 46.6 36.2 54.4



#82
4-Chlorotoluene
Concen: 19.006 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 157038
Ion Ratio Lower Upper
91 100
126 34.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 18.633 ug/l

RT: 12.999 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

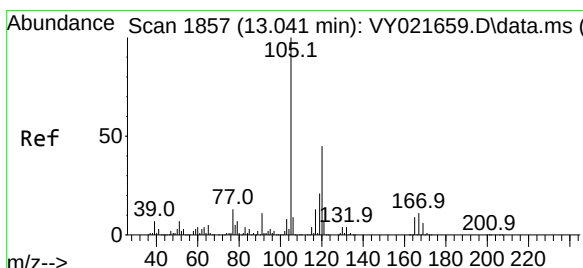
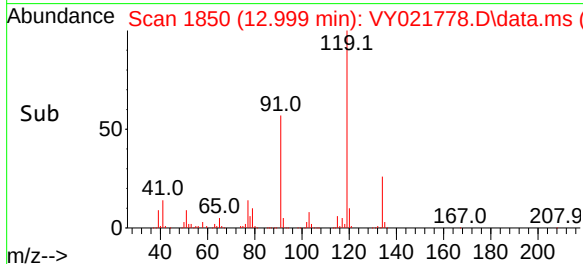
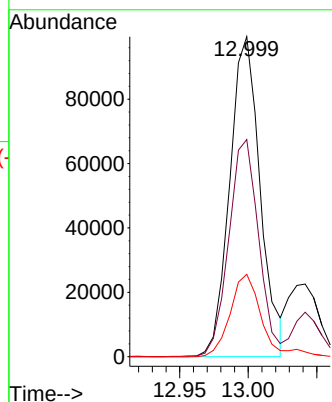
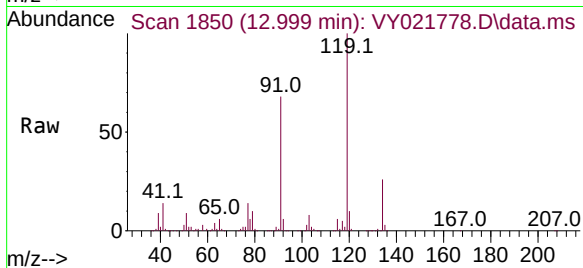
Tgt Ion:119 Resp: 153946

Ion Ratio Lower Upper

119 100

91 66.8 32.6 97.7

134 26.6 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 19.171 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021778.D

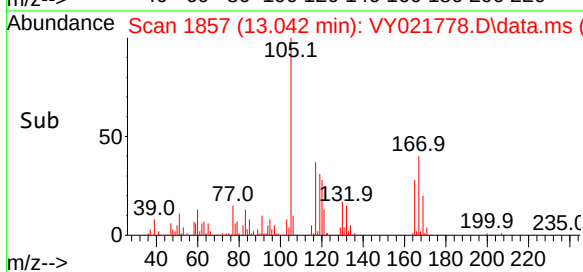
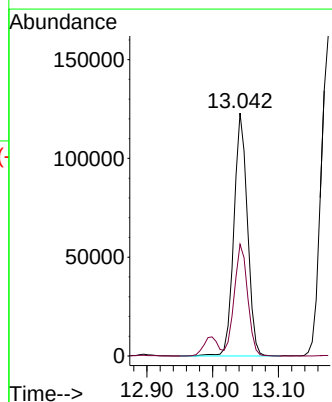
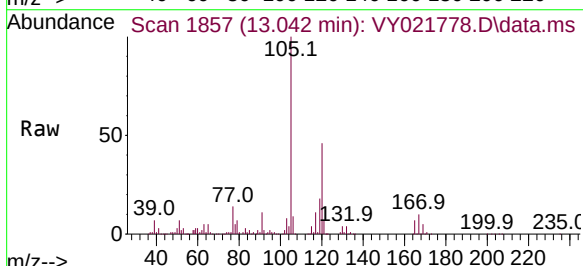
Acq: 04 Apr 2025 10:26

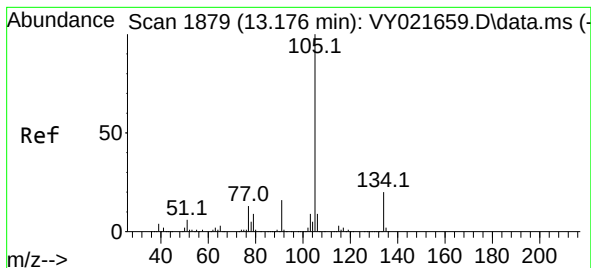
Tgt Ion:105 Resp: 175765

Ion Ratio Lower Upper

105 100

120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.380 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

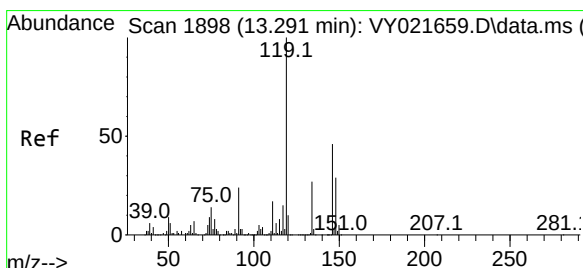
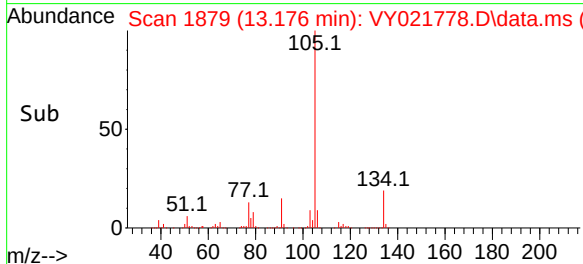
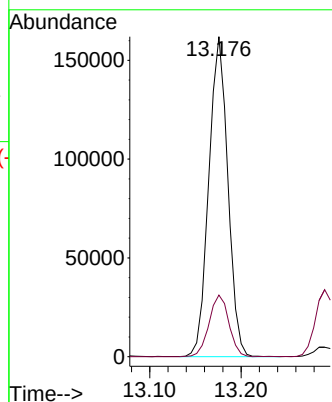
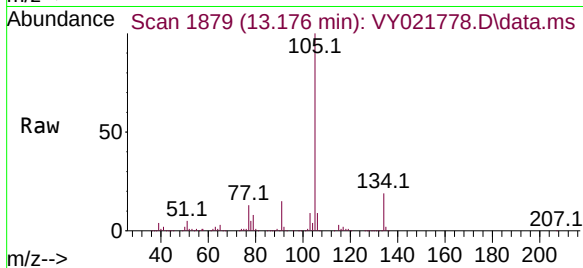
VY0404SBS01

Tgt Ion:105 Resp: 233999

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.362 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

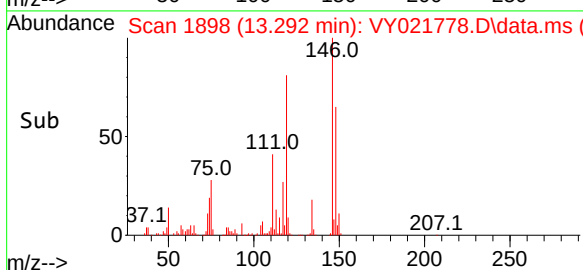
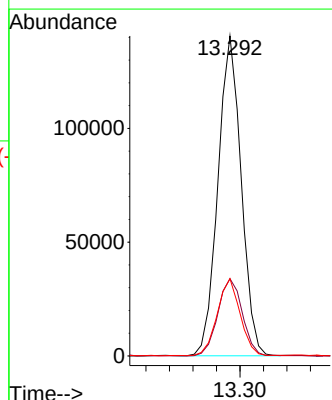
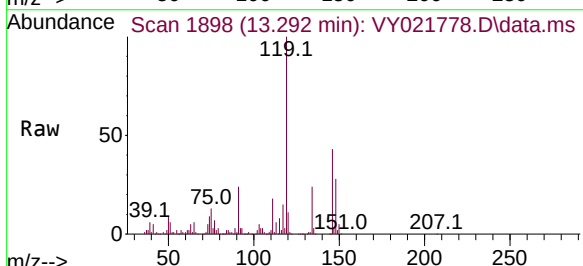
Tgt Ion:119 Resp: 193222

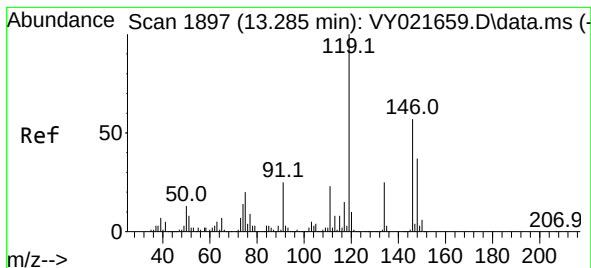
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

91 23.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 18.993 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

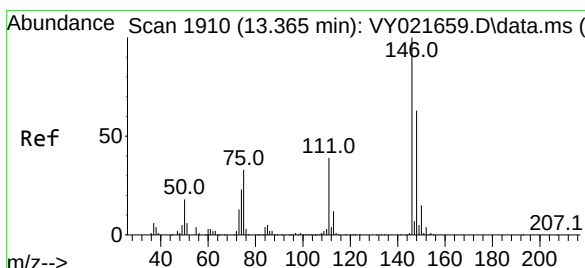
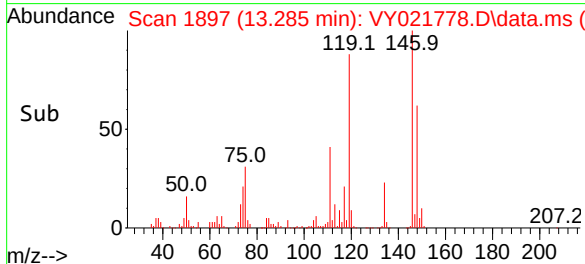
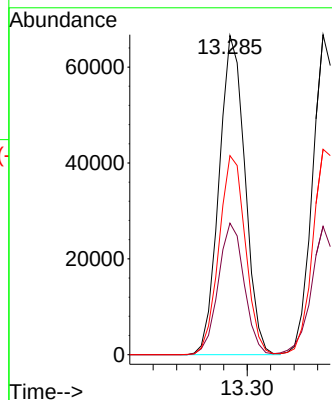
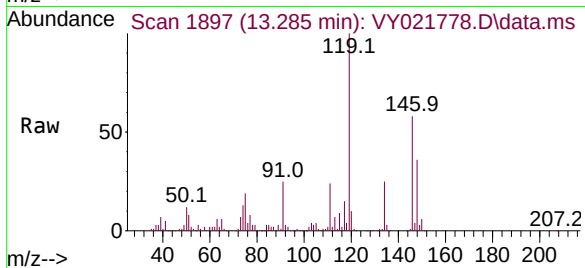
Tgt Ion:146 Resp: 101973

Ion Ratio Lower Upper

146 100

111 41.2 20.0 60.0

148 63.8 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 18.898 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

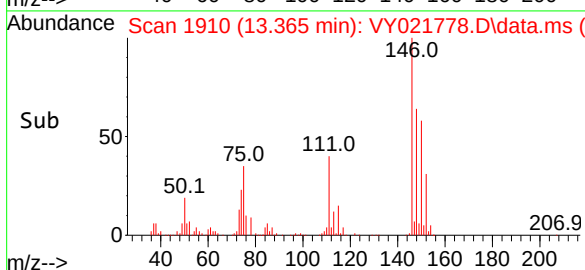
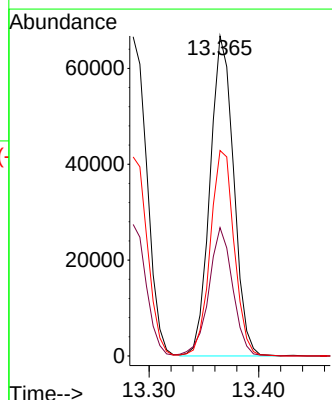
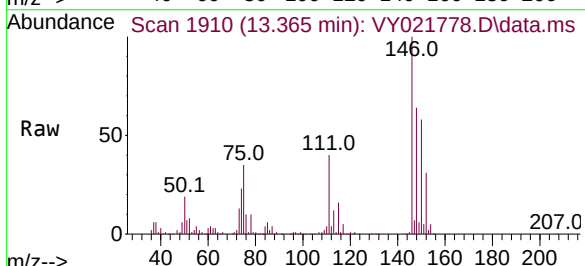
Tgt Ion:146 Resp: 100243

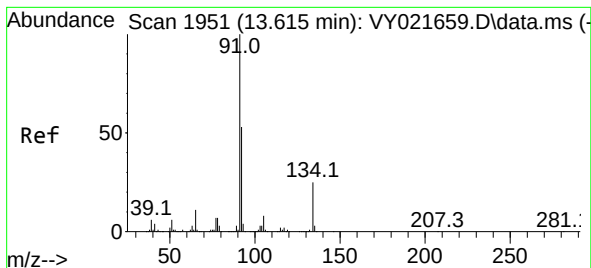
Ion Ratio Lower Upper

146 100

111 40.5 19.1 57.1

148 64.9 31.5 94.5





#89

n-Butylbenzene

Concen: 19.102 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY021778.D

Acq: 04 Apr 2025 10:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

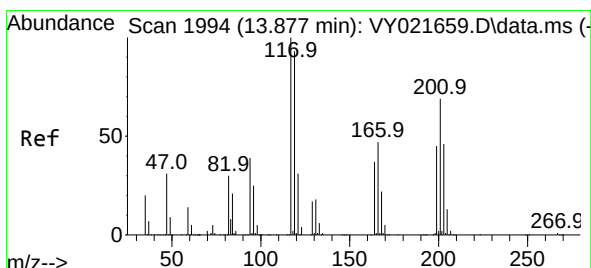
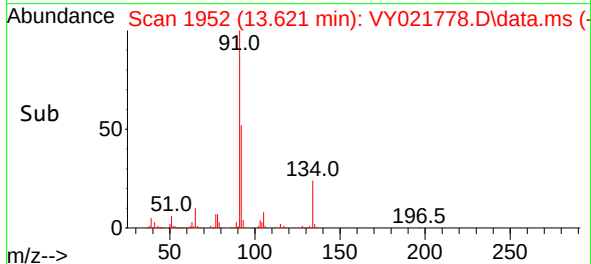
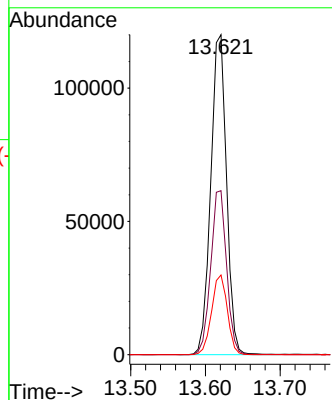
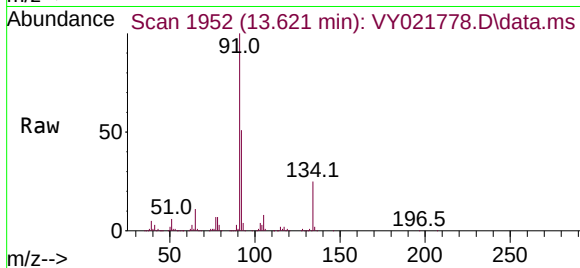
Tgt Ion: 91 Resp: 176297

Ion Ratio Lower Upper

91 100

92 51.7 26.4 79.2

134 24.8 12.8 38.4



#90

Hexachloroethane

Concen: 19.280 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021778.D

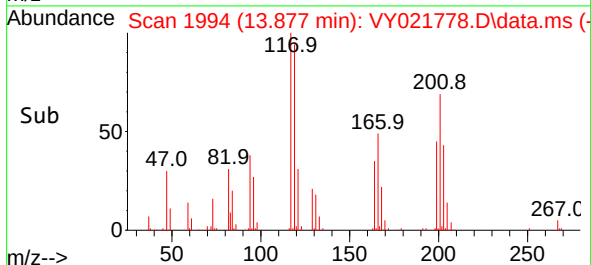
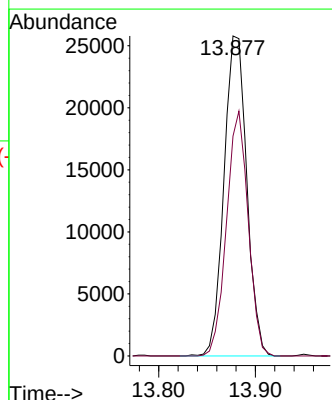
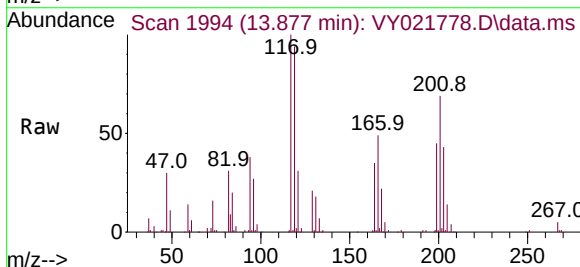
Acq: 04 Apr 2025 10:26

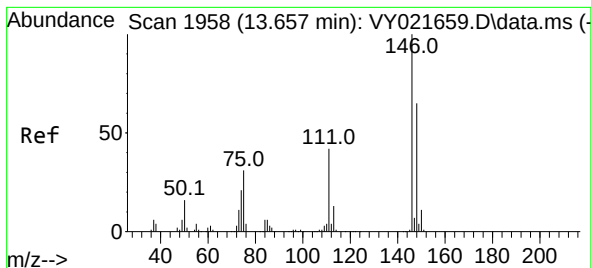
Tgt Ion: 117 Resp: 42163

Ion Ratio Lower Upper

117 100

201 72.7 37.4 112.1

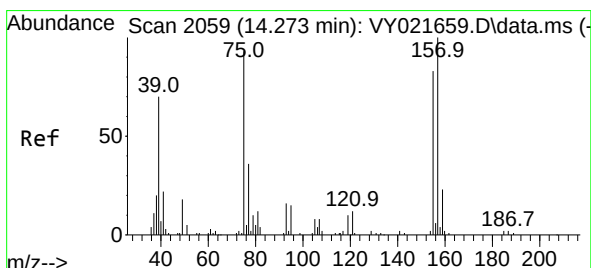
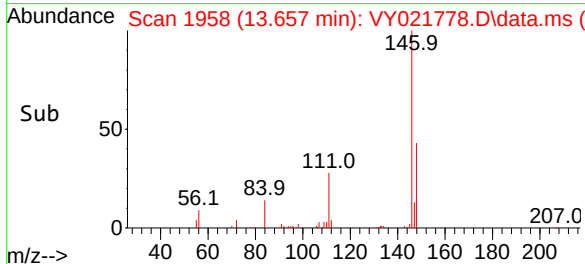
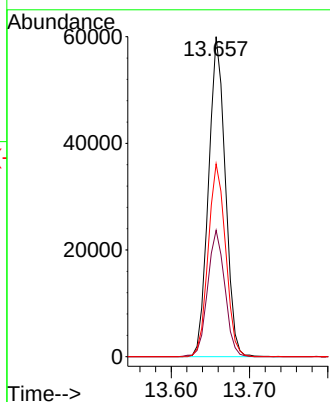
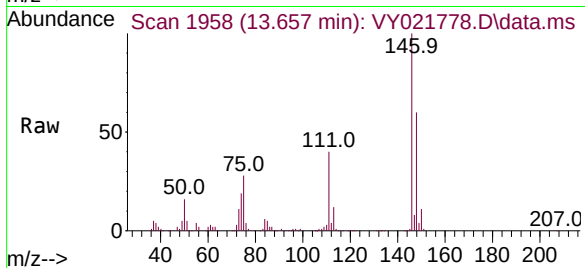




#91
1,2-Dichlorobenzene
Concen: 19.105 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

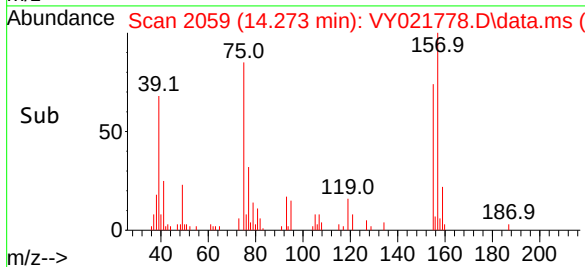
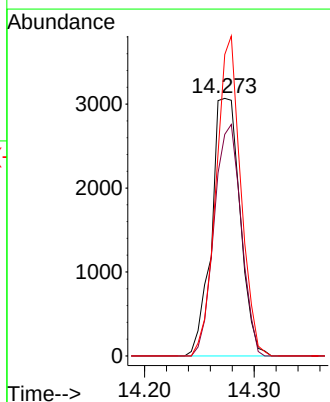
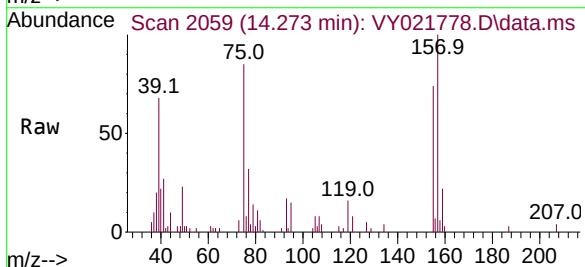
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

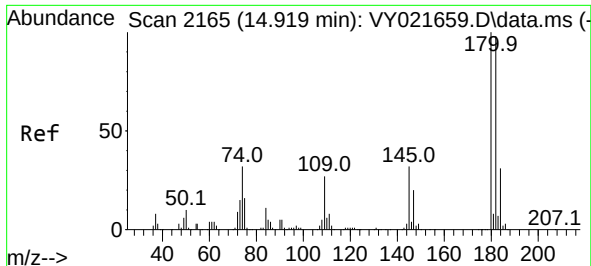
Tgt Ion:146 Resp: 89291
Ion Ratio Lower Upper
146 100
111 40.4 20.7 62.1
148 62.4 32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.494 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 5533
Ion Ratio Lower Upper
75 100
155 85.2 43.0 128.8
157 107.3 54.0 162.0

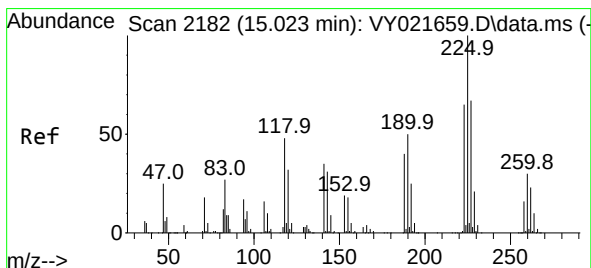
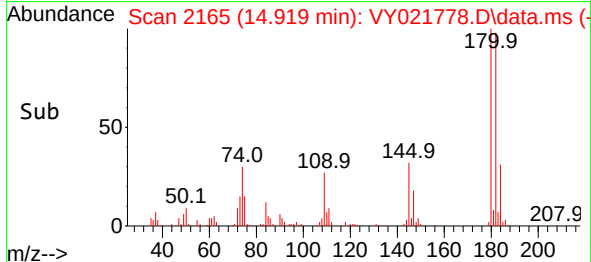
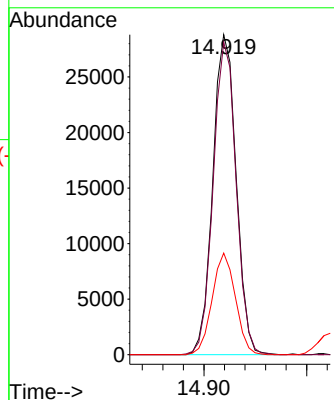
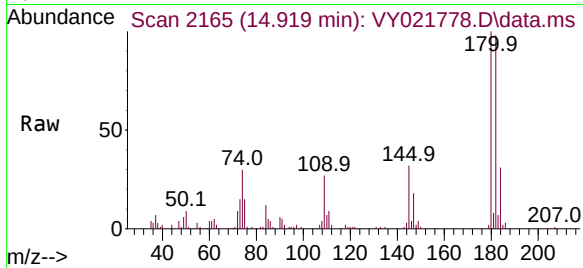




#93
 1,2,4-Trichlorobenzene
 Concen: 17.892 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: VY021778.D
 Acq: 04 Apr 2025 10:26

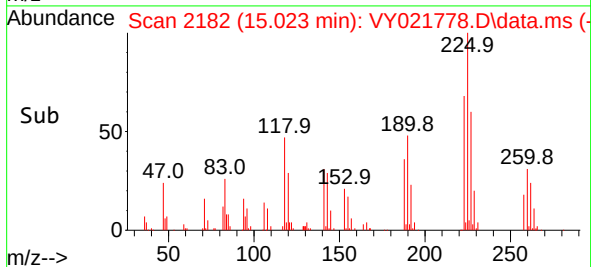
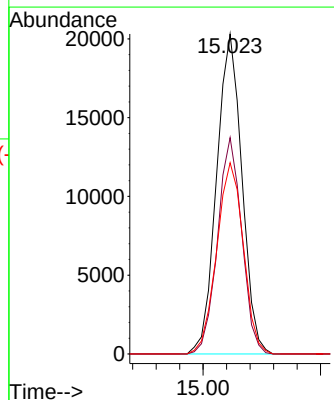
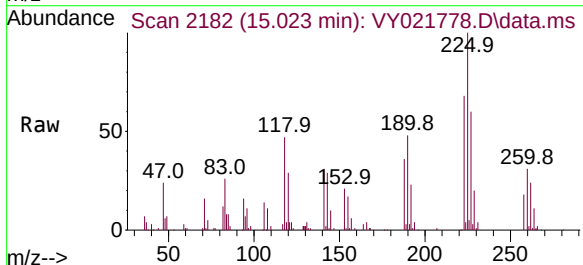
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

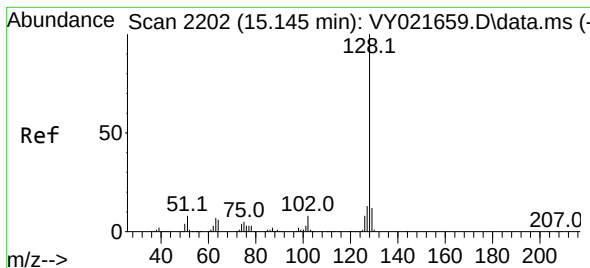
Tgt Ion:180 Resp: 45347
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.5 142.6
 145 31.7 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 19.201 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. 0.000 min
 Lab File: VY021778.D
 Acq: 04 Apr 2025 10:26

Tgt Ion:225 Resp: 30393
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.9 95.7
 227 62.7 32.4 97.0

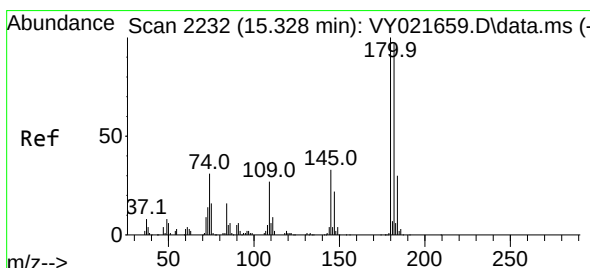
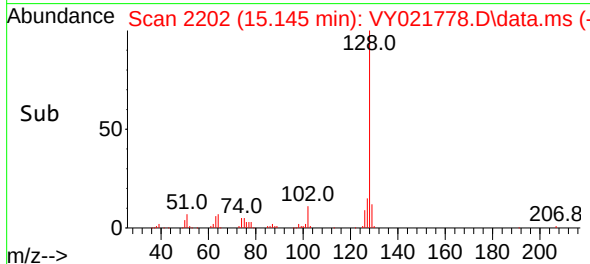
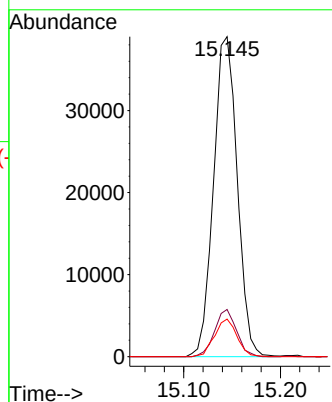
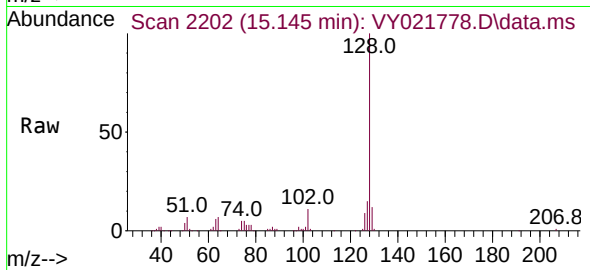




#95
Naphthalene
Concen: 15.803 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

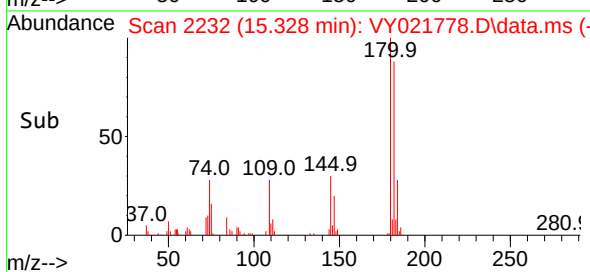
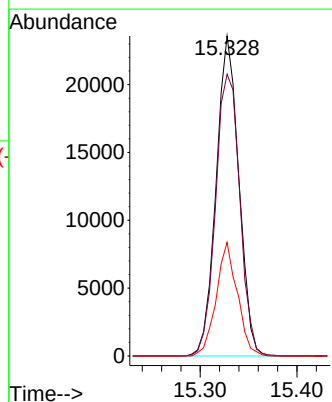
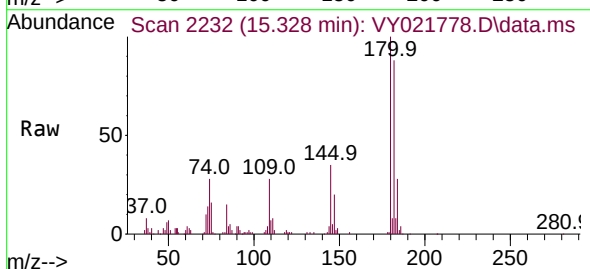
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:128 Resp: 66390
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.723 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:180 Resp: 38305
Ion Ratio Lower Upper
180 100
182 94.0 47.5 142.5
145 33.1 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021779.D
 Acq On : 04 Apr 2025 10:49
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Quant Time: Apr 04 23:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	222129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	299516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151992	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119747	49.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.520%
35) Dibromofluoromethane	7.634	113	115582	52.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.140%
50) Toluene-d8	10.103	98	437387	51.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.600%
62) 4-Bromofluorobenzene	12.408	95	145713	51.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	42153	18.309	ug/l	98
3) Chloromethane	2.068	50	59338	18.329	ug/l	98
4) Vinyl Chloride	2.202	62	66651	18.205	ug/l	98
5) Bromomethane	2.592	94	47838	19.158	ug/l	96
6) Chloroethane	2.732	64	44266	18.477	ug/l	99
7) Trichlorofluoromethane	3.056	101	86996	18.549	ug/l	97
8) Diethyl Ether	3.458	74	23057	18.078	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	47581	19.235	ug/l	98
10) Methyl Iodide	4.000	142	47402	17.468	ug/l	99
11) Tert butyl alcohol	4.872	59	13129	83.987	ug/l	96
12) 1,1-Dichloroethene	3.787	96	43256	18.565	ug/l	94
13) Acrolein	3.653	56	17313	60.655	ug/l	95
14) Allyl chloride	4.385	41	67244	18.101	ug/l	99
15) Acrylonitrile	5.055	53	47972	90.082	ug/l	99
16) Acetone	3.872	43	39791	80.784	ug/l	96
17) Carbon Disulfide	4.104	76	136817	17.828	ug/l	99
18) Methyl Acetate	4.378	43	21903	17.942	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	102651	17.696	ug/l	97
20) Methylene Chloride	4.610	84	48920	17.807	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	47181	18.392	ug/l	94
22) Diisopropyl ether	6.018	45	146004	18.736	ug/l	97
23) Vinyl Acetate	5.957	43	405658	88.983	ug/l	100
24) 1,1-Dichloroethane	5.909	63	87235	18.721	ug/l	99
25) 2-Butanone	6.896	43	59419	84.459	ug/l	99
26) 2,2-Dichloropropane	6.884	77	77434	18.682	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53338	18.489	ug/l	99
28) Bromochloromethane	7.244	49	38032	19.353	ug/l	99
29) Tetrahydrofuran	7.262	42	39739	87.766	ug/l	99
30) Chloroform	7.421	83	90247	18.621	ug/l	98
31) Cyclohexane	7.701	56	75857	17.858	ug/l #	94
32) 1,1,1-Trichloroethane	7.616	97	83924	19.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66042	19.535	ug/l	99
37) Ethyl Acetate	6.982	43	29052	18.209	ug/l	99
38) Carbon Tetrachloride	7.817	117	75873	19.595	ug/l	98
39) Methylcyclohexane	9.109	83	74878	18.540	ug/l	97
40) Benzene	8.079	78	193271	19.090	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021779.D
 Acq On : 04 Apr 2025 10:49
 Operator : SY/MD
 Sample : VY0404SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	11507	13.580	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	54392	19.057	ug/l	100
43) Isopropyl Acetate	8.195	43	54667	18.080	ug/l	99
44) Trichloroethene	8.865	130	50130	19.433	ug/l	98
45) 1,2-Dichloropropane	9.140	63	46400	19.361	ug/l	100
46) Dibromomethane	9.231	93	25939	18.781	ug/l	98
47) Bromodichloromethane	9.420	83	69458	19.408	ug/l	99
48) Methyl methacrylate	9.219	41	25306	18.236	ug/l	97
49) 1,4-Dioxane	9.231	88	5687	384.365	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	141751	90.088	ug/l	99
52) Toluene	10.170	92	119838	18.972	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	59854	18.829	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69651	18.573	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	34633	19.485	ug/l	99
56) Ethyl methacrylate	10.438	69	40910	18.026	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57918	18.868	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	105979	95.722	ug/l	100
59) 2-Hexanone	10.761	43	92448	88.221	ug/l	98
60) Dibromochloromethane	10.908	129	46610	19.207	ug/l	99
61) 1,2-Dibromoethane	11.011	107	31579	18.940	ug/l	99
64) Tetrachloroethene	10.646	164	55676	20.410	ug/l	99
65) Chlorobenzene	11.444	112	131622	19.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	46936	19.267	ug/l	99
67) Ethyl Benzene	11.517	91	223644	18.996	ug/l	99
68) m/p-Xylenes	11.627	106	173569	38.499	ug/l	99
69) o-Xylene	11.956	106	78213	18.794	ug/l	98
70) Styrene	11.969	104	132607	19.111	ug/l	99
71) Bromoform	12.133	173	27344	19.678	ug/l #	99
73) Isopropylbenzene	12.255	105	211355	18.722	ug/l	100
74) N-amyl acetate	12.072	43	45960	17.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36248	17.859	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	49009	32.529	ug/l #	100
77) Bromobenzene	12.529	156	50842	18.757	ug/l	99
78) n-propylbenzene	12.597	91	259575	19.126	ug/l	100
79) 2-Chlorotoluene	12.676	91	149376	18.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	174371	18.899	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11725	17.932	ug/l	98
82) 4-Chlorotoluene	12.779	91	156430	19.034	ug/l	100
83) tert-Butylbenzene	12.999	119	154652	18.819	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	173659	19.044	ug/l	99
85) sec-Butylbenzene	13.176	105	231681	19.291	ug/l	100
86) p-Isopropyltoluene	13.291	119	190946	19.237	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	102012	19.103	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	99610	18.879	ug/l	97
89) n-Butylbenzene	13.615	91	171547	18.688	ug/l	99
90) Hexachloroethane	13.877	117	41020	18.858	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	89545	19.263	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5695	18.104	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	46354	18.388	ug/l	99
94) Hexachlorobutadiene	15.023	225	30099	19.118	ug/l	99
95) Naphthalene	15.145	128	71772	17.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39094	18.186	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

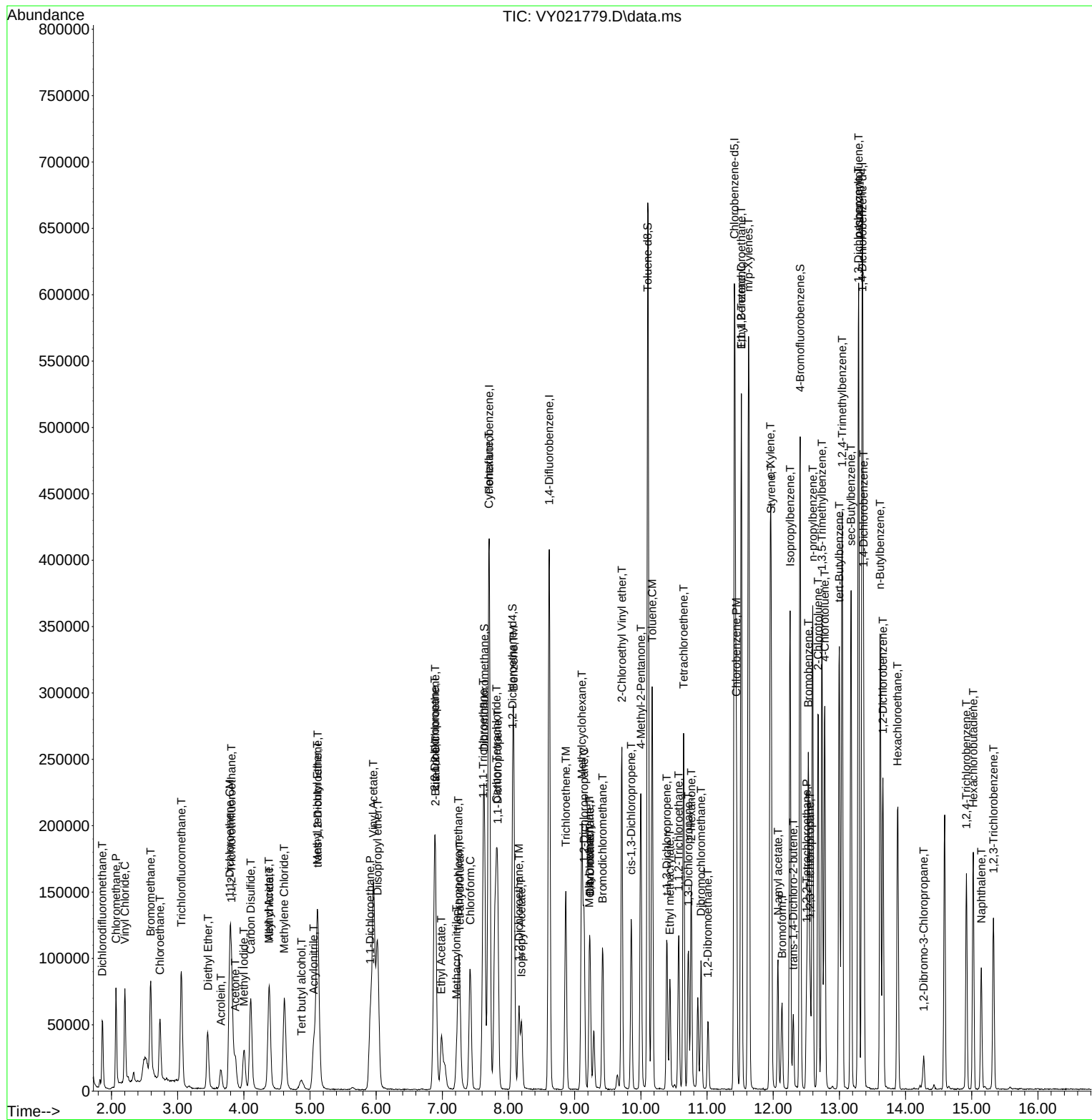
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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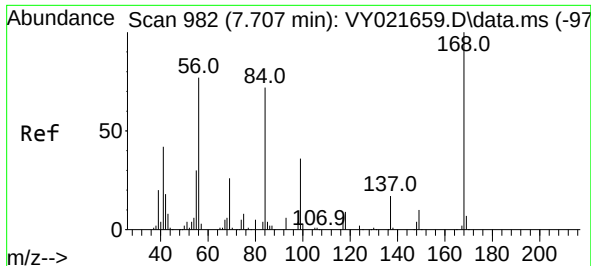
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021779.D
 Acq On : 04 Apr 2025 10:49
 Operator : SY/MD
 Sample : VY0404SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

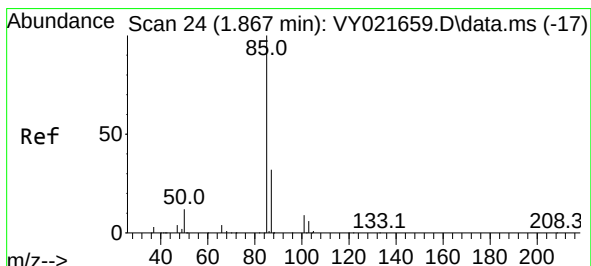
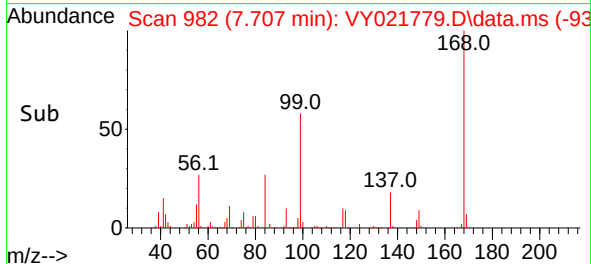
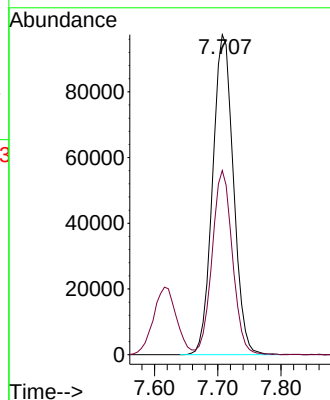
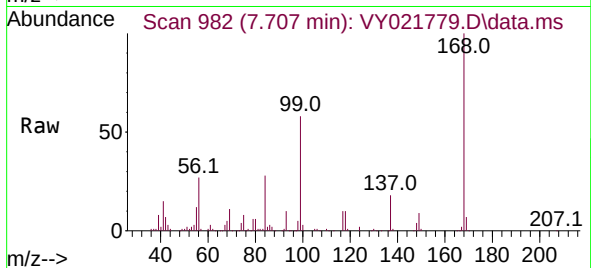




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

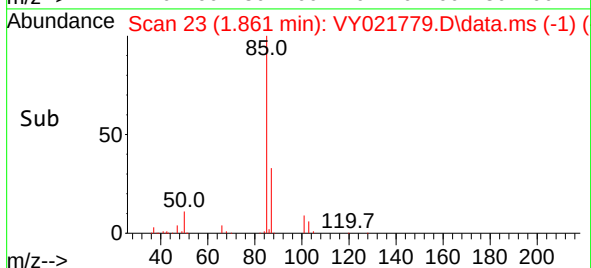
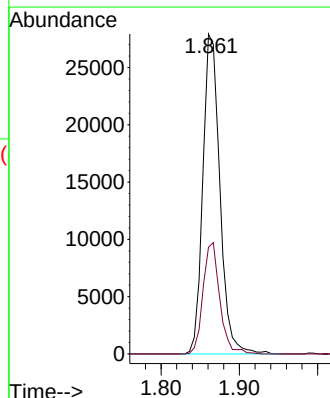
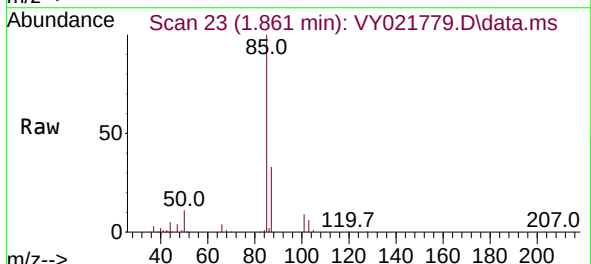
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

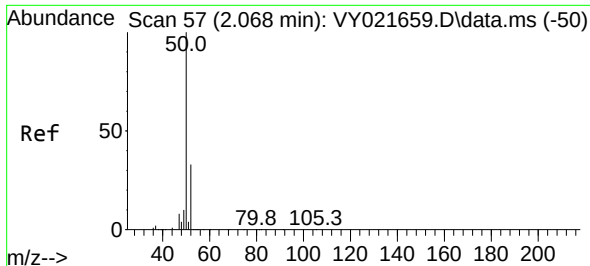
Tgt Ion:168 Resp: 222129
Ion Ratio Lower Upper
168 100
99 57.6 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 18.309 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 85 Resp: 42153
Ion Ratio Lower Upper
85 100
87 33.3 16.2 48.6

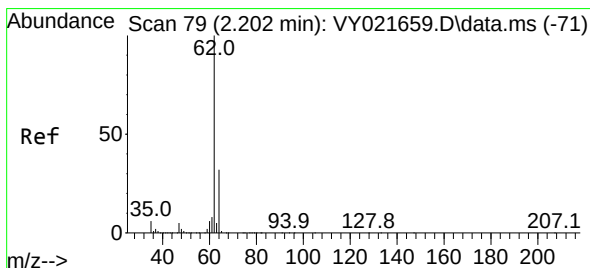
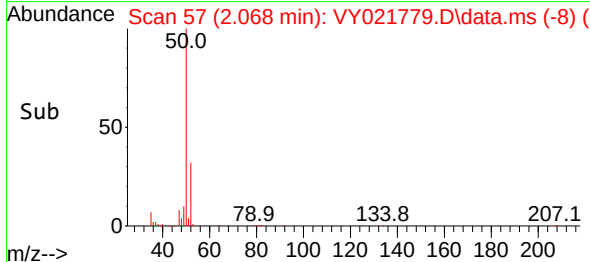
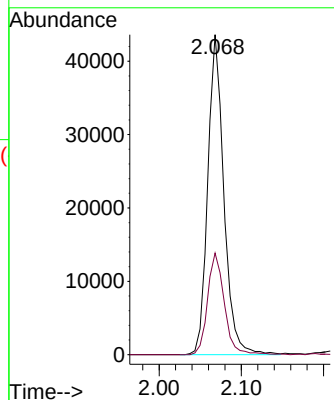
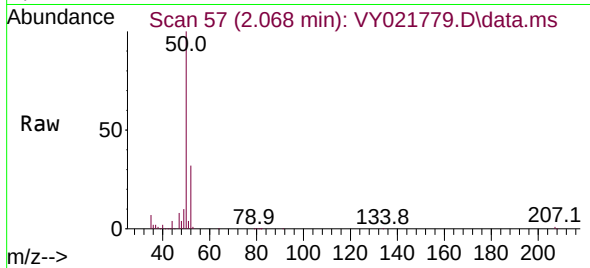




#3
Chloromethane
Concen: 18.329 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

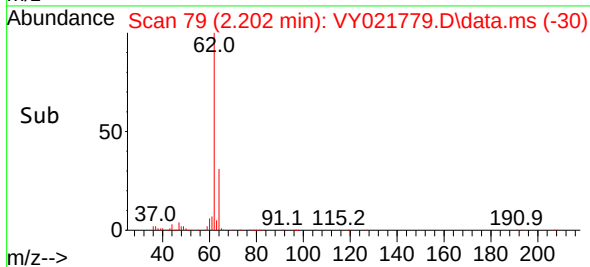
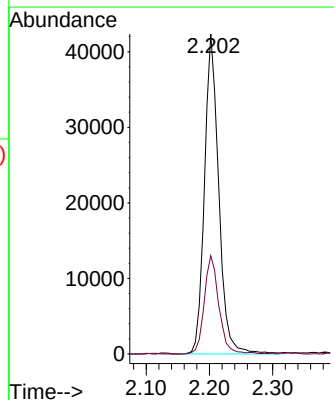
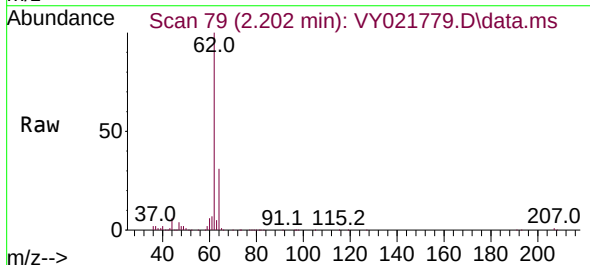
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

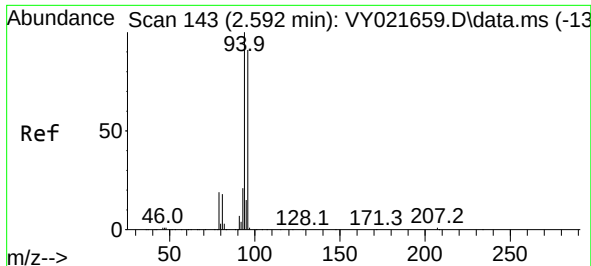
Tgt Ion: 50 Resp: 59338
Ion Ratio Lower Upper
50 100
52 31.8 26.3 39.5



#4
Vinyl Chloride
Concen: 18.205 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 66651
Ion Ratio Lower Upper
62 100
64 30.7 25.5 38.3

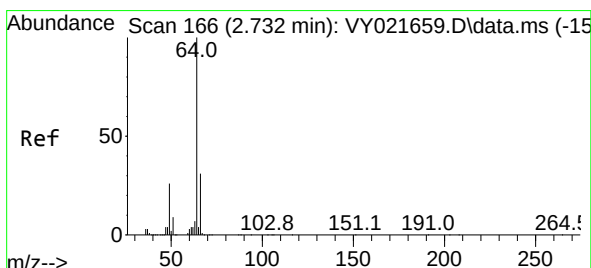
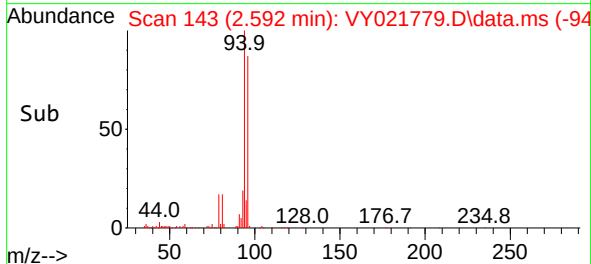
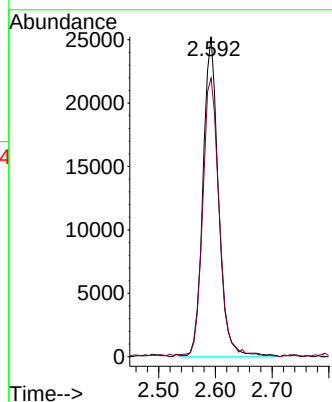
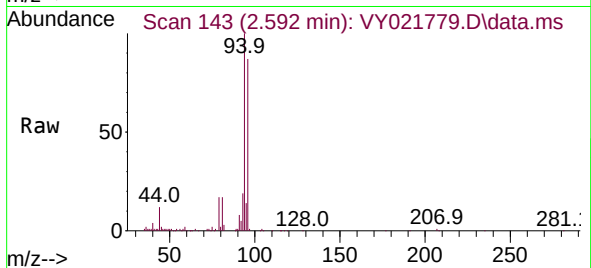




#5
Bromomethane
Concen: 19.158 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

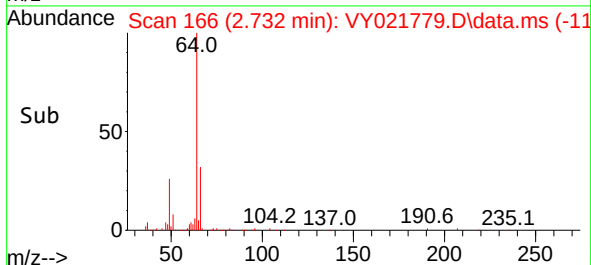
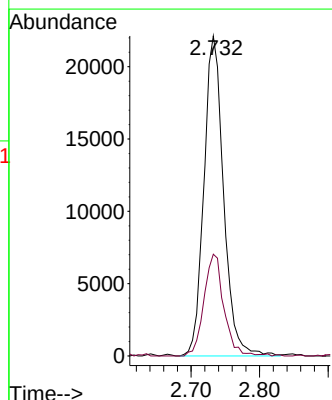
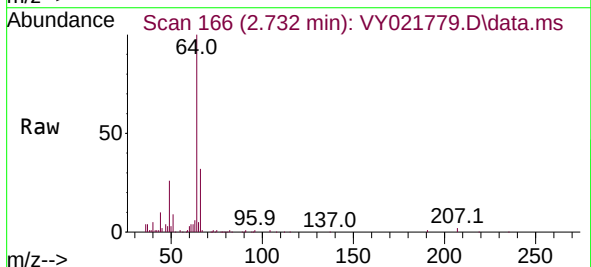
Instrument :
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ClientSampleId :
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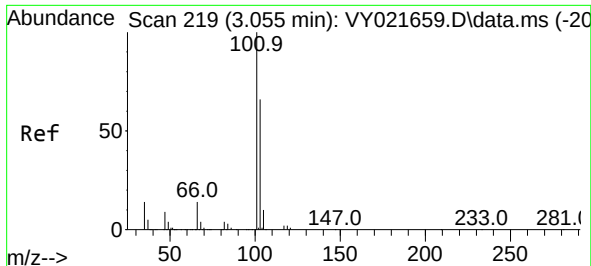
Tgt Ion: 94 Resp: 47838
Ion Ratio Lower Upper
94 100
96 87.0 72.8 109.2



#6
Chloroethane
Concen: 18.477 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 64 Resp: 44266
Ion Ratio Lower Upper
64 100
66 31.8 24.9 37.3

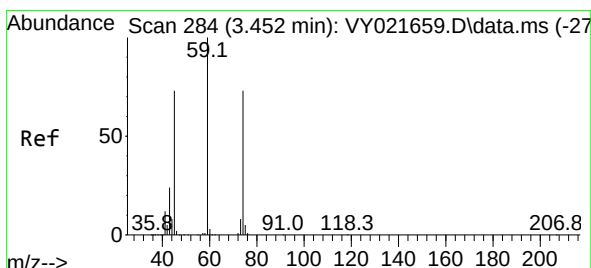
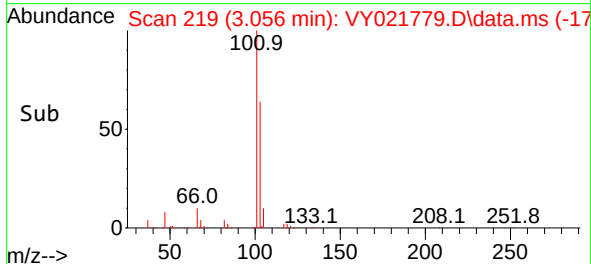
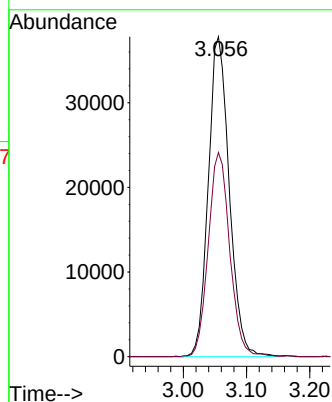
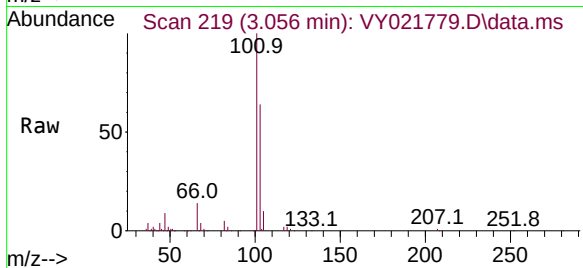




#7
 Trichlorofluoromethane
 Concen: 18.549 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

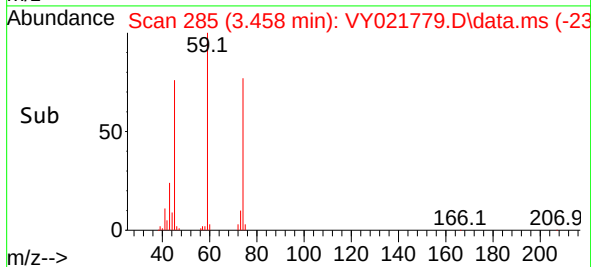
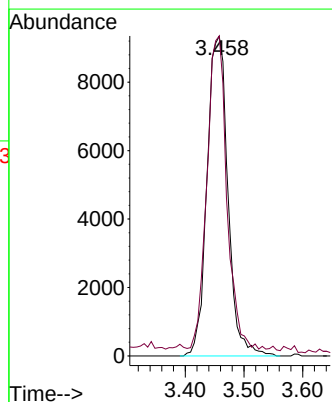
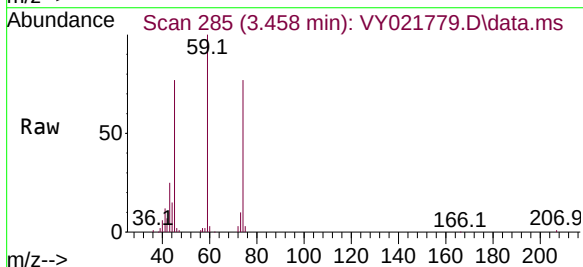
Instrument :
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 ClientSampleId :
 VY0404SBS01

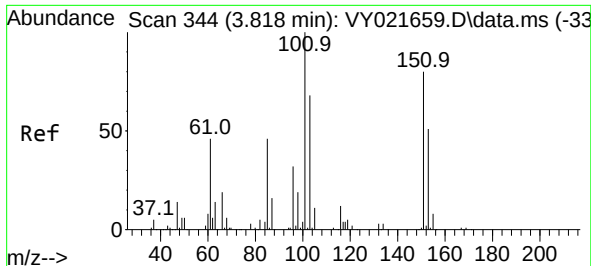
Tgt Ion:101 Resp: 86996
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.1 79.7



#8
 Diethyl Ether
 Concen: 18.078 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.006 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

Tgt Ion: 74 Resp: 23057
 Ion Ratio Lower Upper
 74 100
 45 92.7 48.6 145.8

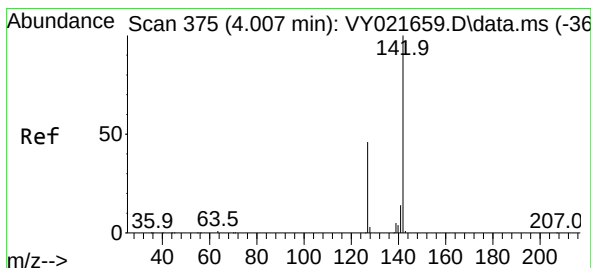
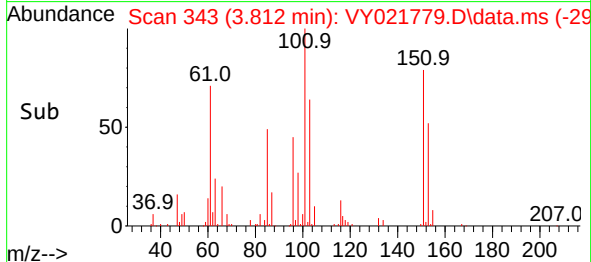
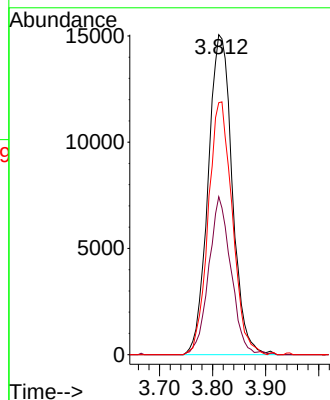
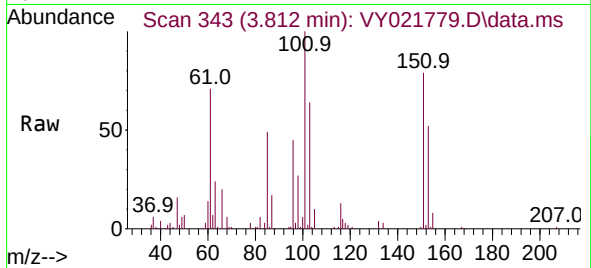




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.235 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

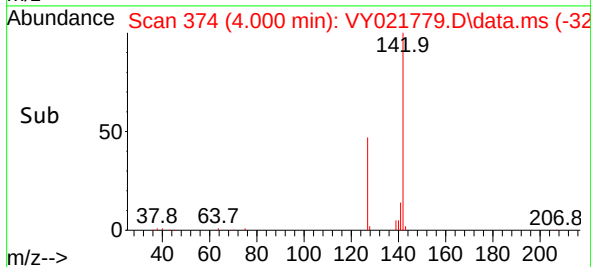
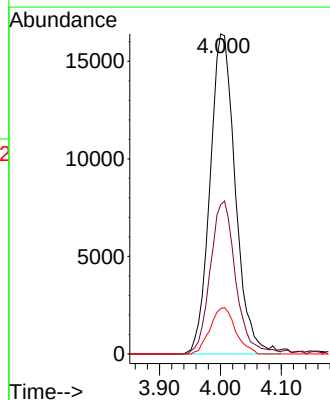
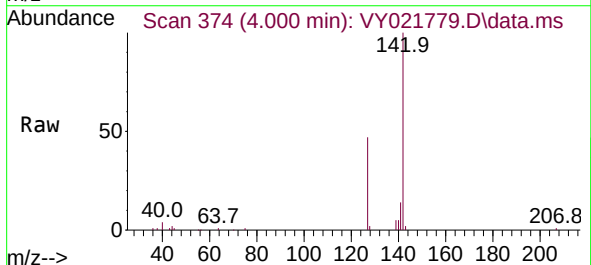
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

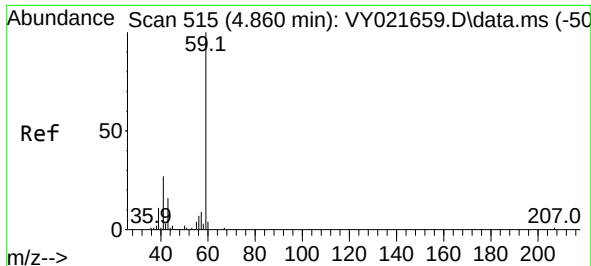
Tgt Ion:101 Resp: 47581
Ion Ratio Lower Upper
101 100
85 45.2 36.3 54.5
151 78.7 61.3 91.9



#10
Methyl Iodide
Concen: 17.468 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:142 Resp: 47402
Ion Ratio Lower Upper
142 100
127 47.8 38.7 58.1
141 14.5 11.5 17.3

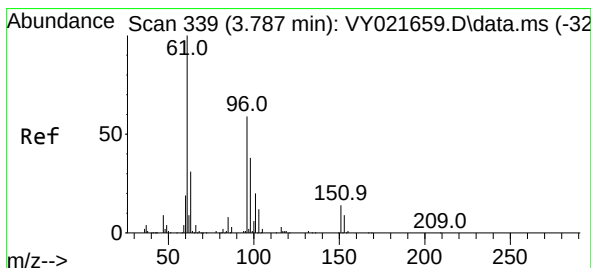
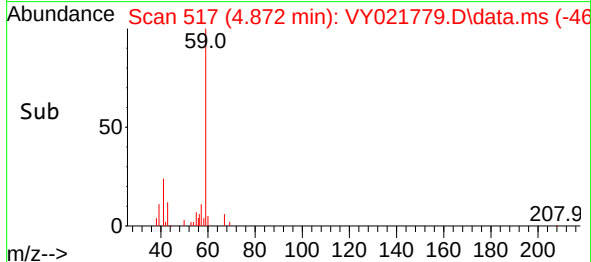
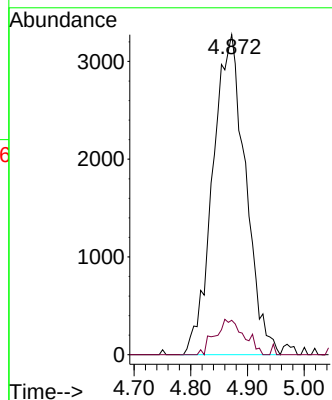
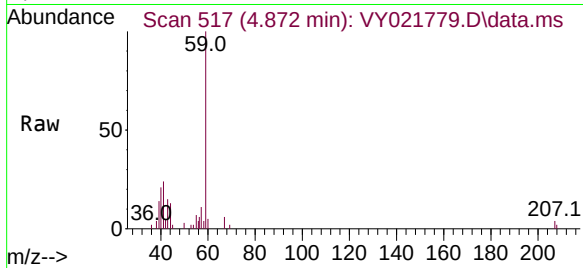




#11
Tert butyl alcohol
Concen: 83.987 ug/l
RT: 4.872 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

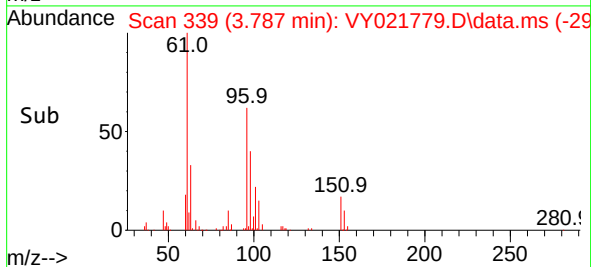
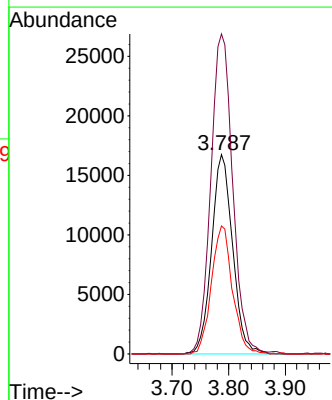
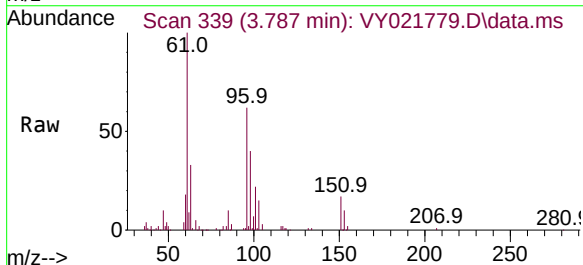
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

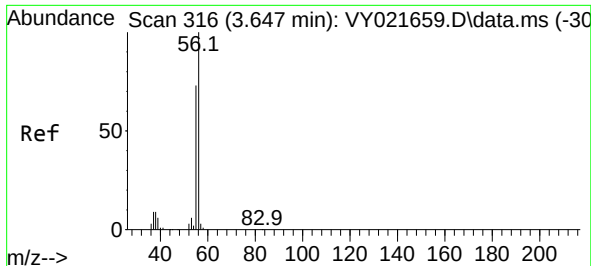
Tgt Ion: 59 Resp: 13129
Ion Ratio Lower Upper
59 100
57 9.8 9.2 13.8



#12
1,1-Dichloroethene
Concen: 18.565 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 96 Resp: 43256
Ion Ratio Lower Upper
96 100
61 160.5 136.6 204.8
98 64.2 52.3 78.5

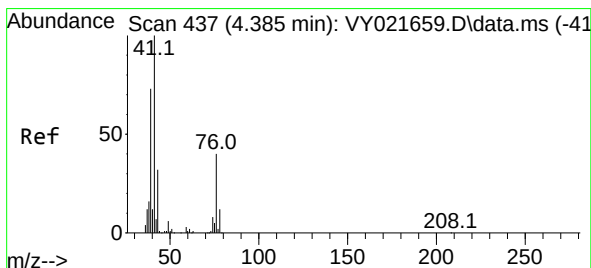
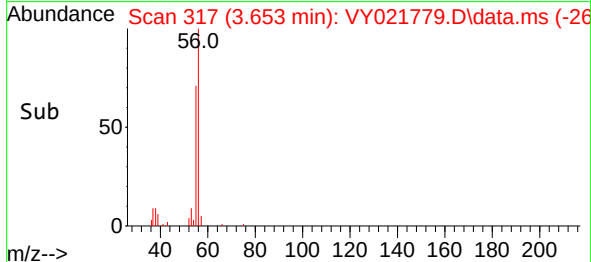
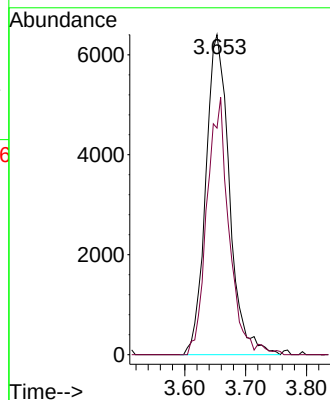
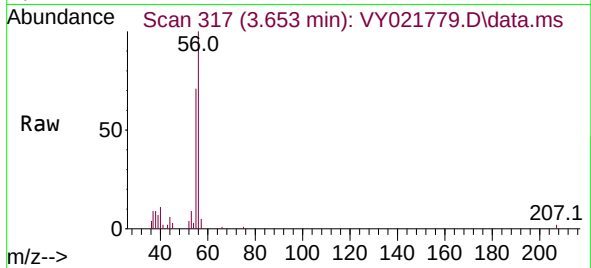




#13
Acrolein
Concen: 60.655 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

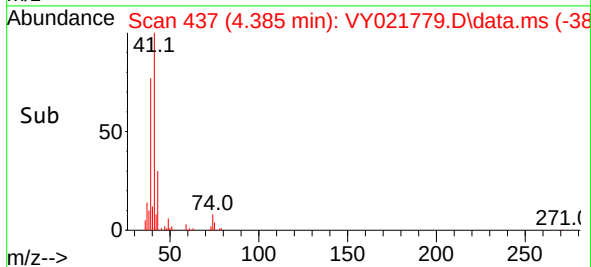
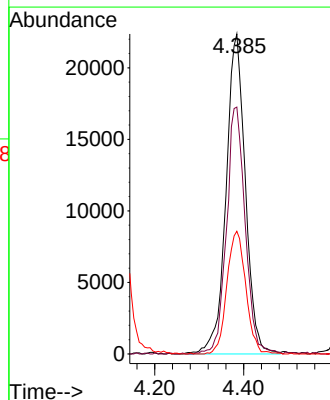
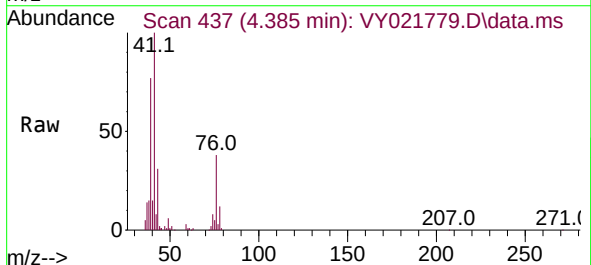
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

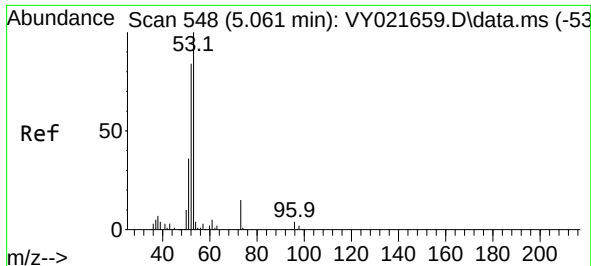
Tgt Ion: 56 Resp: 17313
Ion Ratio Lower Upper
56 100
55 75.3 56.6 85.0



#14
Allyl chloride
Concen: 18.101 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 41 Resp: 67244
Ion Ratio Lower Upper
41 100
39 74.9 58.6 88.0
76 37.7 30.3 45.5

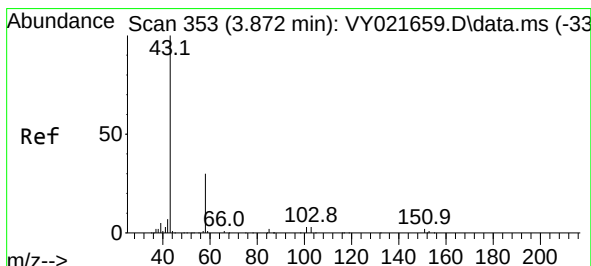
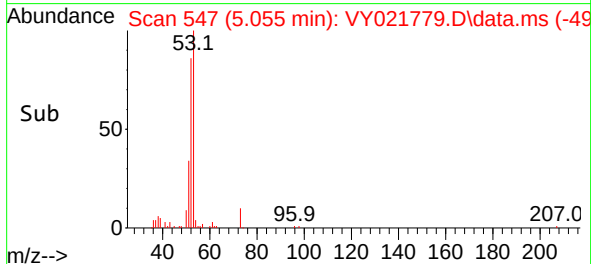
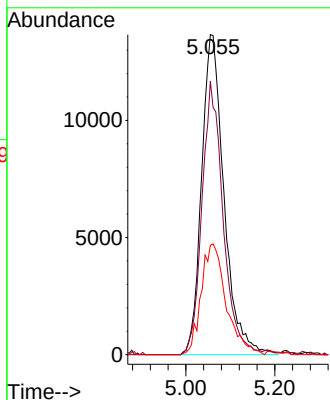
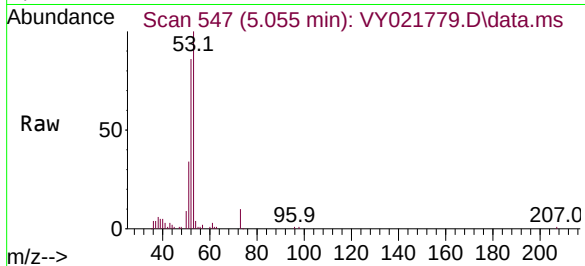




#15
Acrylonitrile
Concen: 90.082 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

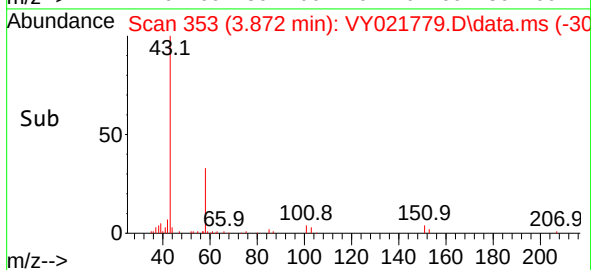
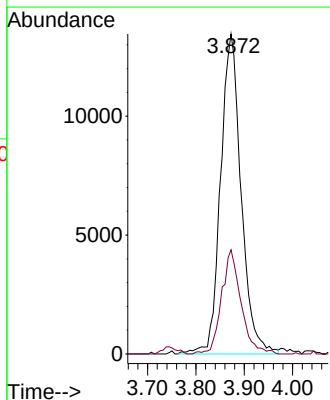
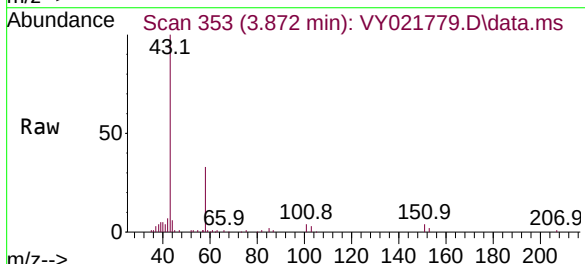
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

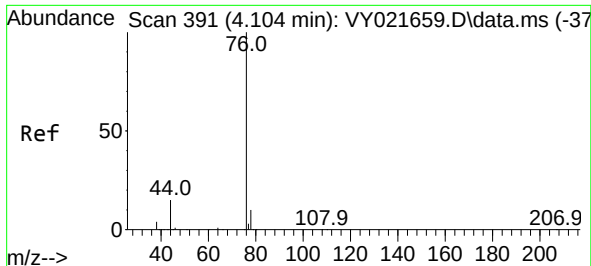
Tgt Ion: 53 Resp: 47972
Ion Ratio Lower Upper
53 100
52 80.3 64.9 97.3
51 38.6 30.2 45.2



#16
Acetone
Concen: 80.784 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 39791
Ion Ratio Lower Upper
43 100
58 32.5 24.2 36.4

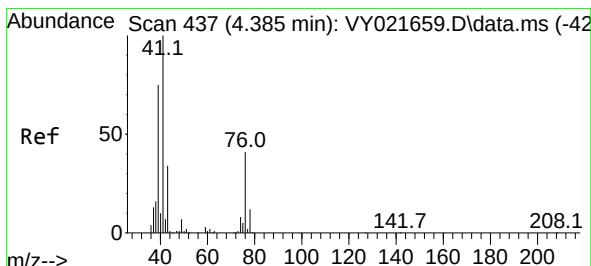
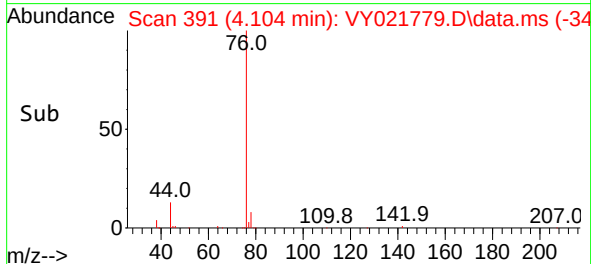
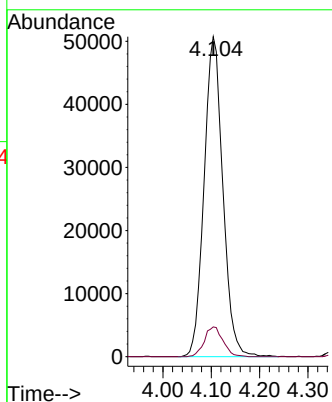
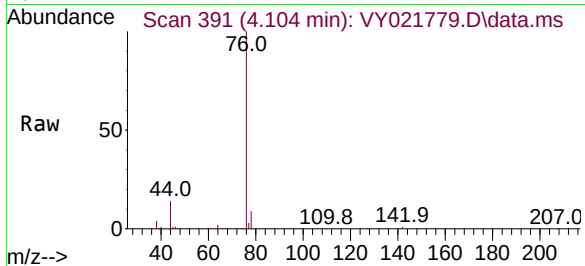




#17
Carbon Disulfide
Concen: 17.828 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

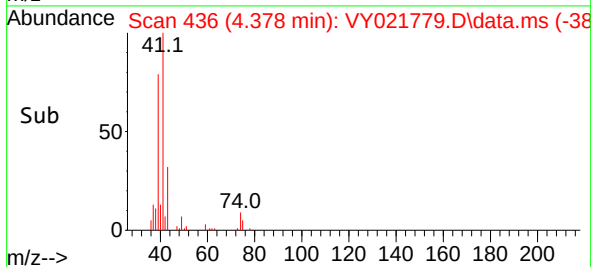
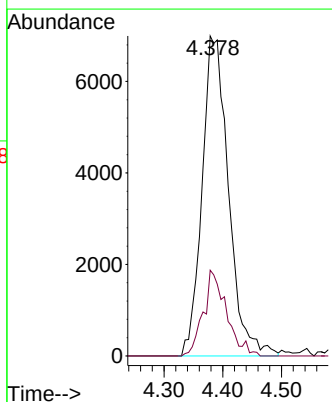
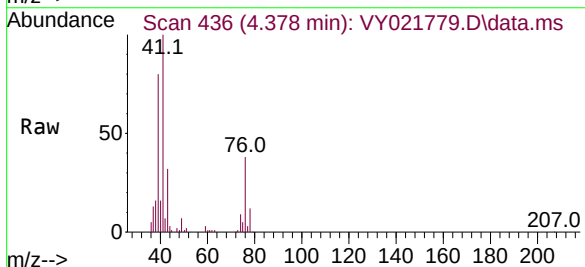
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

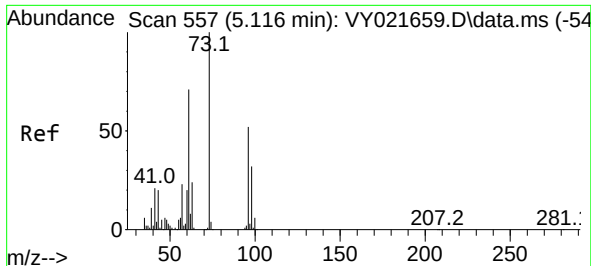
Tgt Ion: 76 Resp: 136817
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 17.942 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 21903
Ion Ratio Lower Upper
43 100
74 23.4 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.696 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

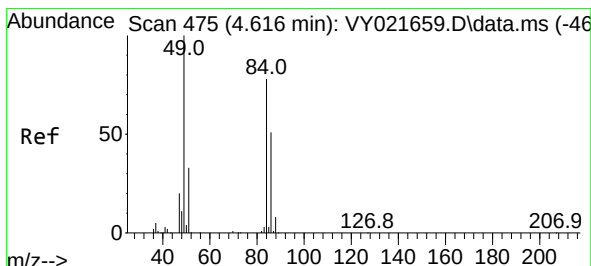
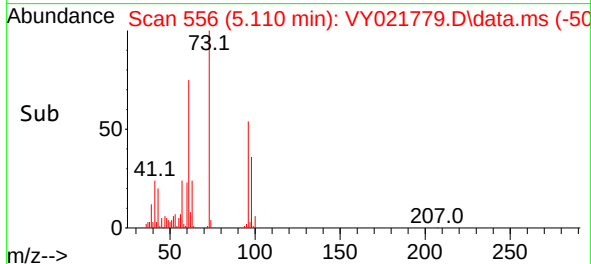
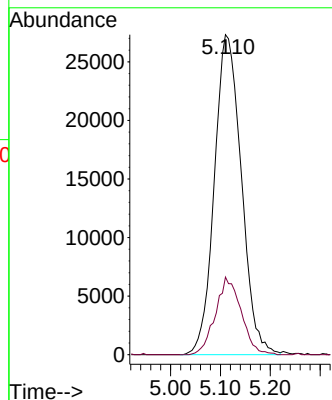
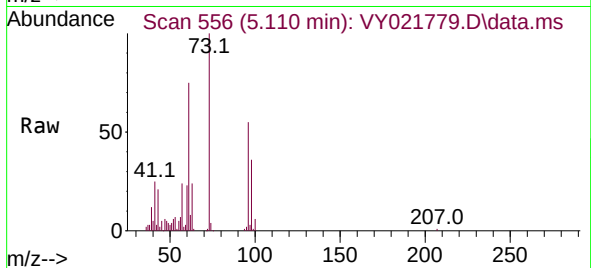
VY0404SBS01

Tgt Ion: 73 Resp: 102651

Ion Ratio Lower Upper

73 100

57 24.3 18.1 27.1



#20

Methylene Chloride

Concen: 17.807 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion: 84 Resp: 48920

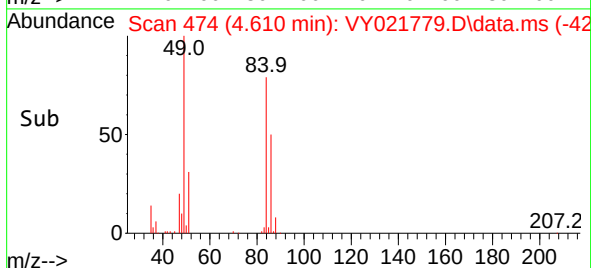
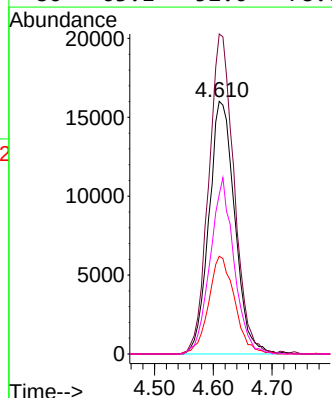
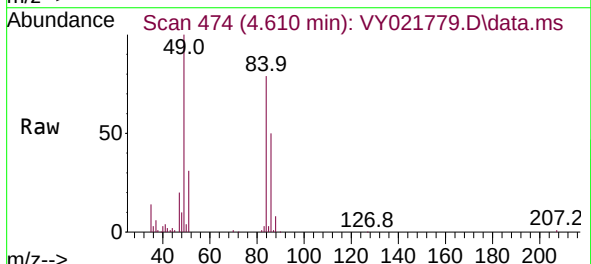
Ion Ratio Lower Upper

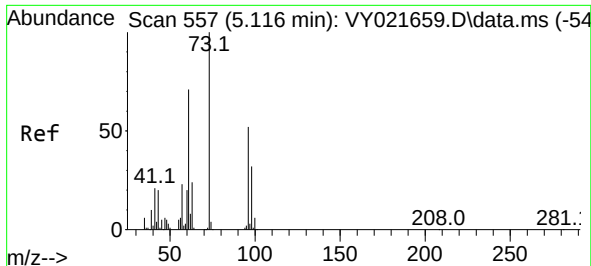
84 100

49 126.7 102.8 154.2

51 38.7 33.5 50.3

86 63.1 52.0 78.0

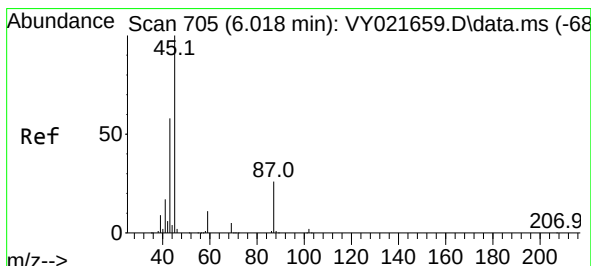
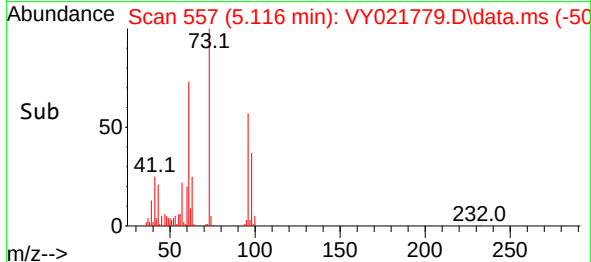
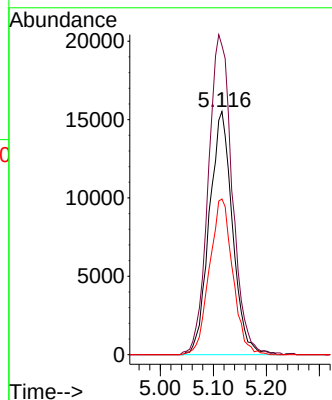
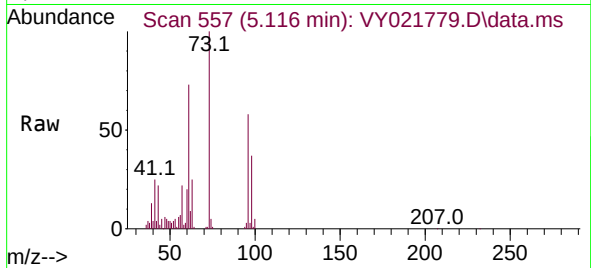




#21
trans-1,2-Dichloroethene
Concen: 18.392 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

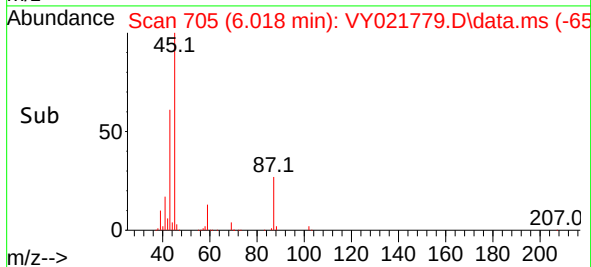
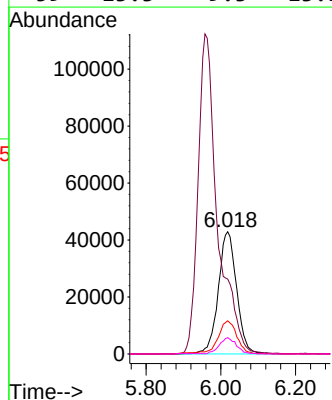
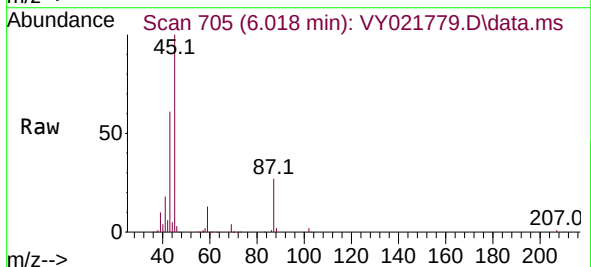
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

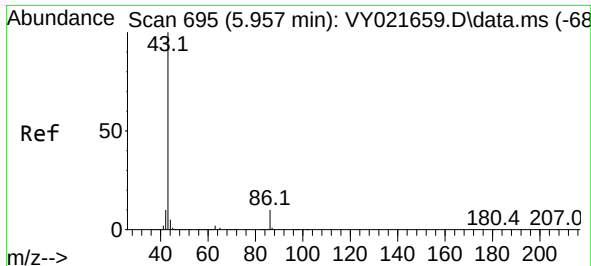
Tgt Ion: 96 Resp: 47181
Ion Ratio Lower Upper
96 100
61 127.1 109.4 164.0
98 64.0 50.2 75.2



#22
Diisopropyl ether
Concen: 18.736 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 45 Resp: 146004
Ion Ratio Lower Upper
45 100
43 60.9 46.6 69.8
87 27.1 20.7 31.1
59 13.3 9.3 13.9

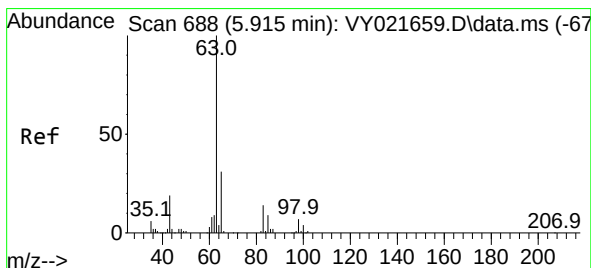
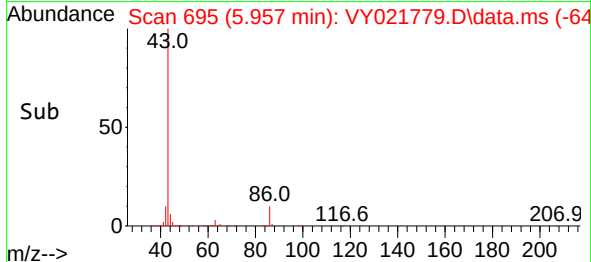
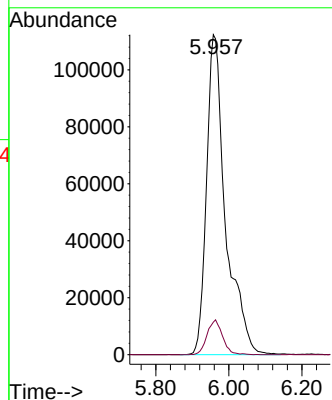
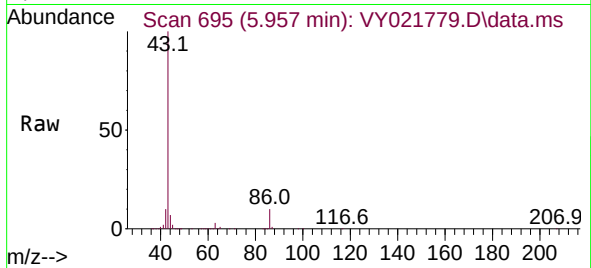




#23
 Vinyl Acetate
 Concen: 88.983 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

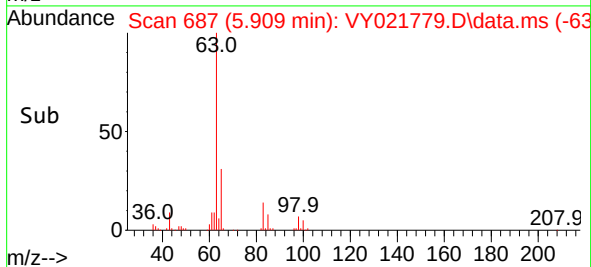
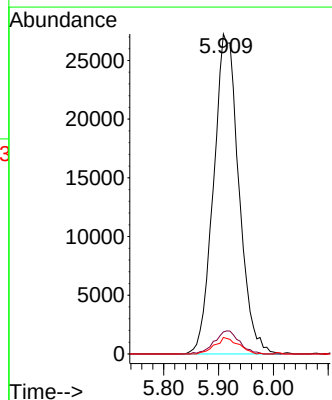
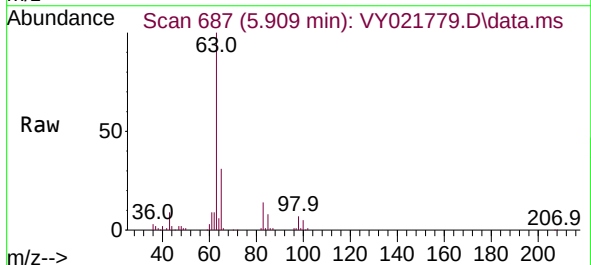
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

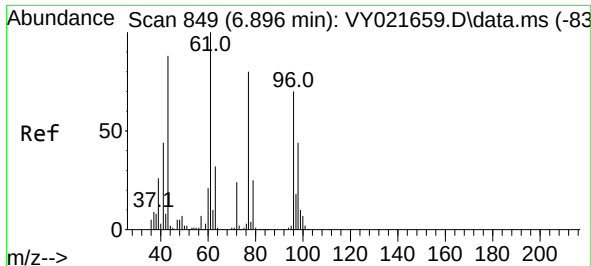
Tgt Ion: 43 Resp: 405658
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 18.721 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. -0.006 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 87235
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 5.1 2.2 6.6

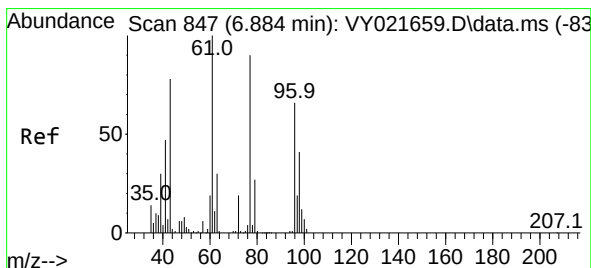
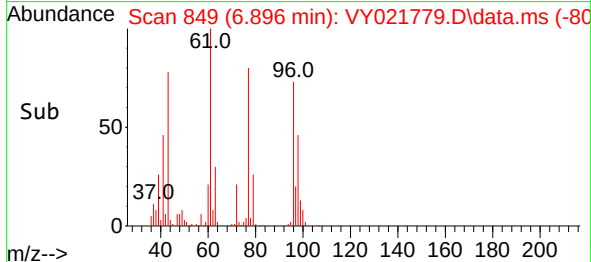
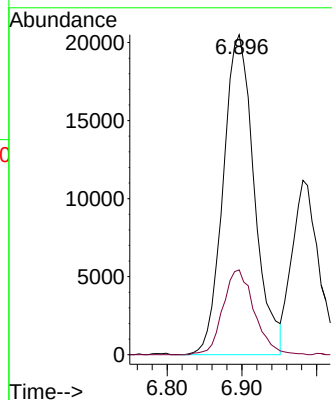
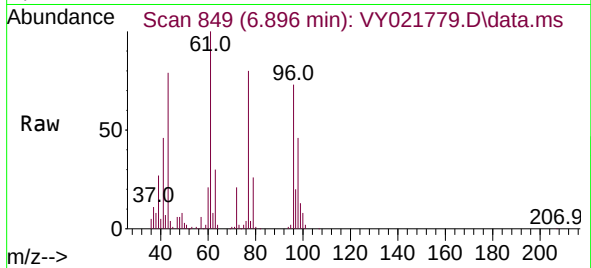




#25
2-Butanone
Concen: 84.459 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

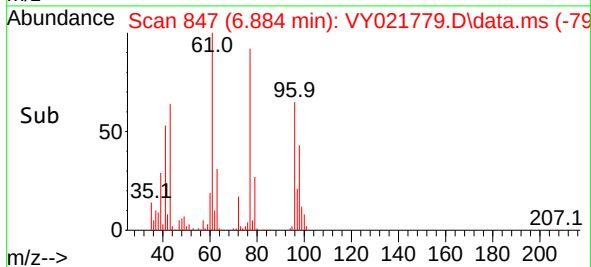
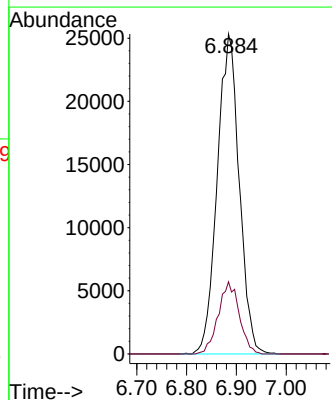
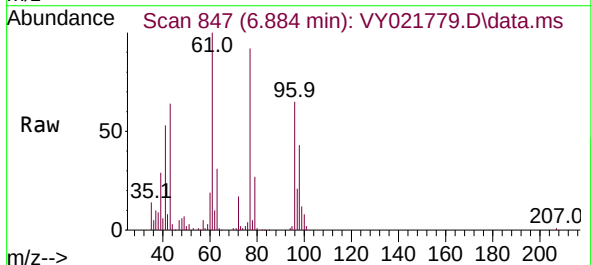
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

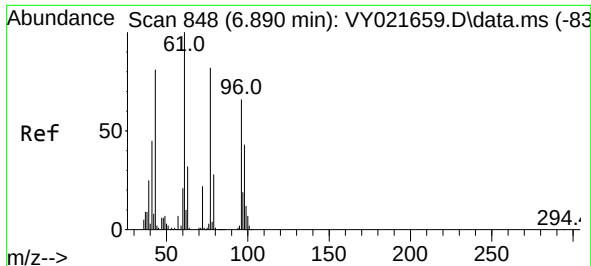
Tgt Ion: 43 Resp: 59419
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.2



#26
2,2-Dichloropropane
Concen: 18.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 77 Resp: 77434
Ion Ratio Lower Upper
77 100
97 21.6 11.1 33.1

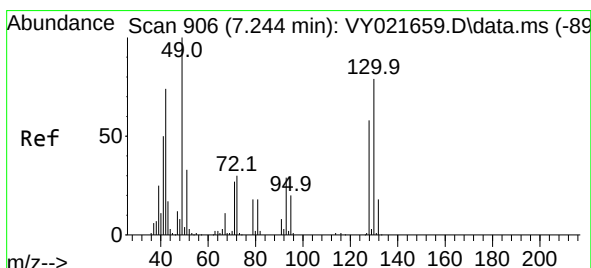
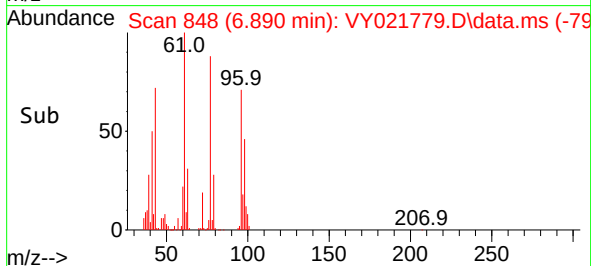
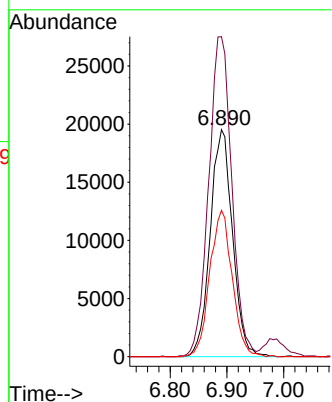
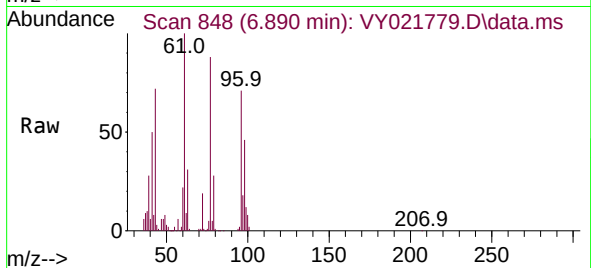




#27
 cis-1,2-Dichloroethene
 Concen: 18.489 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

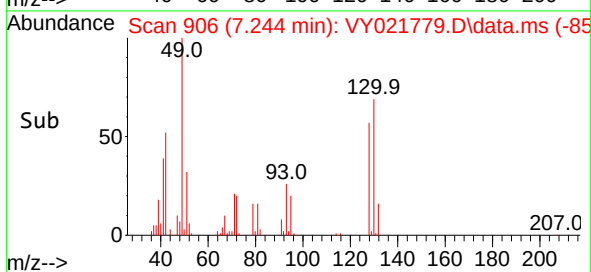
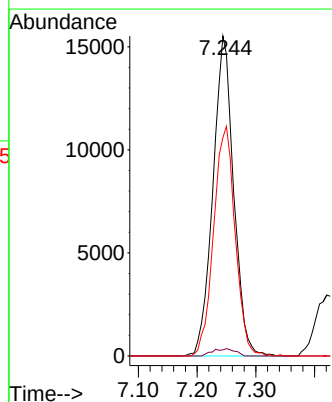
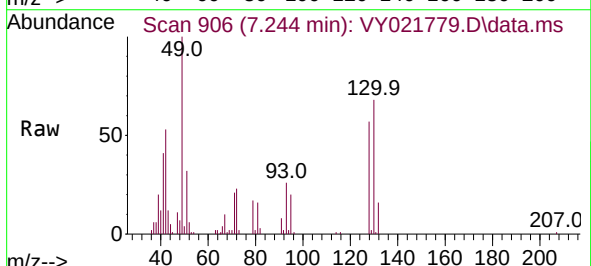
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

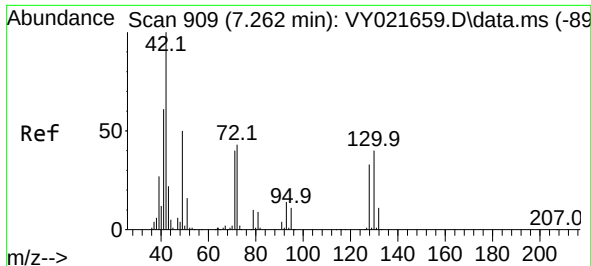
Tgt Ion: 96 Resp: 53338
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 296.4
 98 64.9 0.0 128.0



#28
 Bromochloromethane
 Concen: 19.353 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

Tgt Ion: 49 Resp: 38032
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.4
 130 74.3 60.1 90.1





#29

Tetrahydrofuran

Concen: 87.766 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

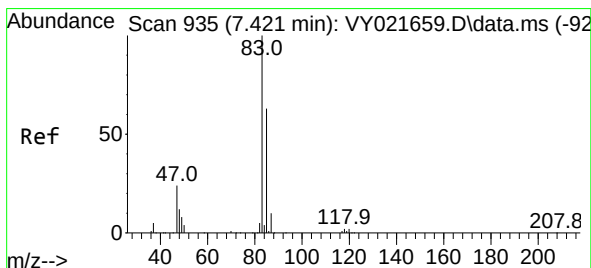
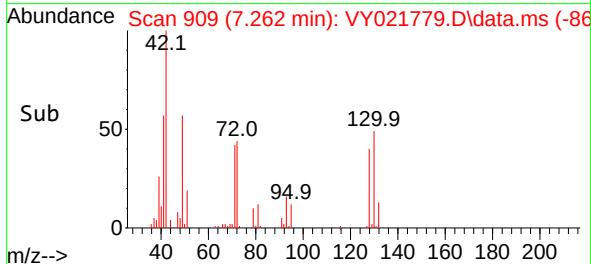
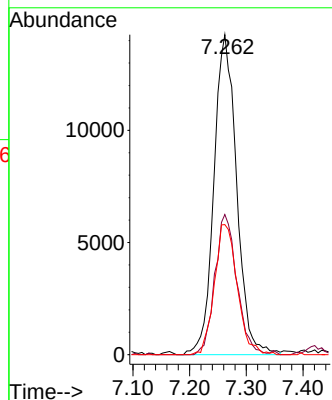
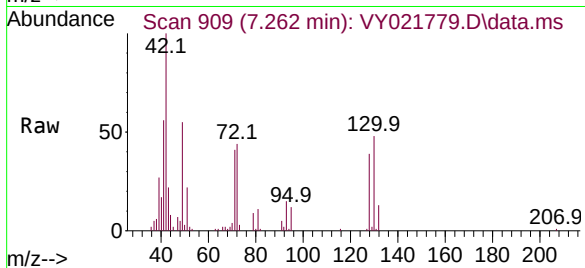
Tgt Ion: 42 Resp: 39739

Ion Ratio Lower Upper

42 100

72 42.2 34.6 52.0

71 40.9 32.5 48.7



#30

Chloroform

Concen: 18.621 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021779.D

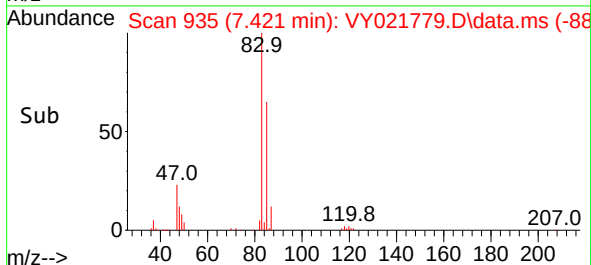
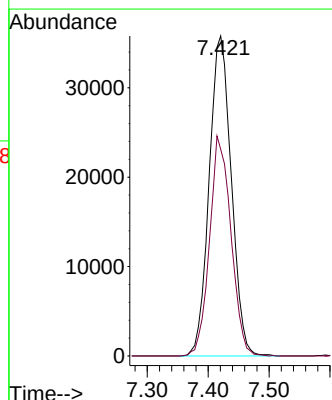
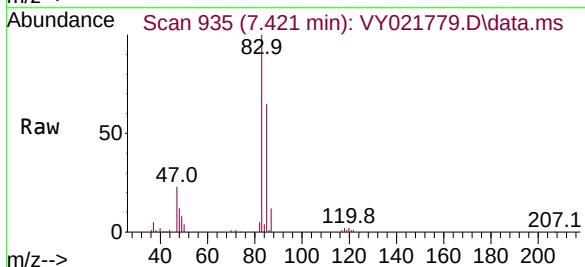
Acq: 04 Apr 2025 10:49

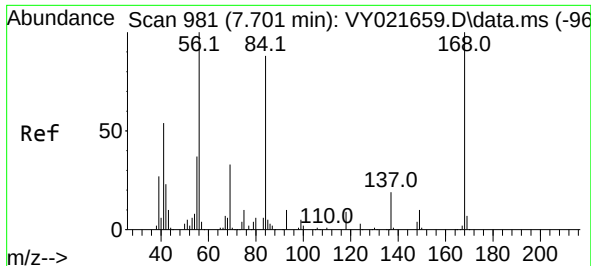
Tgt Ion: 83 Resp: 90247

Ion Ratio Lower Upper

83 100

85 64.6 50.6 75.8

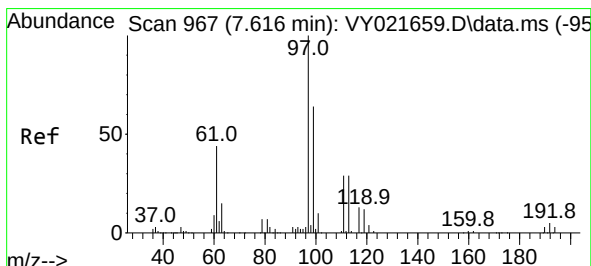
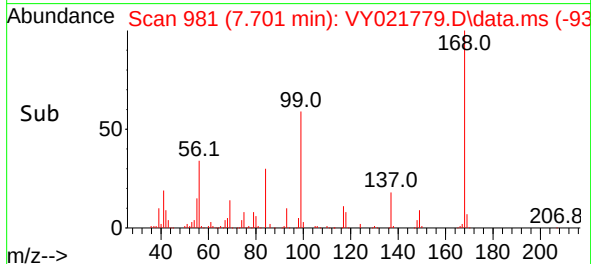
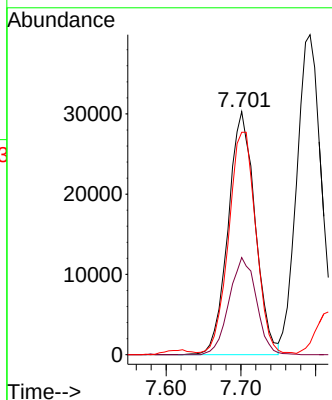
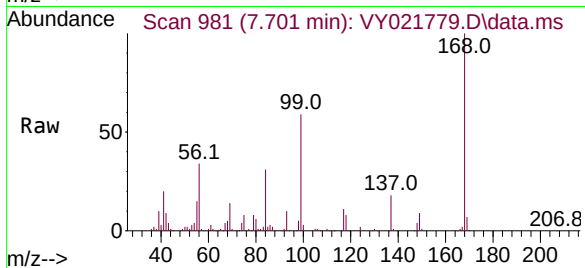




#31
Cyclohexane
Concen: 17.858 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

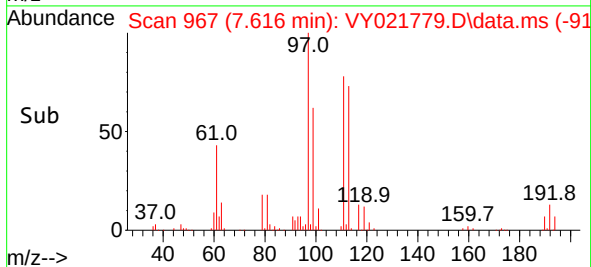
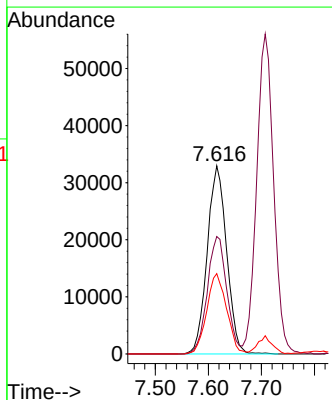
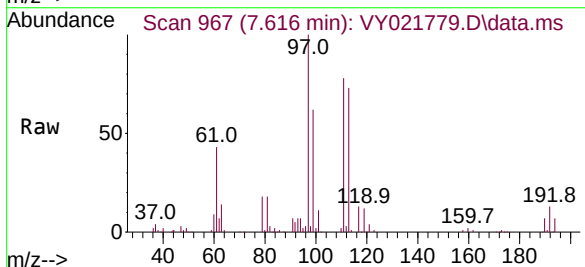
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

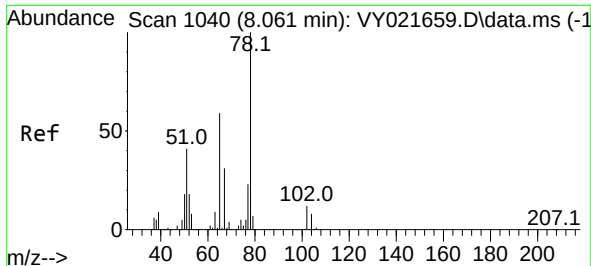
Tgt Ion: 56 Resp: 75857
Ion Ratio Lower Upper
56 100
69 40.0 26.6 40.0#
84 89.8 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 19.159 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 97 Resp: 83924
Ion Ratio Lower Upper
97 100
99 63.0 50.7 76.1
61 43.7 35.2 52.8

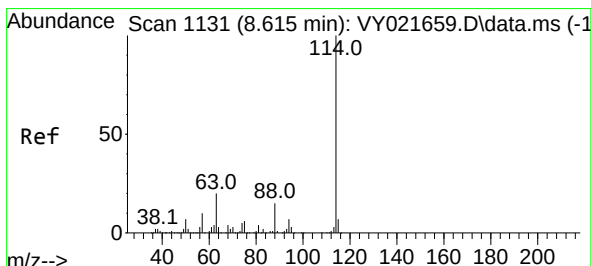
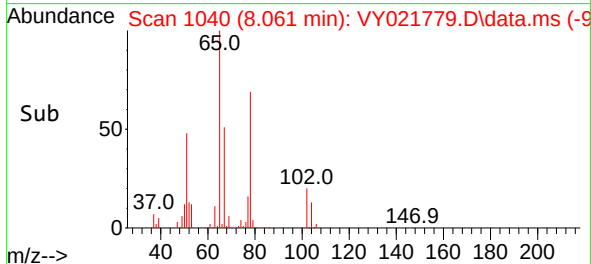
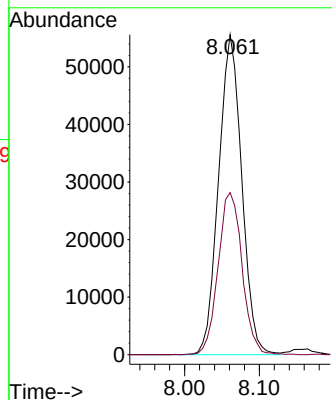
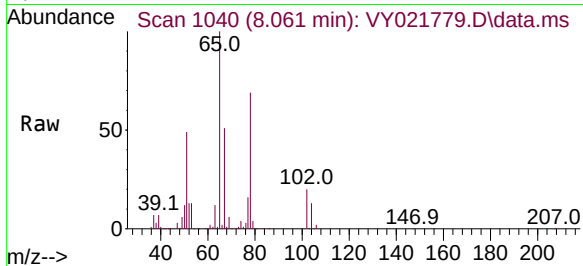




#33
 1,2-Dichloroethane-d4
 Concen: 49.756 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

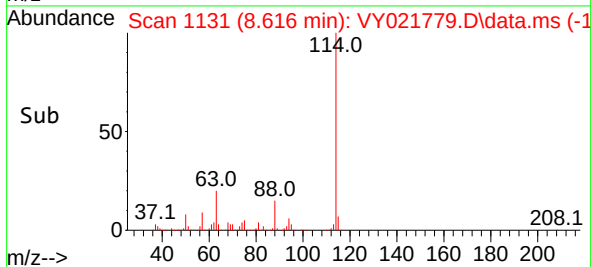
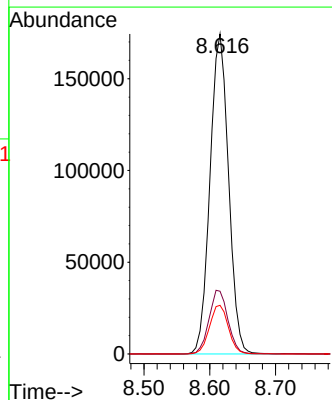
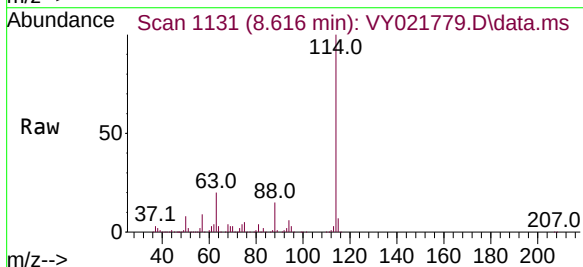
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

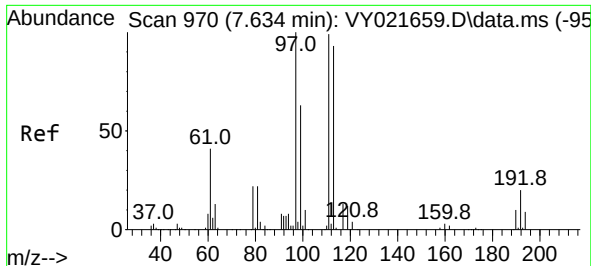
Tgt Ion: 65 Resp: 119747
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

Tgt Ion: 114 Resp: 342162
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.2
 88 15.2 0.0 29.8

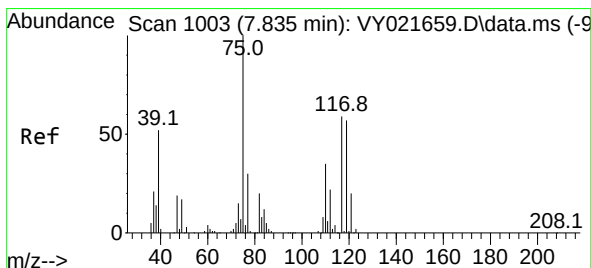
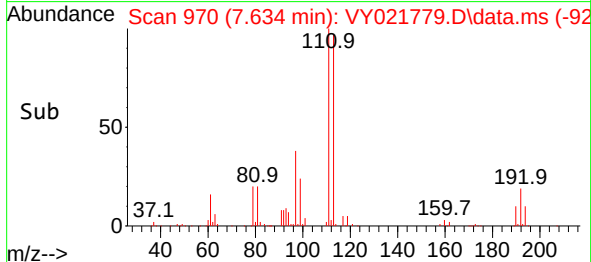
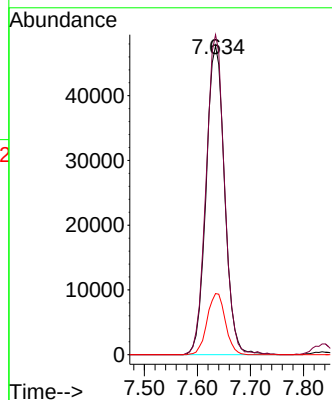
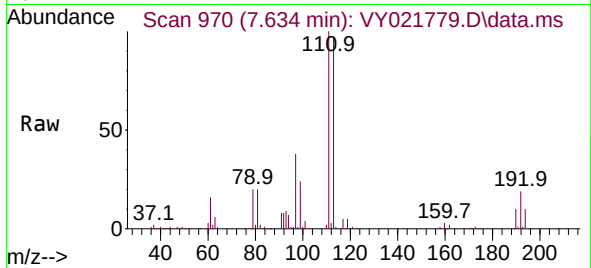




#35
Dibromofluoromethane
Concen: 52.075 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

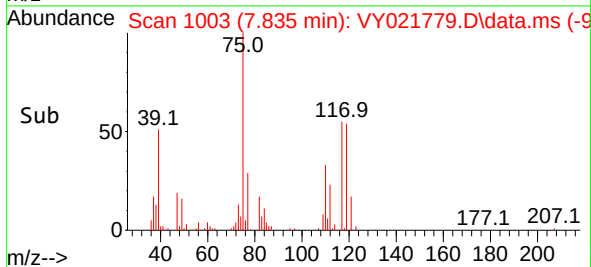
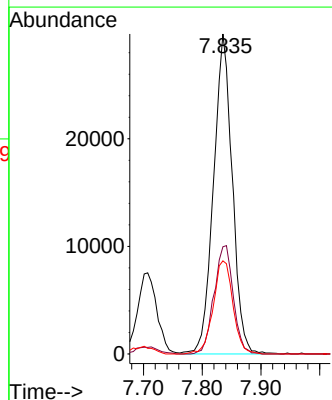
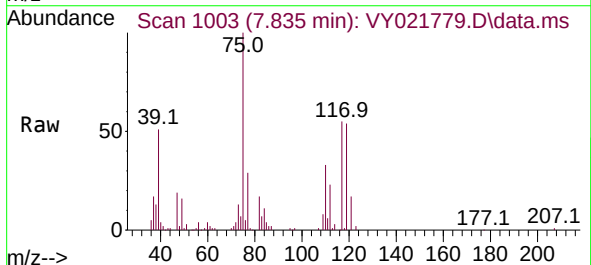
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

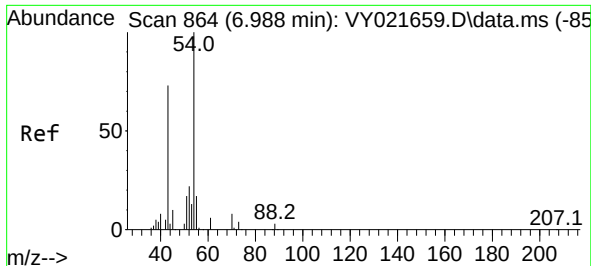
Tgt Ion:113 Resp: 115582
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 19.535 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 66042
Ion Ratio Lower Upper
75 100
110 34.6 17.0 50.9
77 30.5 24.8 37.2

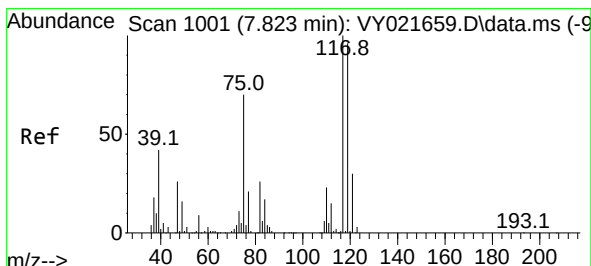
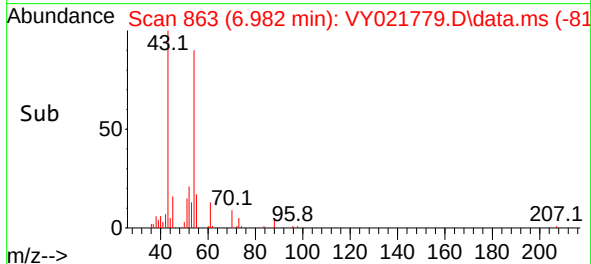
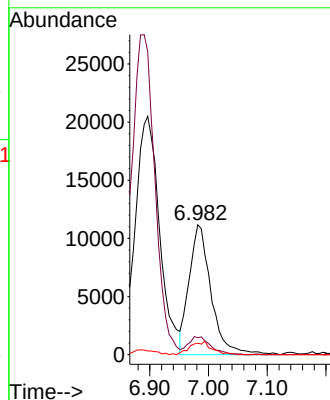
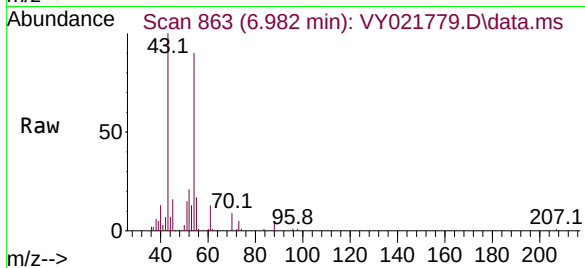




#37
Ethyl Acetate
Concen: 18.209 ug/l
RT: 6.982 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

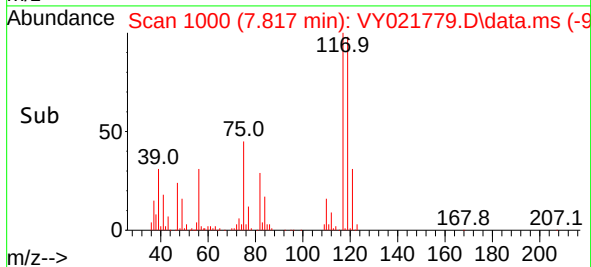
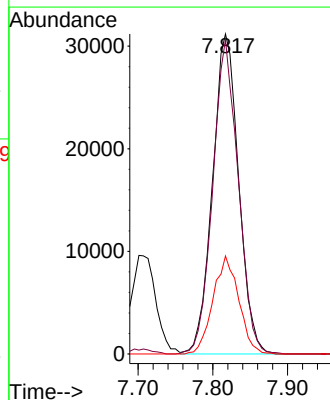
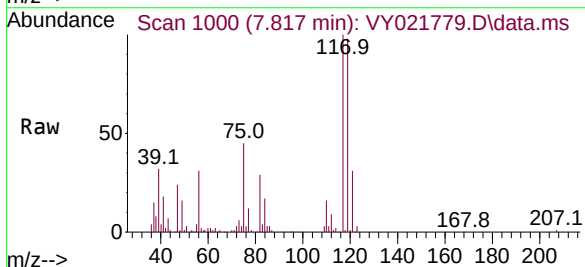
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

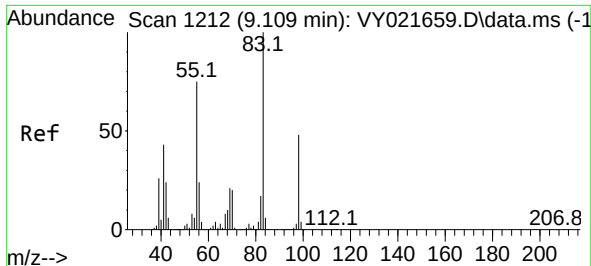
Tgt Ion: 43	Resp: 29052
Ion Ratio	Lower Upper
43 100	
61 14.2	11.0 16.6
70 10.0	8.1 12.1



#38
Carbon Tetrachloride
Concen: 19.595 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:117	Resp:	75873	
Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.4
121	30.6	24.2	36.4





#39

Methylcyclohexane

Concen: 18.540 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

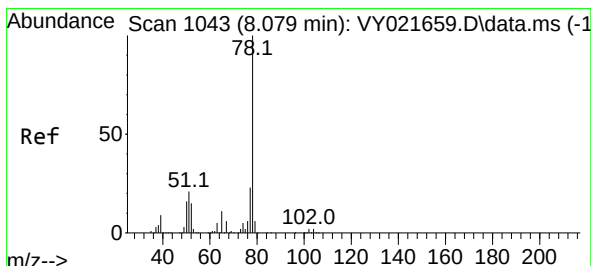
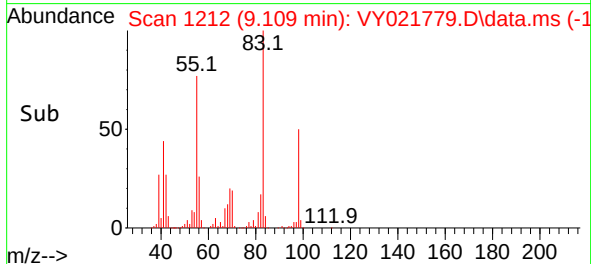
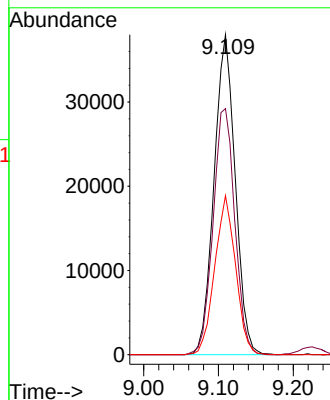
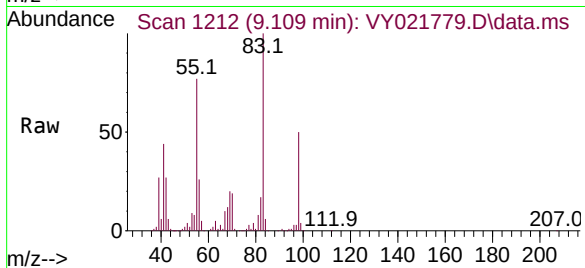
Tgt Ion: 83 Resp: 74878

Ion Ratio Lower Upper

83 100

55 76.9 59.7 89.5

98 49.7 38.3 57.5



#40

Benzene

Concen: 19.090 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021779.D

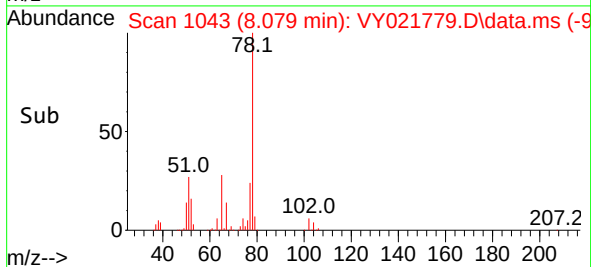
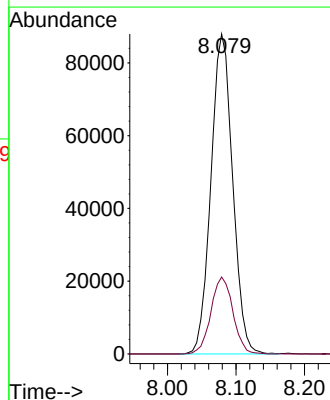
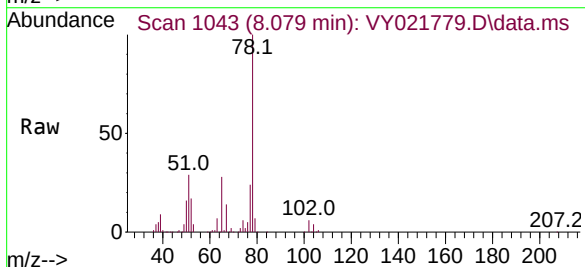
Acq: 04 Apr 2025 10:49

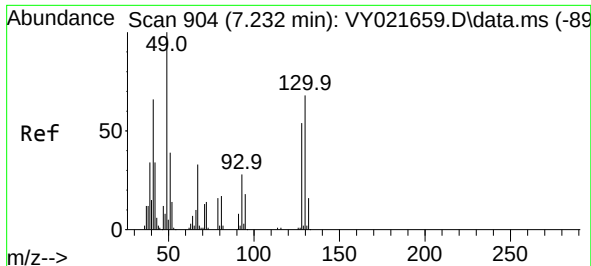
Tgt Ion: 78 Resp: 193271

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2

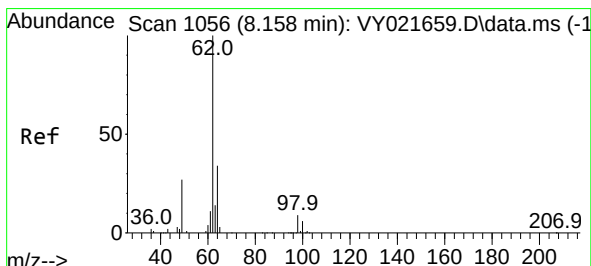
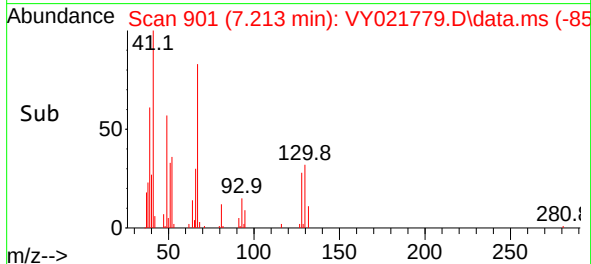
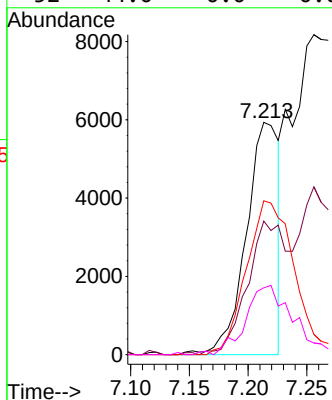
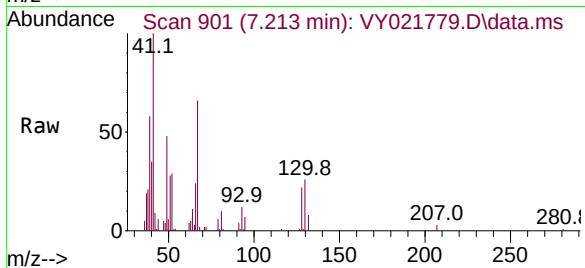




#41
Methacrylonitrile
Concen: 13.580 ug/l
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

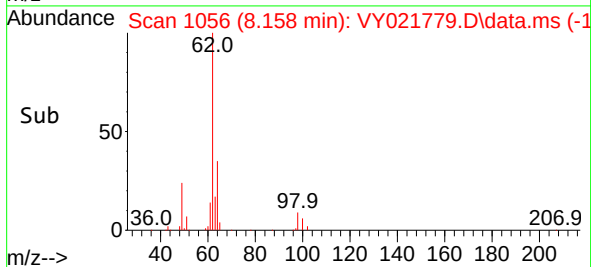
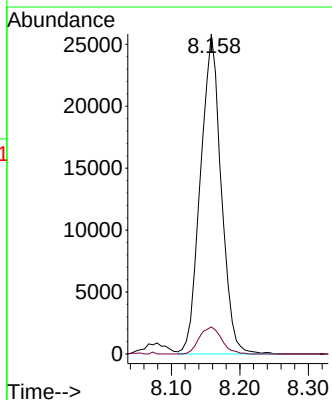
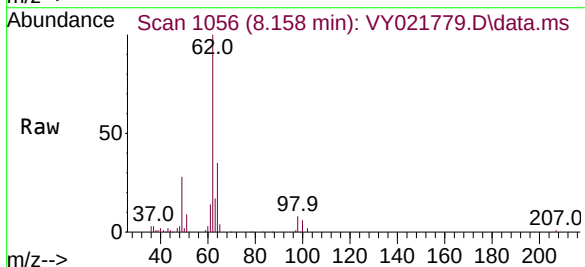
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

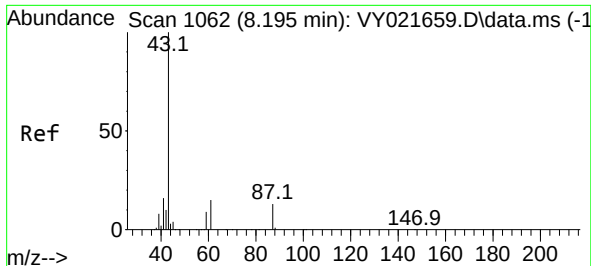
Tgt Ion: 41 Resp: 11507
Ion Ratio Lower Upper
41 100
39 73.2 0.0 0.0#
67 98.3 0.0 0.0#
52 44.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.057 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 54392
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4

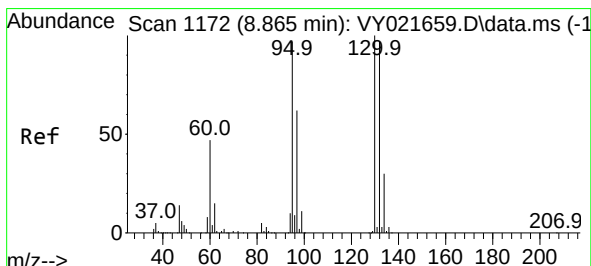
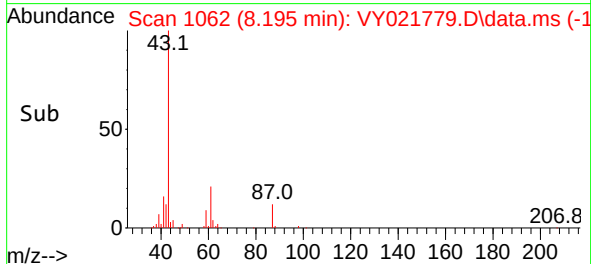
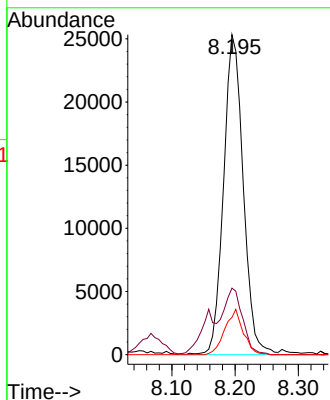
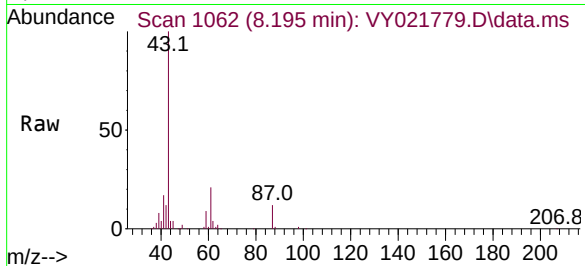




#43
Isopropyl Acetate
Concen: 18.080 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

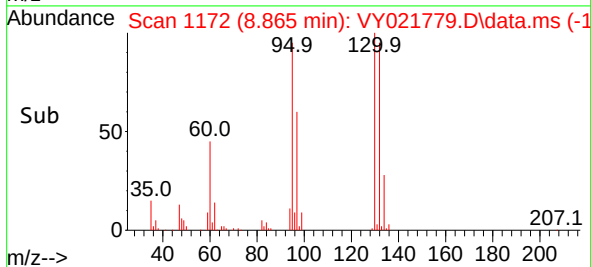
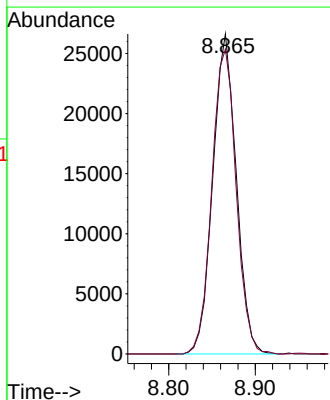
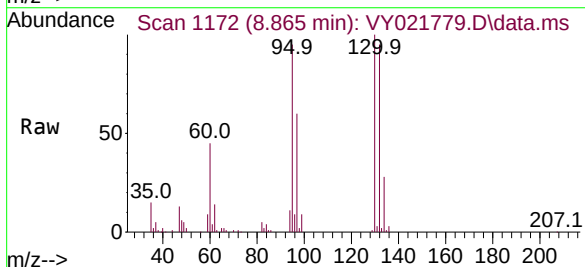
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

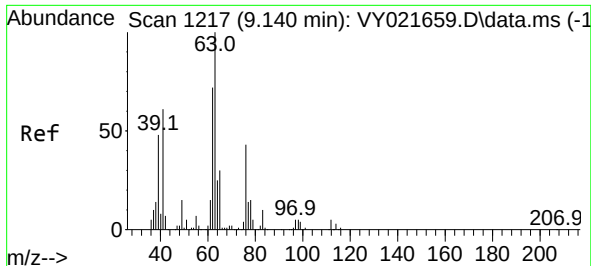
Tgt Ion:	43	Resp:	54667
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.9	23.9
87	13.3	10.4	15.6



#44
Trichloroethene
Concen: 19.433 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:	130	Resp:	50130
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8





#45

1,2-Dichloropropane

Concen: 19.361 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

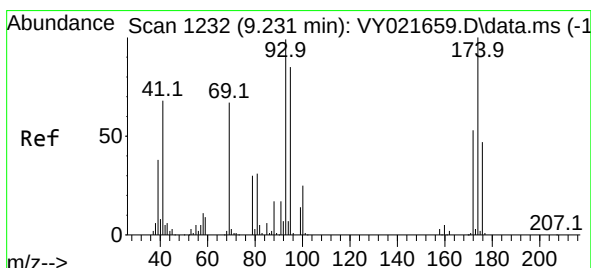
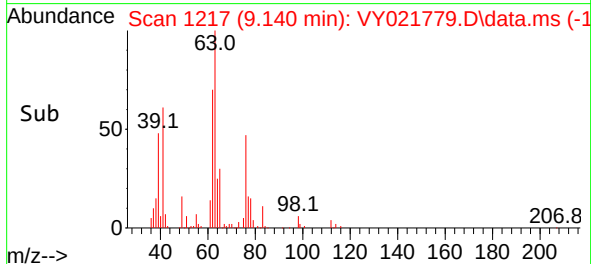
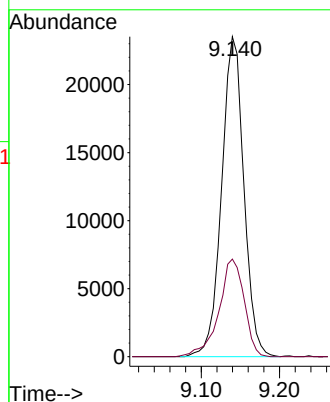
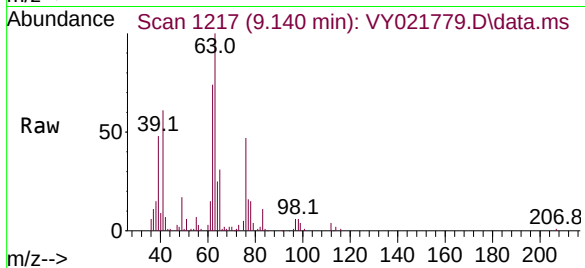
VY0404SBSD01

Tgt Ion: 63 Resp: 46400

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



#46

Dibromomethane

Concen: 18.781 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

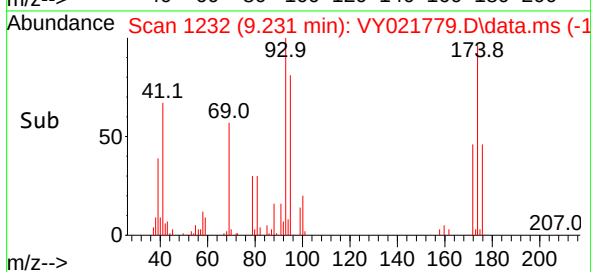
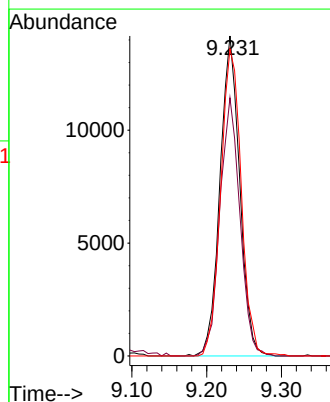
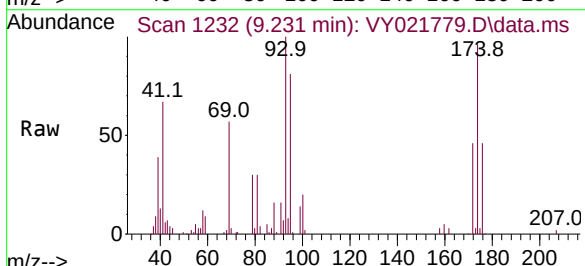
Tgt Ion: 93 Resp: 25939

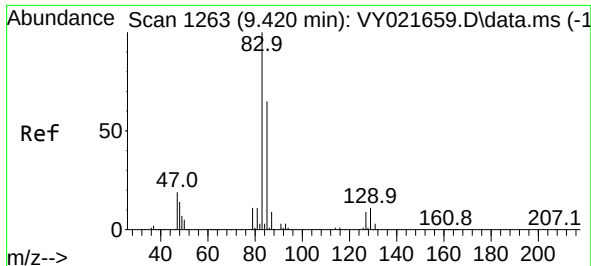
Ion Ratio Lower Upper

93 100

95 82.2 68.1 102.1

174 100.1 80.9 121.3

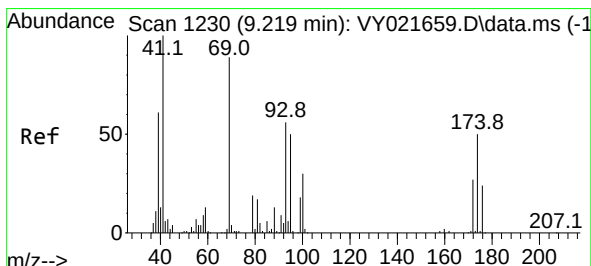
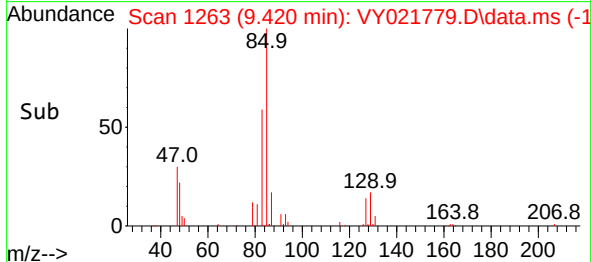
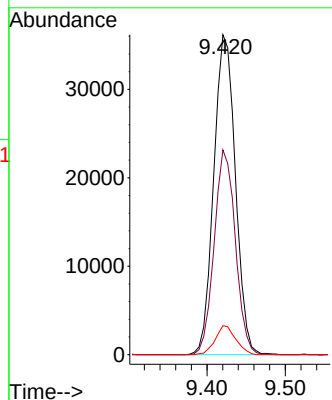
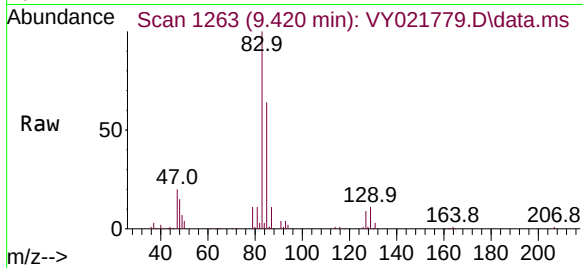




#47
Bromodichloromethane
Concen: 19.408 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

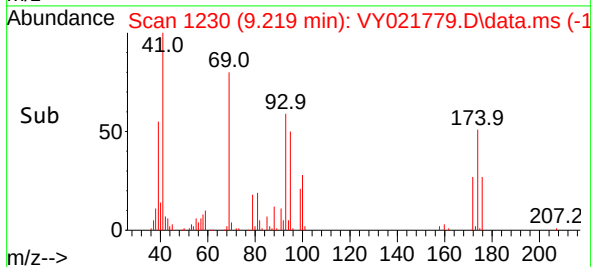
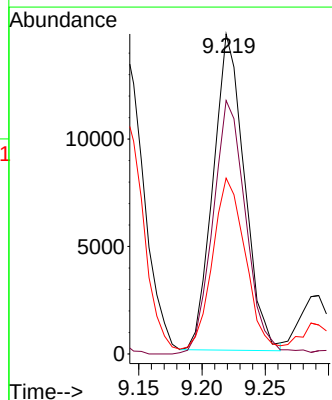
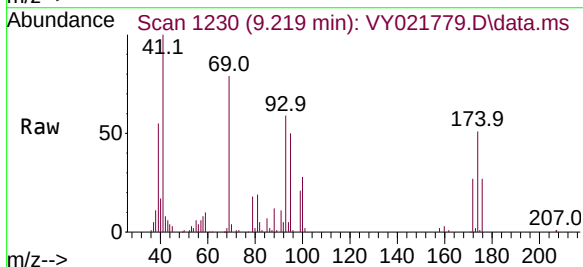
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

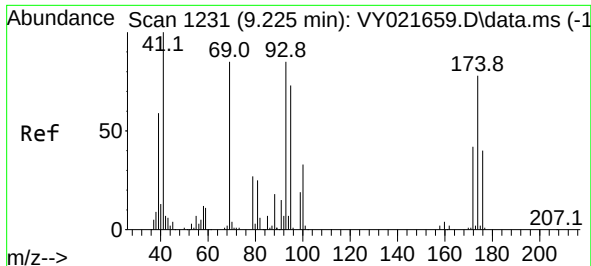
Tgt Ion:	83	Resp:	69458
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	9.1	6.8	10.2



#48
Methyl methacrylate
Concen: 18.236 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:	41	Resp:	25306
Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	56.9	47.2	70.8





#49

1,4-Dioxane

Concen: 384.365 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

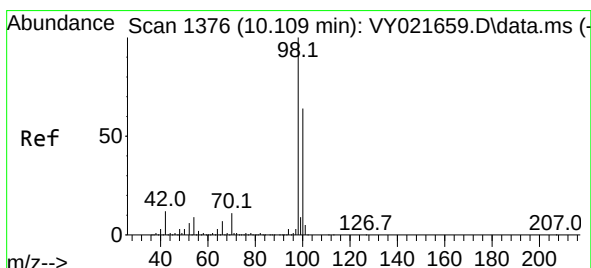
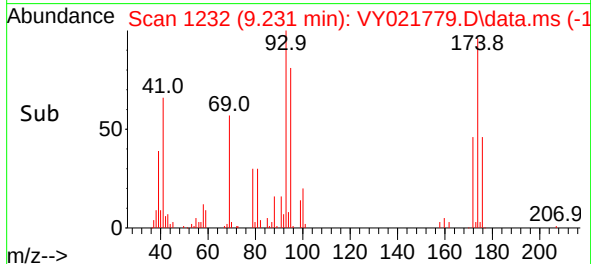
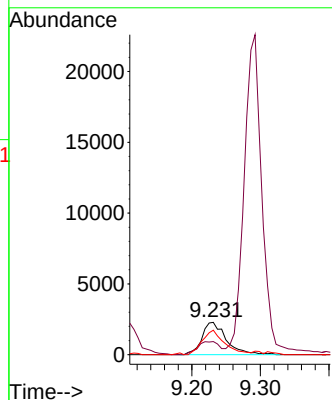
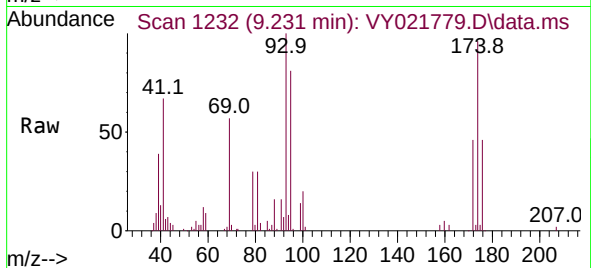
Tgt Ion: 88 Resp: 5687

Ion Ratio Lower Upper

88 100

43 35.4 28.8 43.2

58 69.4 59.4 89.2



#50

Toluene-d8

Concen: 51.800 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021779.D

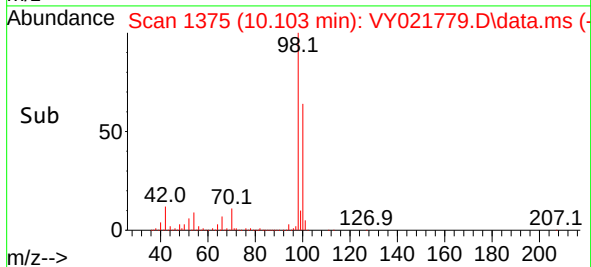
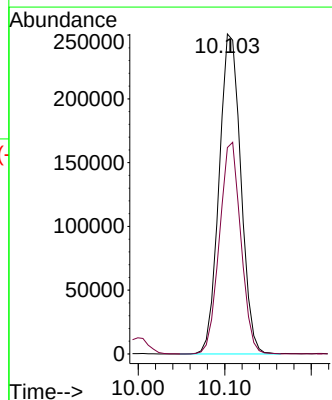
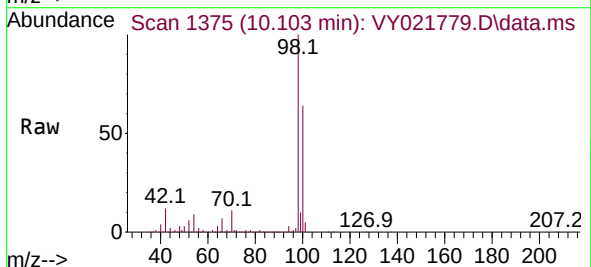
Acq: 04 Apr 2025 10:49

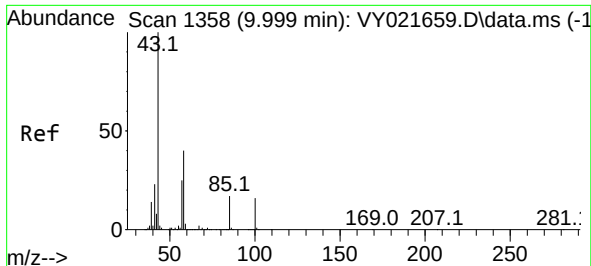
Tgt Ion: 98 Resp: 437387

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 90.088 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

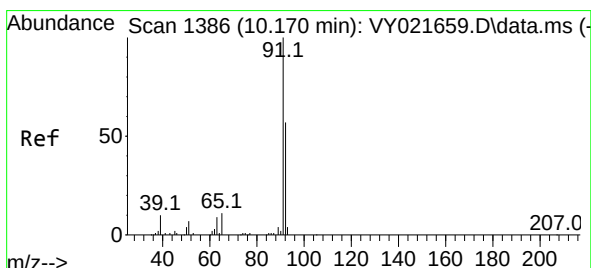
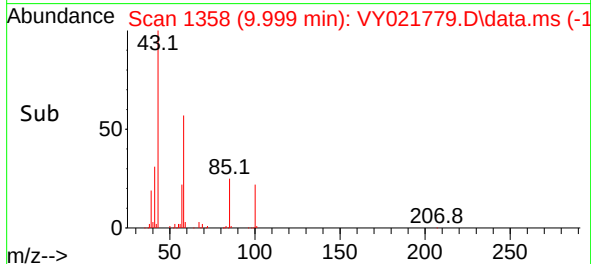
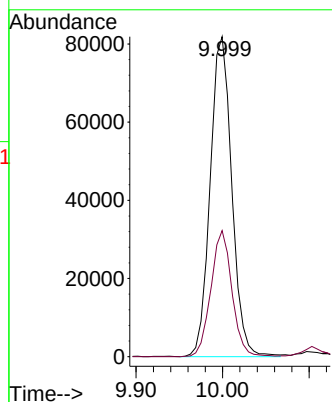
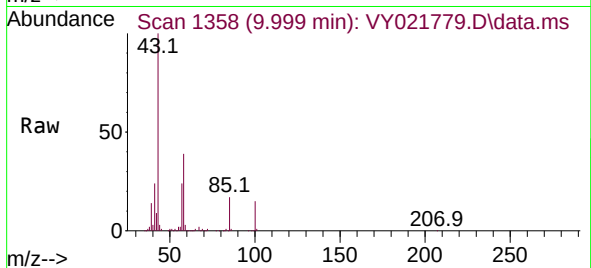
VY0404SBS01

Tgt Ion: 43 Resp: 141751

Ion Ratio Lower Upper

43 100

58 38.5 31.5 47.3



#52

Toluene

Concen: 18.972 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021779.D

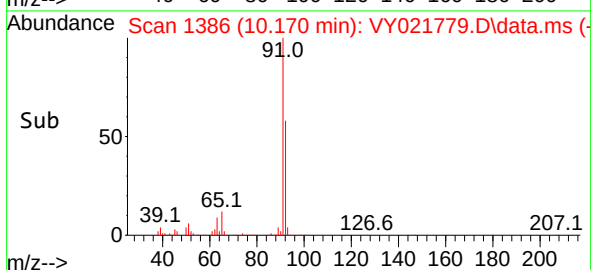
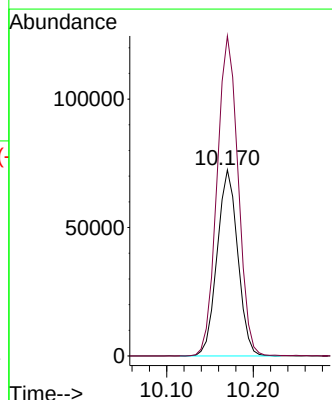
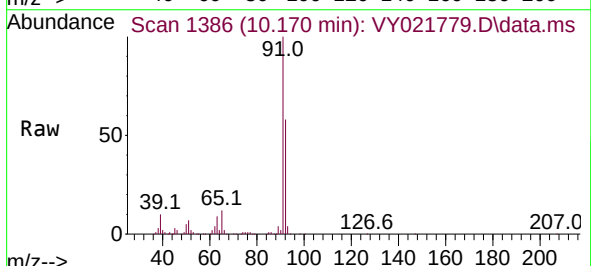
Acq: 04 Apr 2025 10:49

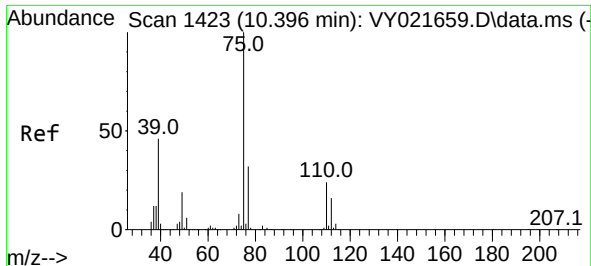
Tgt Ion: 92 Resp: 119838

Ion Ratio Lower Upper

92 100

91 176.3 138.6 207.8

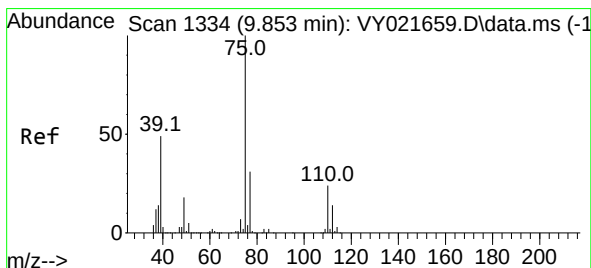
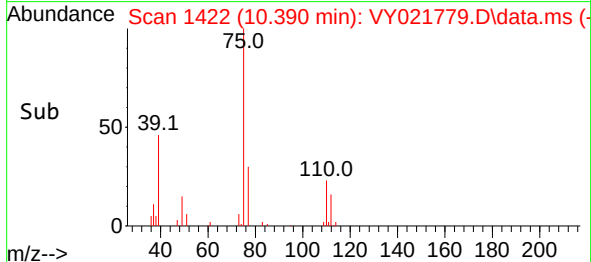
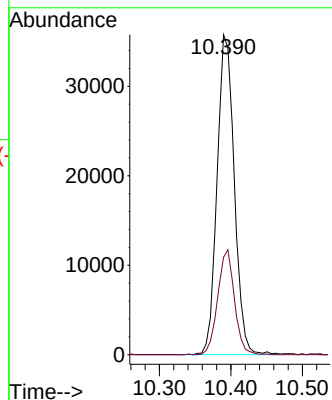
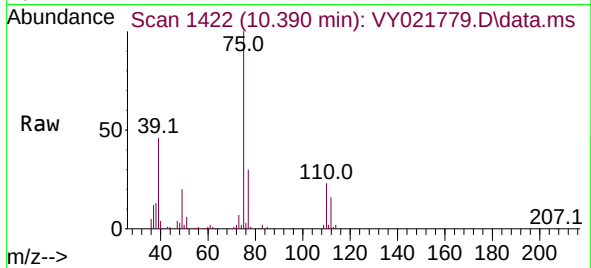




#53
t-1,3-Dichloropropene
Concen: 18.829 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

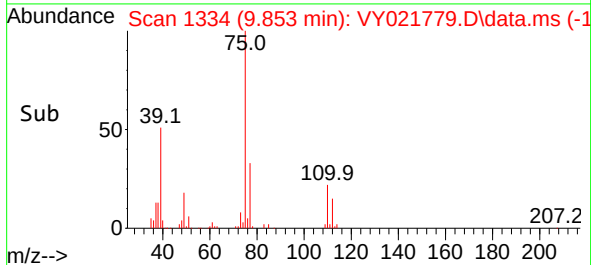
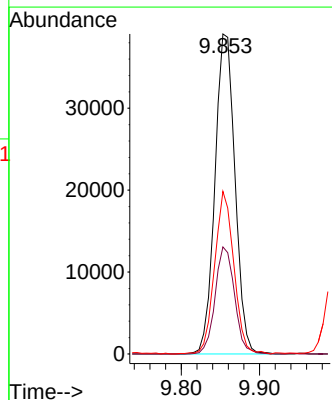
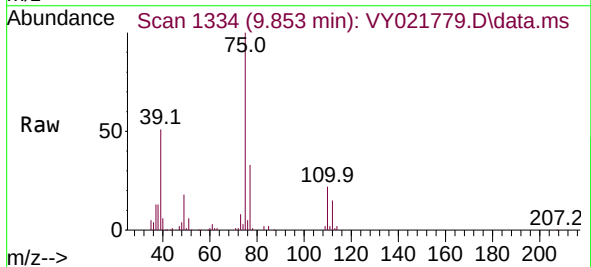
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

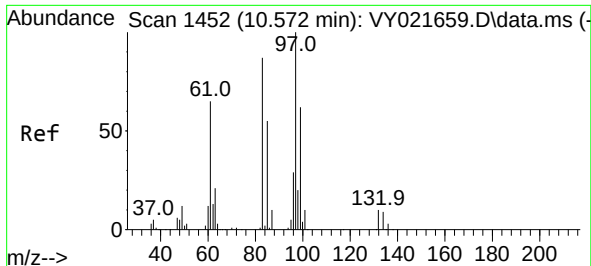
Tgt Ion: 75 Resp: 59854
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 18.573 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 69651
Ion Ratio Lower Upper
75 100
77 33.5 24.9 37.3
39 50.6 39.2 58.8

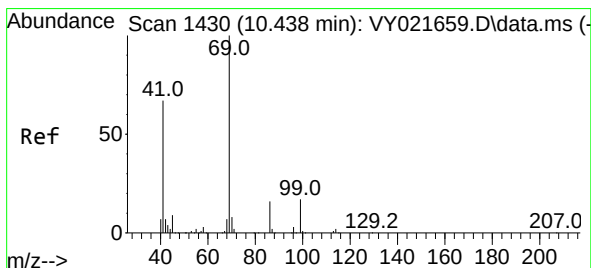
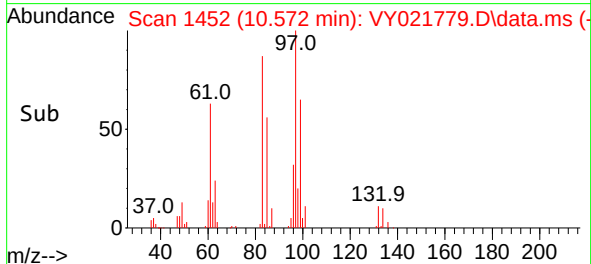
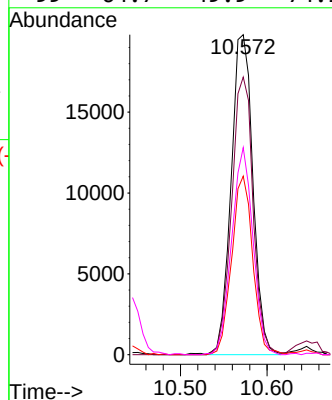
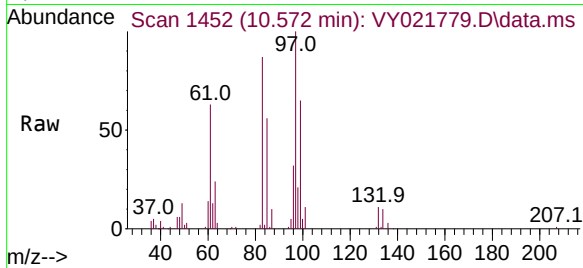




#55
1,1,2-Trichloroethane
Concen: 19.485 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

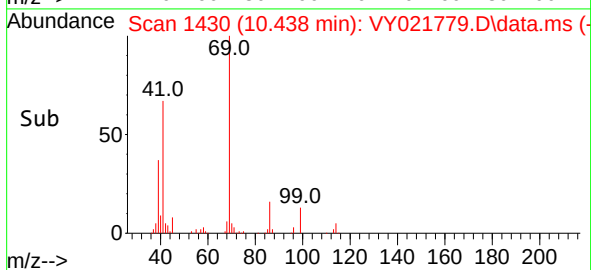
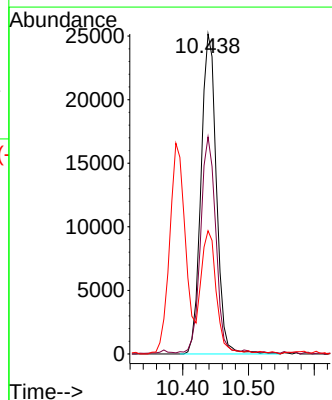
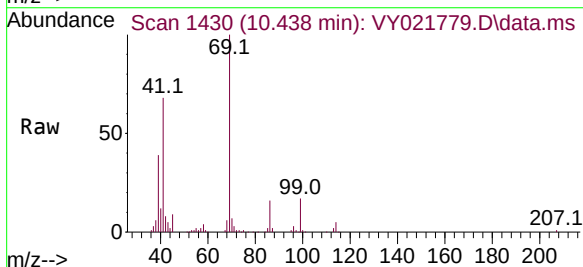
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

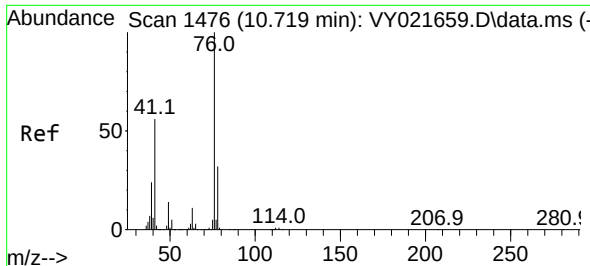
Tgt Ion:	97	Resp:	34633
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.5	104.3
85	55.8	43.9	65.9
99	64.7	49.9	74.9



#56
Ethyl methacrylate
Concen: 18.026 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:	69	Resp:	40910
Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.8	80.6
39	36.9	29.6	44.4





#57

1,3-Dichloropropane

Concen: 18.868 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

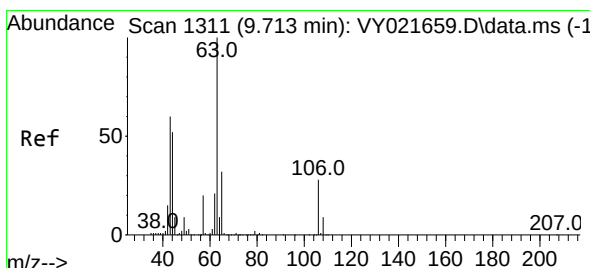
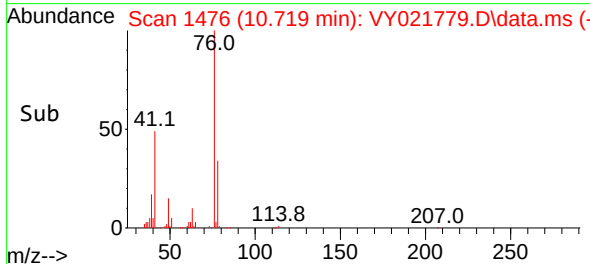
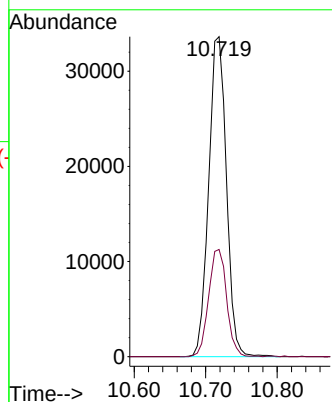
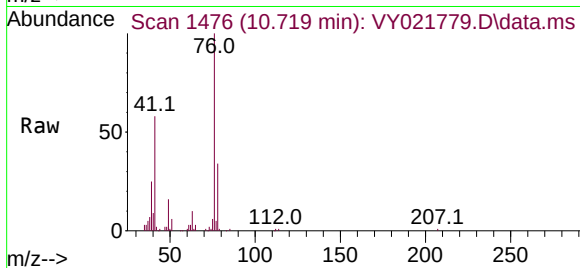
VY0404SBS01

Tgt Ion: 76 Resp: 57918

Ion Ratio Lower Upper

76 100

78 34.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 95.722 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021779.D

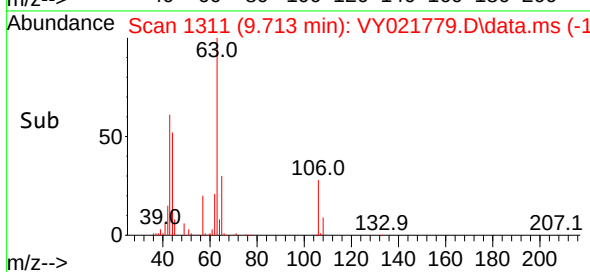
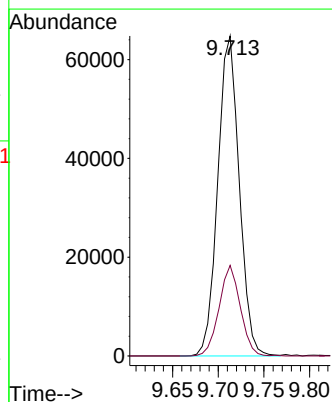
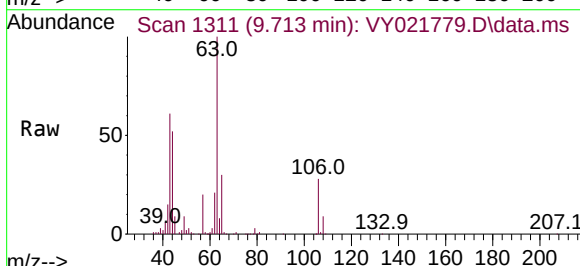
Acq: 04 Apr 2025 10:49

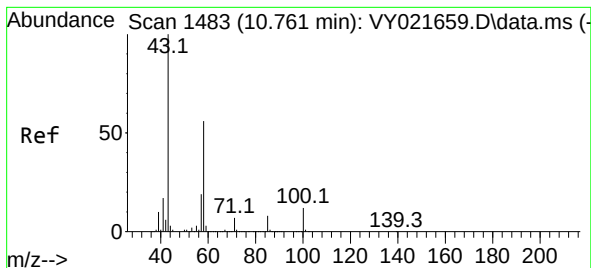
Tgt Ion: 63 Resp: 105979

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6

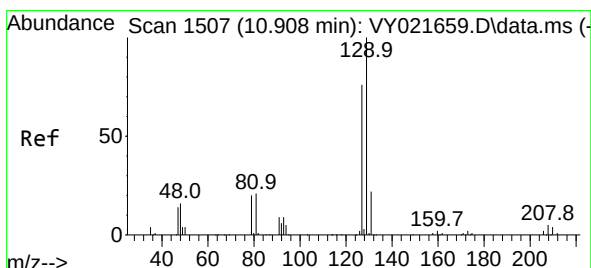
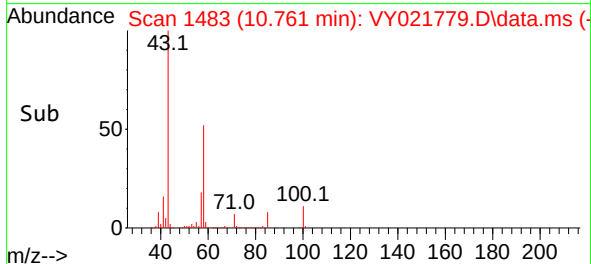
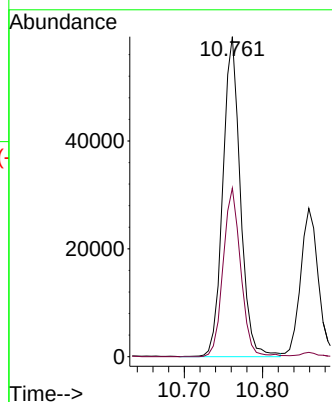
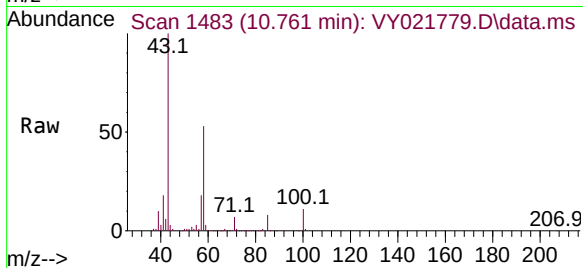




#59
2-Hexanone
Concen: 88.221 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

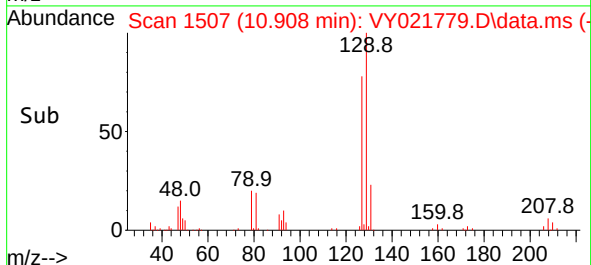
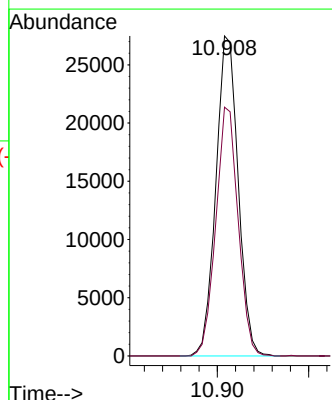
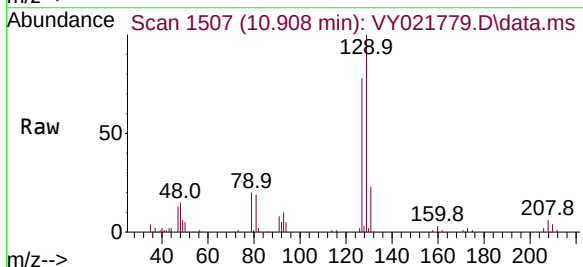
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

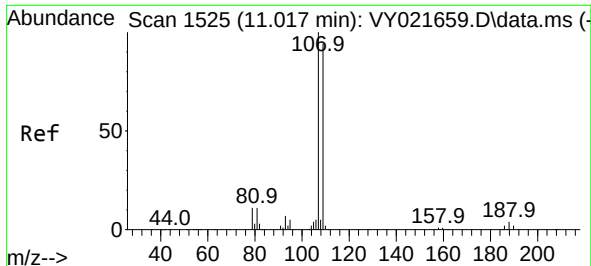
Tgt Ion: 43 Resp: 92448
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5



#60
Dibromochloromethane
Concen: 19.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 129 Resp: 46610
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7

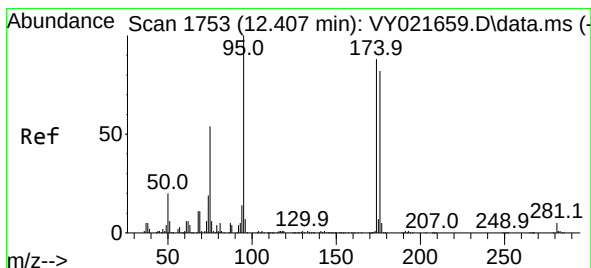
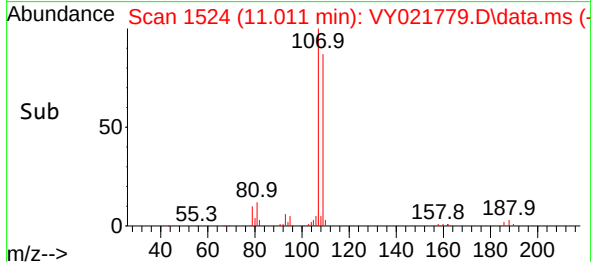
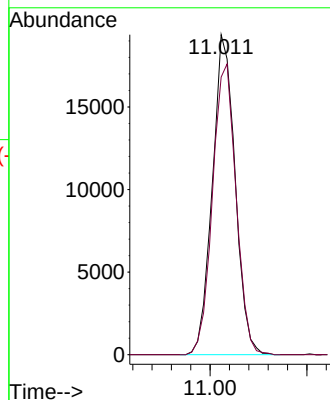
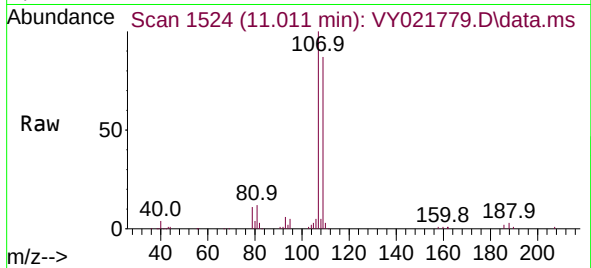




#61
1,2-Dibromoethane
Concen: 18.940 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

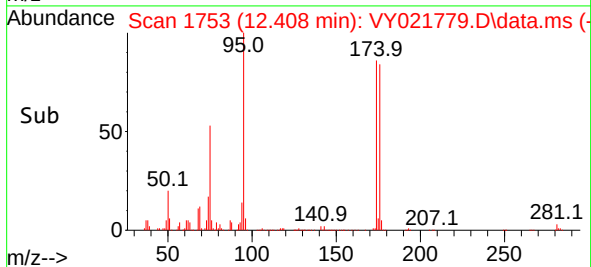
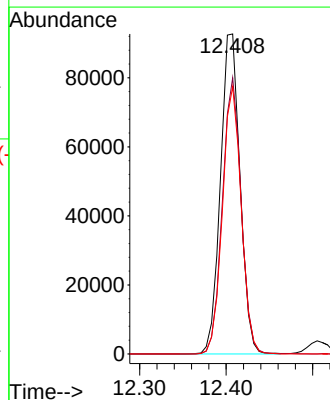
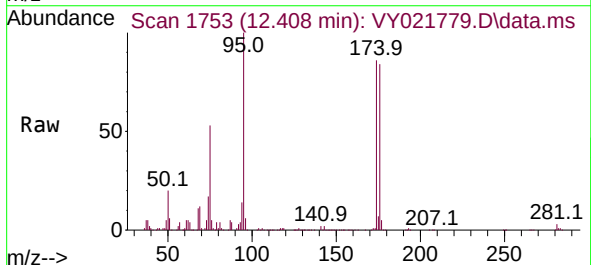
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

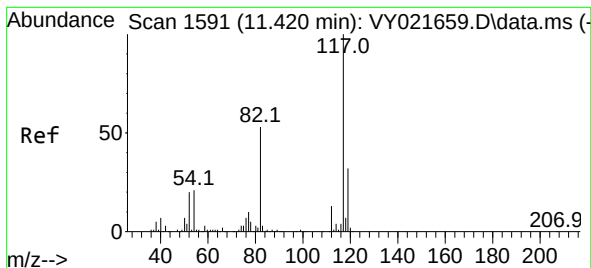
Tgt Ion:107 Resp: 31579
Ion Ratio Lower Upper
107 100
109 94.3 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 51.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 95 Resp: 145713
Ion Ratio Lower Upper
95 100
174 82.4 0.0 170.8
176 80.0 0.0 162.0

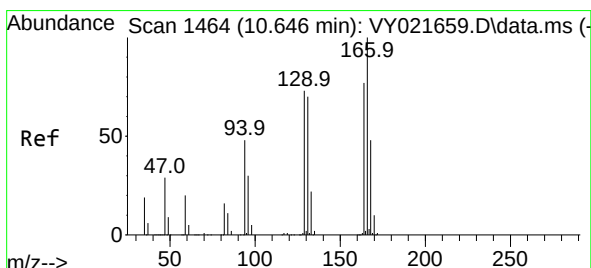
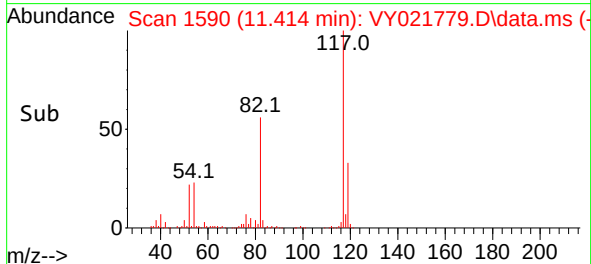
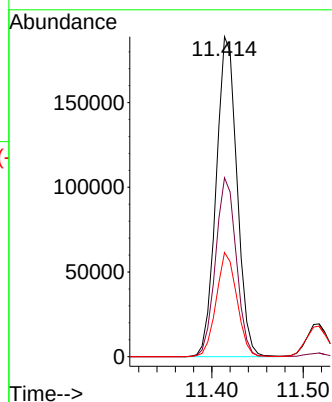
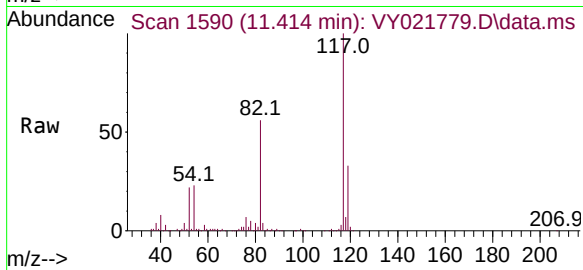




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

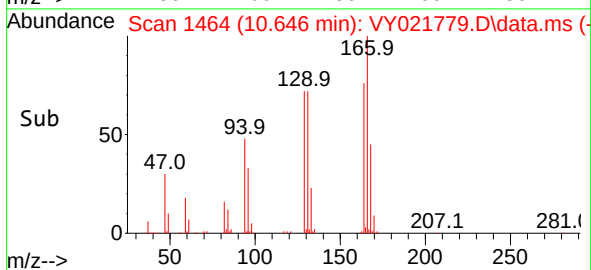
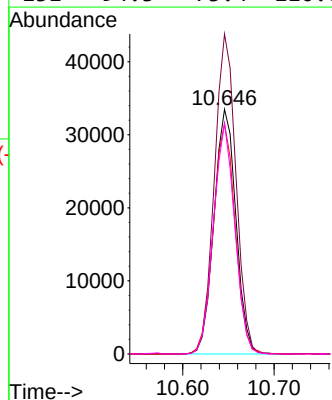
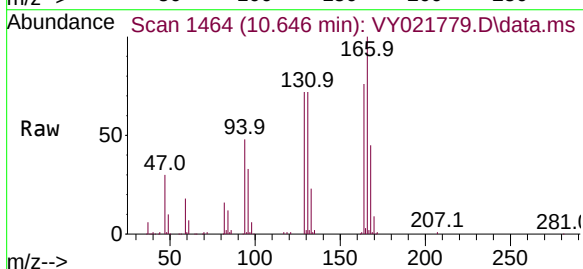
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

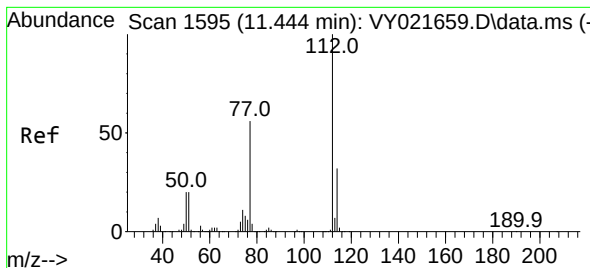
Tgt Ion:117 Resp: 299516
Ion Ratio Lower Upper
117 100
82 55.9 42.8 64.2
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 20.410 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:164 Resp: 55676
Ion Ratio Lower Upper
164 100
166 130.8 104.6 156.8
129 94.1 76.6 114.8
131 94.3 73.4 110.0





#65

Chlorobenzene

Concen: 19.170 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

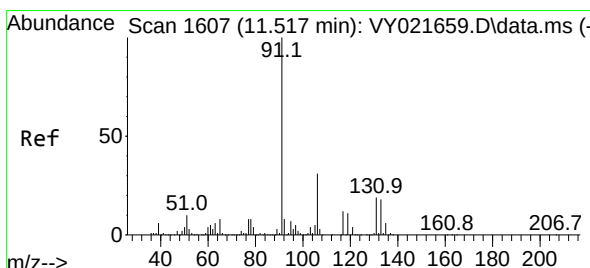
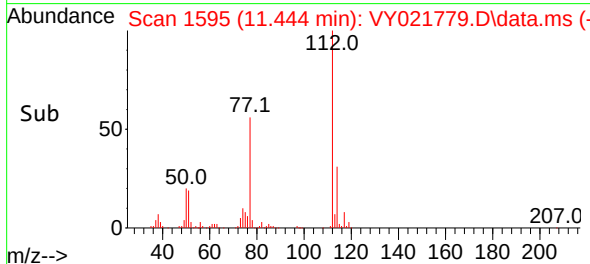
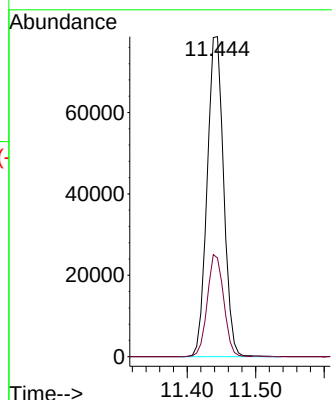
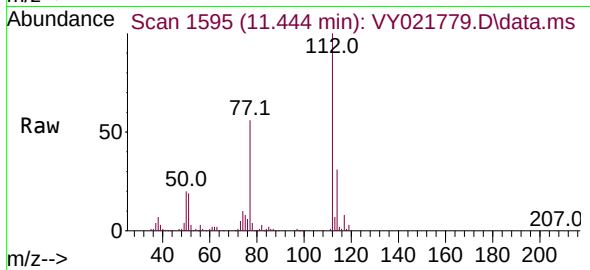
VY0404SBS01

Tgt Ion:112 Resp: 131622

Ion Ratio Lower Upper

112 100

114 30.9 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.267 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

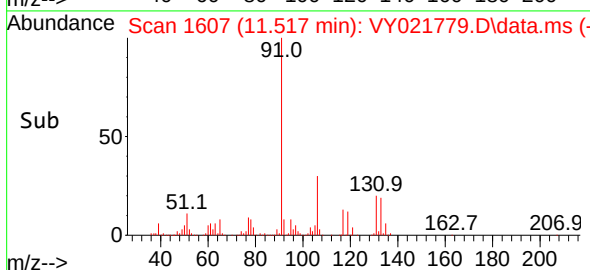
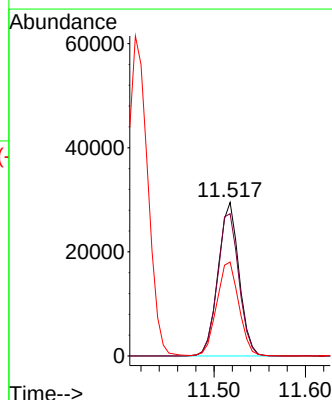
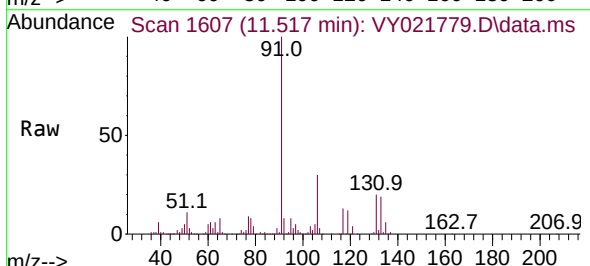
Tgt Ion:131 Resp: 46936

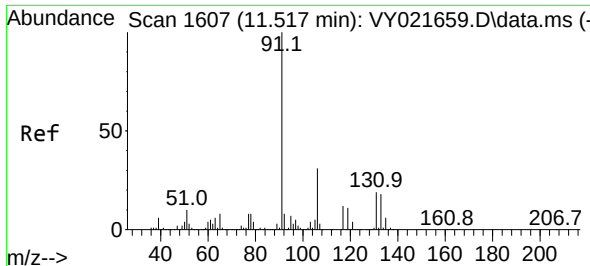
Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

119 64.9 31.6 95.0

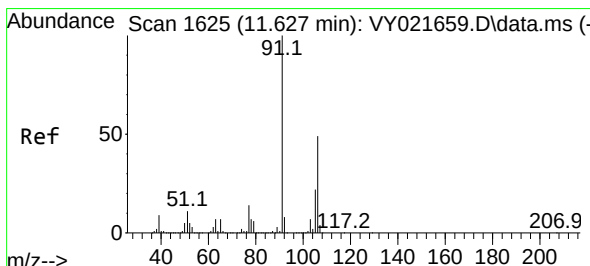
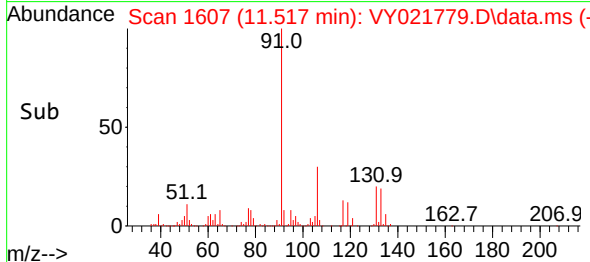
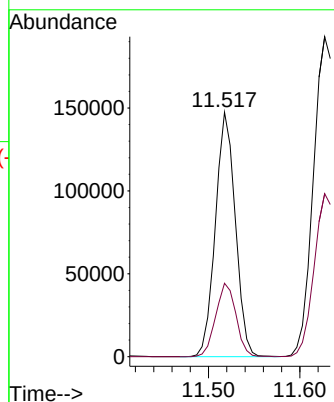
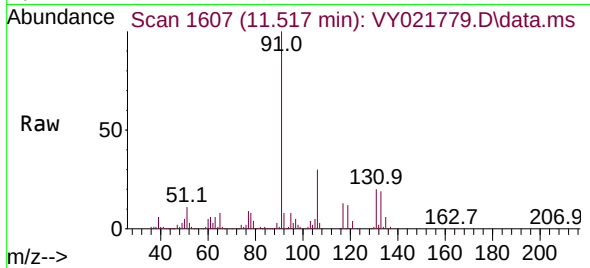




#67
Ethyl Benzene
Concen: 18.996 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

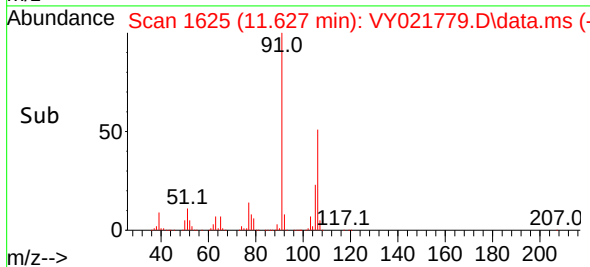
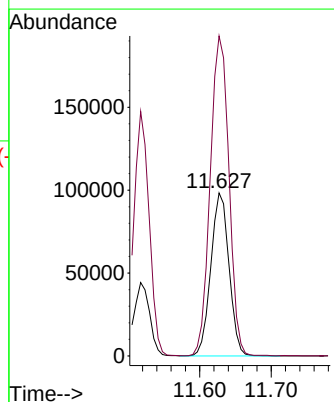
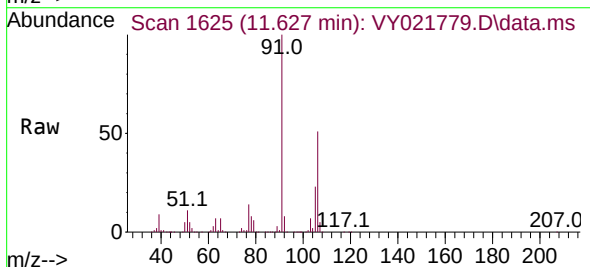
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

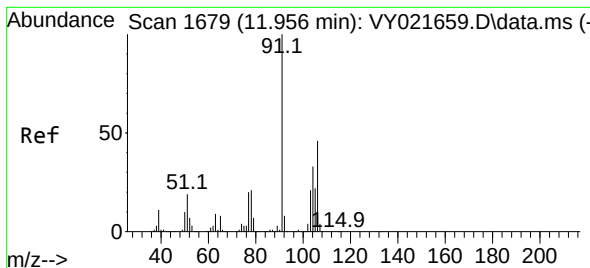
Tgt Ion: 91 Resp: 223644
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 38.499 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:106 Resp: 173569
Ion Ratio Lower Upper
106 100
91 201.9 162.4 243.6

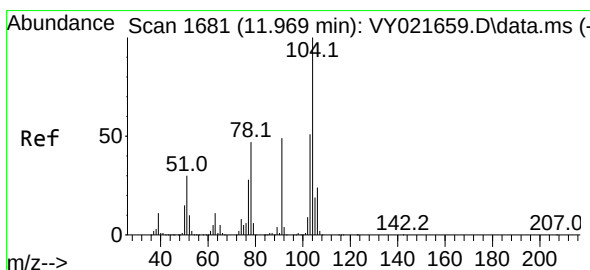
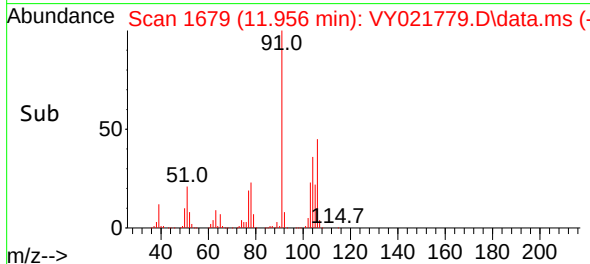
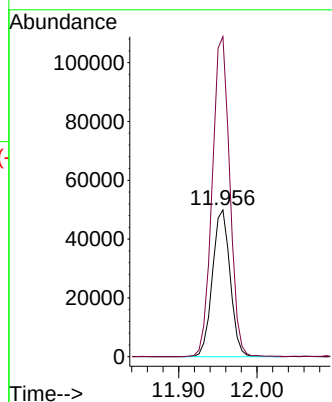
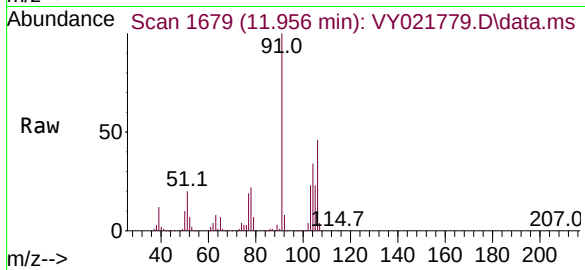




#69
o-Xylene
Concen: 18.794 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

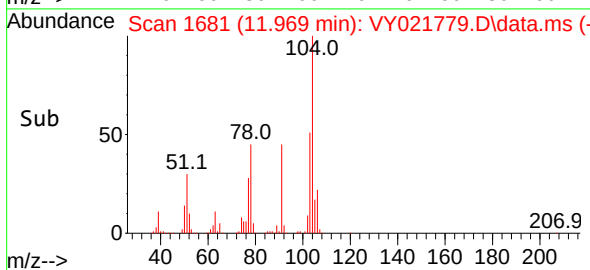
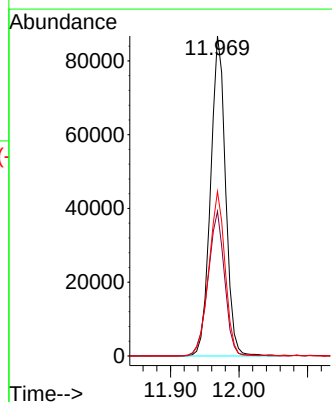
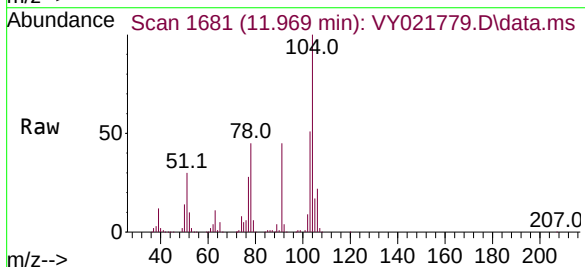
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

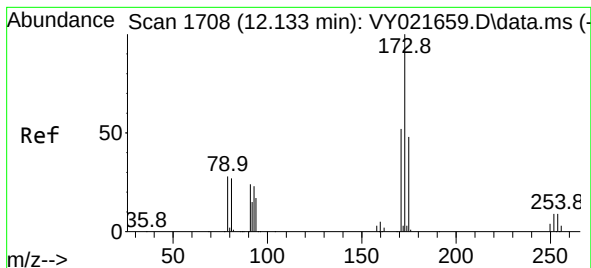
Tgt Ion:106 Resp: 78213
Ion Ratio Lower Upper
106 100
91 216.9 106.7 319.9



#70
Styrene
Concen: 19.111 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:104 Resp: 132607
Ion Ratio Lower Upper
104 100
78 49.8 40.8 61.2
103 55.4 44.2 66.2





#71

Bromoform

Concen: 19.678 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

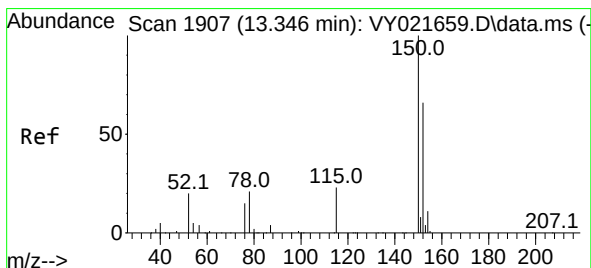
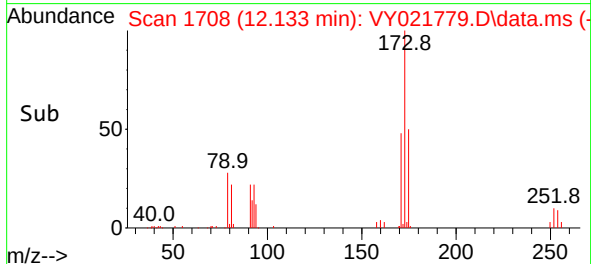
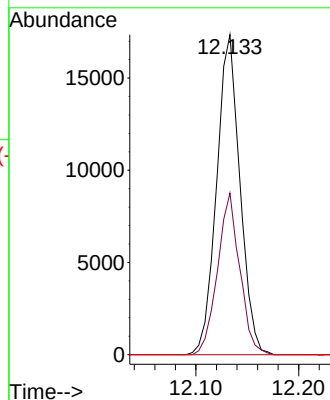
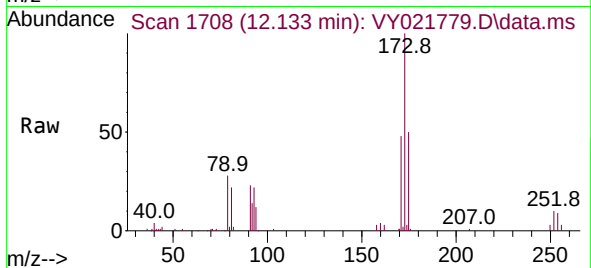
Tgt Ion:173 Resp: 27344

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

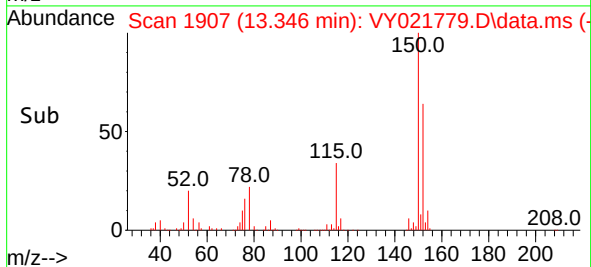
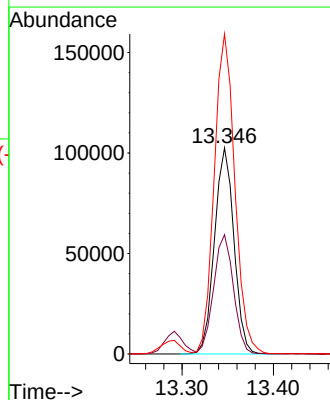
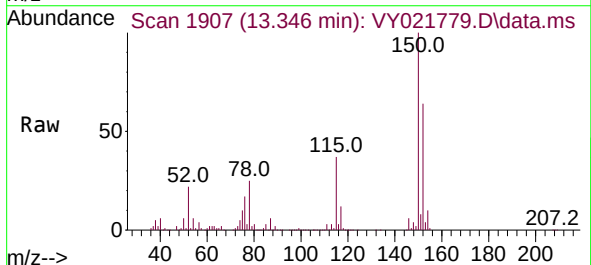
Tgt Ion:152 Resp: 151992

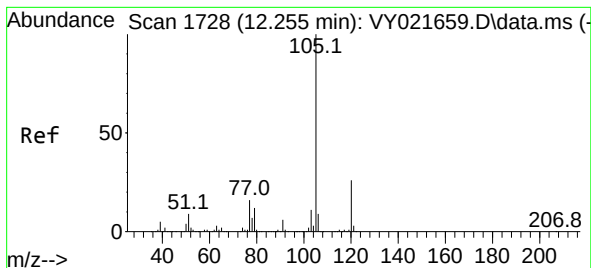
Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 164.1 0.0 348.4





#73

Isopropylbenzene

Concen: 18.722 ug/l

RT: 12.255 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

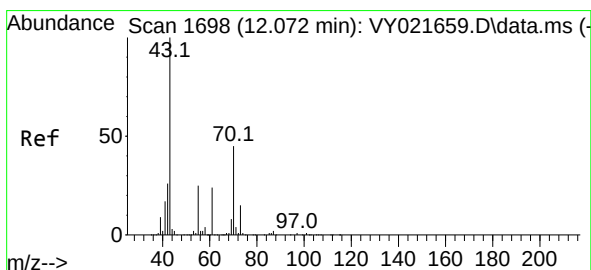
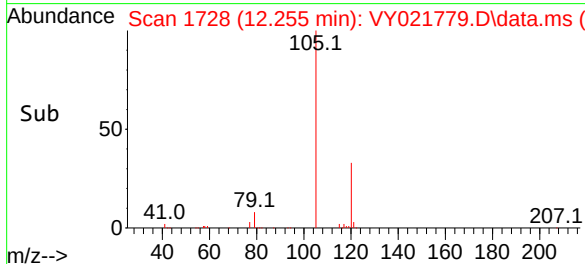
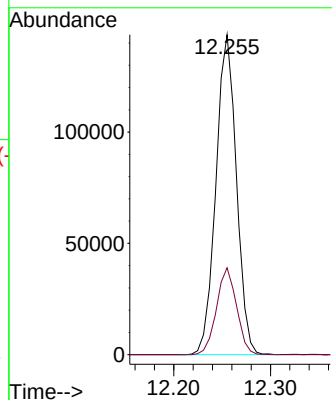
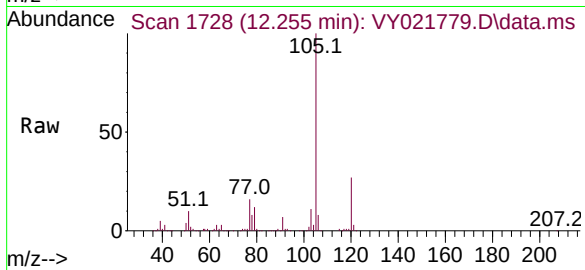
VY0404SBSD01

Tgt Ion:105 Resp: 211355

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



#74

N-ethyl acetate

Concen: 17.347 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 45960

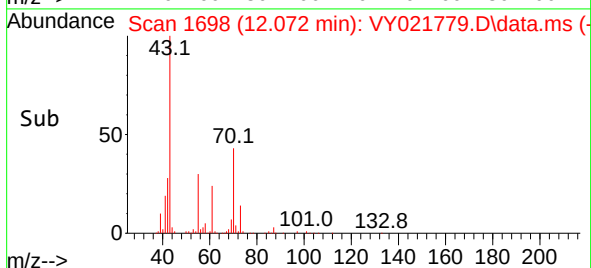
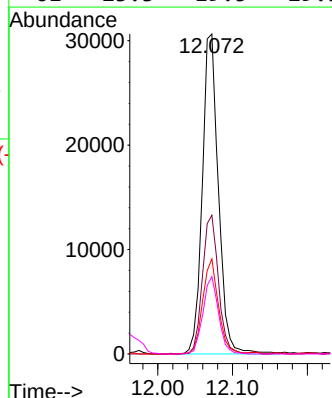
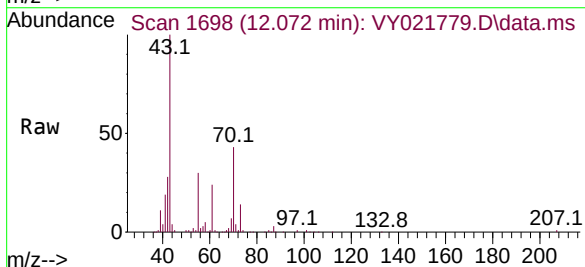
Ion Ratio Lower Upper

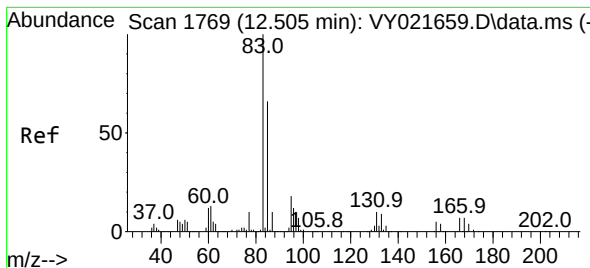
43 100

70 42.9 34.7 52.1

55 29.2 21.2 31.8

61 23.3 19.5 29.3

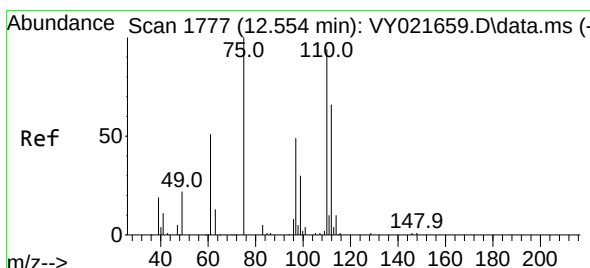
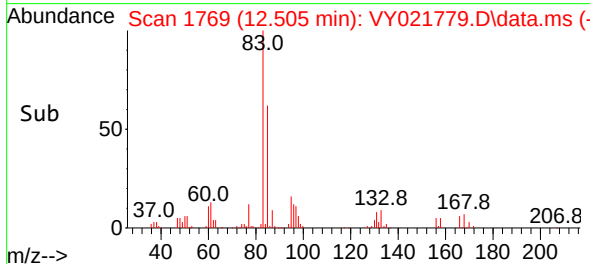
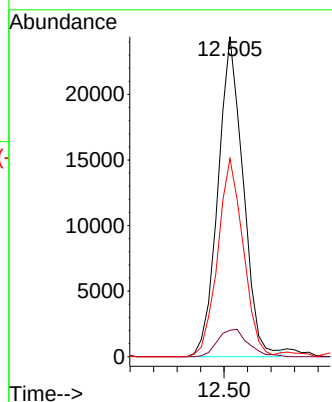
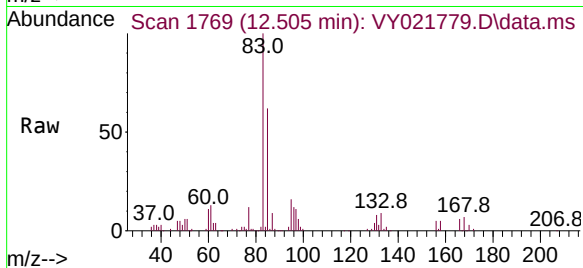




#75
1,1,2,2-Tetrachloroethane
Concen: 17.859 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

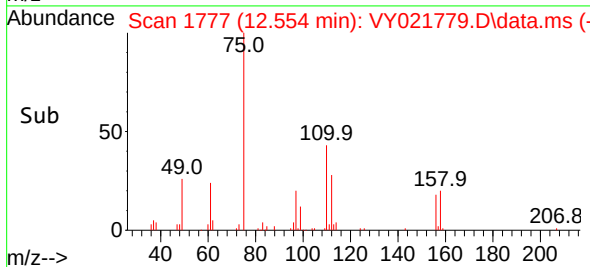
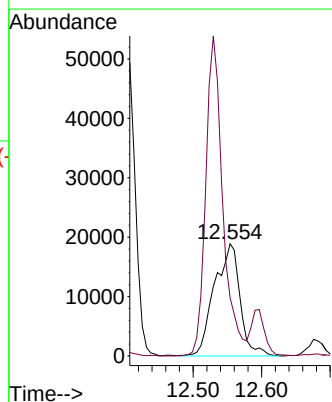
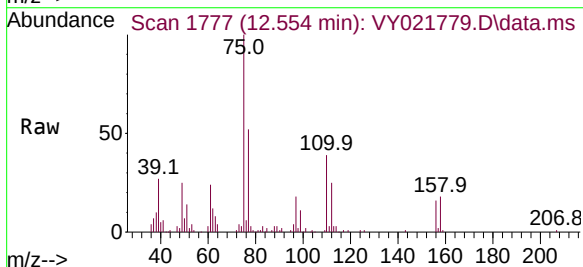
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

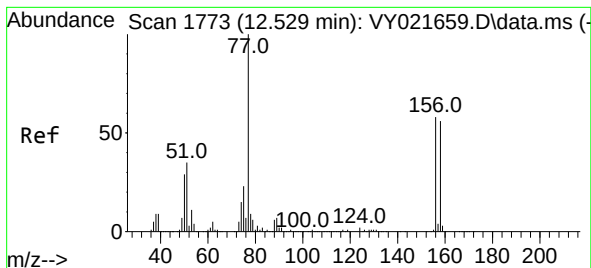
Tgt Ion: 83 Resp: 36248
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 62.8 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 32.529 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 49009
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.757 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

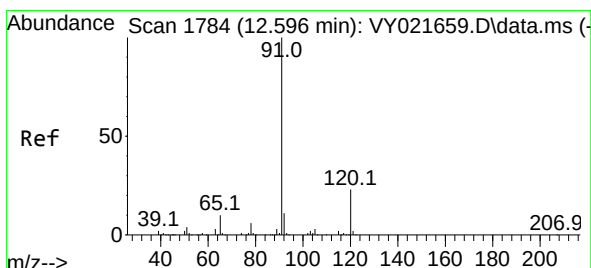
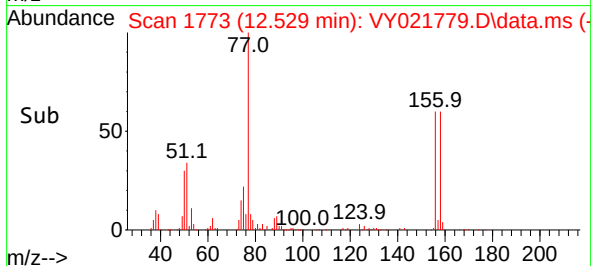
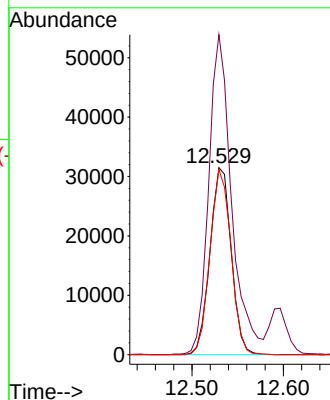
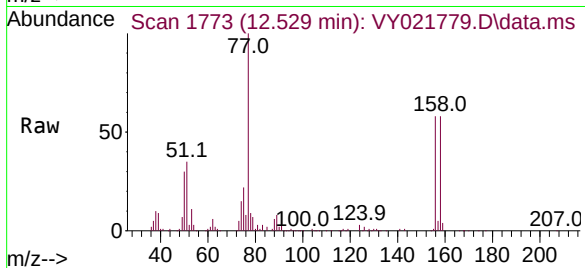
Tgt Ion:156 Resp: 50842

Ion Ratio Lower Upper

156 100

77 184.5 92.8 278.3

158 97.9 48.5 145.6



#78

n-propylbenzene

Concen: 19.126 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021779.D

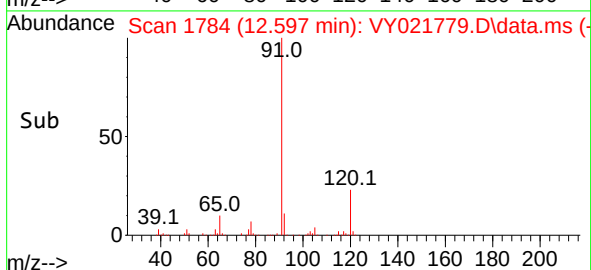
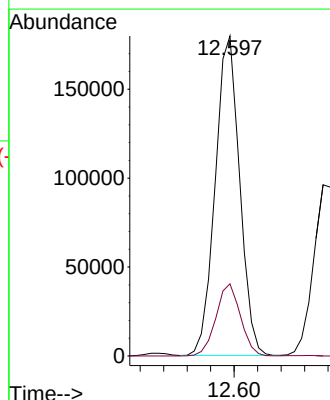
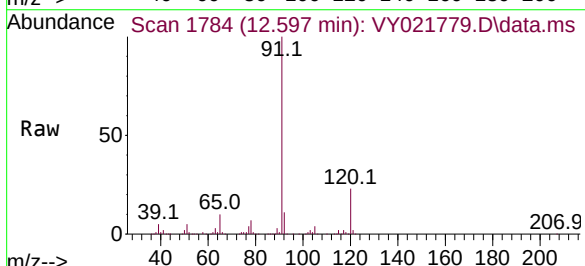
Acq: 04 Apr 2025 10:49

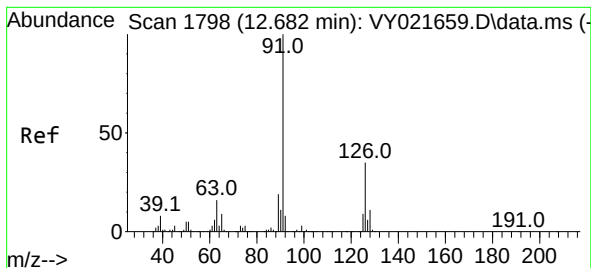
Tgt Ion: 91 Resp: 259575

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.9

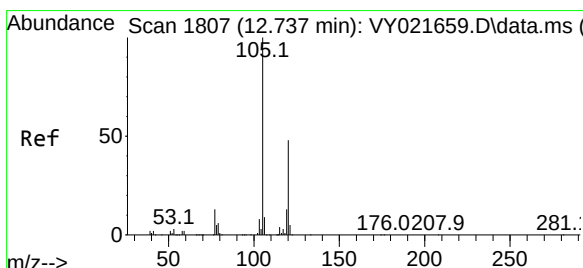
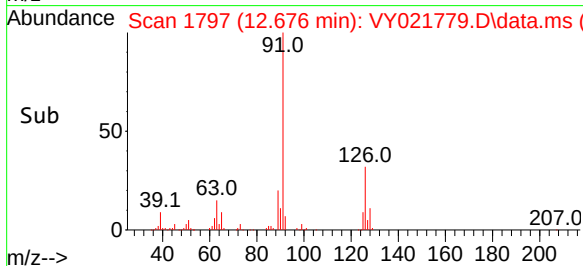
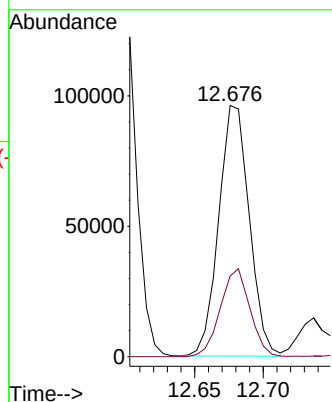
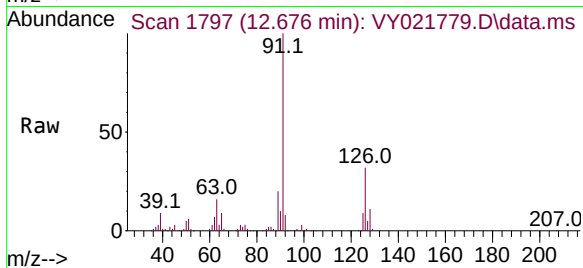




#79
2-Chlorotoluene
Concen: 18.949 ug/l
RT: 12.676 min Scan# 1798
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

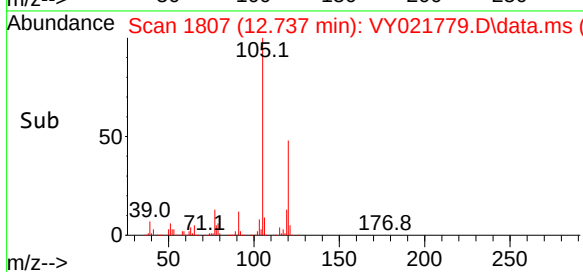
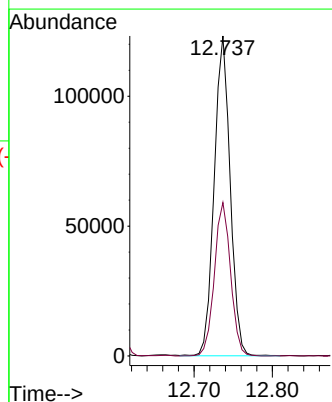
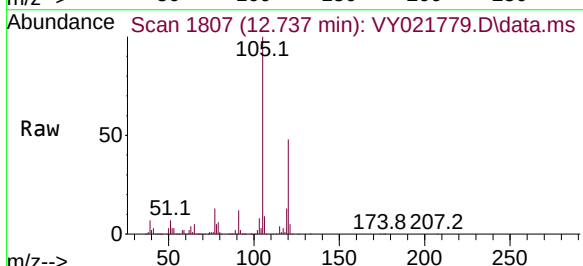
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

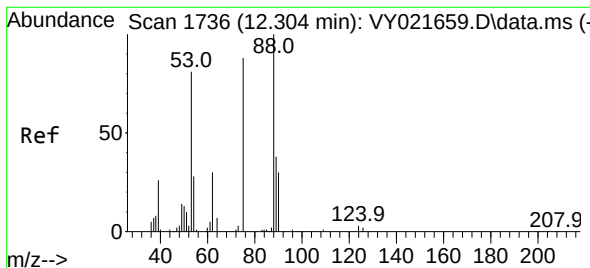
Tgt Ion: 91 Resp: 149376
Ion Ratio Lower Upper
91 100
126 33.9 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 18.899 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 105 Resp: 174371
Ion Ratio Lower Upper
105 100
120 48.7 24.5 73.5

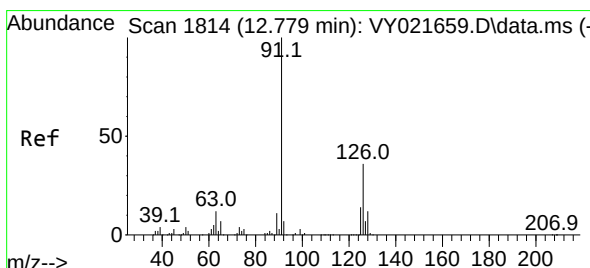
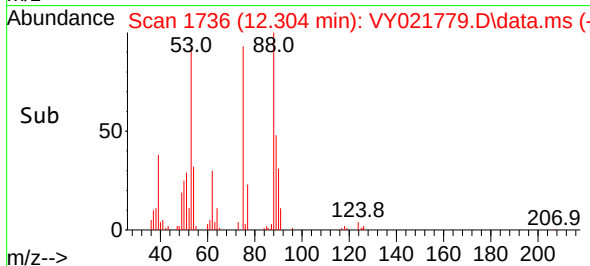
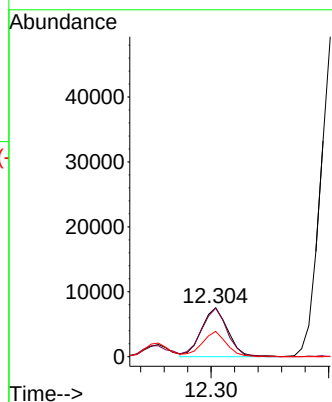
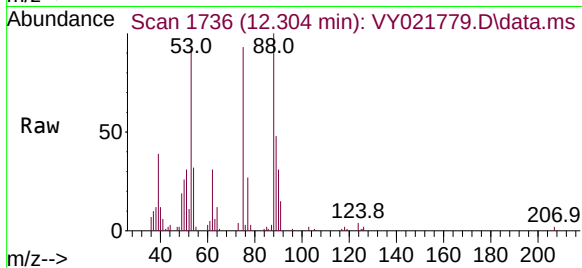




#81
trans-1,4-Dichloro-2-butene
Concen: 17.932 ug/l
RT: 12.304 min Scan# 11725
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

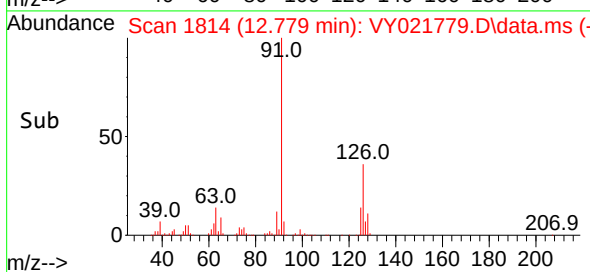
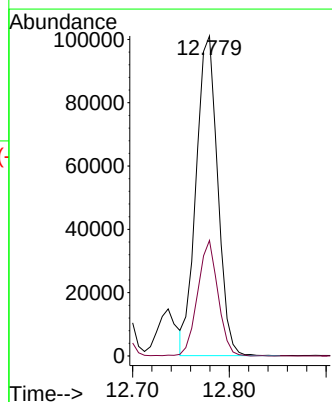
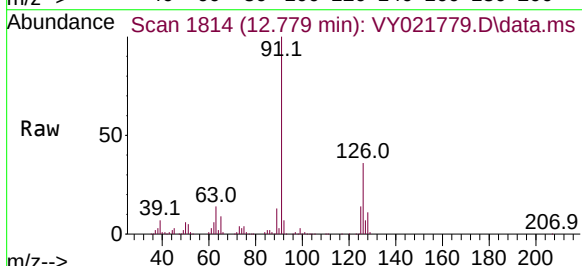
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

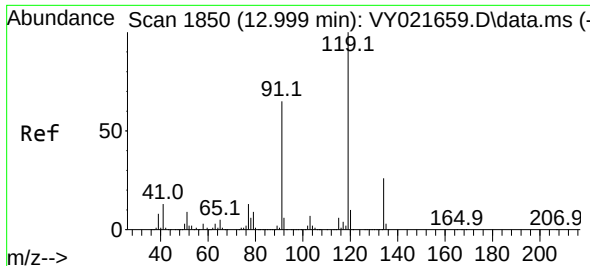
Tgt Ion:	75	Resp:	11725
Ion	Ratio	Lower	Upper
75	100		
53	96.7	76.1	114.1
89	47.7	36.2	54.4



#82
4-Chlorotoluene
Concen: 19.034 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:	91	Resp:	156430
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

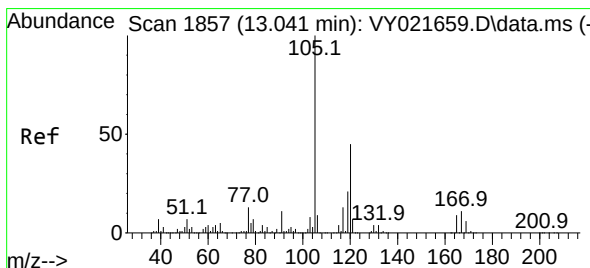
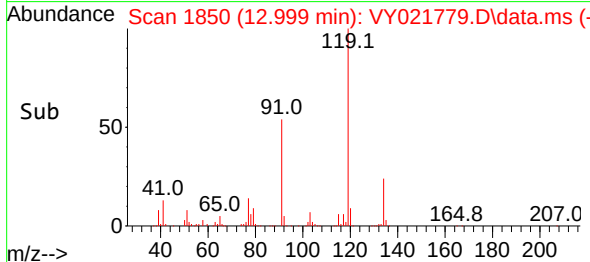
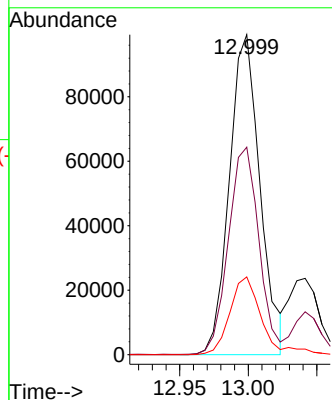
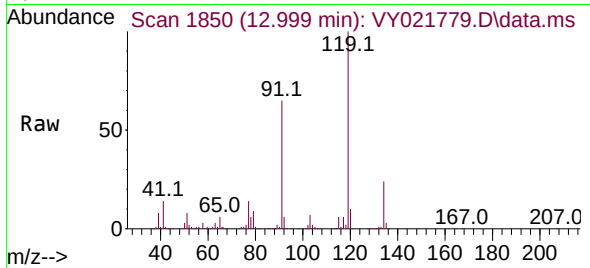




#83
 tert-Butylbenzene
 Concen: 18.819 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

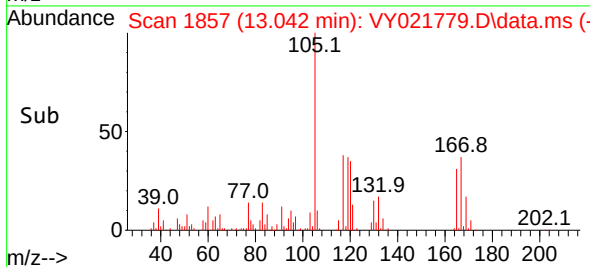
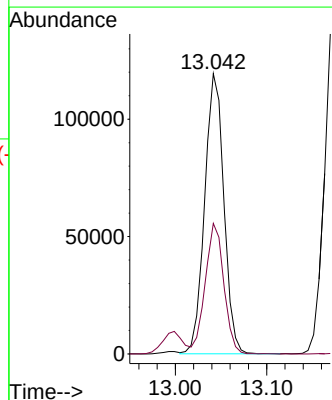
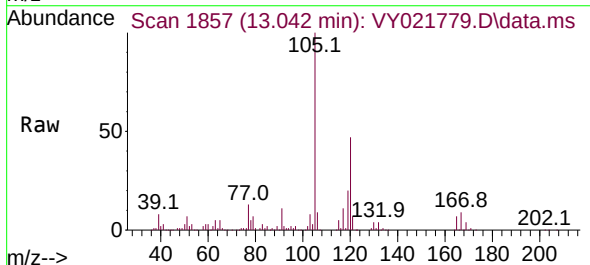
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBSD01

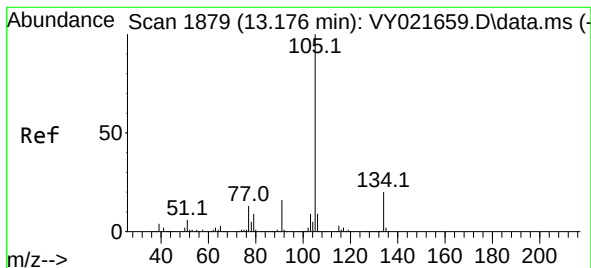
Tgt Ion:	119	Resp:	154652
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.6	97.7
134	25.2	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.044 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021779.D
 Acq: 04 Apr 2025 10:49

Tgt Ion:	105	Resp:	173659
Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.291 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

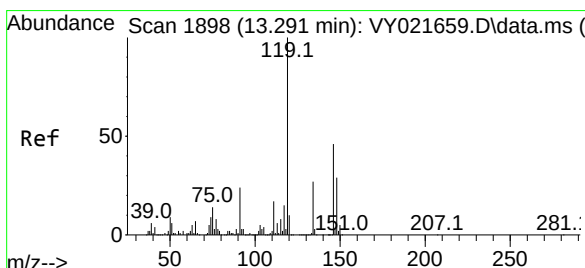
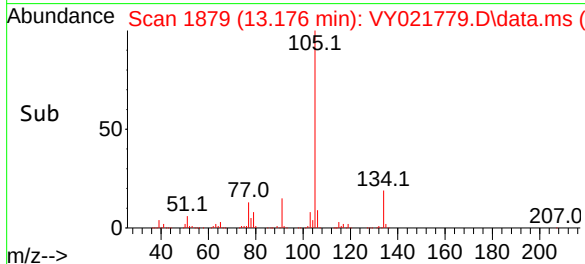
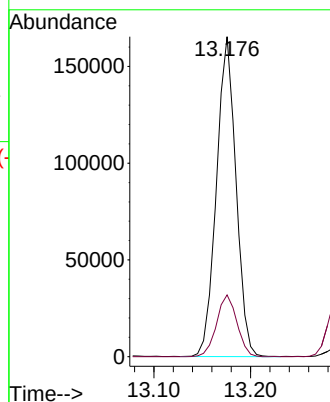
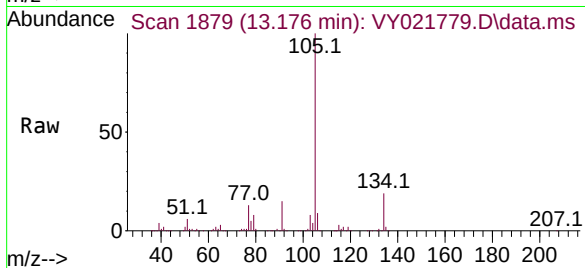
VY0404SBS01

Tgt Ion:105 Resp: 231681

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.237 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

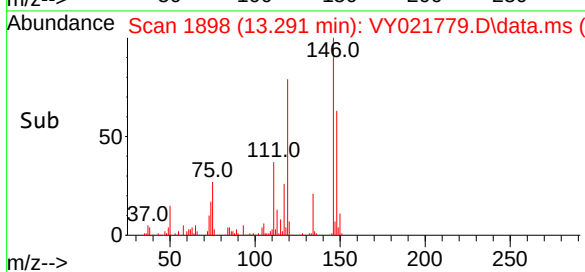
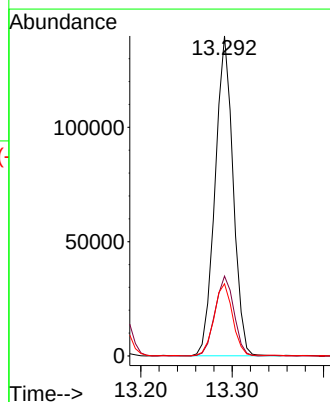
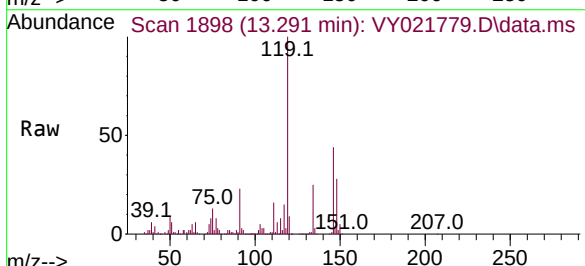
Tgt Ion:119 Resp: 190946

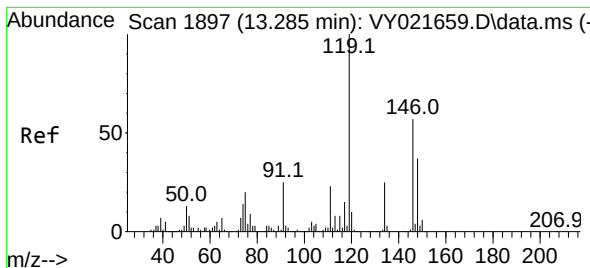
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.5 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.103 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBSD01

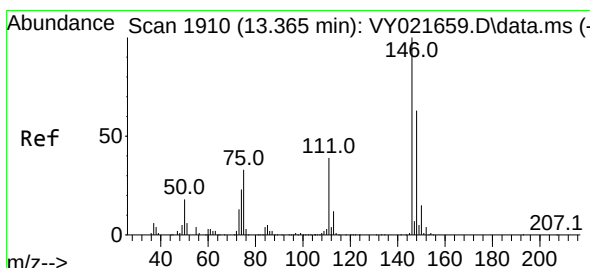
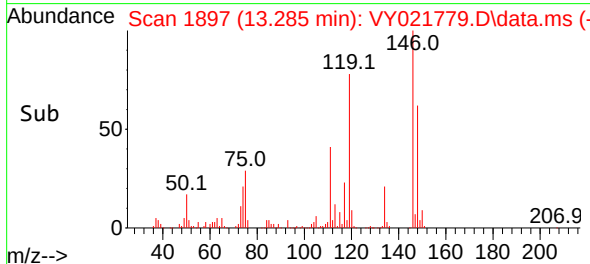
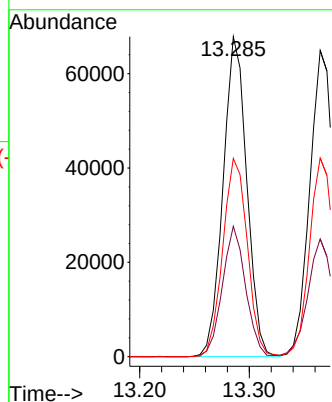
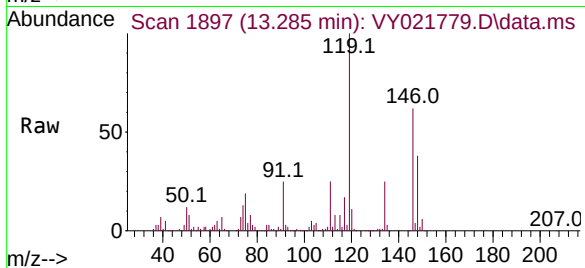
Tgt Ion:146 Resp: 102012

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

148 64.0 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 18.879 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

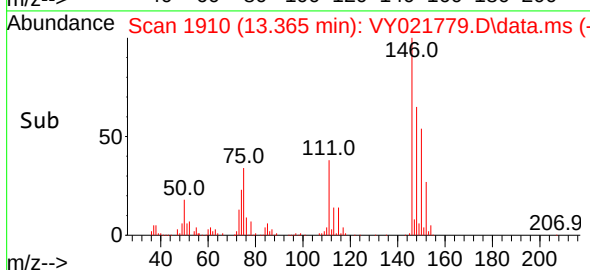
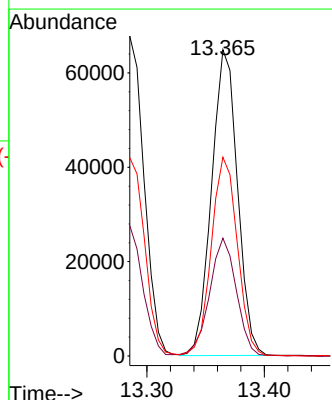
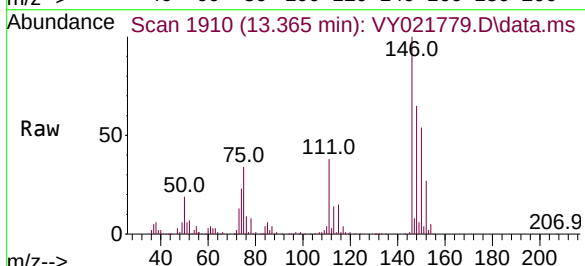
Tgt Ion:146 Resp: 99610

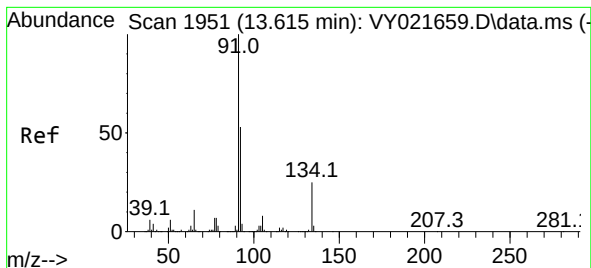
Ion Ratio Lower Upper

146 100

111 40.0 19.1 57.1

148 65.6 31.5 94.5

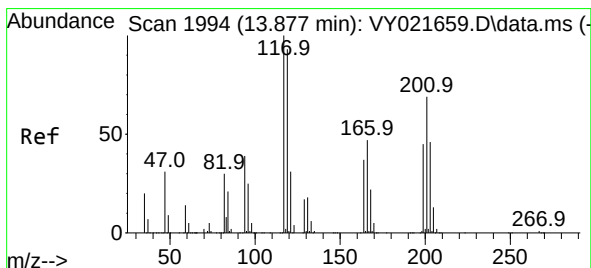
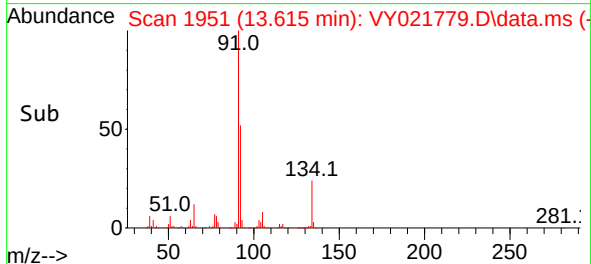
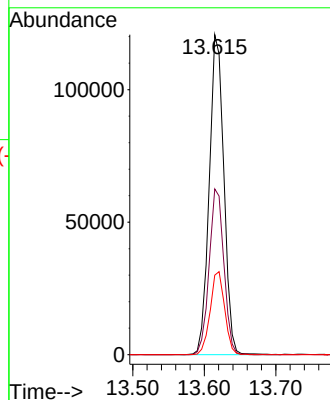
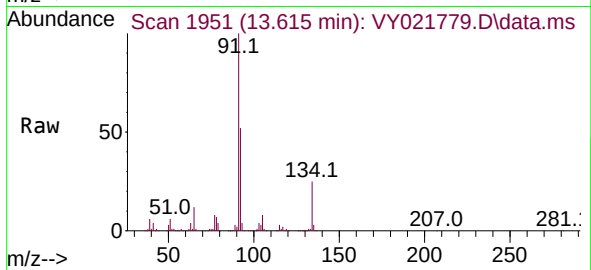




#89
n-Butylbenzene
Concen: 18.688 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

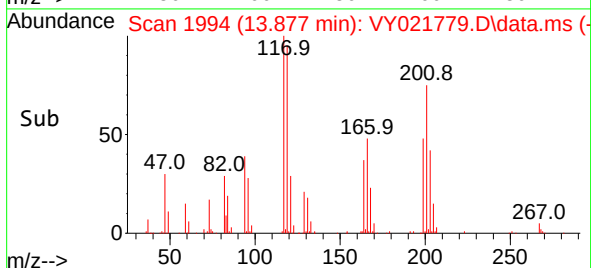
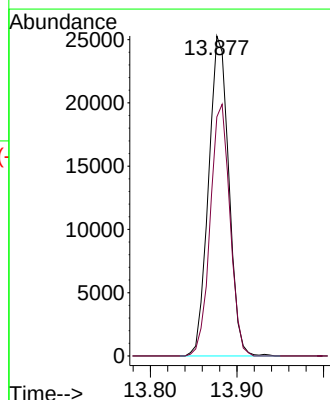
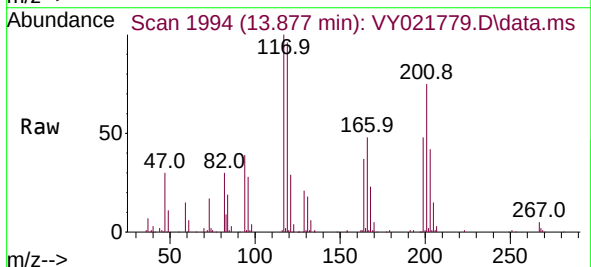
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

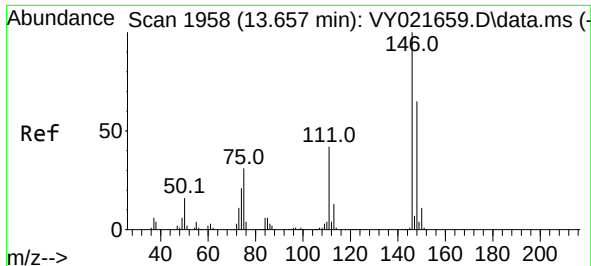
Tgt Ion: 91 Resp: 171547
Ion Ratio Lower Upper
91 100
92 52.2 26.4 79.2
134 25.7 12.8 38.4



#90
Hexachloroethane
Concen: 18.858 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 117 Resp: 41020
Ion Ratio Lower Upper
117 100
201 76.5 37.4 112.1

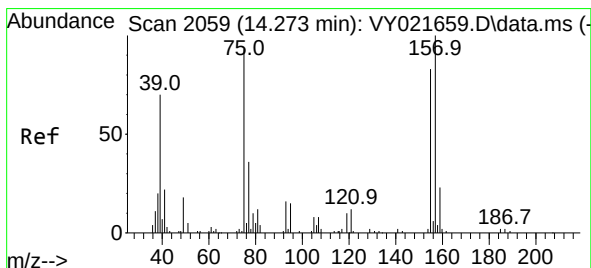
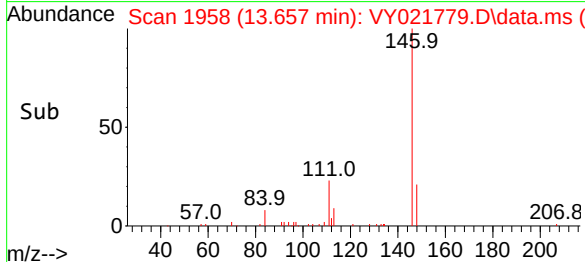
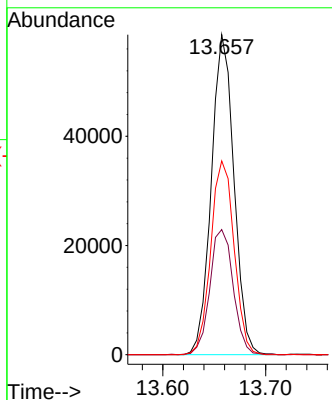
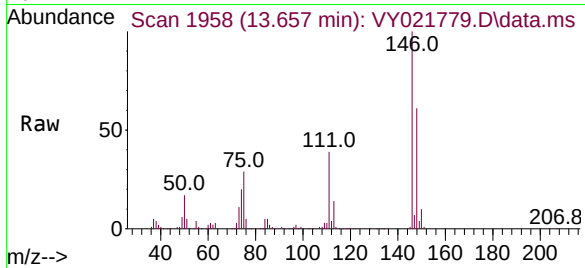




#91
1,2-Dichlorobenzene
Concen: 19.263 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

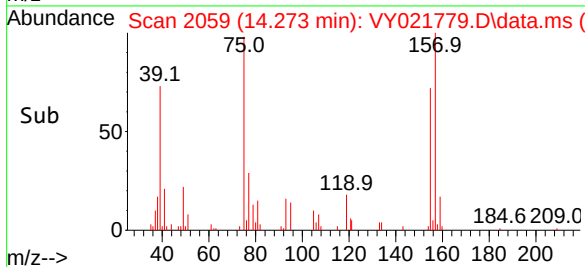
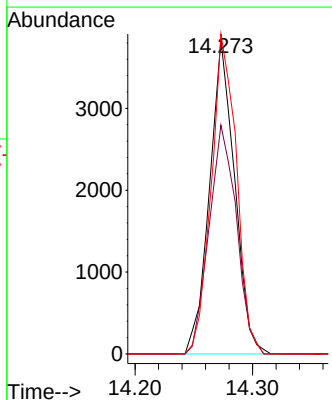
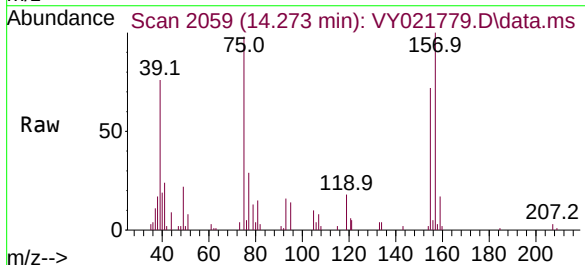
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

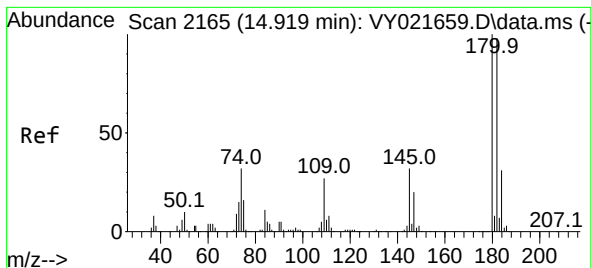
Tgt Ion:	146	Resp:	89545
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	62.5	32.3	96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.104 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:	75	Resp:	5695
Ion	Ratio	Lower	Upper
75	100		
155	79.3	43.0	128.8
157	102.1	54.0	162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.388 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBS01

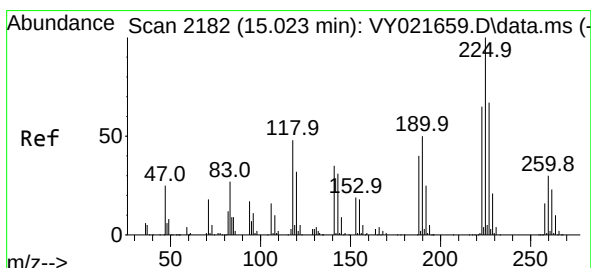
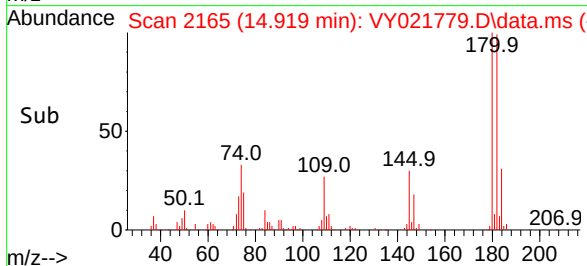
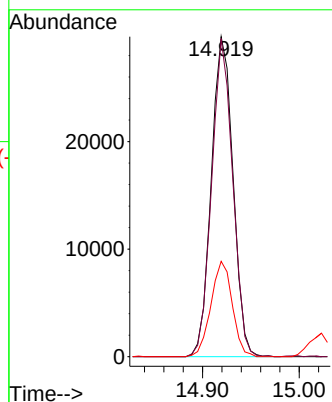
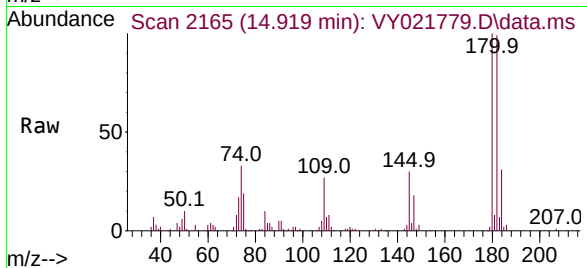
Tgt Ion:180 Resp: 46354

Ion Ratio Lower Upper

180 100

182 96.3 47.5 142.6

145 29.3 14.9 44.9



#94

Hexachlorobutadiene

Concen: 19.118 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021779.D

Acq: 04 Apr 2025 10:49

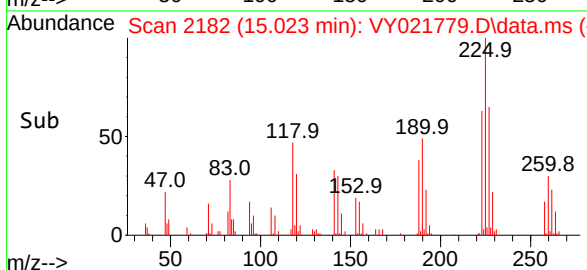
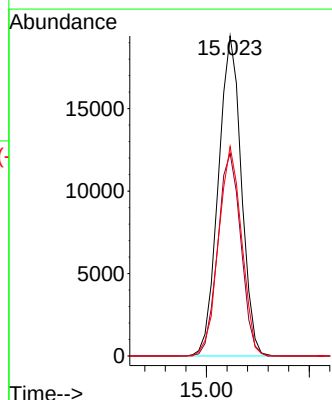
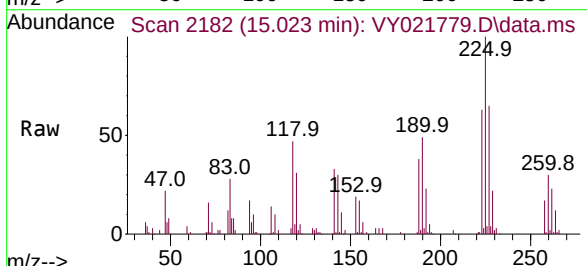
Tgt Ion:225 Resp: 30099

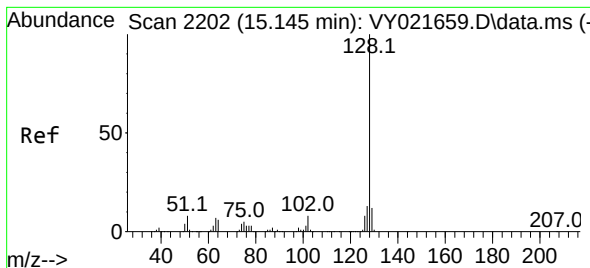
Ion Ratio Lower Upper

225 100

223 63.6 31.9 95.7

227 65.4 32.4 97.0

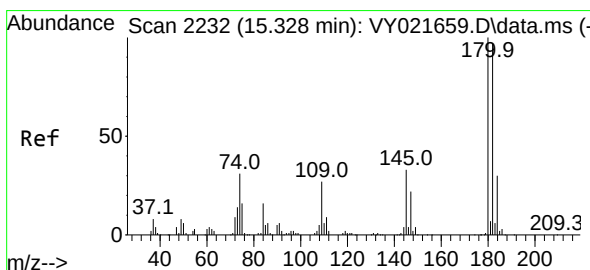
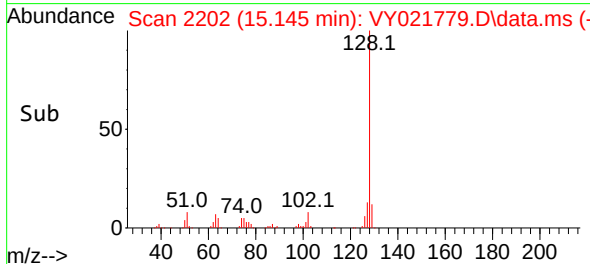
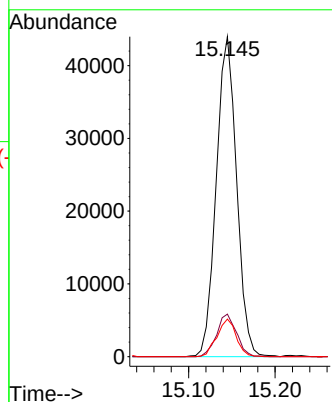
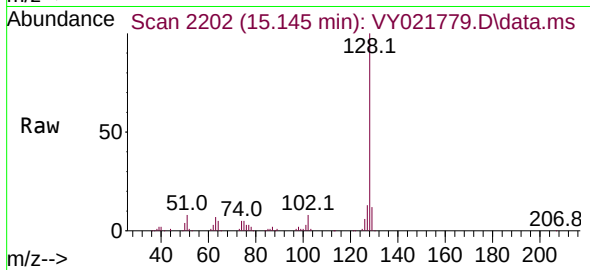




#95
Naphthalene
Concen: 17.176 ug/l
RT: 15.145 min Scan# 211
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

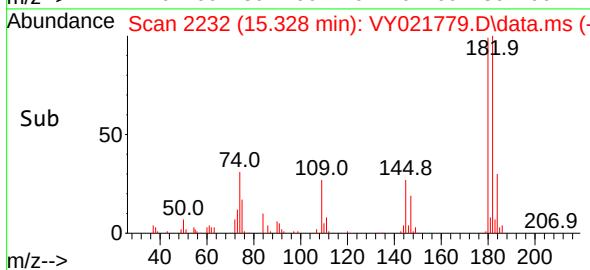
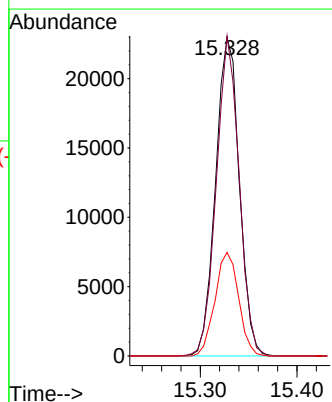
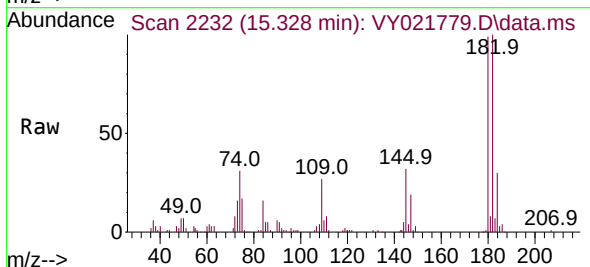
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:128 Resp: 71772
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.186 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:180 Resp: 39094
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.5
145 32.4 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

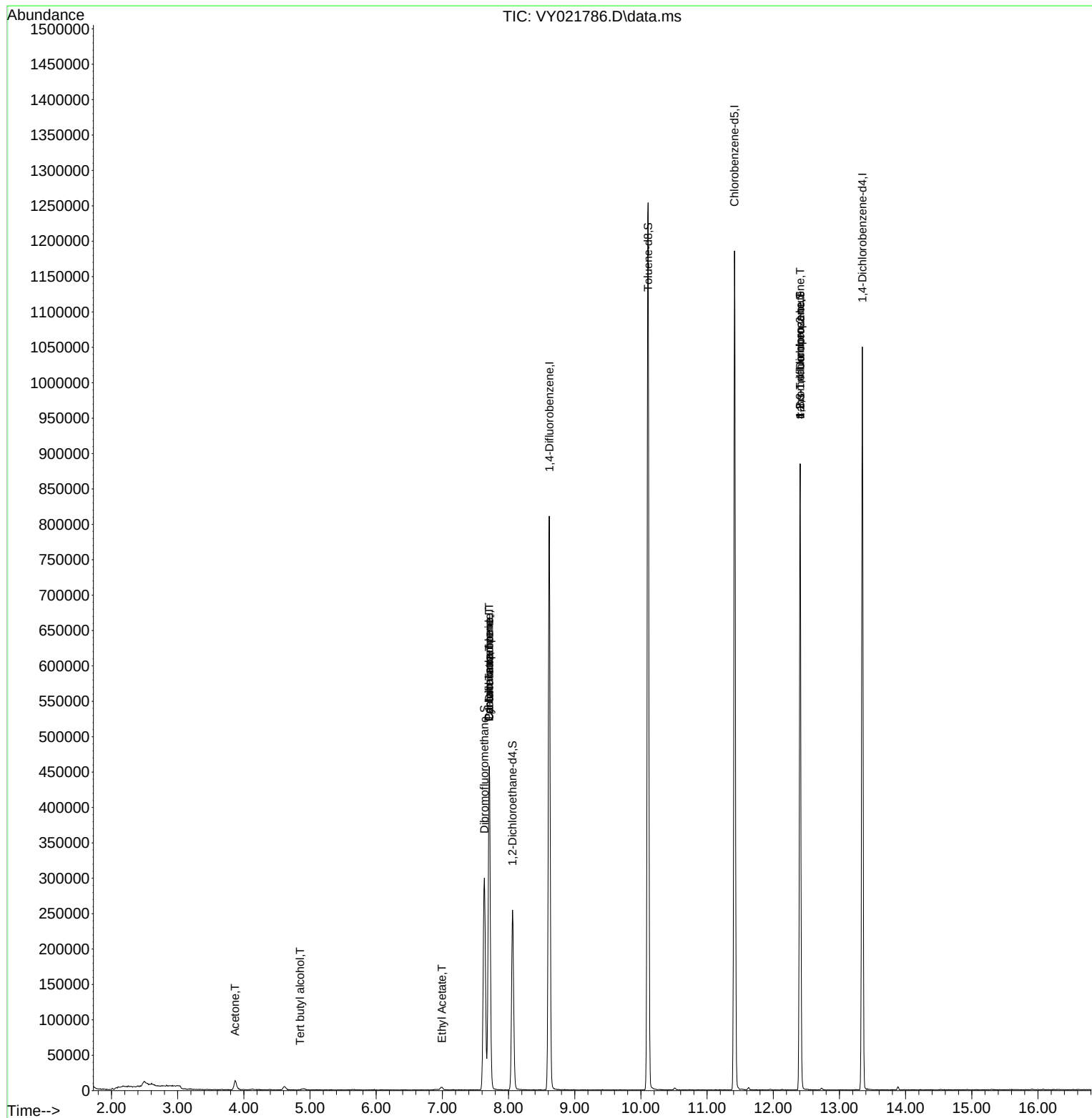
Internal Standards						
1) Pentafluorobenzene	7.707	168	341604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	662745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200040	54.048	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.100%
35) Dibromofluoromethane	7.634	113	213518	49.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.109	98	813418	49.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.460%
62) 4-Bromofluorobenzene	12.408	95	260762	47.136	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	948	3.943	ug/l #	70
16) Acetone	3.867	43	22926	30.266	ug/l	95
20) Methylene Chloride	4.616	84	3087	Below Cal		91
31) Cyclohexane	7.707	56	7603	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28075	4.287	ug/l #	51
37) Ethyl Acetate	6.994	43	5812	1.881	ug/l #	88
38) Carbon Tetrachloride	7.707	117	35570	4.743	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	138091	55.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	138091	127.943	ug/l #	12

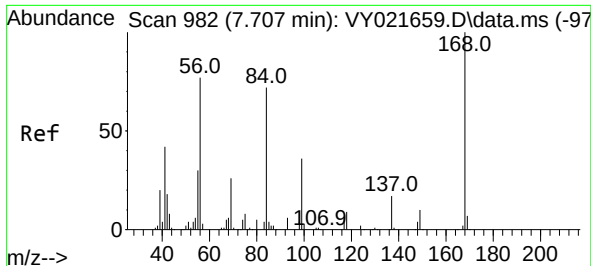
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

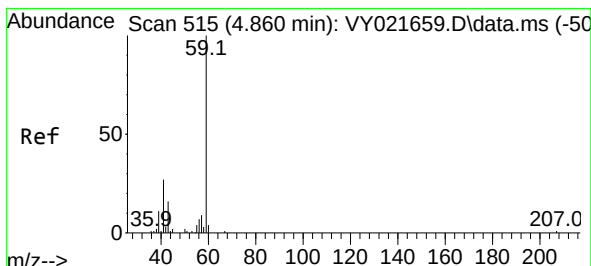
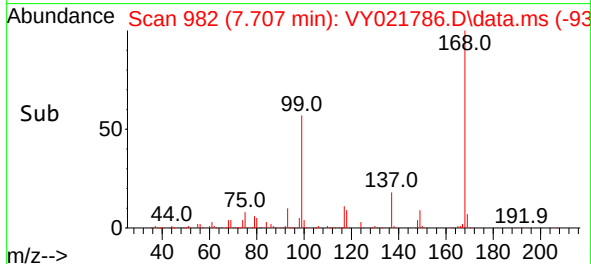
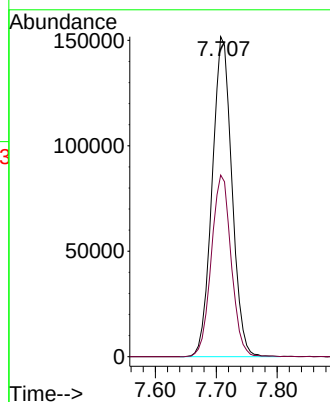
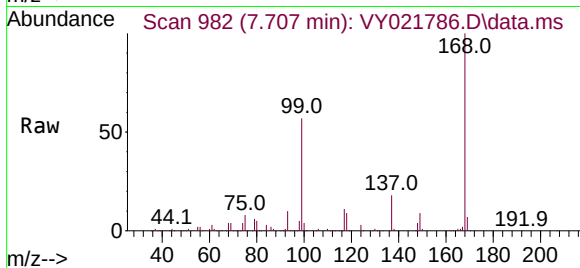




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

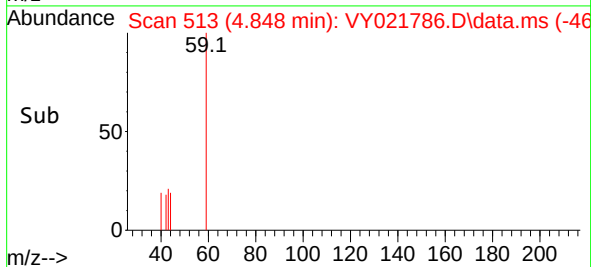
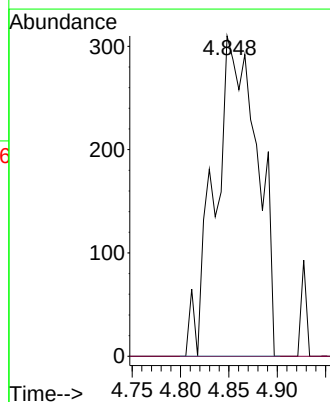
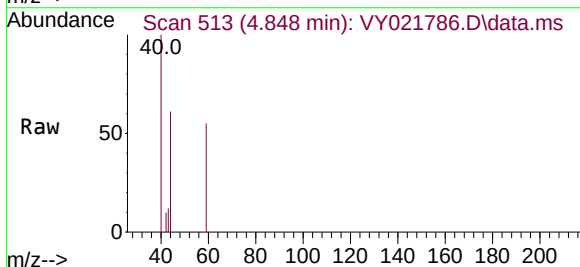
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

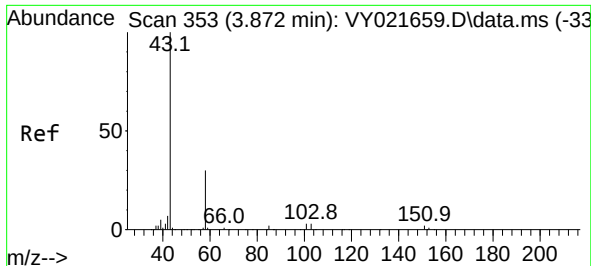
Tgt Ion:168 Resp: 341604
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#11
Tert butyl alcohol
Concen: 3.943 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 59 Resp: 948
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

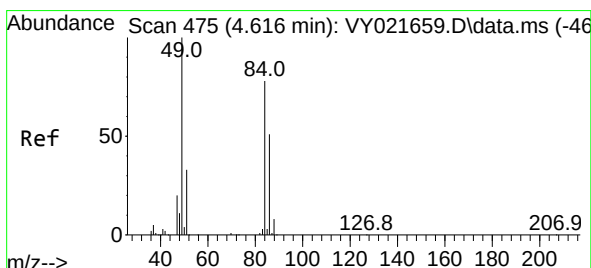
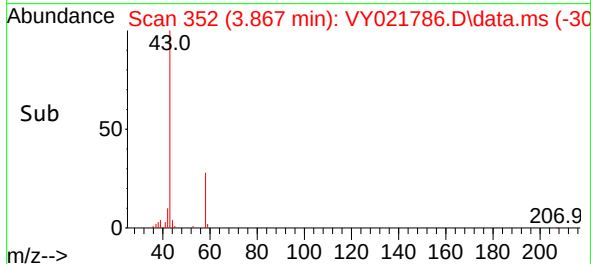
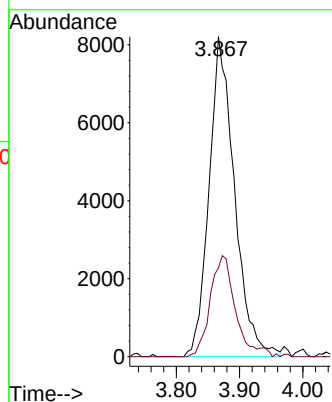
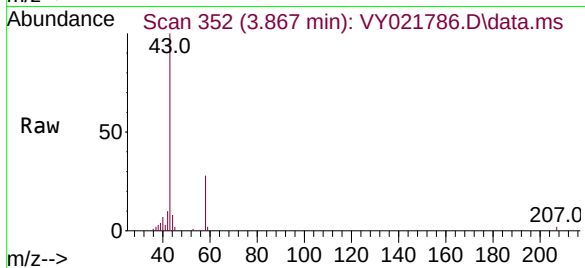




#16
Acetone
Concen: 30.266 ug/l
RT: 3.867 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

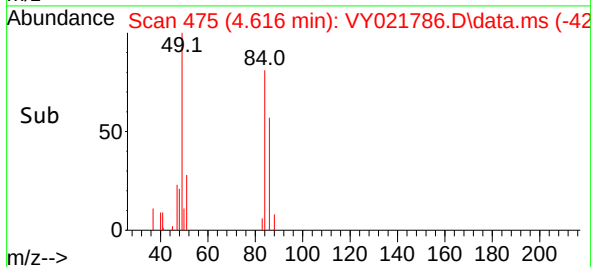
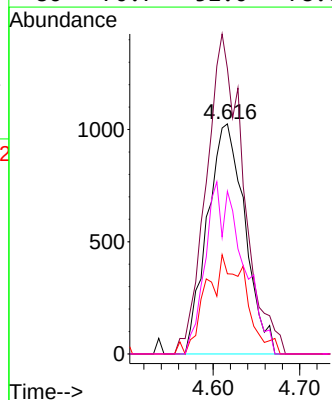
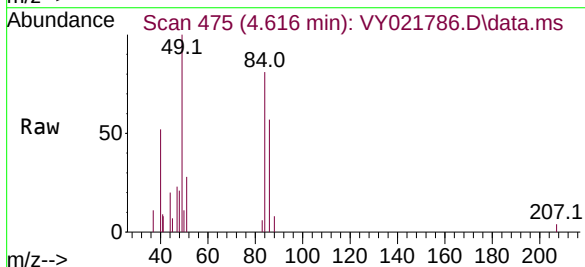
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

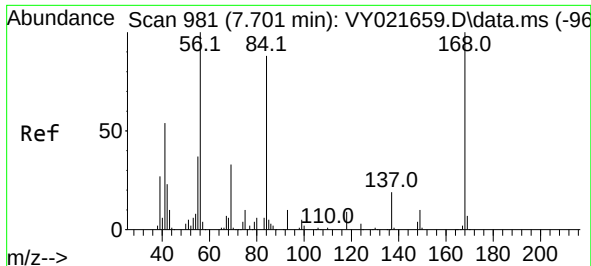
Tgt Ion: 43 Resp: 22926
Ion Ratio Lower Upper
43 100
58 27.8 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 84 Resp: 3087
Ion Ratio Lower Upper
84 100
49 117.4 102.8 154.2
51 34.8 33.5 50.3
86 70.7 52.0 78.0

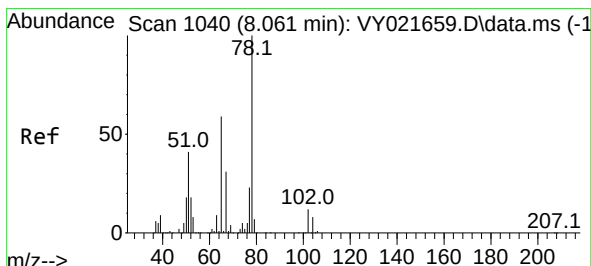
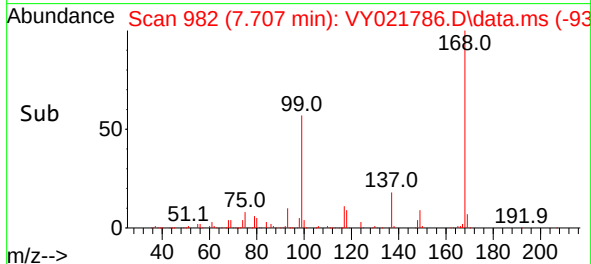
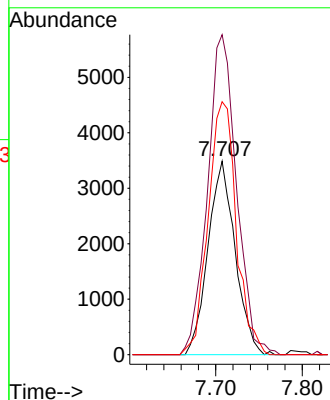
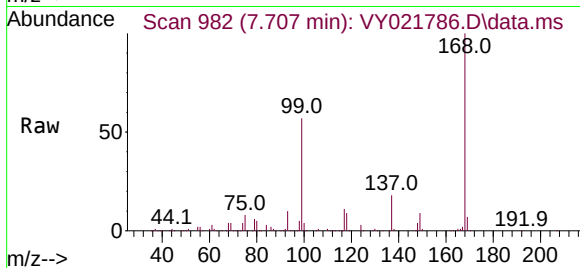




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

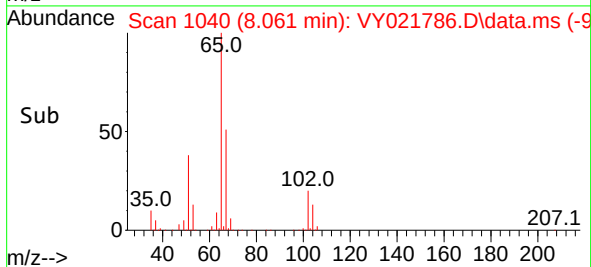
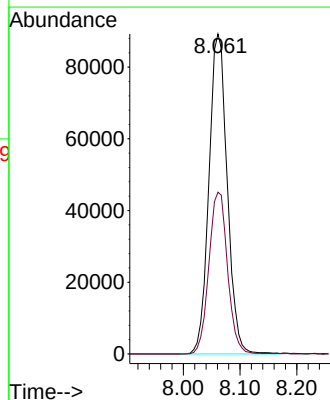
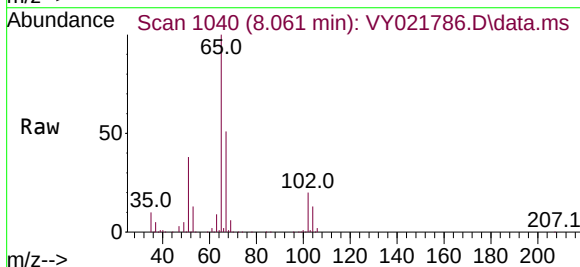
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

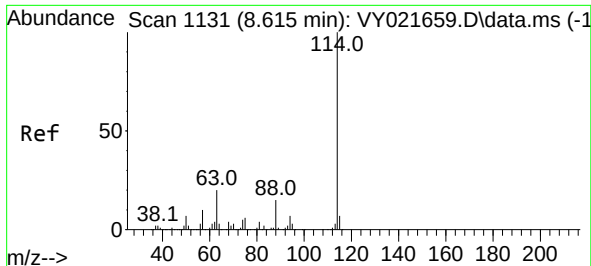
Tgt Ion: 56 Resp: 7603
Ion Ratio Lower Upper
56 100
69 165.4 26.6 40.0#
84 130.7 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 54.048 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 65 Resp: 200040
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325

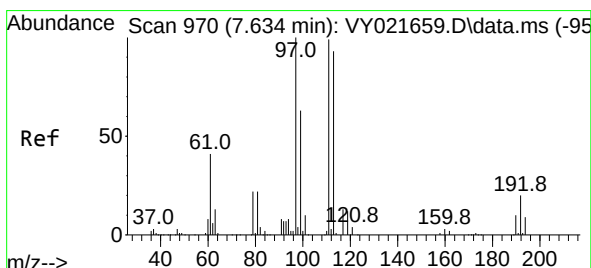
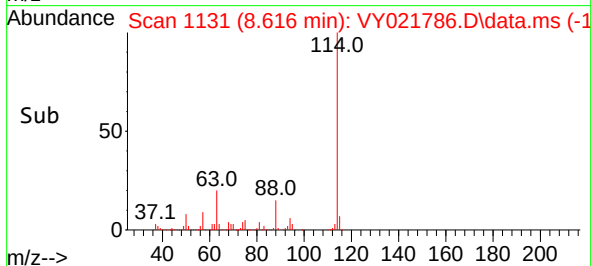
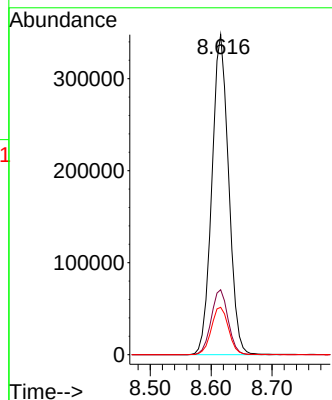
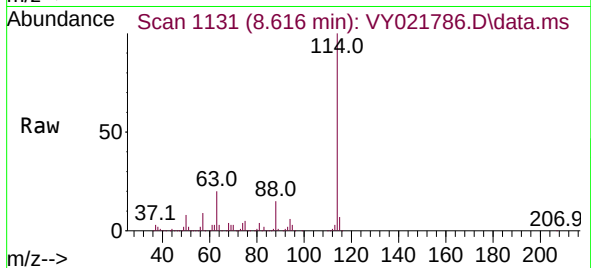
Tgt Ion:114 Resp: 662745

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.666 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

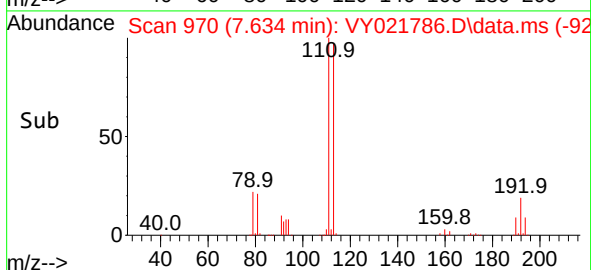
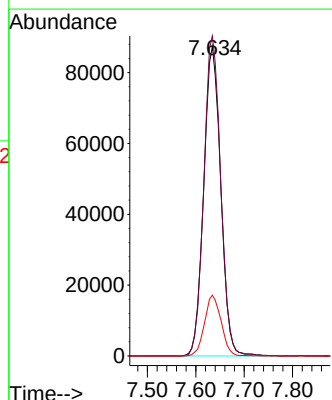
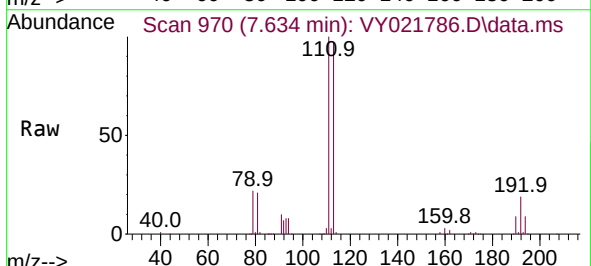
Tgt Ion:113 Resp: 213518

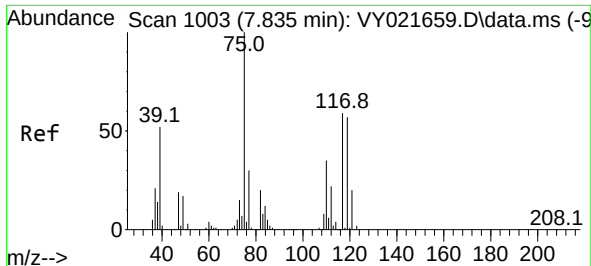
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.2 16.2 24.4

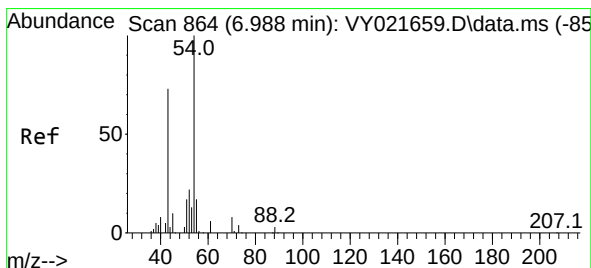
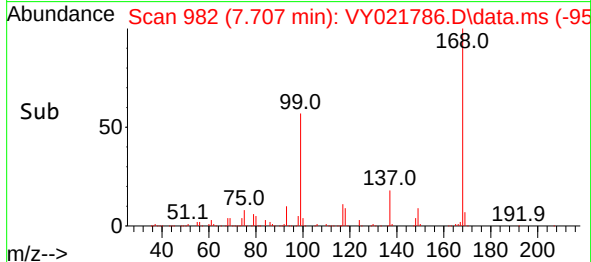
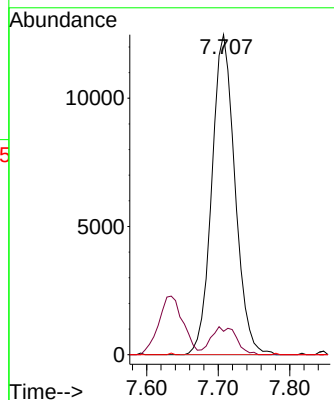
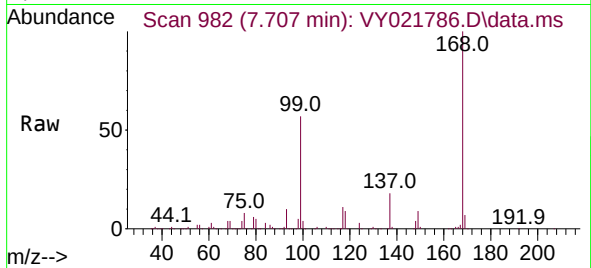




#36
1,1-Dichloropropene
Concen: 4.287 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

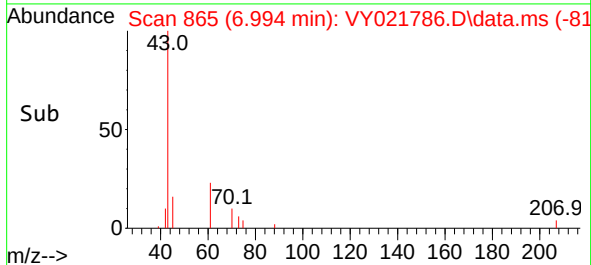
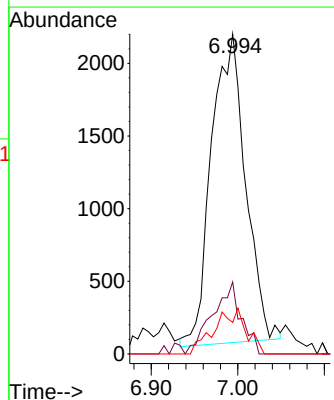
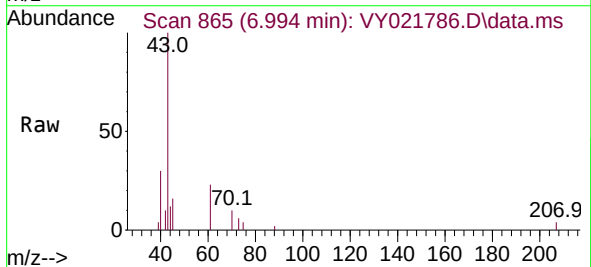
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

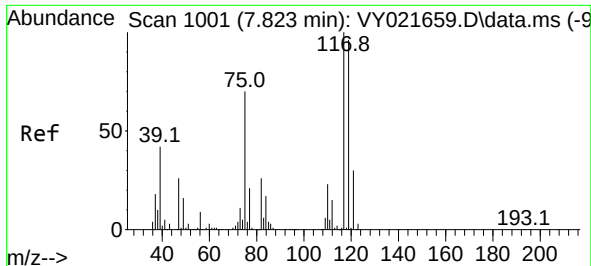
Tgt Ion:	75	Resp:	28075
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.8	37.2#



#37
Ethyl Acetate
Concen: 1.881 ug/l
RT: 6.994 min Scan# 865
Delta R.T. 0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion:	43	Resp:	5812
Ion	Ratio	Lower	Upper
43	100		
61	19.5	11.0	16.6#
70	13.8	8.1	12.1#

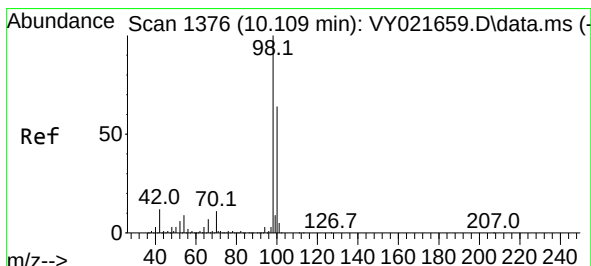
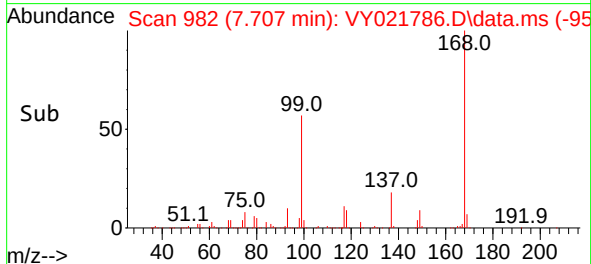
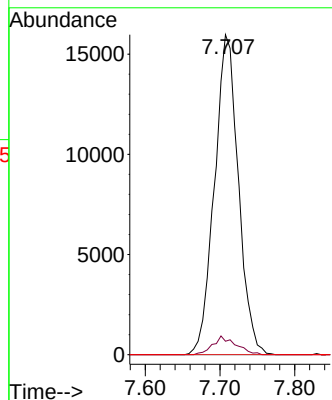
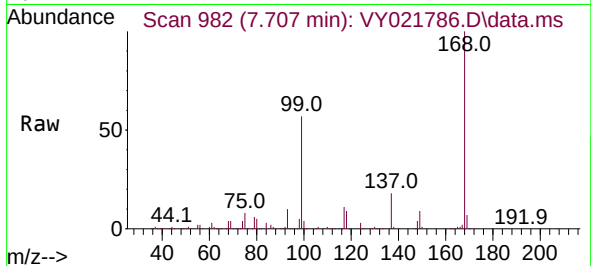




#38
Carbon Tetrachloride
Concen: 4.743 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

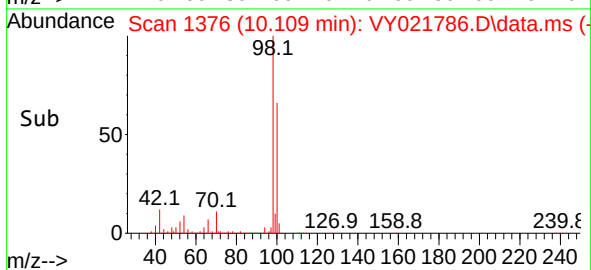
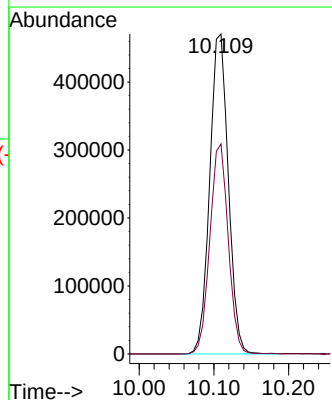
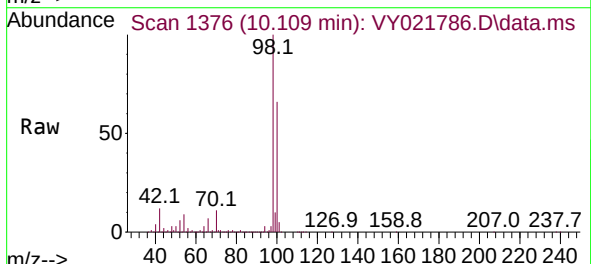
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

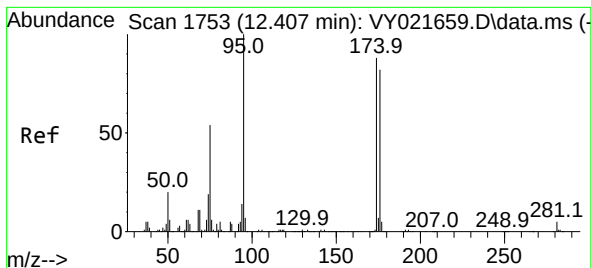
Tgt Ion:117 Resp: 35570
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.735 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 98 Resp: 813418
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

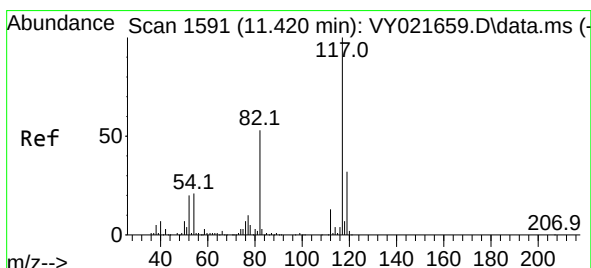
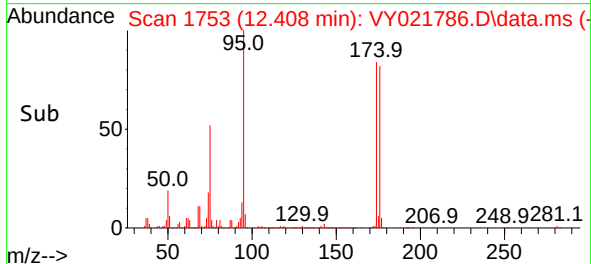
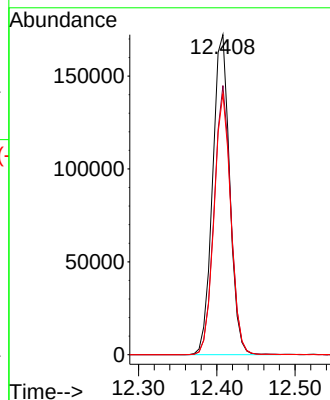
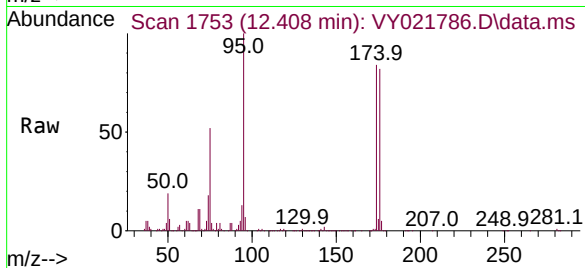




#62
4-Bromofluorobenzene
Concen: 47.136 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

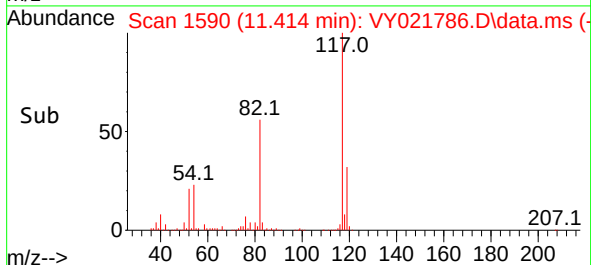
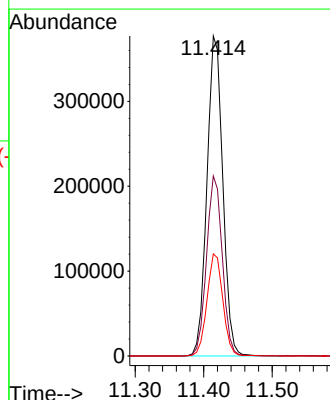
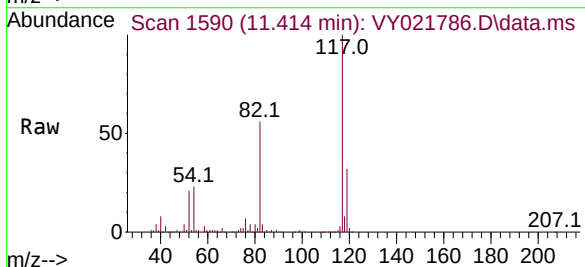
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

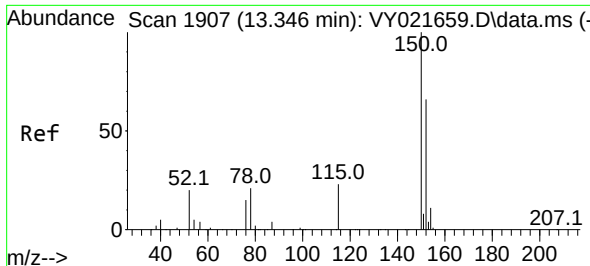
Tgt Ion: 95 Resp: 260762
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 80.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 117 Resp: 606680
Ion Ratio Lower Upper
117 100
82 56.3 42.8 64.2
119 31.9 25.7 38.5

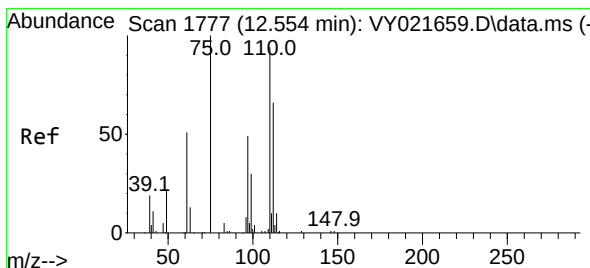
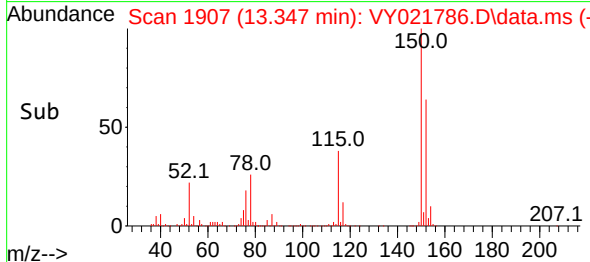
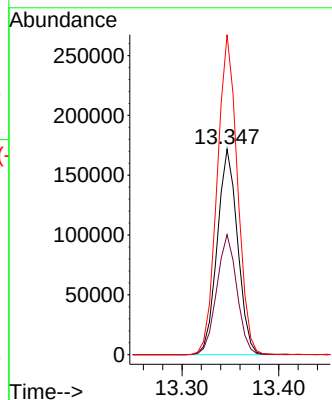
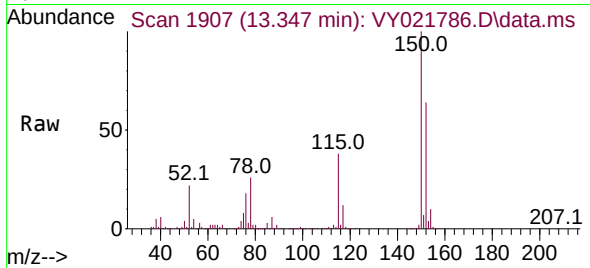




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021786.D
 Acq: 04 Apr 2025 15:24

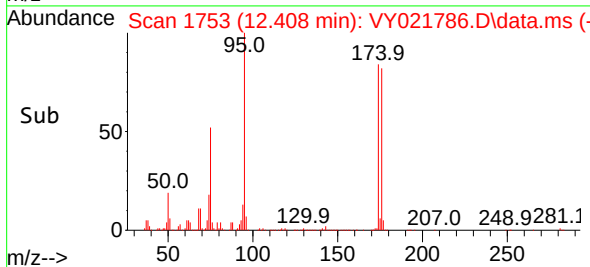
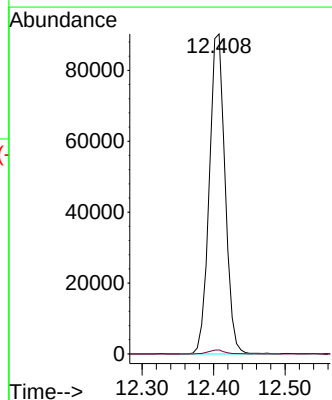
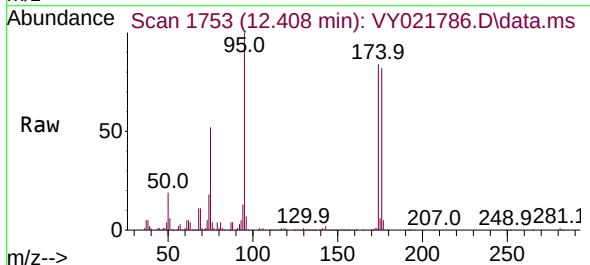
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-23-040325

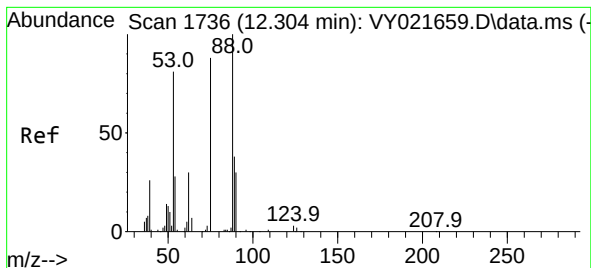
Tgt Ion:152 Resp: 250886
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.8 86.5
 150 155.0 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.527 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021786.D
 Acq: 04 Apr 2025 15:24

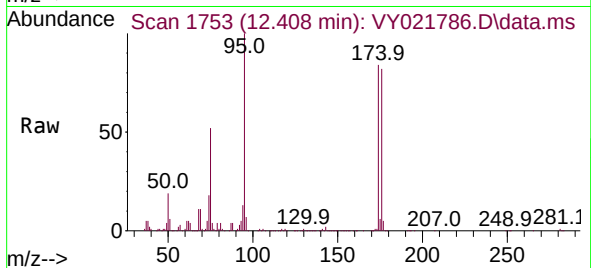
Tgt Ion: 75 Resp: 138091
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



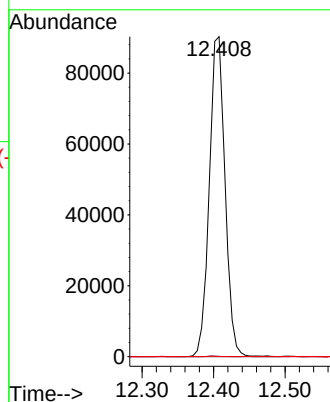
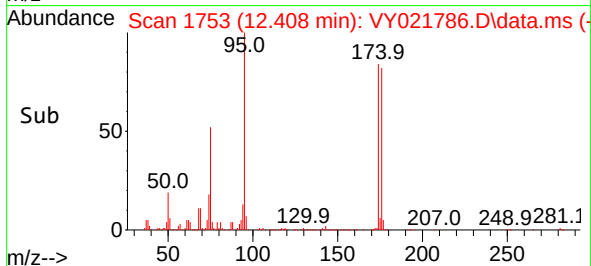


#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.943 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021786.D
 Acq: 04 Apr 2025 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-23-040325



Tgt Ion: 75 Resp: 138091
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021792.D
 Acq On : 04 Apr 2025 17:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	174293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	268405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141740	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93081	49.291	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.580%
35) Dibromofluoromethane	7.634	113	89783	51.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.140%
50) Toluene-d8	10.103	98	328405	49.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.408	95	121039	54.025	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.040%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	62640	34.675	ug/l	99
3) Chloromethane	2.068	50	96339	37.926	ug/l	100
4) Vinyl Chloride	2.202	62	116025	40.388	ug/l	97
5) Bromomethane	2.592	94	80538	41.105	ug/l	100
6) Chloroethane	2.733	64	82750	44.021	ug/l	96
7) Trichlorofluoromethane	3.056	101	168626	45.822	ug/l	98
8) Diethyl Ether	3.452	74	47435	47.399	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	96948	49.950	ug/l	99
10) Methyl Iodide	4.001	142	97802	45.932	ug/l	100
11) Tert butyl alcohol	4.866	59	29874	243.556	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	83387	45.612	ug/l	95
13) Acrolein	3.647	56	1776	7.930	ug/l	94
14) Allyl chloride	4.385	41	138265	47.435	ug/l	99
15) Acrylonitrile	5.061	53	111919	267.842	ug/l	100
16) Acetone	3.873	43	83270	215.455	ug/l	99
17) Carbon Disulfide	4.104	76	228452	37.940	ug/l	100
18) Methyl Acetate	4.385	43	73615	76.853	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	231989	50.970	ug/l	100
20) Methylene Chloride	4.616	84	100684	53.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	95054	47.223	ug/l	97
22) Diisopropyl ether	6.019	45	321680	52.609	ug/l	99
23) Vinyl Acetate	5.958	43	852883	238.431	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183690	50.240	ug/l	99
25) 2-Butanone	6.896	43	139355	252.446	ug/l	99
26) 2,2-Dichloropropane	6.884	77	150953	46.414	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	113782	50.266	ug/l	99
28) Bromochloromethane	7.244	49	76527	49.629	ug/l	99
29) Tetrahydrofuran	7.262	42	94257	265.308	ug/l	100
30) Chloroform	7.421	83	195921	51.519	ug/l	96
31) Cyclohexane	7.701	56	150188	45.062	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	174309	50.714	ug/l	100
36) 1,1-Dichloropropene	7.835	75	132692	50.035	ug/l	99
37) Ethyl Acetate	6.988	43	64748	51.733	ug/l	99
38) Carbon Tetrachloride	7.817	117	155663	51.249	ug/l	99
39) Methylcyclohexane	9.109	83	161325	50.922	ug/l	99
40) Benzene	8.079	78	405446	51.051	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021792.D
 Acq On : 04 Apr 2025 17:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	34626	52.095	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	115981	51.801	ug/l	100
43) Isopropyl Acetate	8.195	43	124209	52.369	ug/l	99
44) Trichloroethene	8.866	130	105036	51.907	ug/l	99
45) 1,2-Dichloropropane	9.140	63	100494	53.457	ug/l	98
46) Dibromomethane	9.231	93	57879	53.422	ug/l	96
47) Bromodichloromethane	9.420	83	151198	53.857	ug/l	98
48) Methyl methacrylate	9.219	41	59783	54.919	ug/l	99
49) 1,4-Dioxane	9.231	88	12102	1042.700	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	352592	285.663	ug/l	99
52) Toluene	10.170	92	260277	52.527	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	131936	52.910	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	152131	51.714	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	78322	56.175	ug/l	96
56) Ethyl methacrylate	10.439	69	101856	57.212	ug/l	99
57) 1,3-Dichloropropane	10.719	76	130252	54.092	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	256125	294.907	ug/l	99
59) 2-Hexanone	10.762	43	237017	288.335	ug/l	99
60) Dibromochloromethane	10.914	129	107386	56.412	ug/l	99
61) 1,2-Dibromoethane	11.012	107	71249	54.475	ug/l	100
64) Tetrachloroethene	10.646	164	115433	51.070	ug/l	98
65) Chlorobenzene	11.438	112	288107	50.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	105444	52.241	ug/l	99
67) Ethyl Benzene	11.518	91	504722	51.739	ug/l	100
68) m/p-Xylenes	11.627	106	385465	103.189	ug/l	100
69) o-Xylene	11.957	106	181127	52.528	ug/l	99
70) Styrene	11.969	104	310624	54.028	ug/l	99
71) Bromoform	12.133	173	62495	54.280	ug/l #	100
73) Isopropylbenzene	12.255	105	490199	46.563	ug/l	100
74) N-amyl acetate	12.072	43	110051	44.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86820	45.870	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	117171	83.395	ug/l #	100
77) Bromobenzene	12.530	156	115240	45.591	ug/l	99
78) n-propylbenzene	12.597	91	601889	47.555	ug/l	100
79) 2-Chlorotoluene	12.682	91	337495	45.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	405133	47.086	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	26232	43.020	ug/l	90
82) 4-Chlorotoluene	12.780	91	353167	46.082	ug/l	99
83) tert-Butylbenzene	12.999	119	368560	48.092	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	407964	47.974	ug/l	99
85) sec-Butylbenzene	13.176	105	545612	48.717	ug/l	100
86) p-Isopropyltoluene	13.292	119	453488	48.991	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	233593	46.907	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	229501	46.644	ug/l	99
89) n-Butylbenzene	13.615	91	419749	49.033	ug/l	99
90) Hexachloroethane	13.877	117	95647	47.153	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	205263	47.349	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14291	48.715	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	117675	50.055	ug/l	99
94) Hexachlorobutadiene	15.023	225	74539	50.768	ug/l	97
95) Naphthalene	15.145	128	211567	54.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	103426	51.591	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

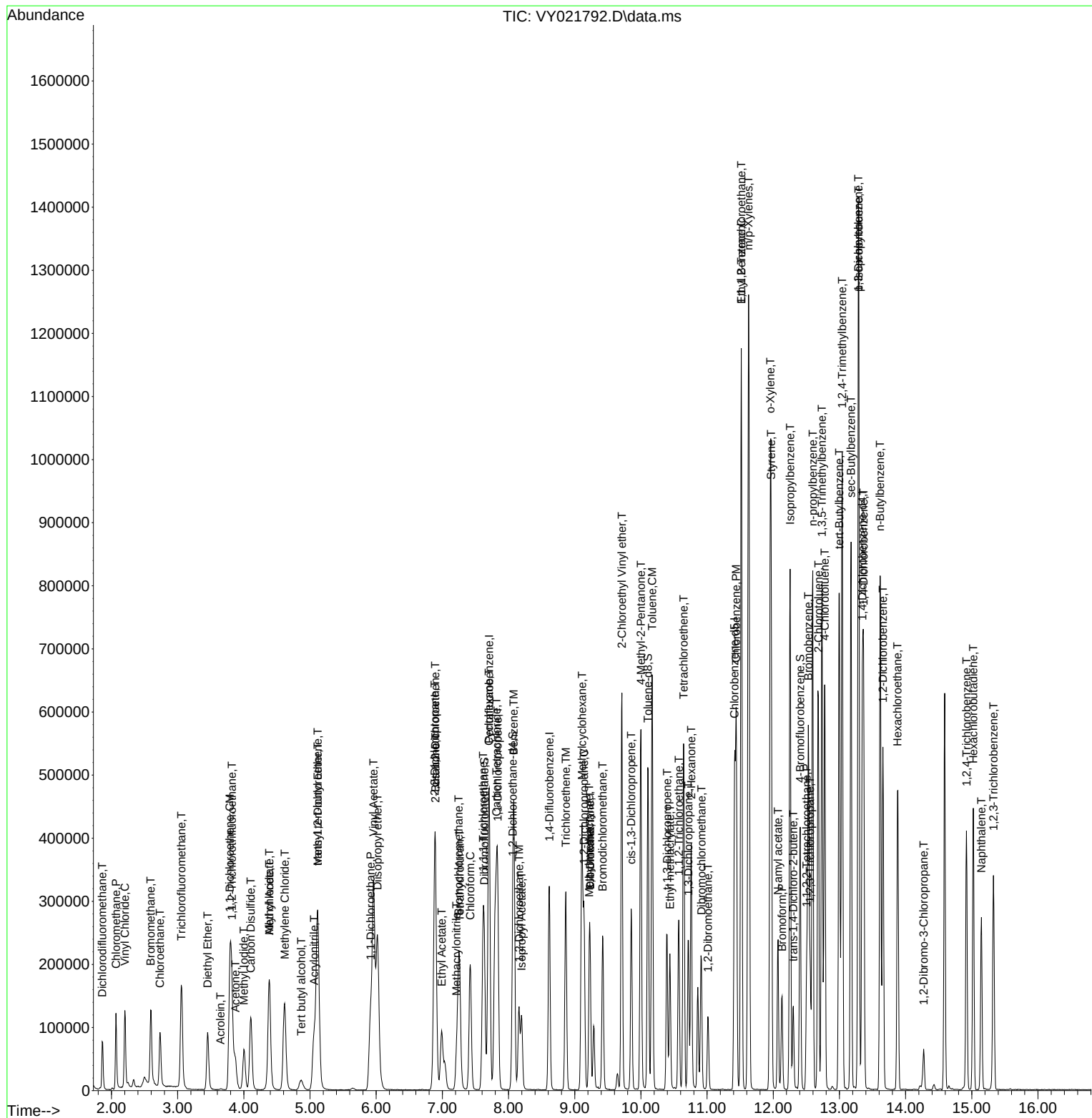
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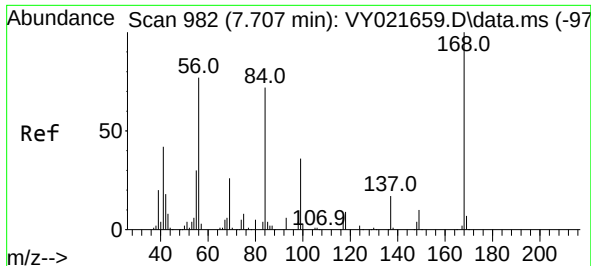
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

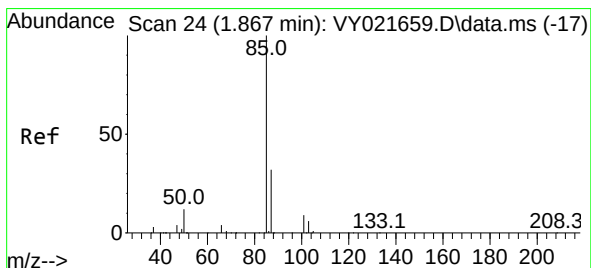
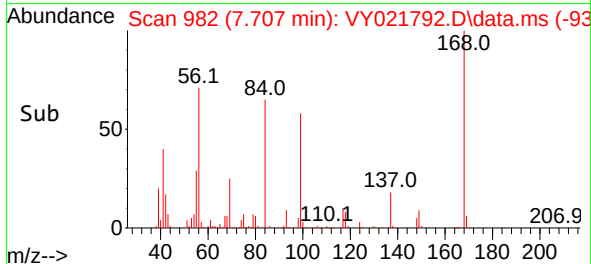
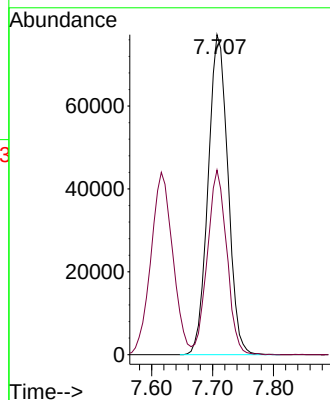
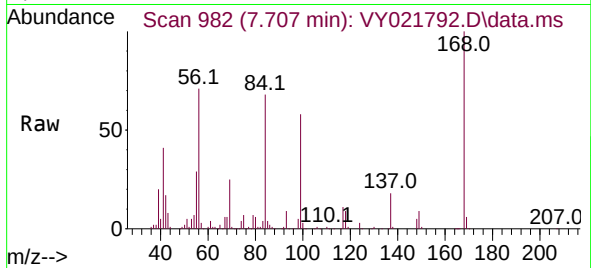




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

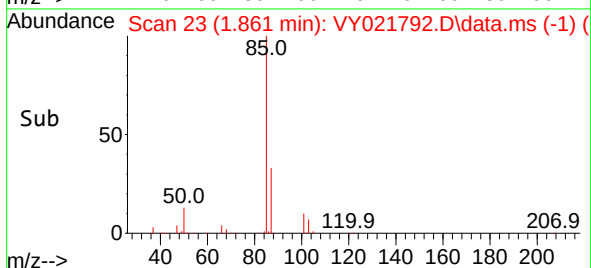
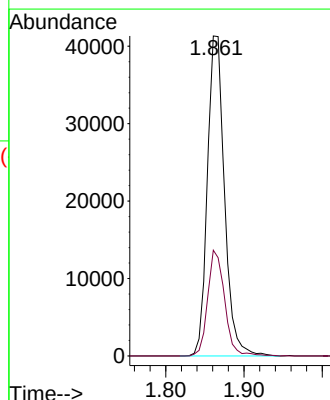
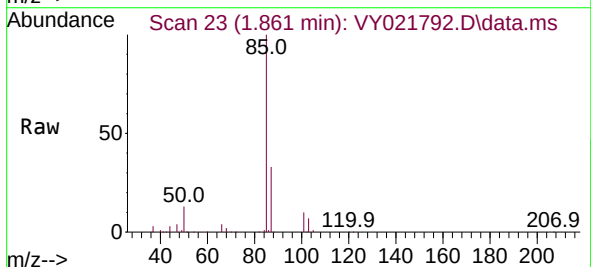
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

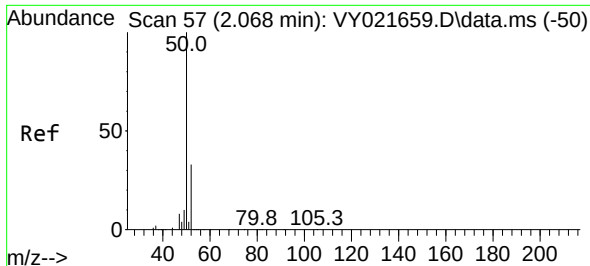
Tgt Ion:168 Resp: 174293
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 34.675 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 85 Resp: 62640
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

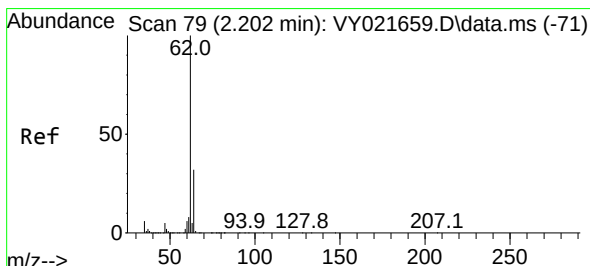
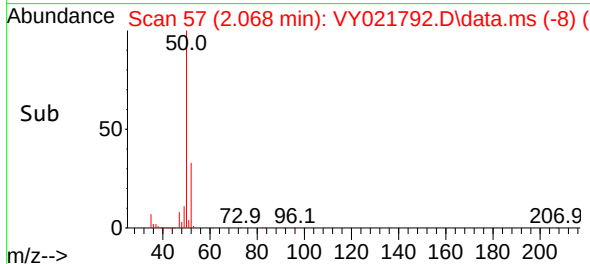
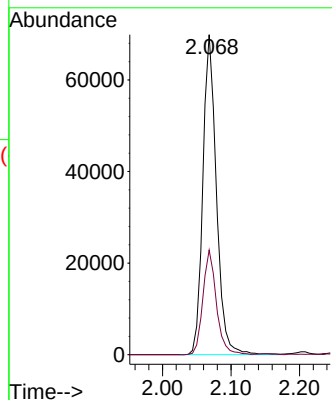
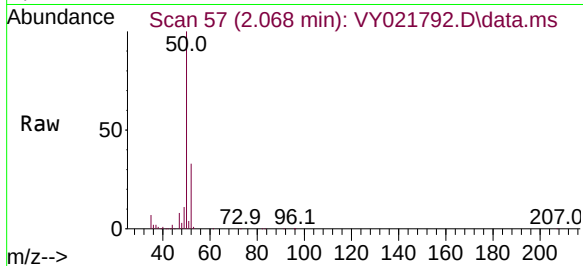




#3
Chloromethane
Concen: 37.926 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

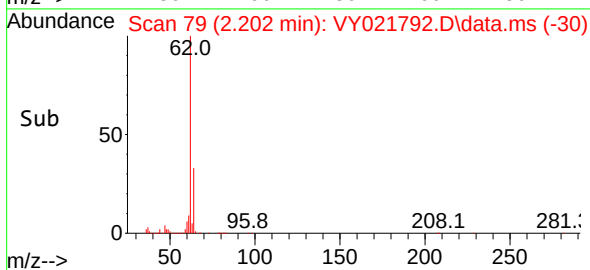
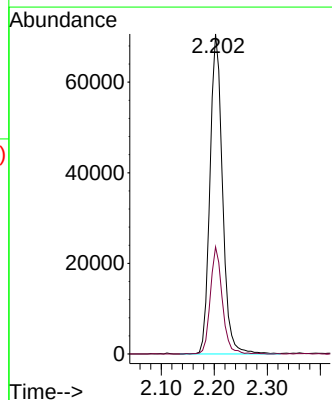
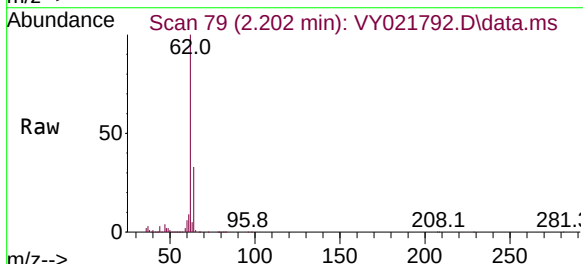
Instrument :
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ClientSampleId :
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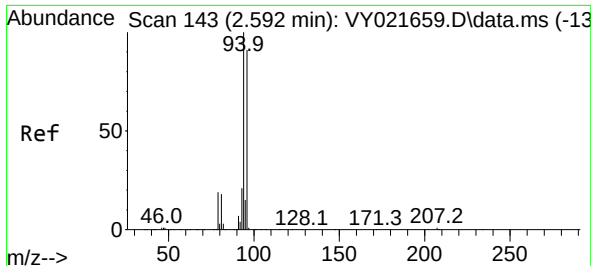
Tgt Ion: 50 Resp: 96339
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5



#4
Vinyl Chloride
Concen: 40.388 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 62 Resp: 116025
Ion Ratio Lower Upper
62 100
64 33.5 25.5 38.3

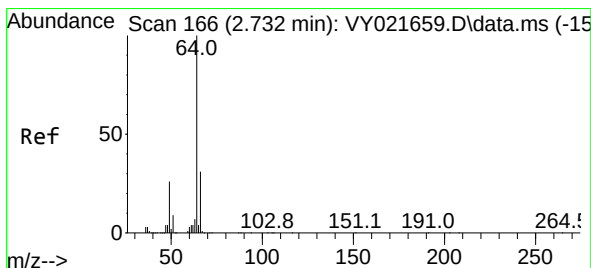
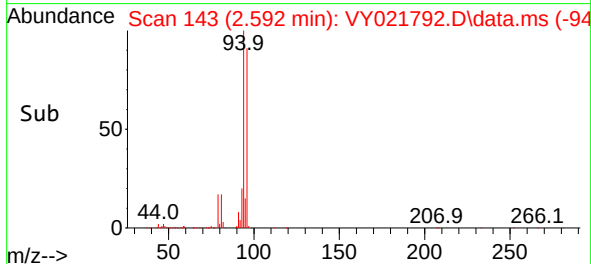
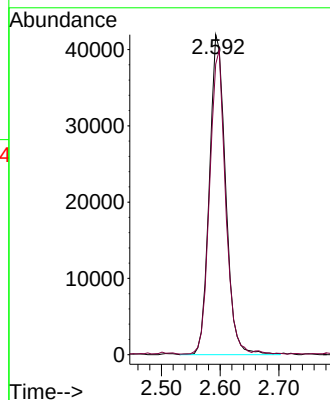
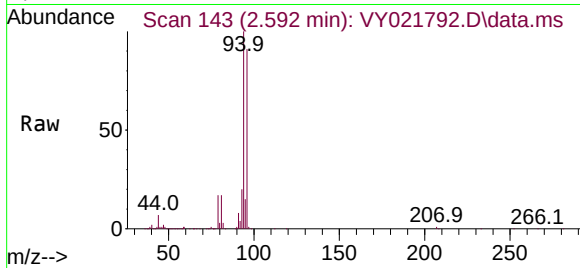




#5
Bromomethane
Concen: 41.105 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

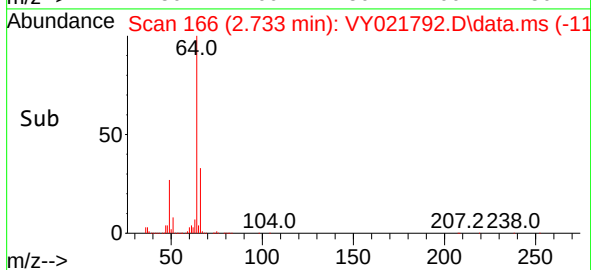
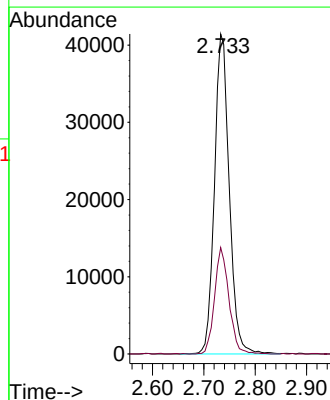
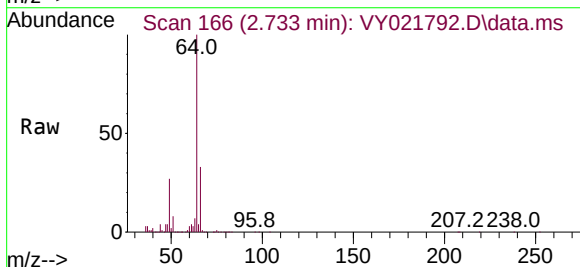
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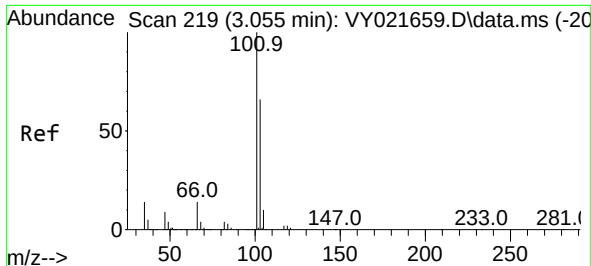
Tgt Ion: 94 Resp: 80538
Ion Ratio Lower Upper
94 100
96 90.6 72.8 109.2



#6
Chloroethane
Concen: 44.021 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 64 Resp: 82750
Ion Ratio Lower Upper
64 100
66 33.2 24.9 37.3

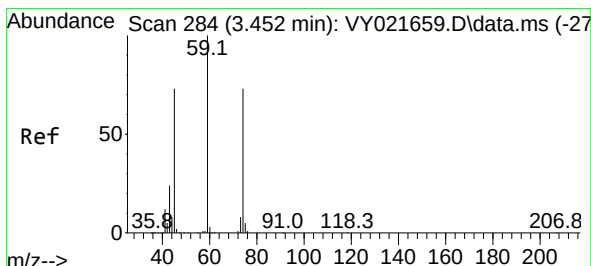
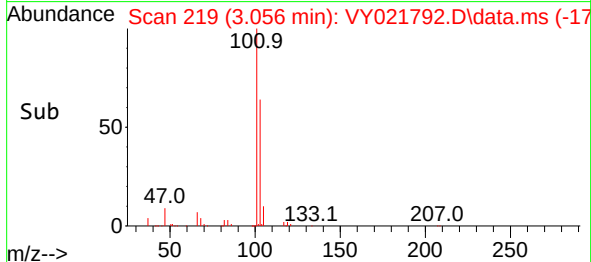
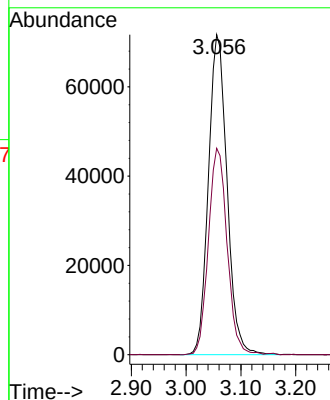
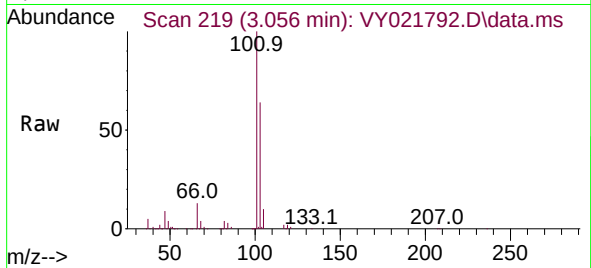




#7
 Trichlorofluoromethane
 Concen: 45.822 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021792.D
 Acq: 04 Apr 2025 17:44

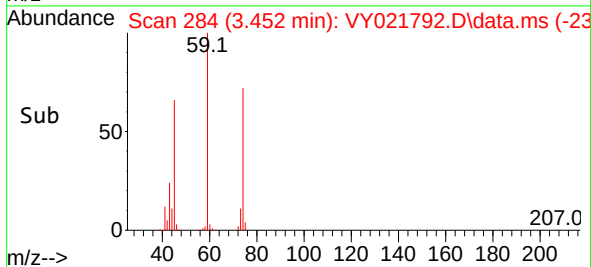
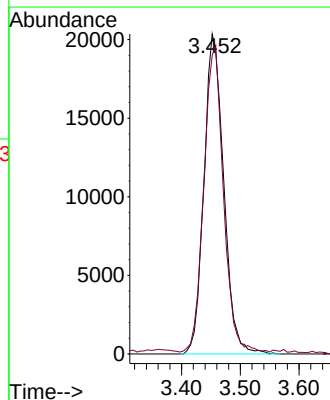
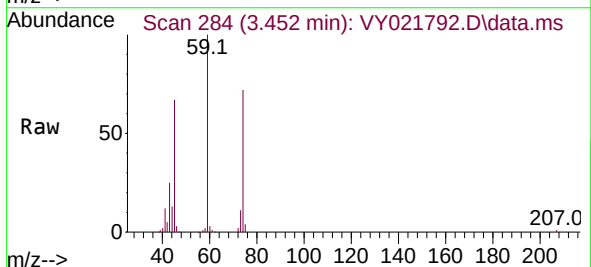
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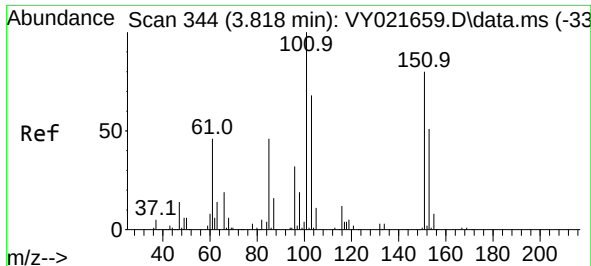
Tgt Ion:101 Resp: 168626
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.1 79.7



#8
 Diethyl Ether
 Concen: 47.399 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021792.D
 Acq: 04 Apr 2025 17:44

Tgt Ion: 74 Resp: 47435
 Ion Ratio Lower Upper
 74 100
 45 95.3 48.6 145.8

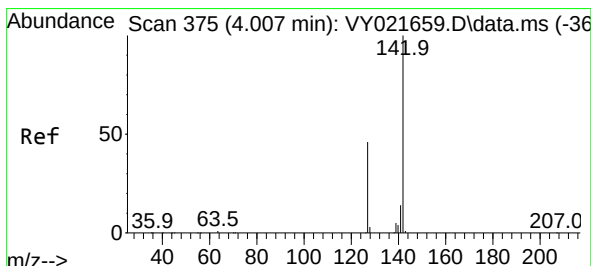
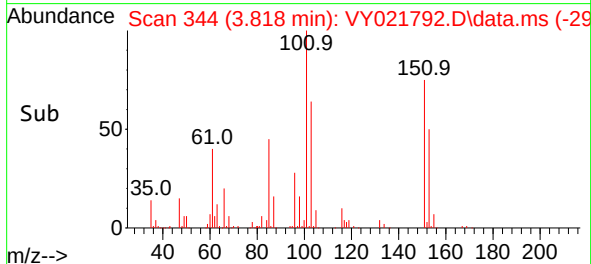
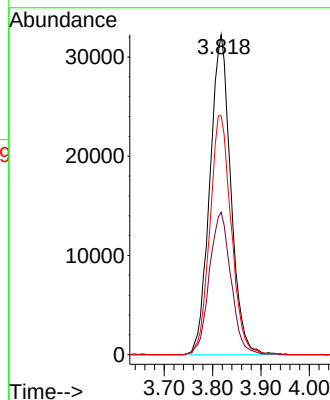
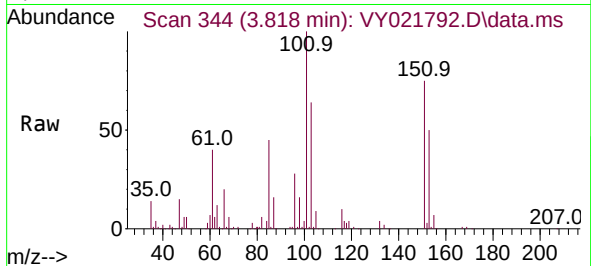




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.950 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

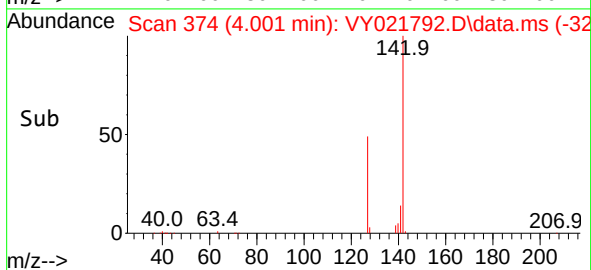
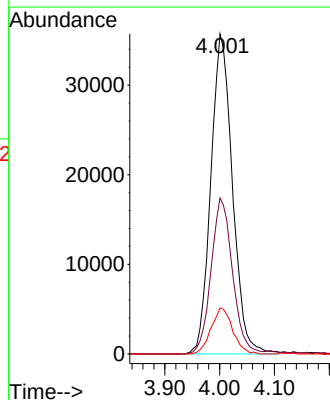
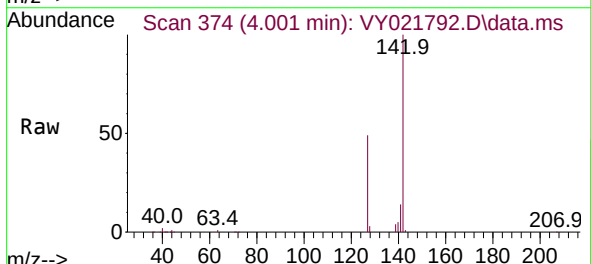
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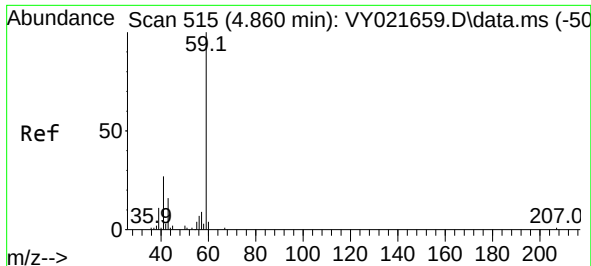
Tgt Ion:101	Resp:	96948
Ion Ratio	Lower	Upper
101	100	
85	46.0	36.3 54.5
151	76.3	61.3 91.9



#10
Methyl Iodide
Concen: 45.932 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:142	Resp:	97802
Ion Ratio	Lower	Upper
142	100	
127	48.2	38.7 58.1
141	14.3	11.5 17.3

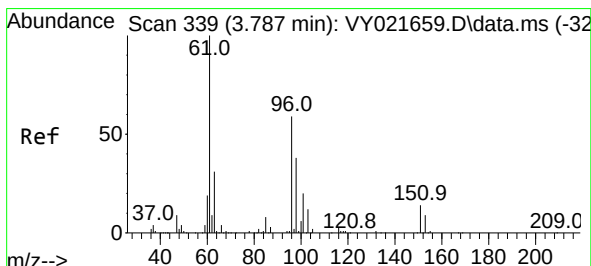
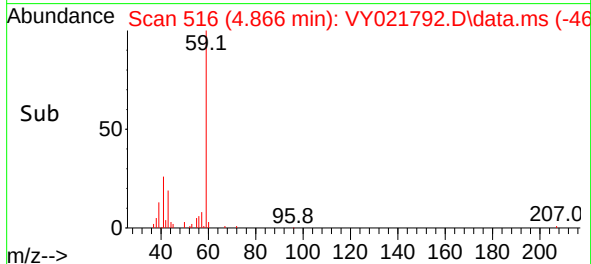
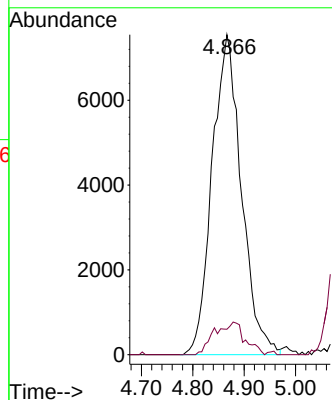
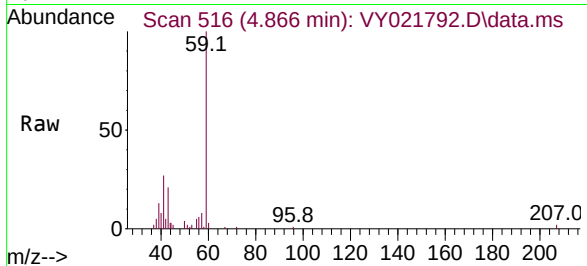




#11
Tert butyl alcohol
Concen: 243.556 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

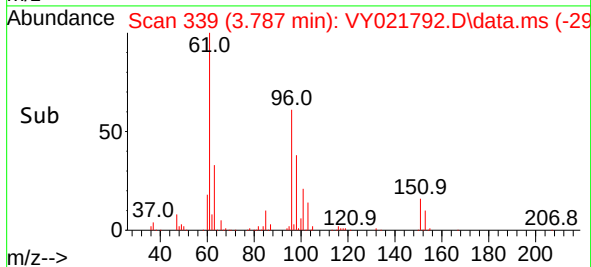
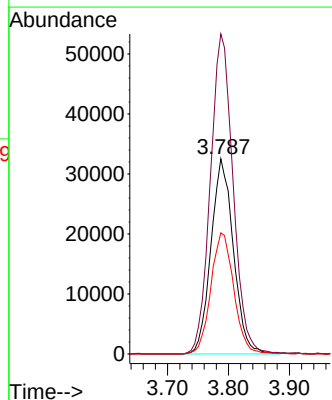
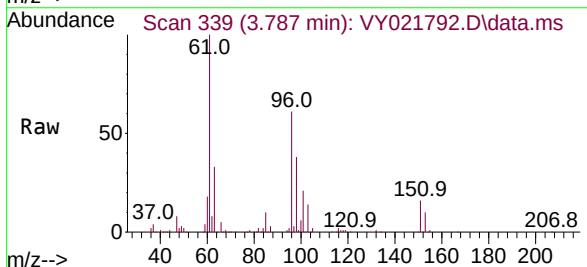
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

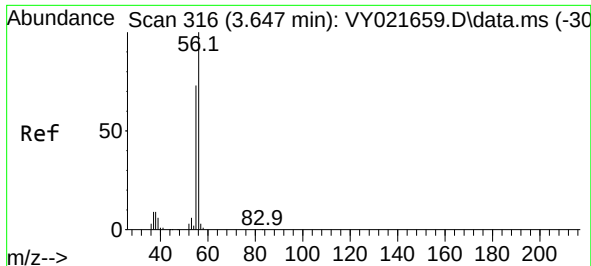
Tgt Ion: 59 Resp: 29874
Ion Ratio Lower Upper
59 100
57 5.5 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 45.612 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 96 Resp: 83387
Ion Ratio Lower Upper
96 100
61 163.9 136.6 204.8
98 62.0 52.3 78.5

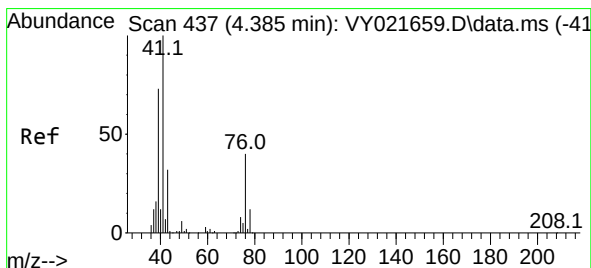
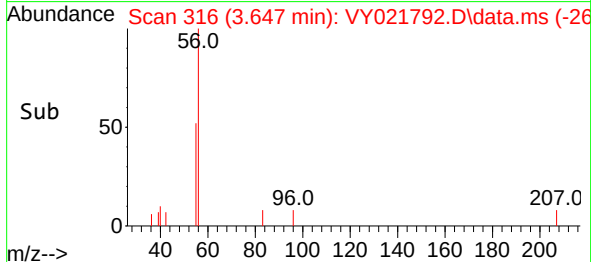
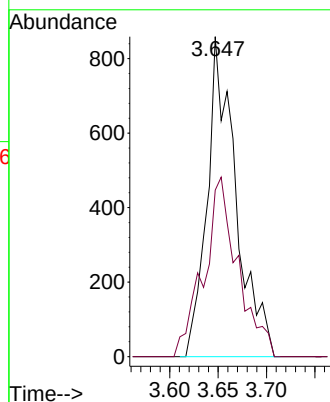
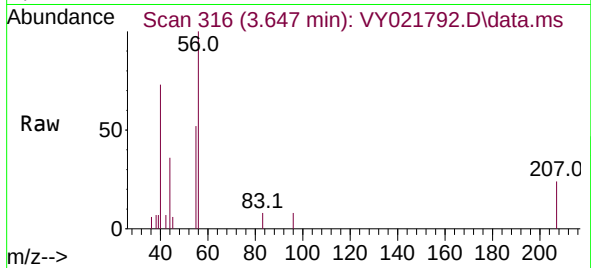




#13
Acrolein
Concen: 7.930 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

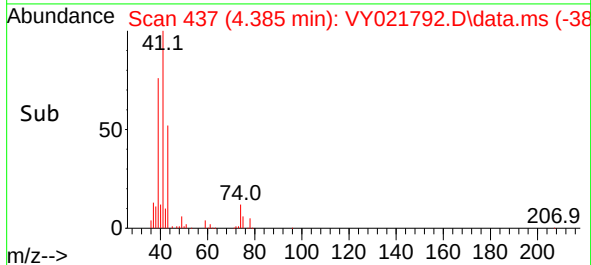
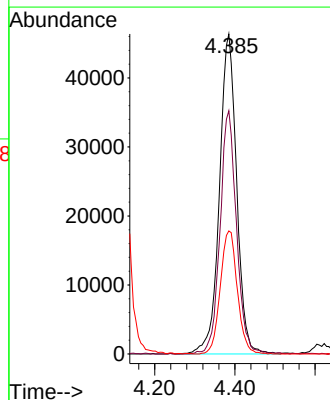
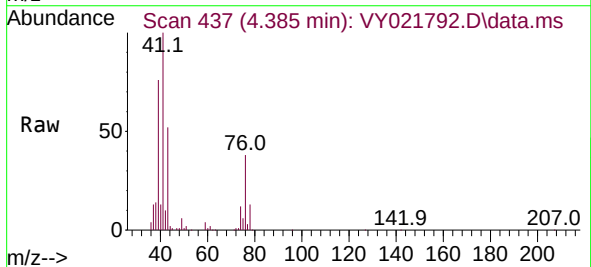
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

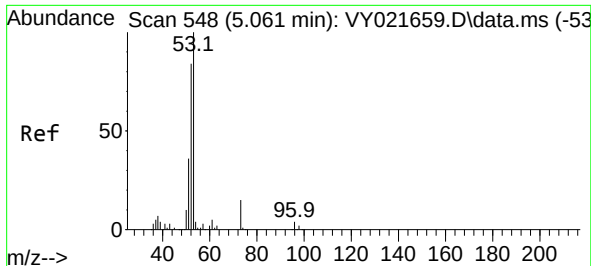
Tgt Ion: 56 Resp: 1776
Ion Ratio Lower Upper
56 100
55 66.2 56.6 85.0



#14
Allyl chloride
Concen: 47.435 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 138265
Ion Ratio Lower Upper
41 100
39 72.6 58.6 88.0
76 38.0 30.3 45.5

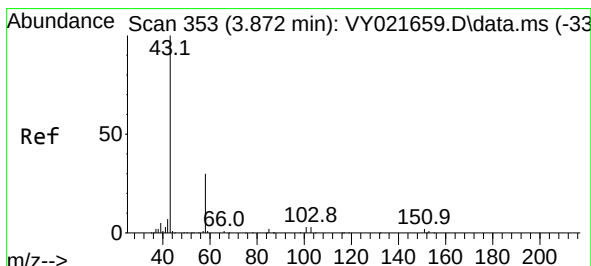
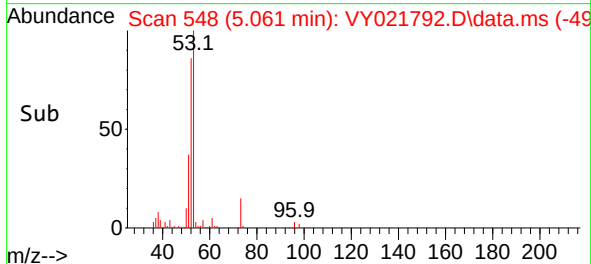
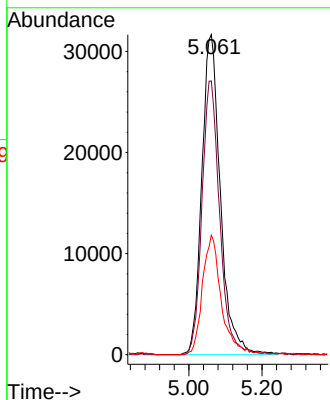
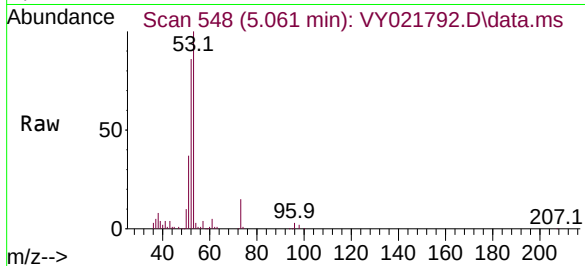




#15
Acrylonitrile
Concen: 267.842 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

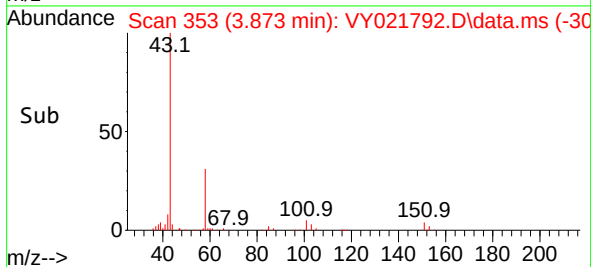
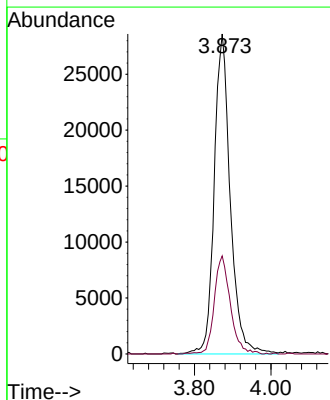
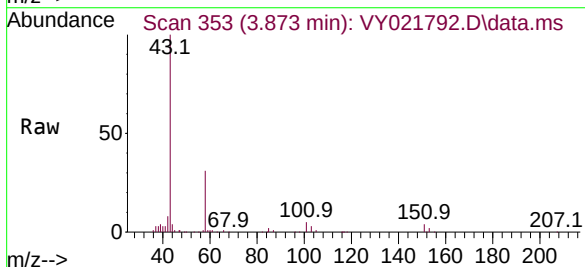
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

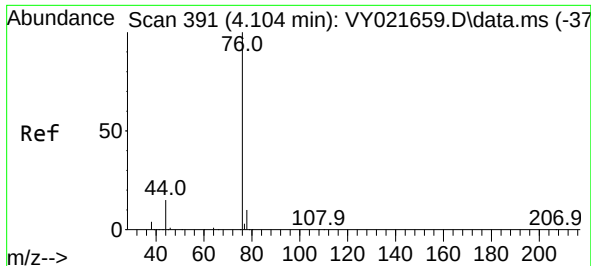
Tgt Ion: 53 Resp: 111919
Ion Ratio Lower Upper
53 100
52 81.4 64.9 97.3
51 38.0 30.2 45.2



#16
Acetone
Concen: 215.455 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 83270
Ion Ratio Lower Upper
43 100
58 30.6 24.2 36.4

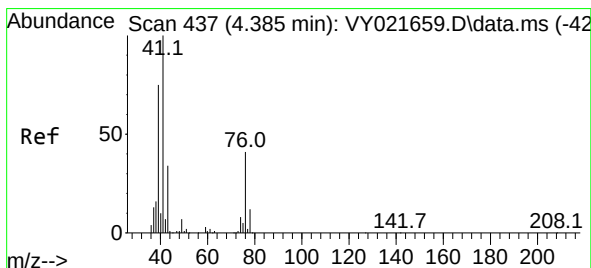
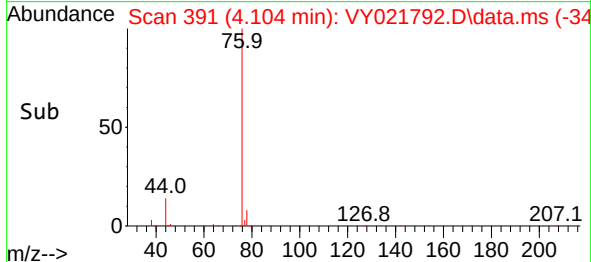
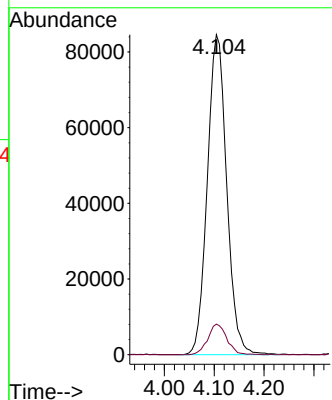
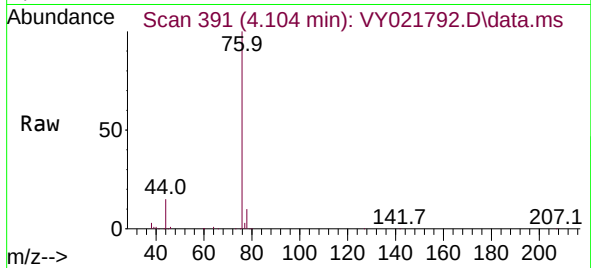




#17
Carbon Disulfide
Concen: 37.940 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

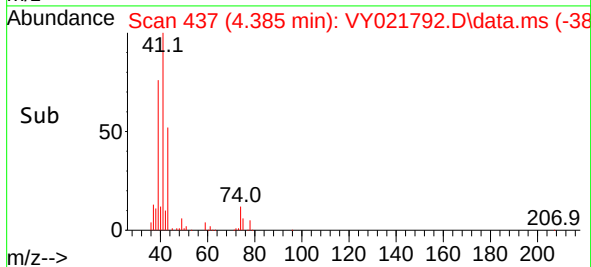
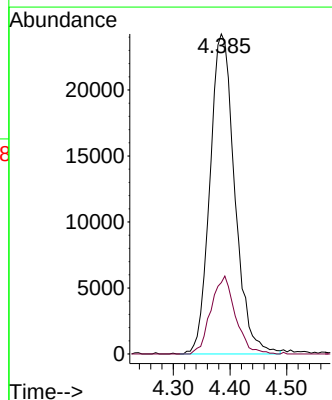
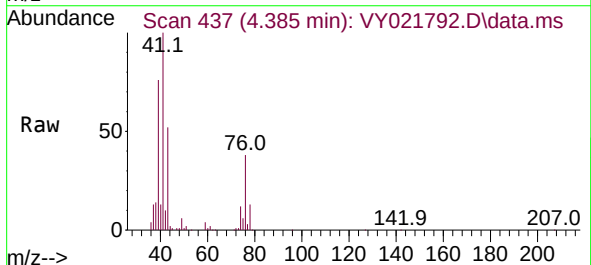
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

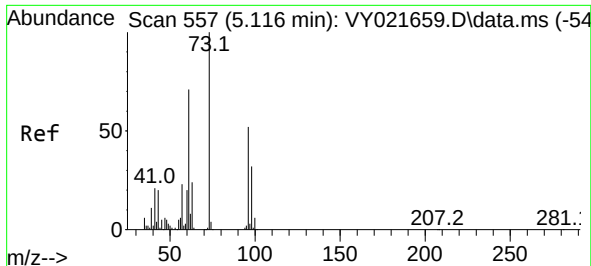
Tgt Ion: 76 Resp: 228452
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4



#18
Methyl Acetate
Concen: 76.853 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 73615
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.970 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

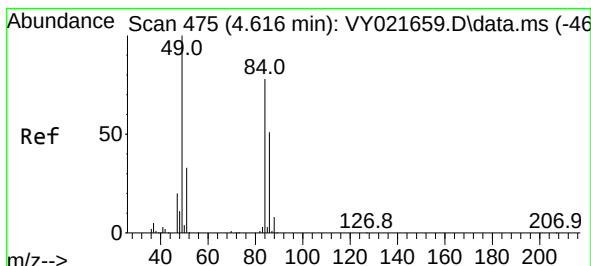
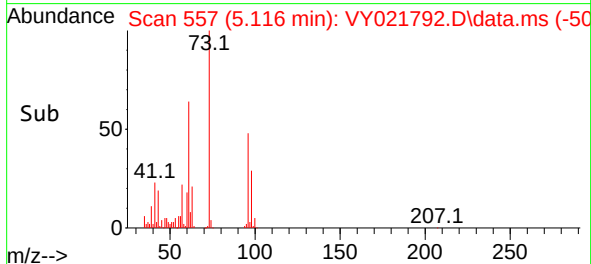
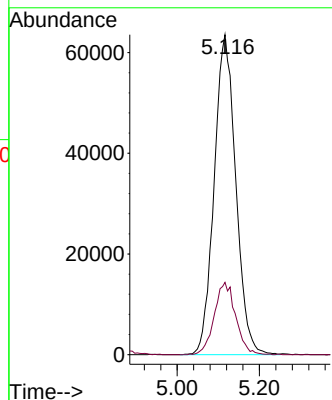
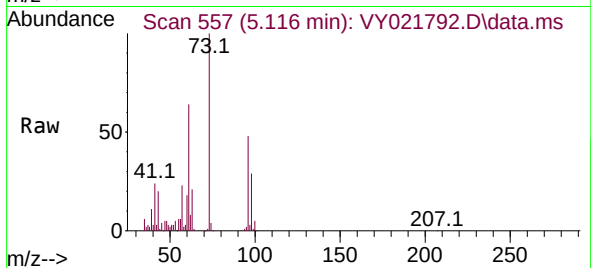
VSTDCCC050EC

Tgt Ion: 73 Resp: 231989

Ion Ratio Lower Upper

73 100

57 22.6 18.1 27.1



#20

Methylene Chloride

Concen: 53.510 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Tgt Ion: 84 Resp: 100684

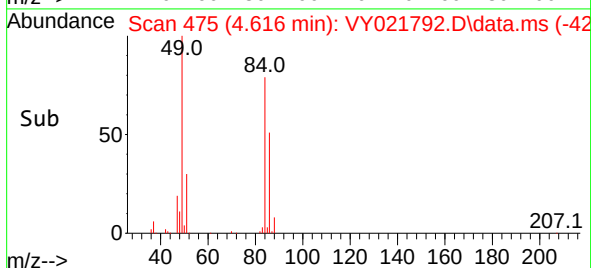
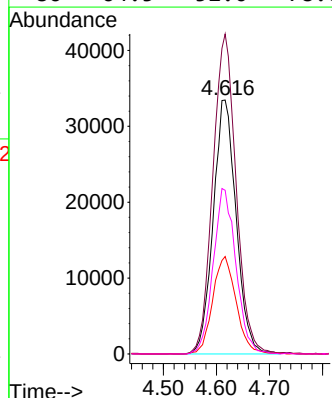
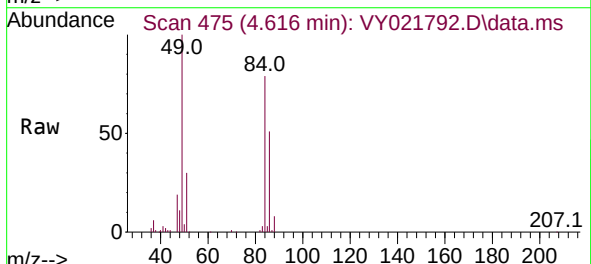
Ion Ratio Lower Upper

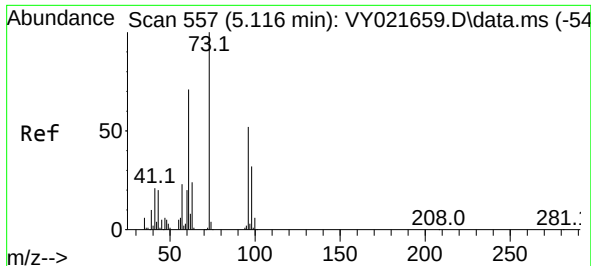
84 100

49 126.0 102.8 154.2

51 38.4 33.5 50.3

86 64.5 52.0 78.0

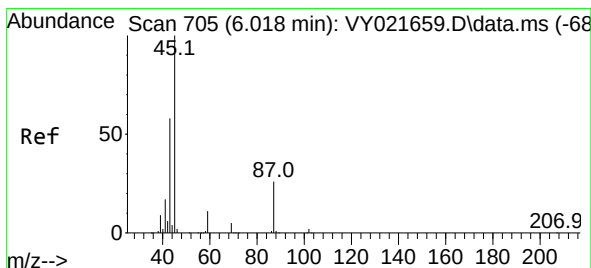
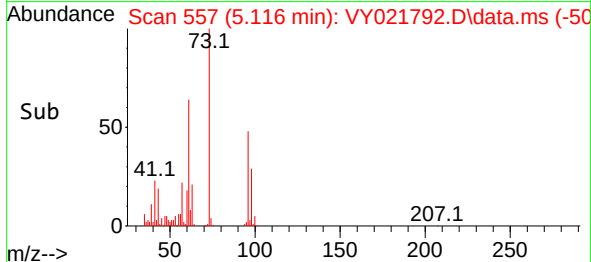
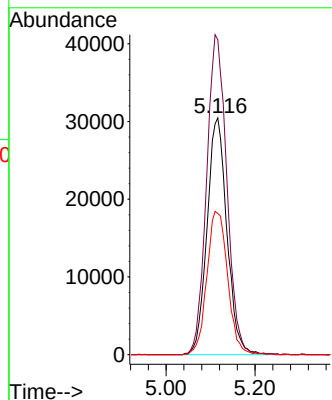
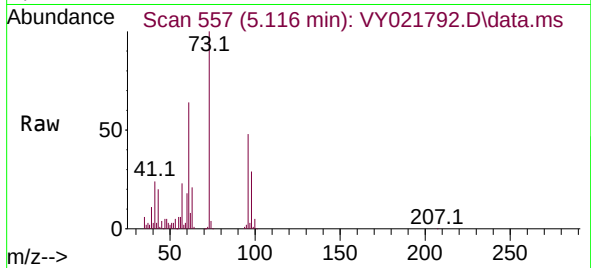




#21
trans-1,2-Dichloroethene
Concen: 47.223 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

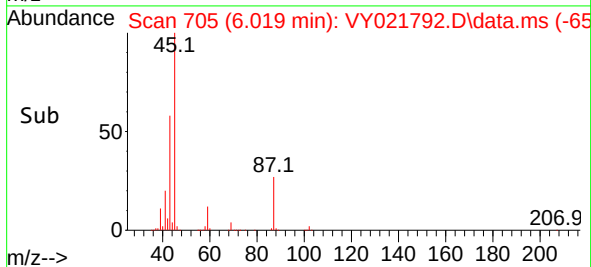
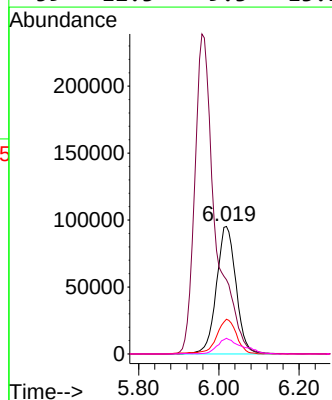
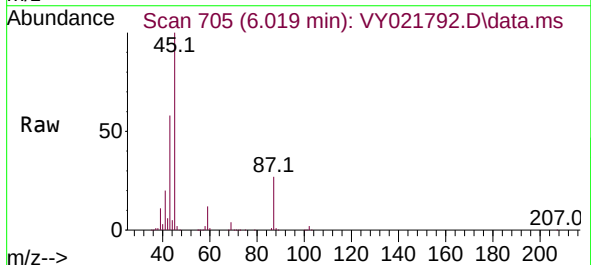
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

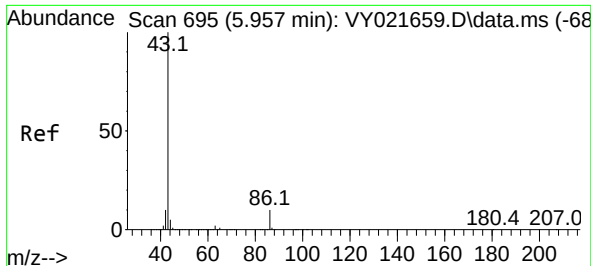
Tgt Ion: 96 Resp: 95054
Ion Ratio Lower Upper
96 100
61 133.1 109.4 164.0
98 59.7 50.2 75.2



#22
Diisopropyl ether
Concen: 52.609 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 45 Resp: 321680
Ion Ratio Lower Upper
45 100
43 57.9 46.6 69.8
87 27.3 20.7 31.1
59 12.3 9.3 13.9

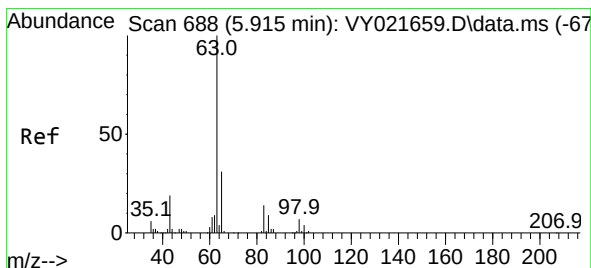
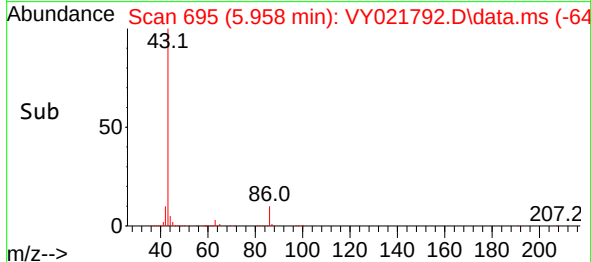
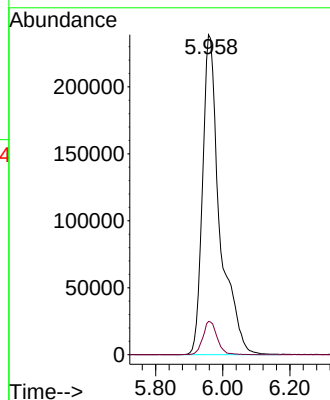
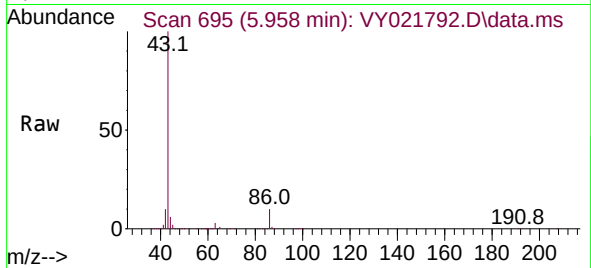




#23
 Vinyl Acetate
 Concen: 238.431 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021792.D
 Acq: 04 Apr 2025 17:44

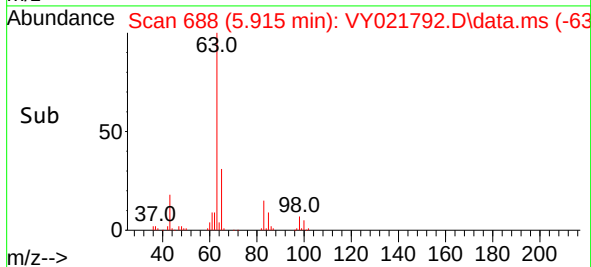
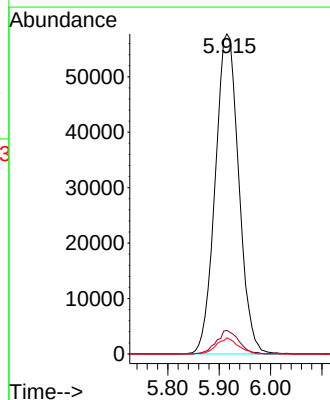
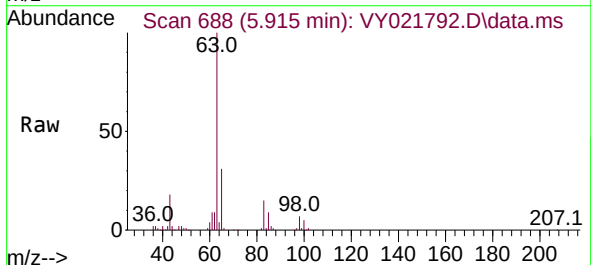
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

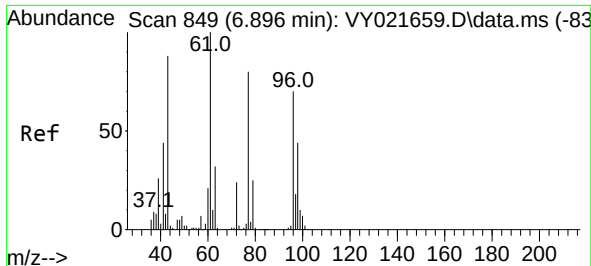
Tgt Ion: 43 Resp: 852883
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 50.240 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021792.D
 Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 183690
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 5.1 2.2 6.6

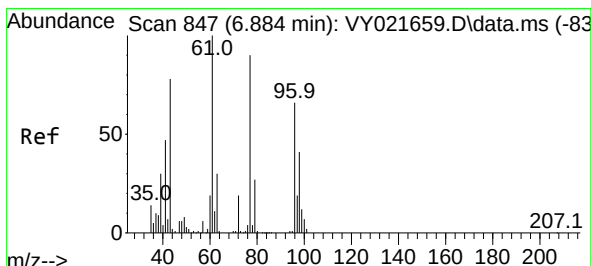
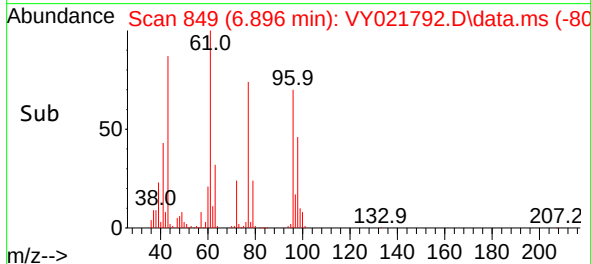
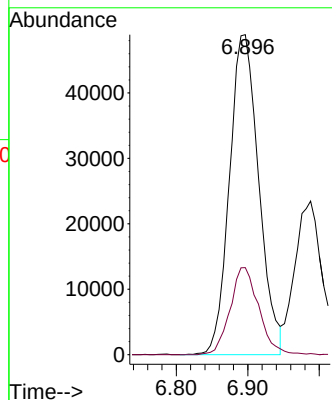
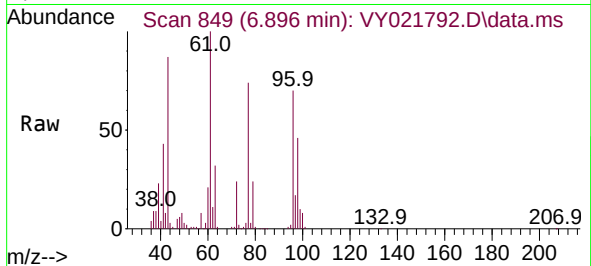




#25
2-Butanone
Concen: 252.446 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

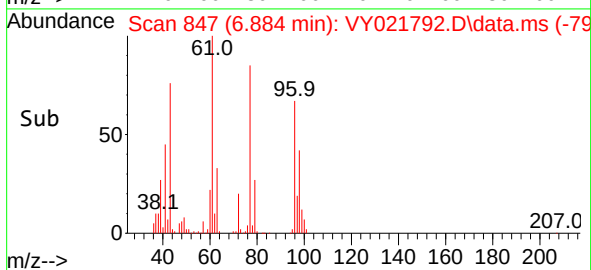
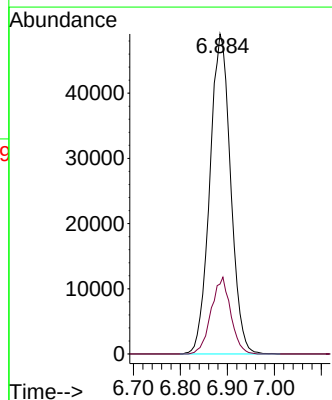
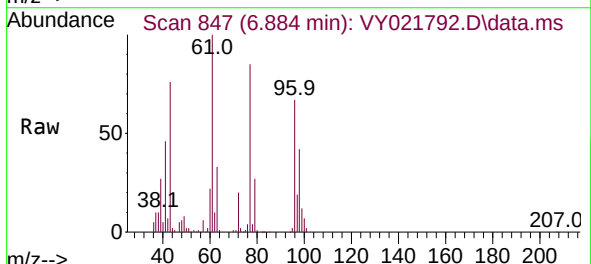
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

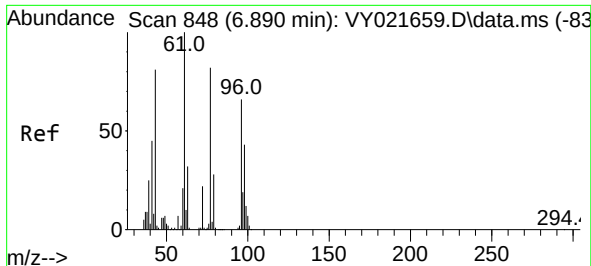
Tgt Ion: 43 Resp: 139355
Ion Ratio Lower Upper
43 100
72 27.2 21.4 32.2



#26
2,2-Dichloropropane
Concen: 46.414 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 77 Resp: 150953
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.266 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

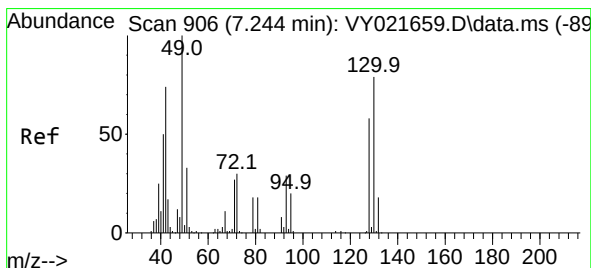
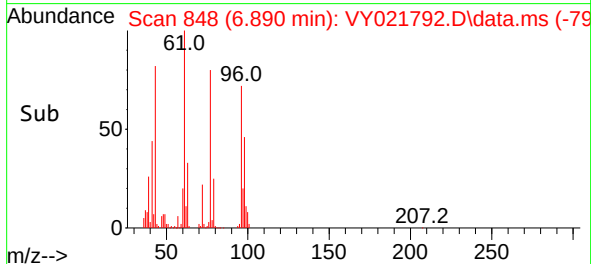
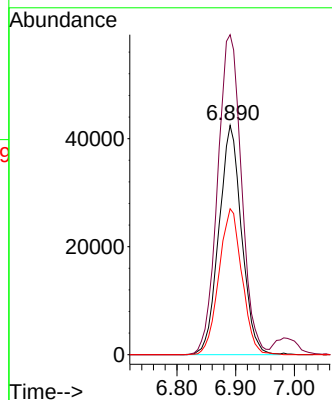
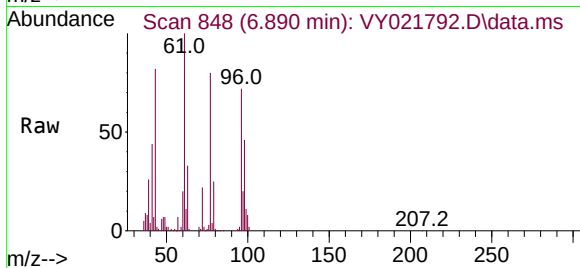
Tgt Ion: 96 Resp: 113782

Ion Ratio Lower Upper

96 100

61 147.2 0.0 296.4

98 64.8 0.0 128.0



#28

Bromochloromethane

Concen: 49.629 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

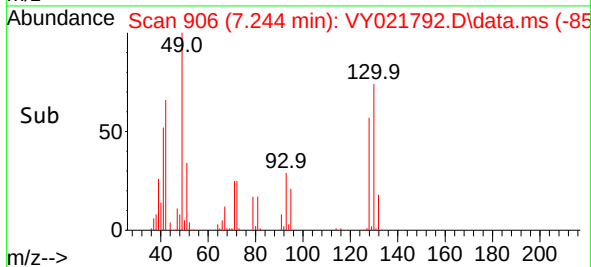
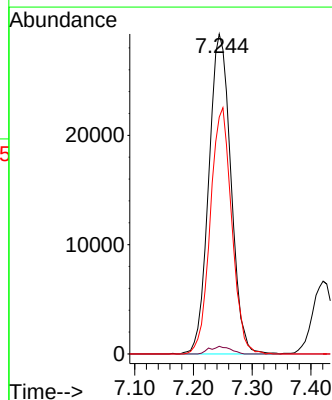
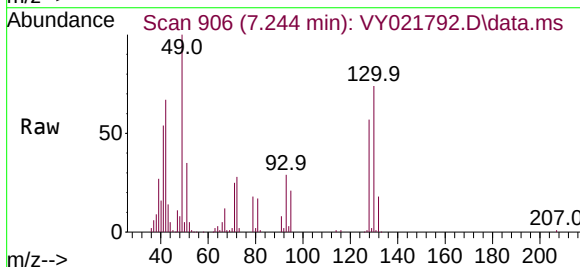
Tgt Ion: 49 Resp: 76527

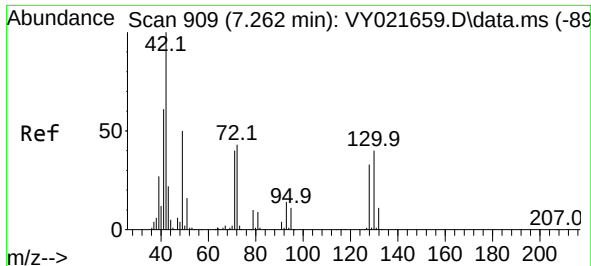
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 74.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 265.308 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

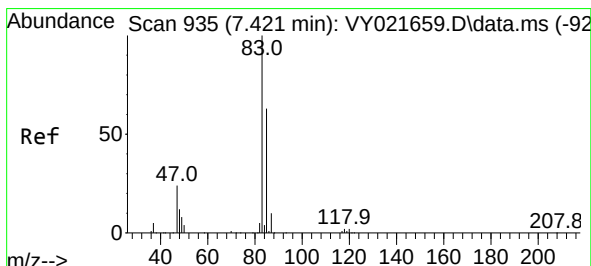
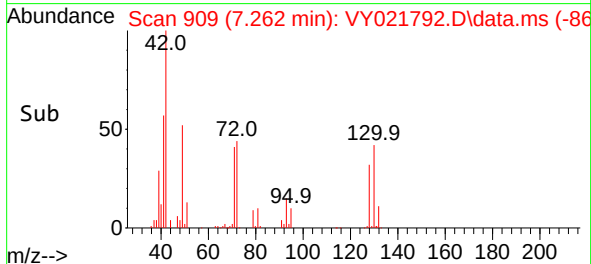
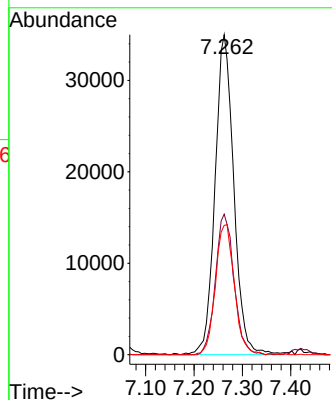
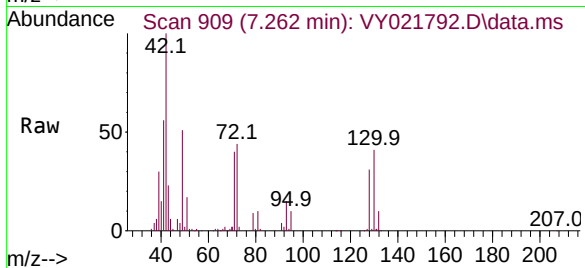
Tgt Ion: 42 Resp: 94257

Ion Ratio Lower Upper

42 100

72 43.4 34.6 52.0

71 40.9 32.5 48.7



#30

Chloroform

Concen: 51.519 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021792.D

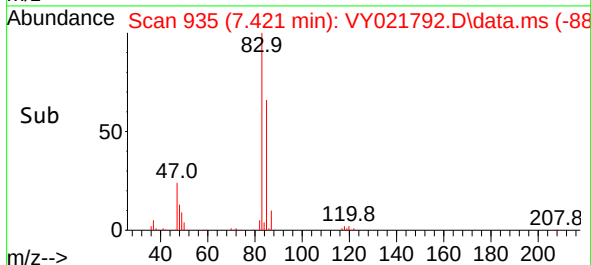
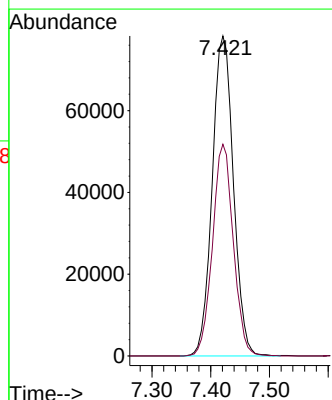
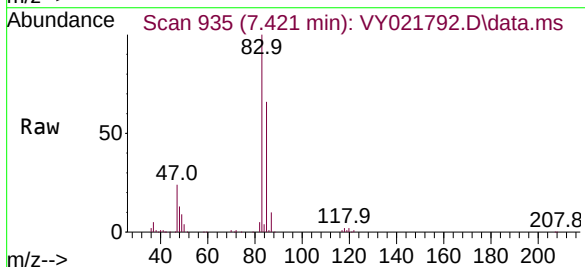
Acq: 04 Apr 2025 17:44

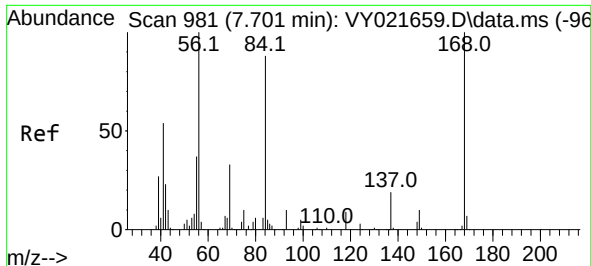
Tgt Ion: 83 Resp: 195921

Ion Ratio Lower Upper

83 100

85 66.1 50.6 75.8

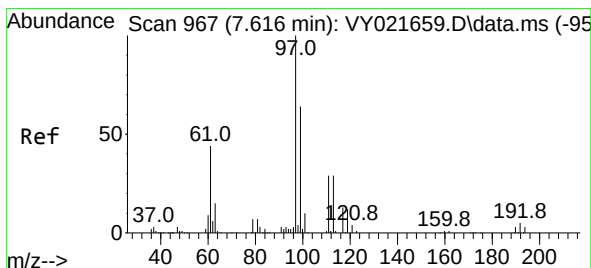
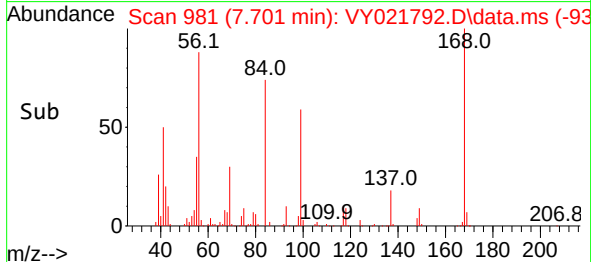
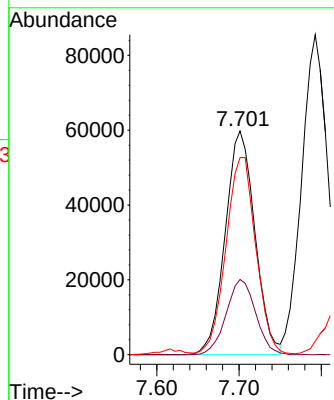
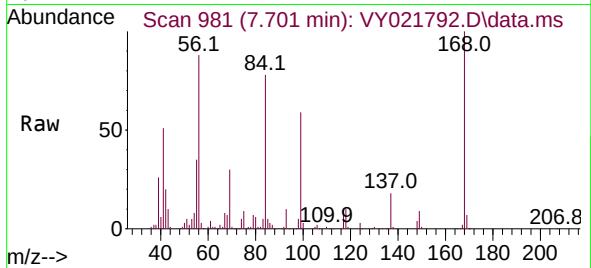




#31
Cyclohexane
Concen: 45.062 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

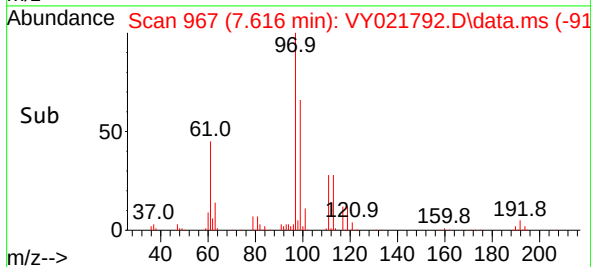
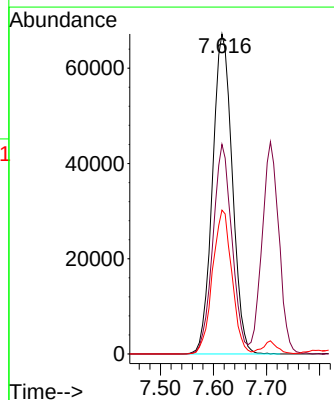
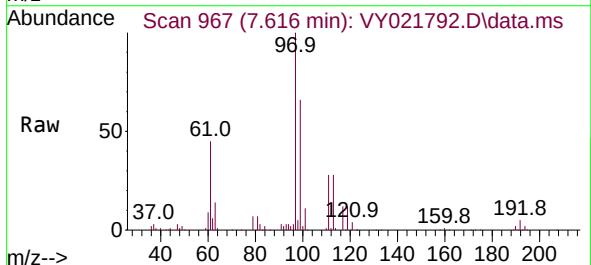
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

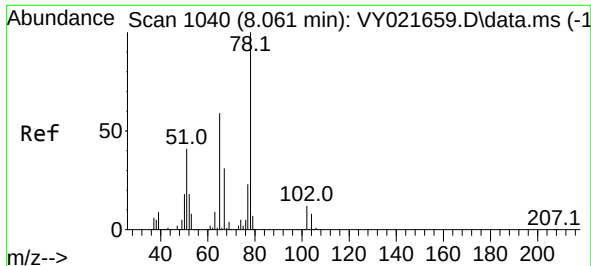
Tgt Ion:	56	Resp:	150188
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.6	40.0
84	86.4	69.0	103.4



#32
1,1,1-Trichloroethane
Concen: 50.714 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:	97	Resp:	174309
Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.7	76.1
61	44.1	35.2	52.8

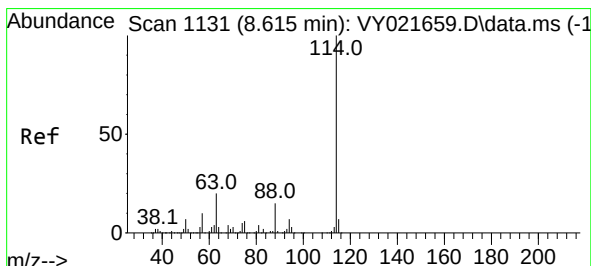
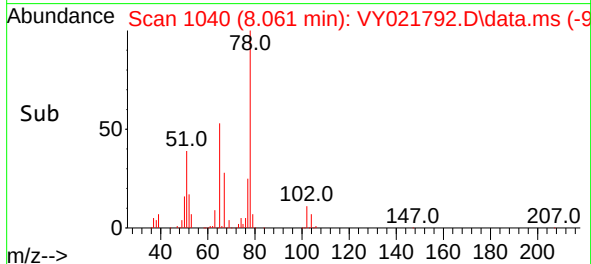
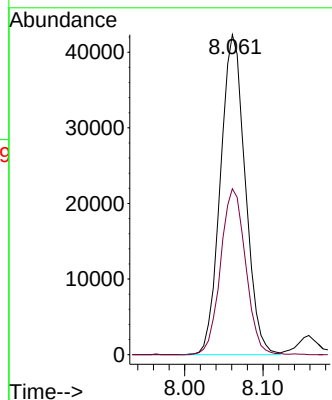
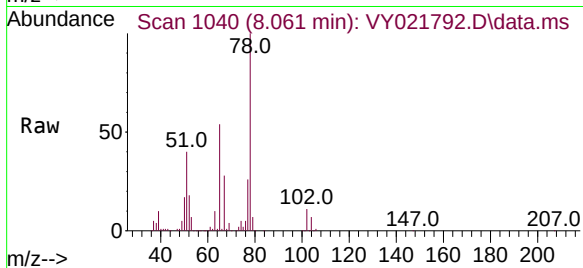




#33
 1,2-Dichloroethane-d4
 Concen: 49.291 ug/l
 RT: 8.061 min Scan# 11040
 Delta R.T. 0.000 min
 Lab File: VY021792.D
 Acq: 04 Apr 2025 17:44

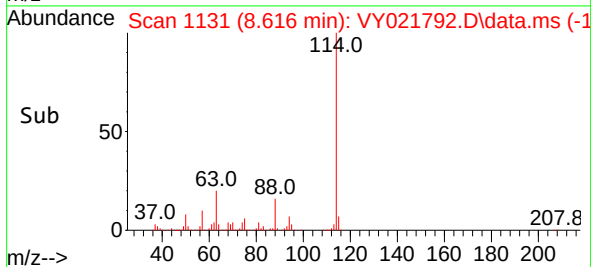
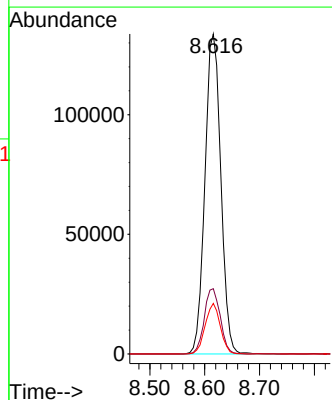
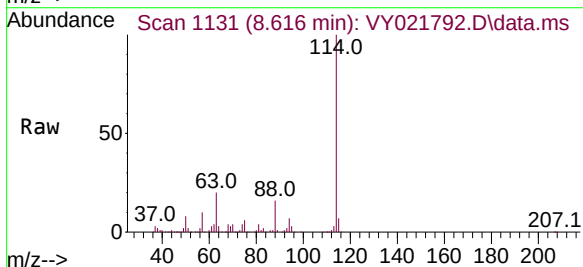
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

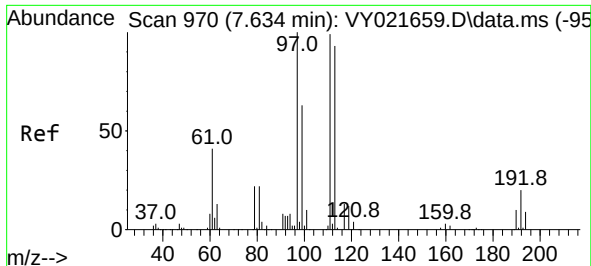
Tgt Ion: 65 Resp: 93081
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021792.D
 Acq: 04 Apr 2025 17:44

Tgt Ion: 114 Resp: 268405
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.8 0.0 29.8

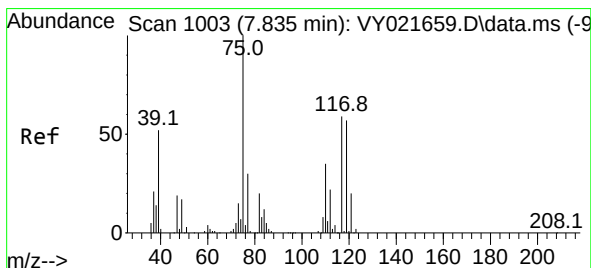
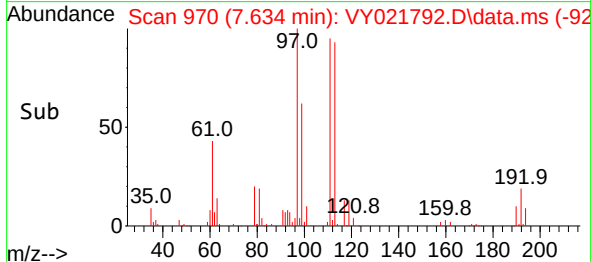
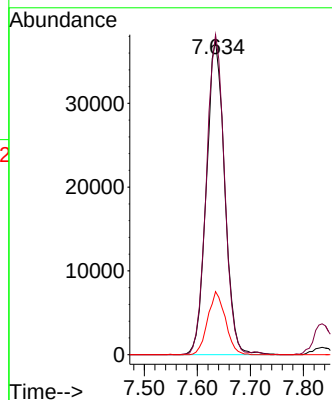
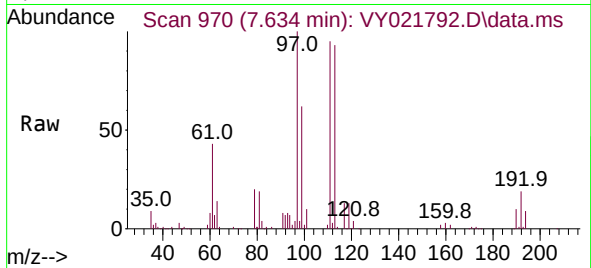




#35
Dibromofluoromethane
Concen: 51.567 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

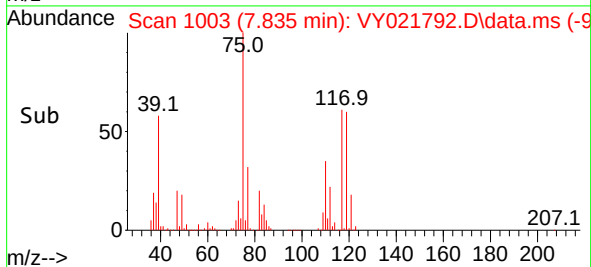
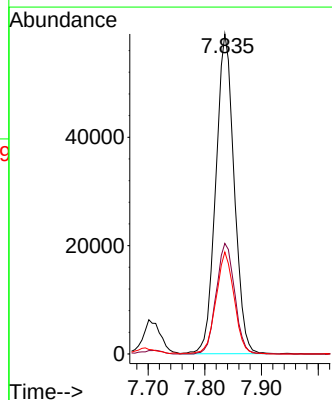
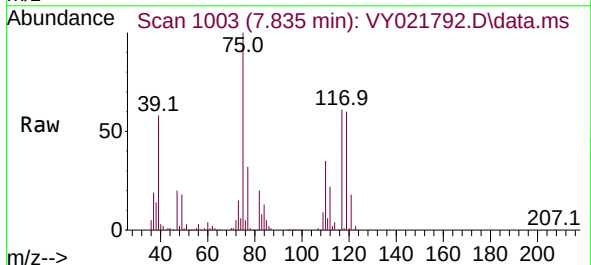
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

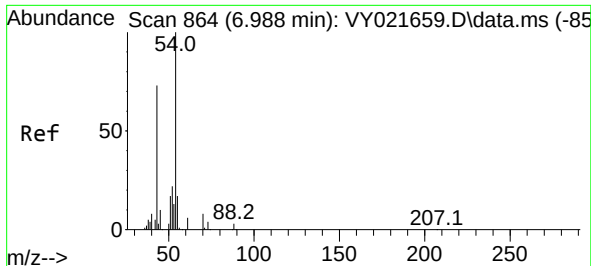
Tgt Ion:113 Resp: 89783
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 50.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 132692
Ion Ratio Lower Upper
75 100
110 34.7 17.0 50.9
77 31.6 24.8 37.2





#37

Ethyl Acetate

Concen: 51.733 ug/l

RT: 6.988 min Scan# 8

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

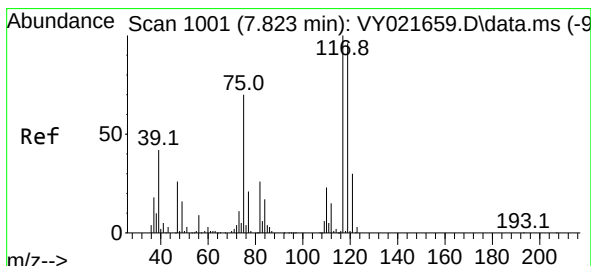
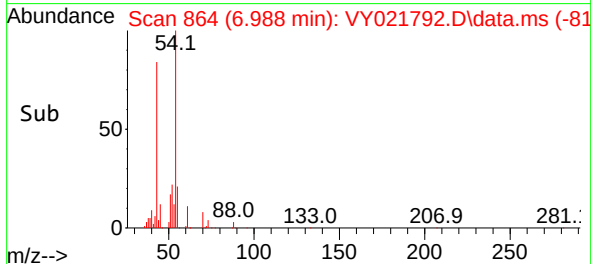
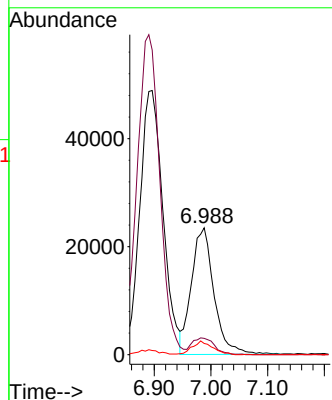
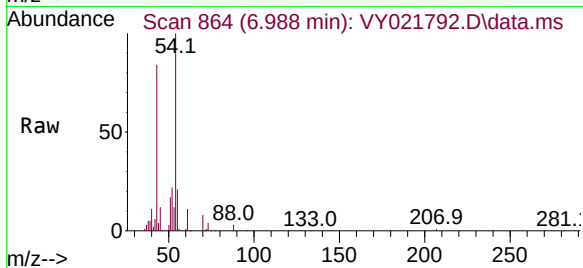
Tgt Ion: 43 Resp: 64748

Ion Ratio Lower Upper

43 100

61 13.1 11.0 16.6

70 9.8 8.1 12.1



#38

Carbon Tetrachloride

Concen: 51.249 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

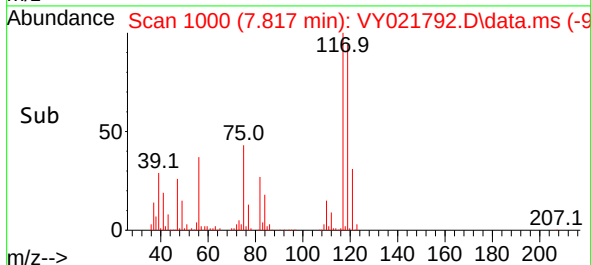
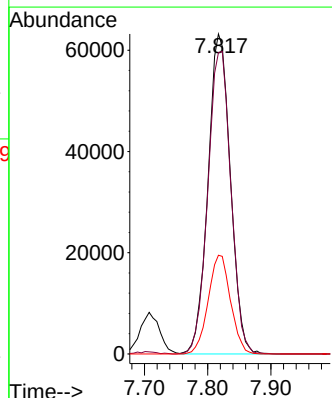
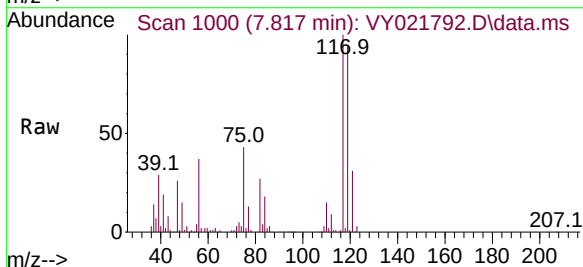
Tgt Ion: 117 Resp: 155663

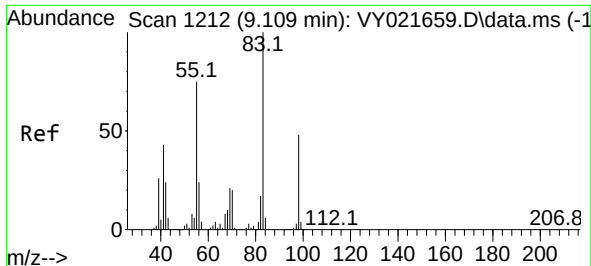
Ion Ratio Lower Upper

117 100

119 94.2 76.2 114.4

121 30.8 24.2 36.4





#39

Methylcyclohexane

Concen: 50.922 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

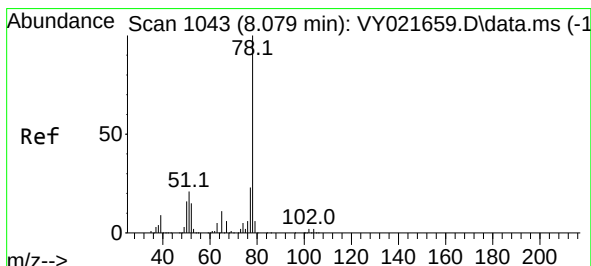
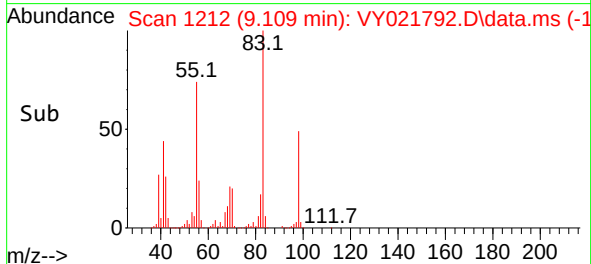
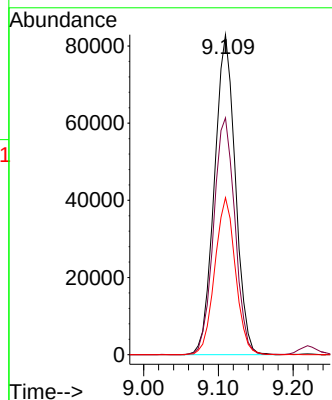
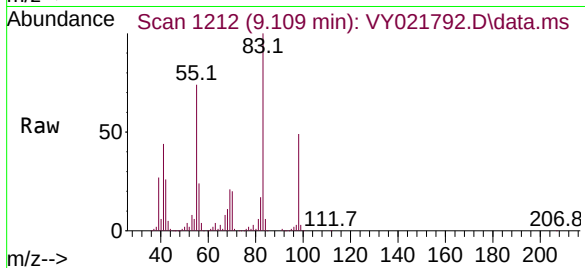
Tgt Ion: 83 Resp: 161325

Ion Ratio Lower Upper

83 100

55 74.0 59.7 89.5

98 49.1 38.3 57.5



#40

Benzene

Concen: 51.051 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021792.D

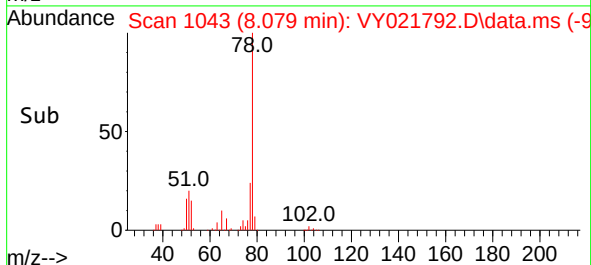
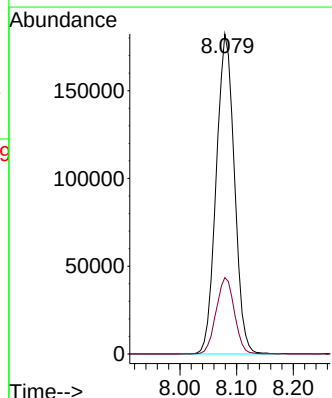
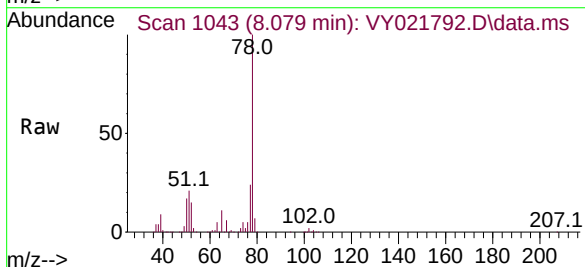
Acq: 04 Apr 2025 17:44

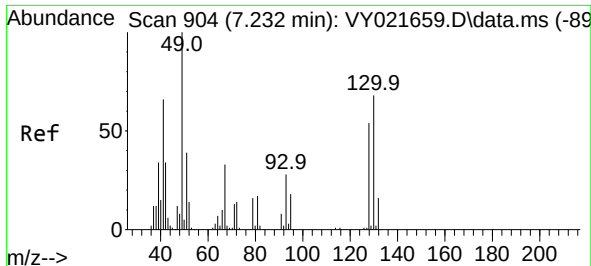
Tgt Ion: 78 Resp: 405446

Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2

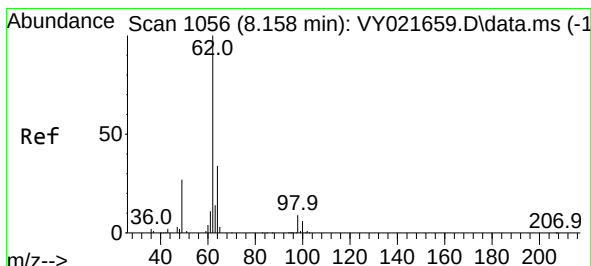
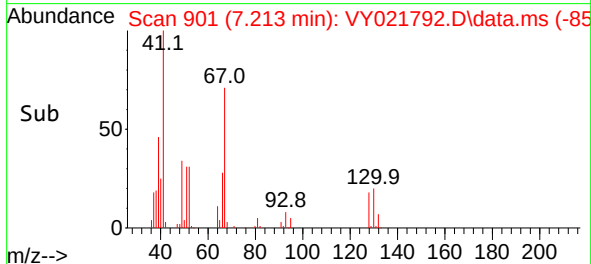
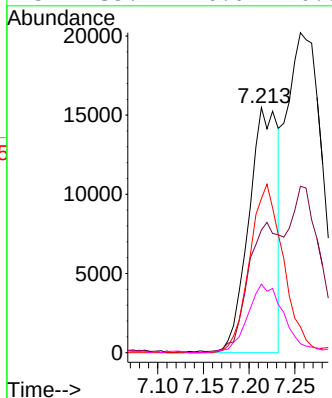
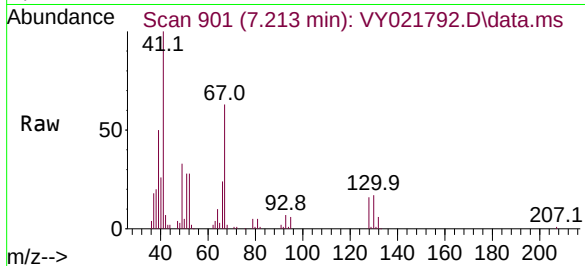




#41
Methacrylonitrile
Concen: 52.095 ug/l
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

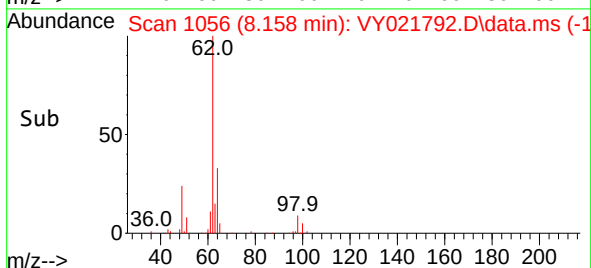
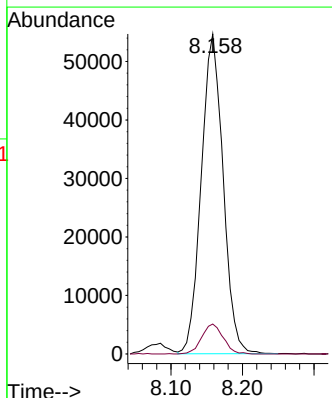
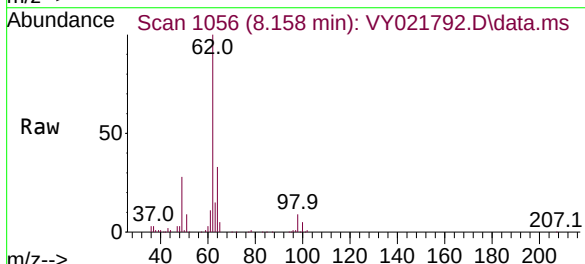
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

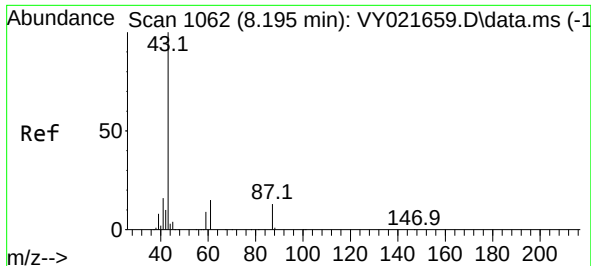
Tgt Ion: 41 Resp: 34626
Ion Ratio Lower Upper
41 100
39 61.9 0.0 0.0#
67 79.8 0.0 0.0#
52 35.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 51.801 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 62 Resp: 115981
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4

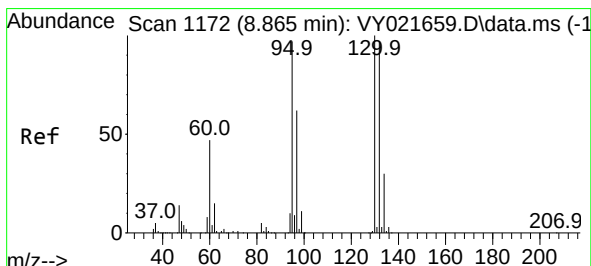
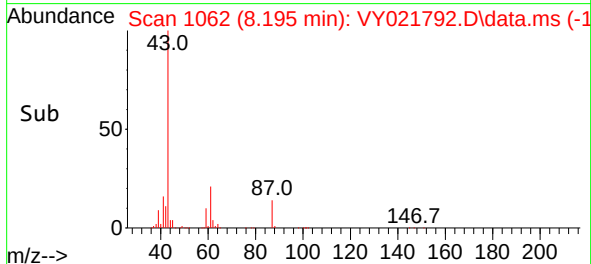
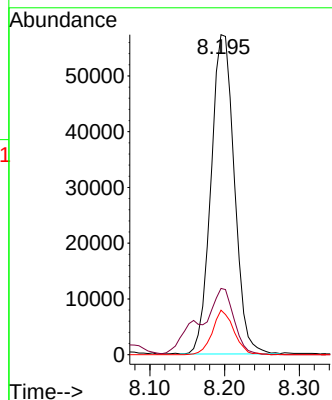
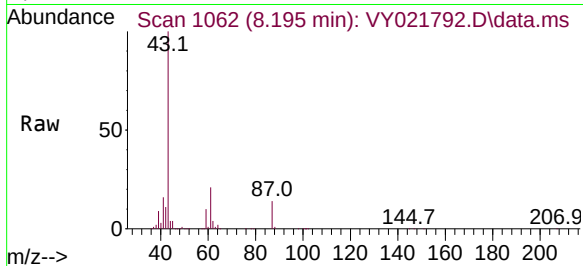




#43
Isopropyl Acetate
Concen: 52.369 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

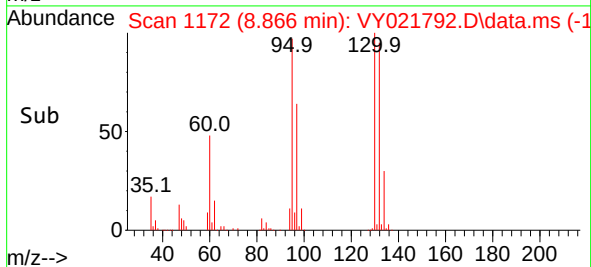
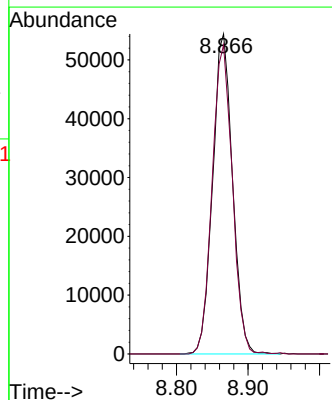
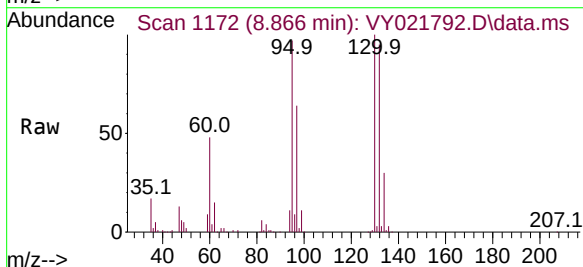
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

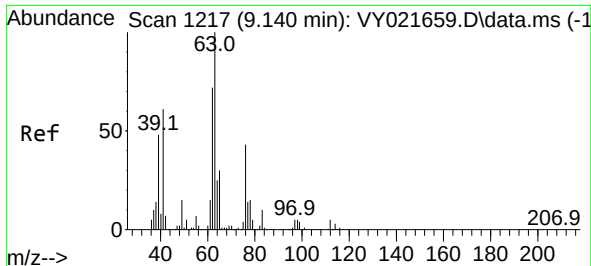
Tgt Ion: 43 Resp: 124209
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9
87 12.9 10.4 15.6



#44
Trichloroethene
Concen: 51.907 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 130 Resp: 105036
Ion Ratio Lower Upper
130 100
95 96.6 0.0 194.8





#45

1,2-Dichloropropane

Concen: 53.457 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

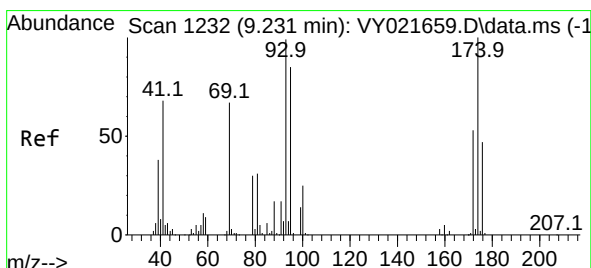
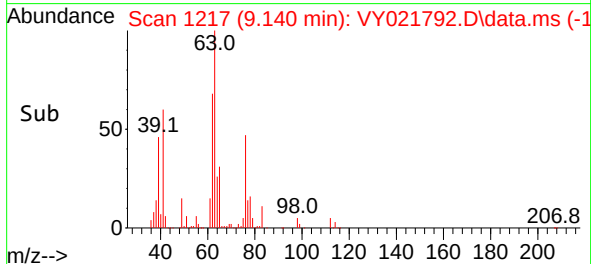
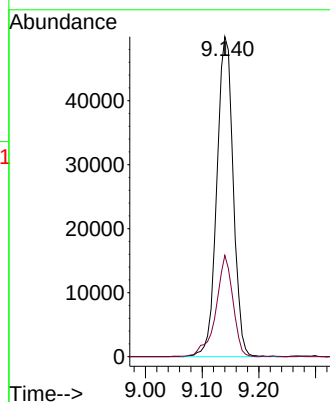
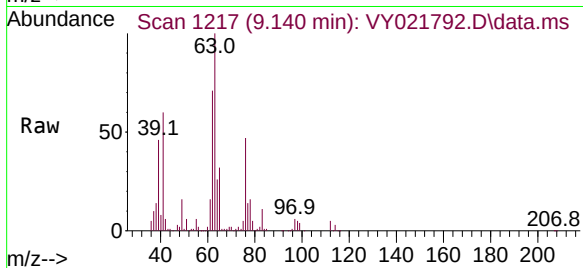
VSTDCCC050EC

Tgt Ion: 63 Resp: 100494

Ion Ratio Lower Upper

63 100

65 31.5 24.4 36.6



#46

Dibromomethane

Concen: 53.422 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

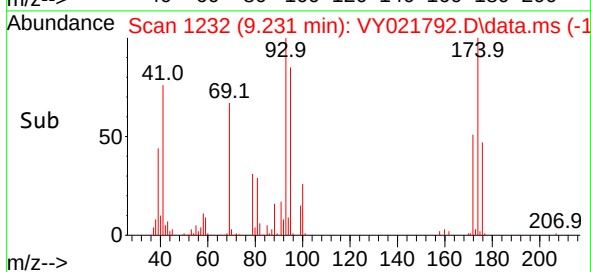
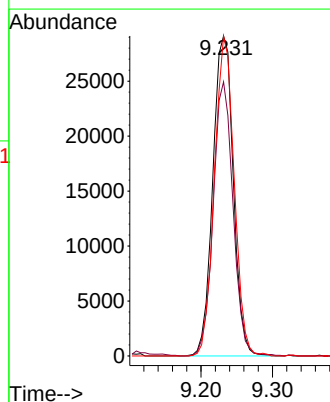
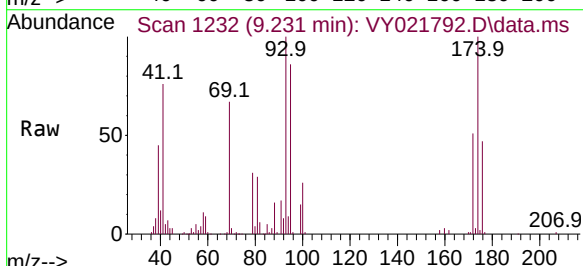
Tgt Ion: 93 Resp: 57879

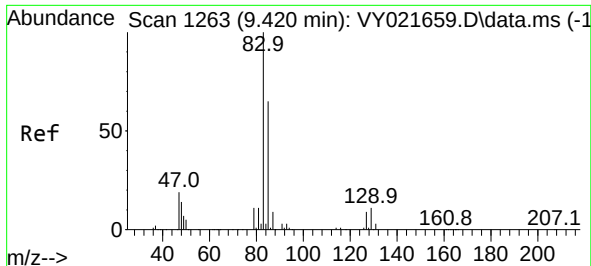
Ion Ratio Lower Upper

93 100

95 82.8 68.1 102.1

174 96.4 80.9 121.3

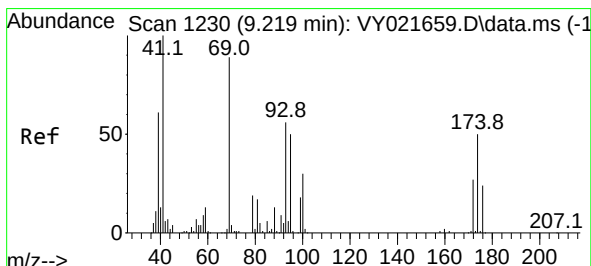
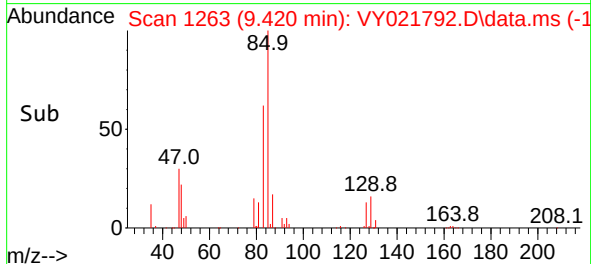
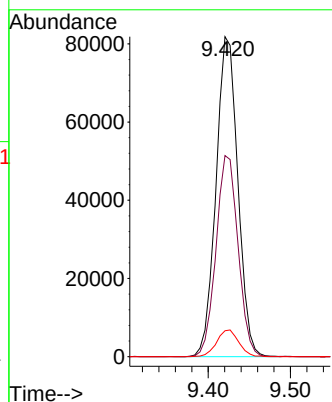
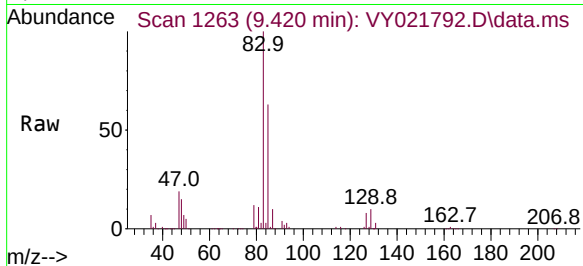




#47
Bromodichloromethane
Concen: 53.857 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

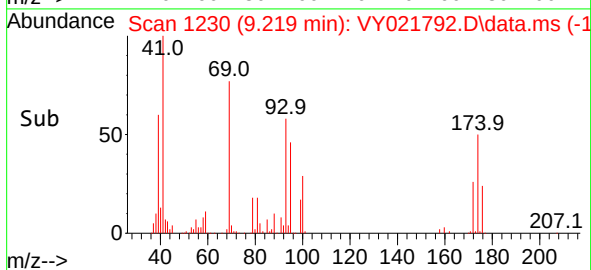
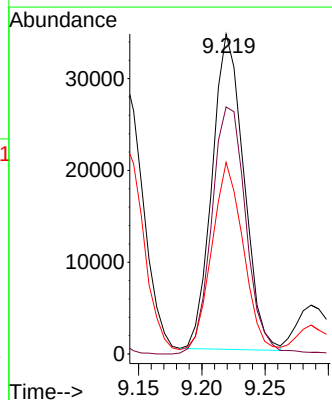
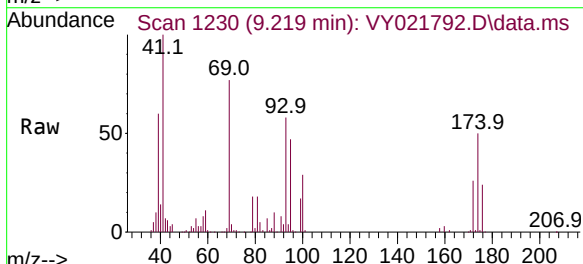
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

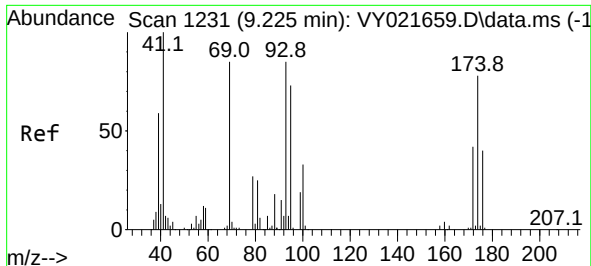
Tgt Ion: 83 Resp: 151198
Ion Ratio Lower Upper
83 100
85 62.8 51.8 77.6
127 8.1 6.8 10.2



#48
Methyl methacrylate
Concen: 54.919 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 59783
Ion Ratio Lower Upper
41 100
69 85.1 69.8 104.8
39 58.8 47.2 70.8





#49

1,4-Dioxane

Concen: 1042.700 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

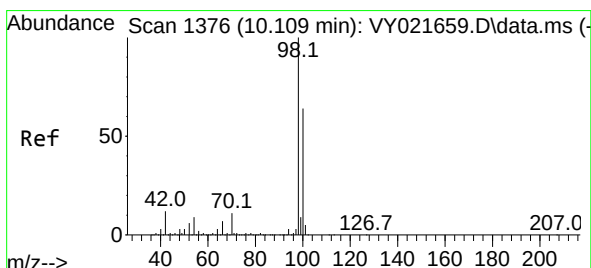
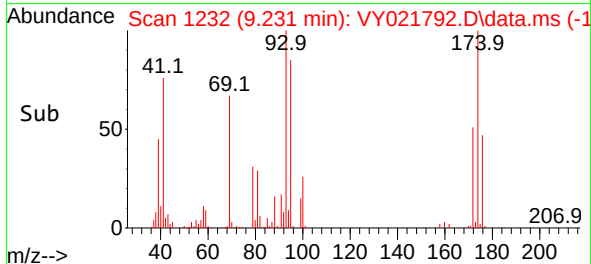
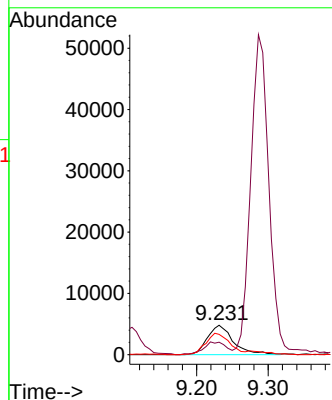
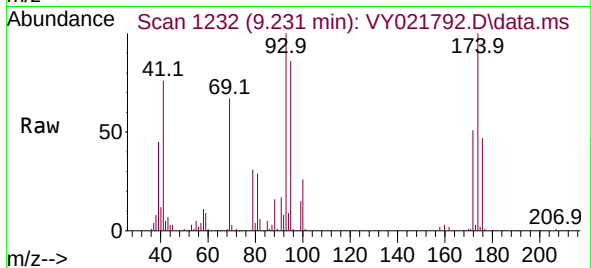
Tgt Ion: 88 Resp: 12102

Ion Ratio Lower Upper

88 100

43 38.0 28.8 43.2

58 67.0 59.4 89.2



#50

Toluene-d8

Concen: 49.581 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021792.D

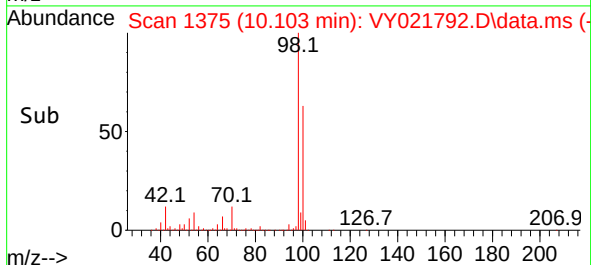
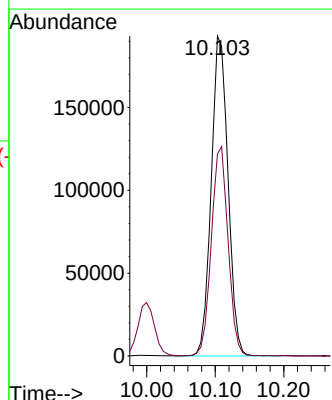
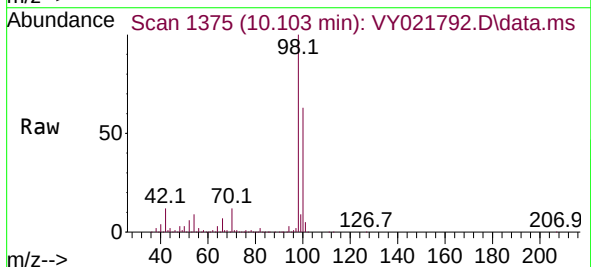
Acq: 04 Apr 2025 17:44

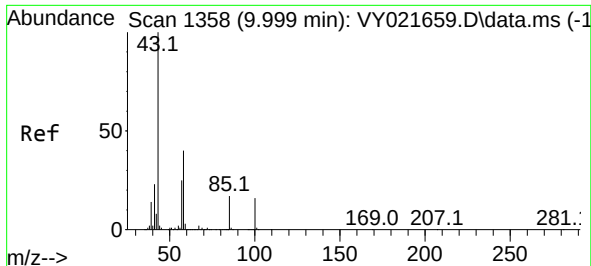
Tgt Ion: 98 Resp: 328405

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 285.663 ug/l

RT: 10.000 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

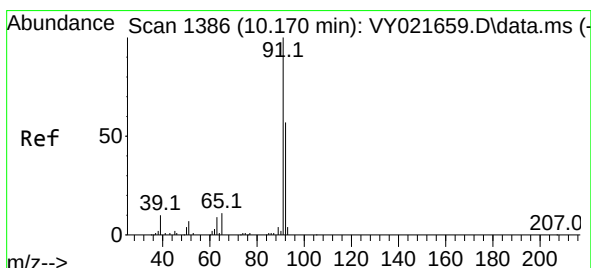
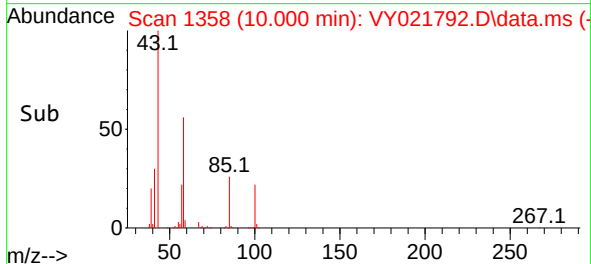
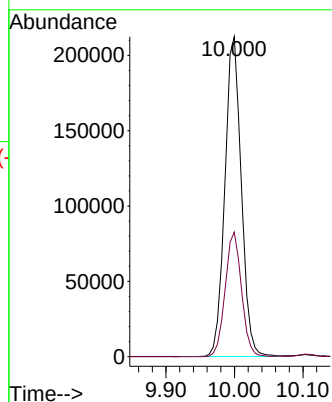
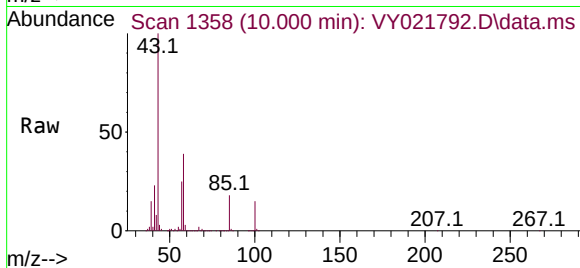
VSTDCCC050EC

Tgt Ion: 43 Resp: 352592

Ion Ratio Lower Upper

43 100

58 38.8 31.5 47.3



#52

Toluene

Concen: 52.527 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021792.D

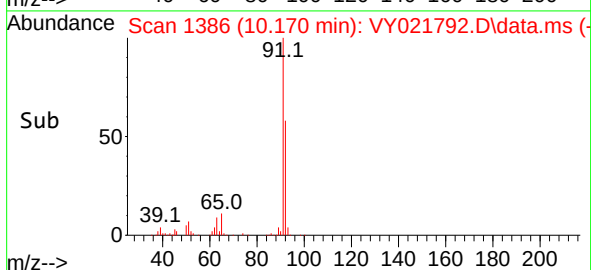
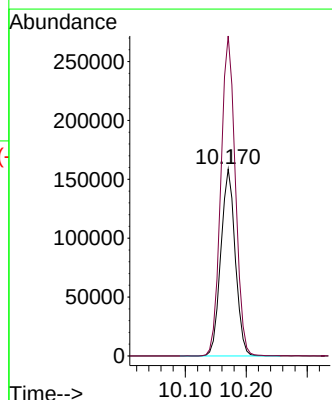
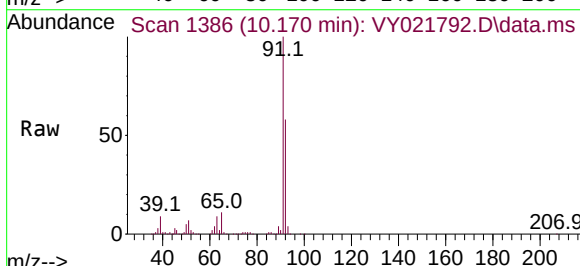
Acq: 04 Apr 2025 17:44

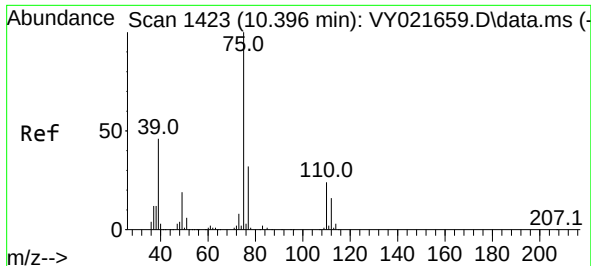
Tgt Ion: 92 Resp: 260277

Ion Ratio Lower Upper

92 100

91 173.0 138.6 207.8

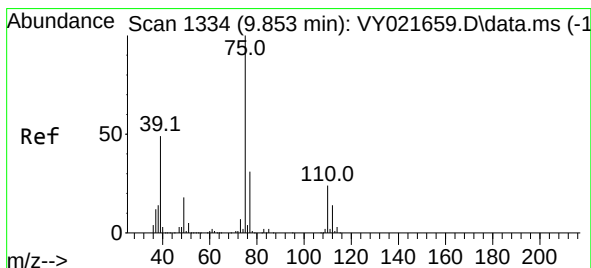
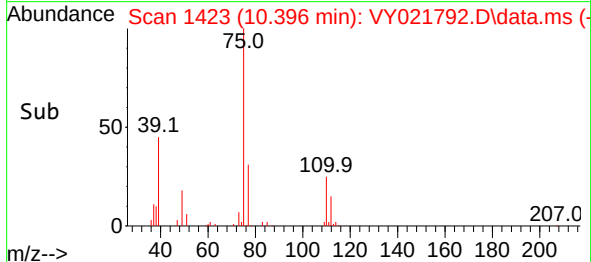
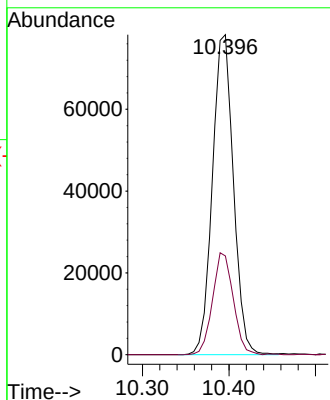
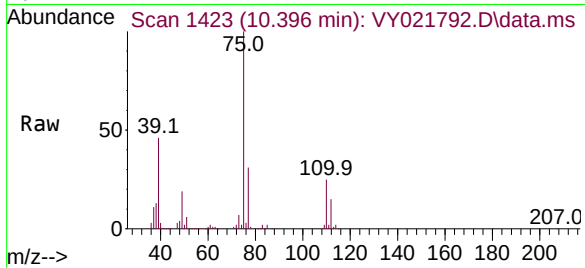




#53
t-1,3-Dichloropropene
Concen: 52.910 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

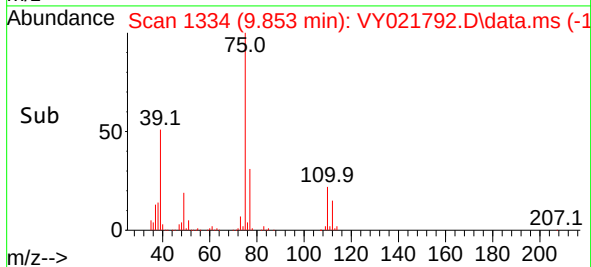
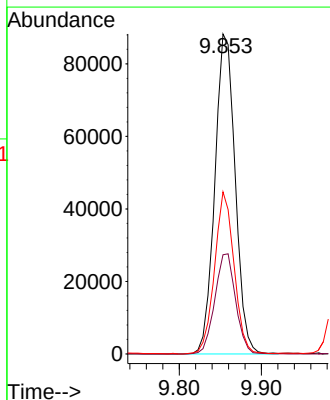
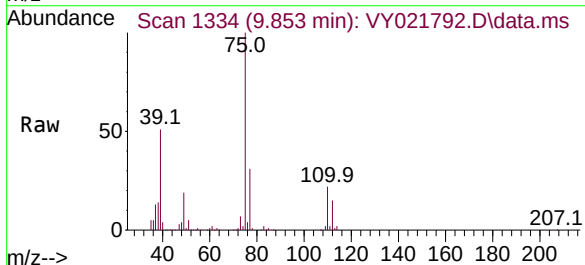
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

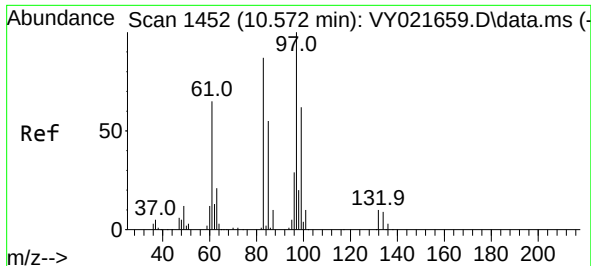
Tgt Ion: 75 Resp: 131936
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 51.714 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 152131
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3
39 50.7 39.2 58.8

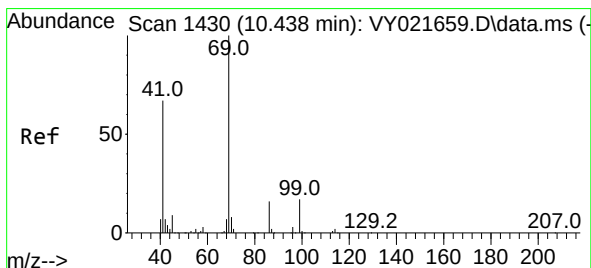
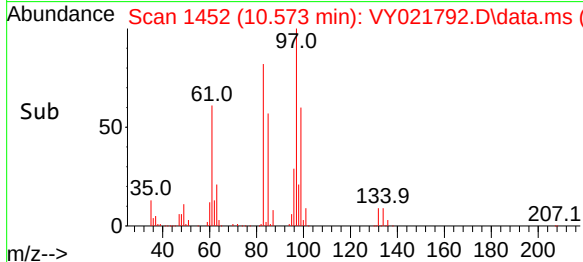
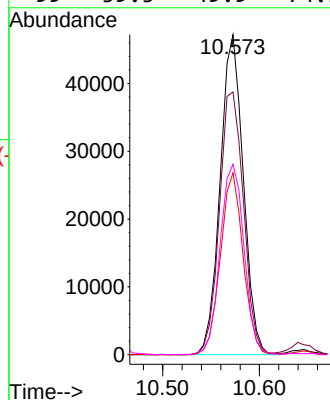
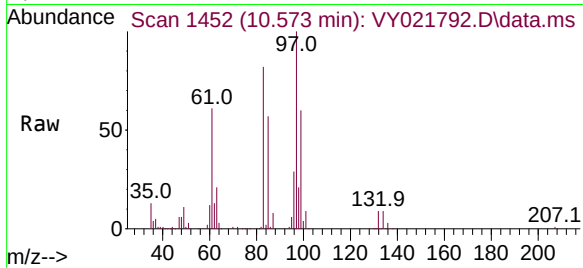




#55
1,1,2-Trichloroethane
Concen: 56.175 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

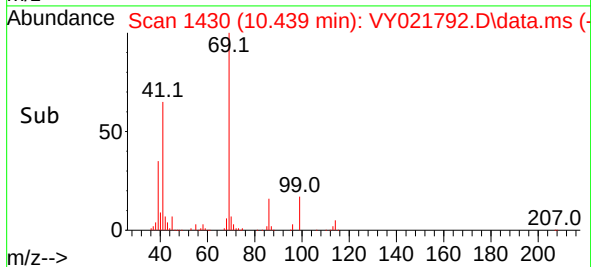
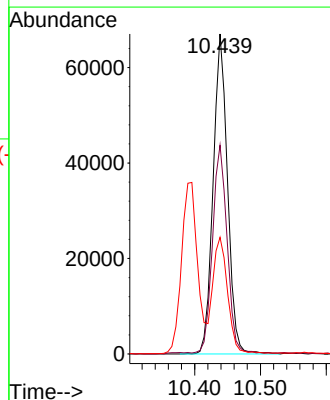
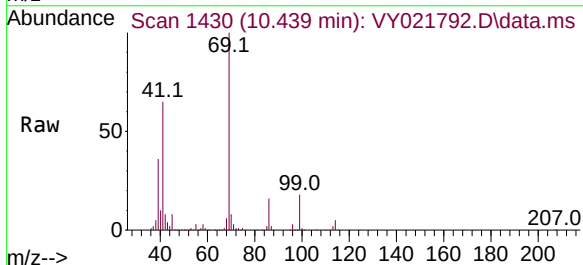
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

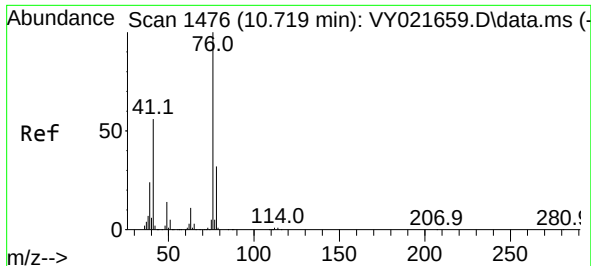
Tgt Ion:	97	Resp:	78322
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.5	104.3
85	56.9	43.9	65.9
99	59.5	49.9	74.9



#56
Ethyl methacrylate
Concen: 57.212 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:	69	Resp:	101856
Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.8	80.6
39	36.4	29.6	44.4





#57

1,3-Dichloropropane

Concen: 54.092 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

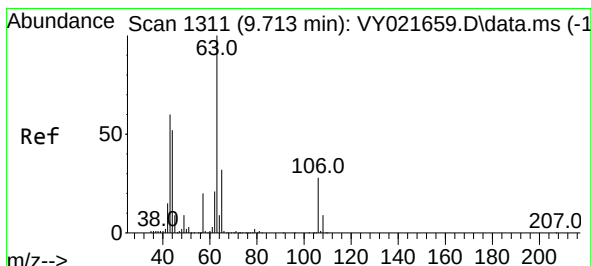
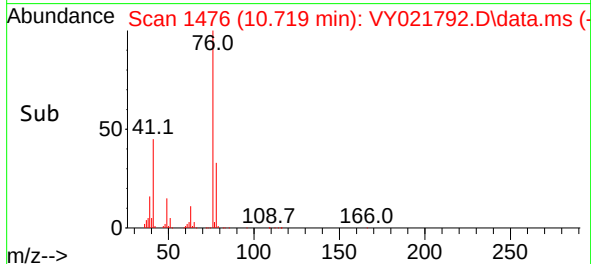
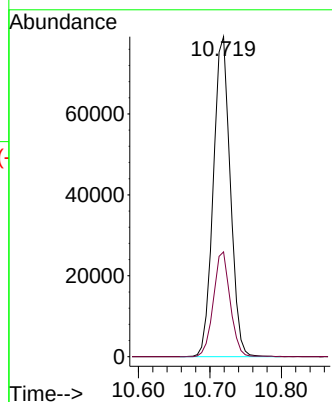
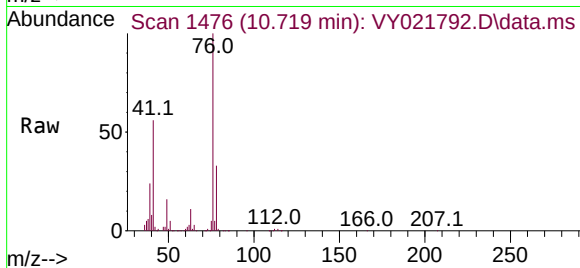
VSTDCCC050EC

Tgt Ion: 76 Resp: 130252

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 294.907 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021792.D

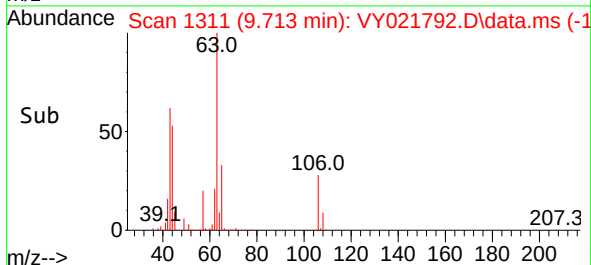
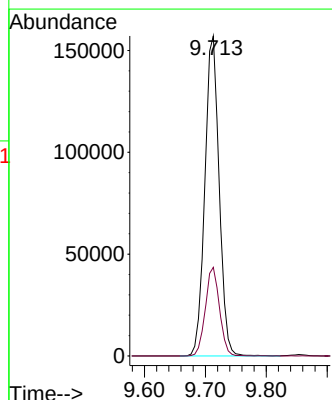
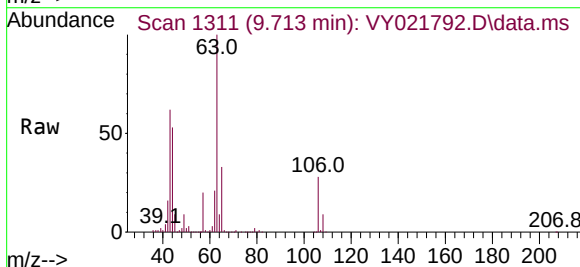
Acq: 04 Apr 2025 17:44

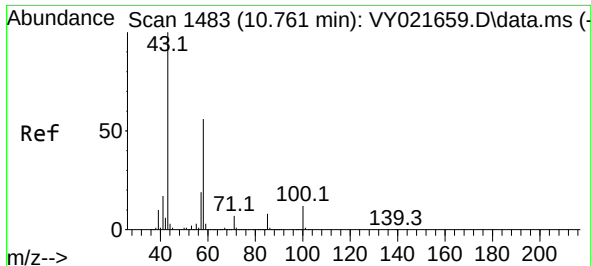
Tgt Ion: 63 Resp: 256125

Ion Ratio Lower Upper

63 100

106 27.3 22.4 33.6

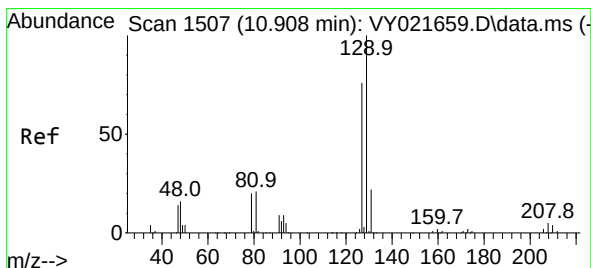
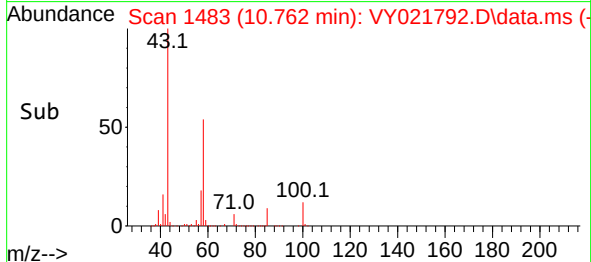
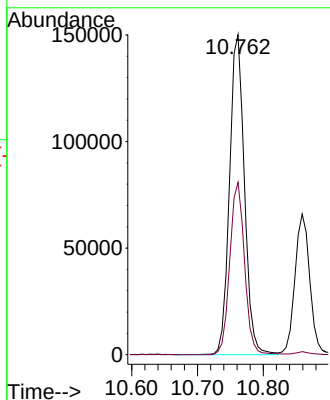
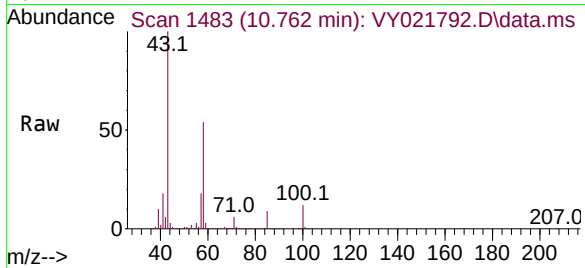




#59
2-Hexanone
Concen: 288.335 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

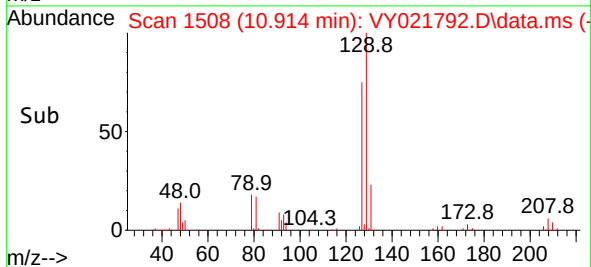
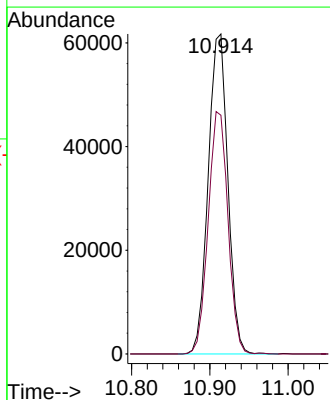
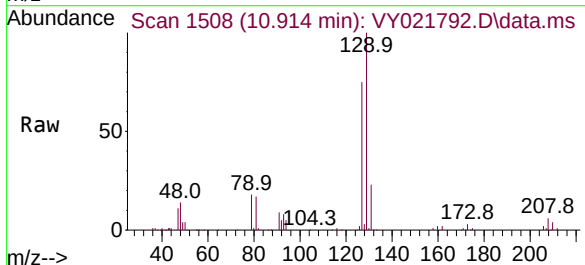
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

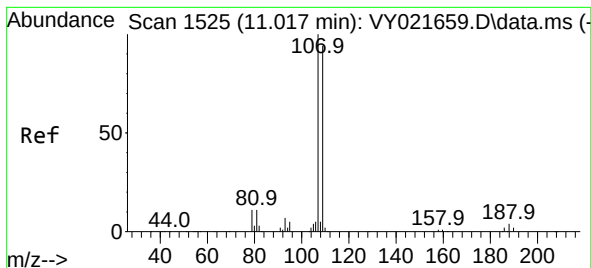
Tgt Ion: 43 Resp: 237017
Ion Ratio Lower Upper
43 100
58 53.2 27.2 81.5



#60
Dibromochloromethane
Concen: 56.412 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 129 Resp: 107386
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.7

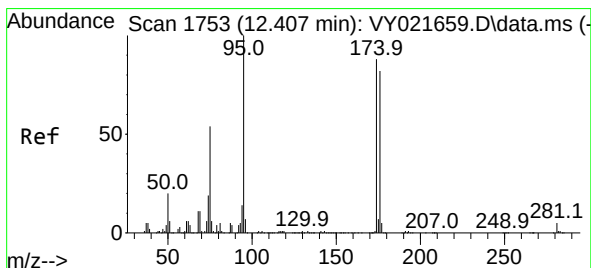
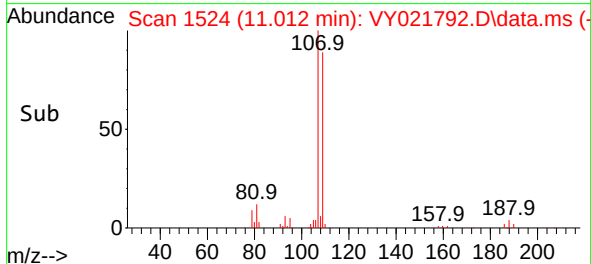
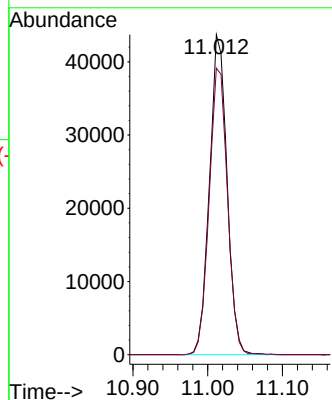
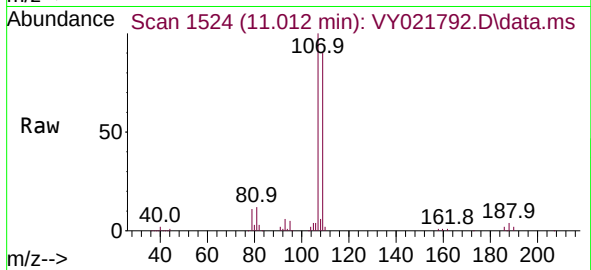




#61
1,2-Dibromoethane
Concen: 54.475 ug/l
RT: 11.012 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

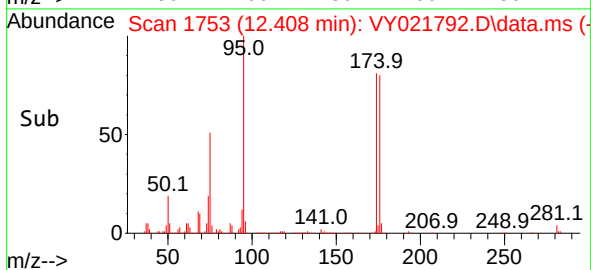
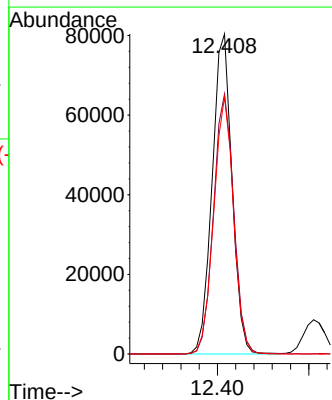
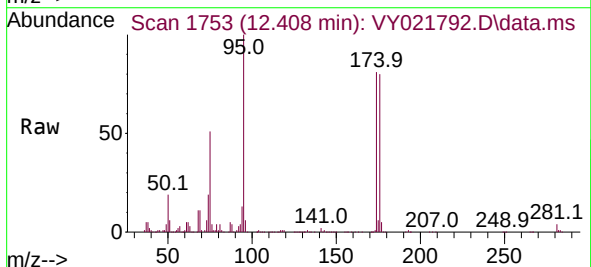
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

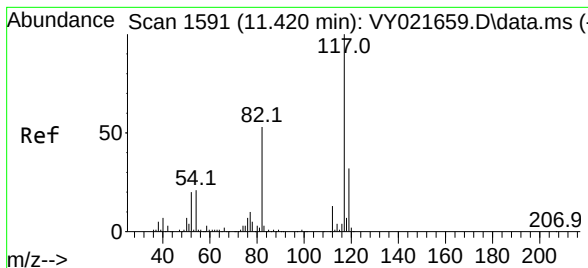
Tgt Ion:107 Resp: 71249
Ion Ratio Lower Upper
107 100
109 93.4 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 54.025 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 95 Resp: 121039
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.8
176 80.3 0.0 162.0

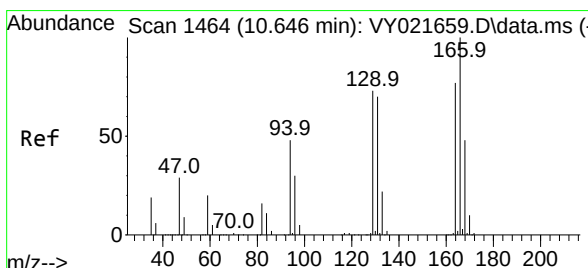
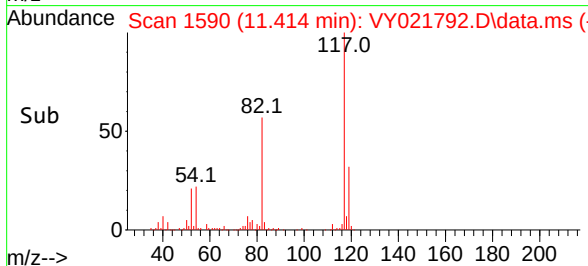
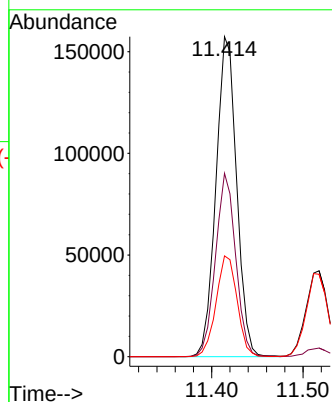
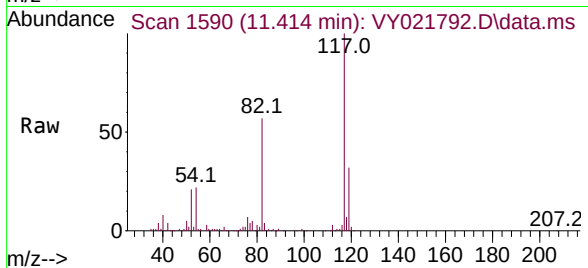




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

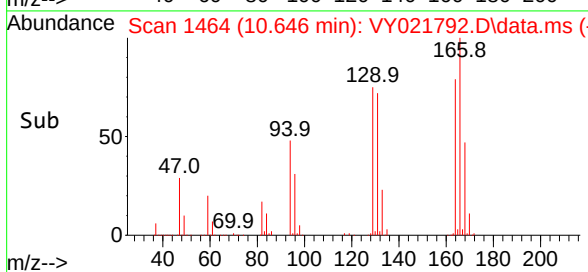
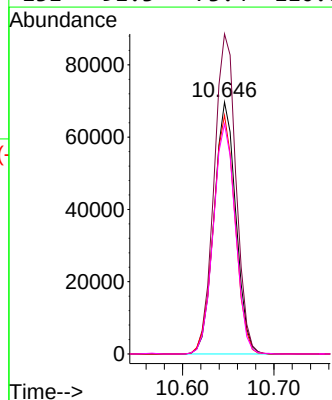
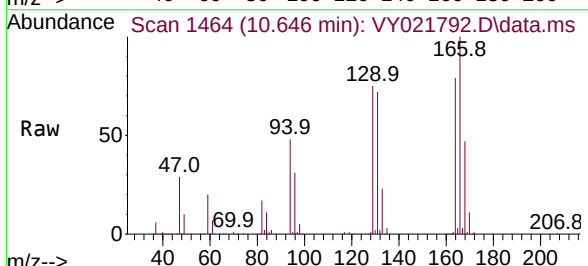
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

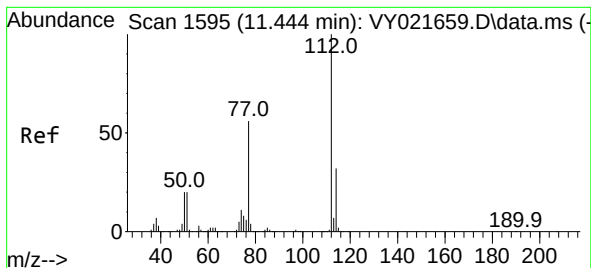
Tgt Ion:117 Resp: 248171
Ion Ratio Lower Upper
117 100
82 57.3 42.8 64.2
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 51.070 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:164 Resp: 115433
Ion Ratio Lower Upper
164 100
166 127.0 104.6 156.8
129 94.8 76.6 114.8
131 91.3 73.4 110.0

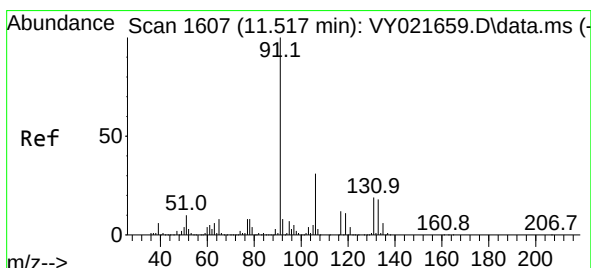
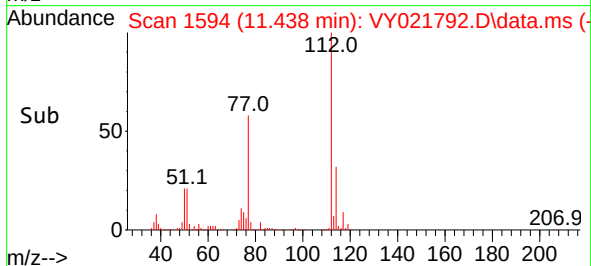
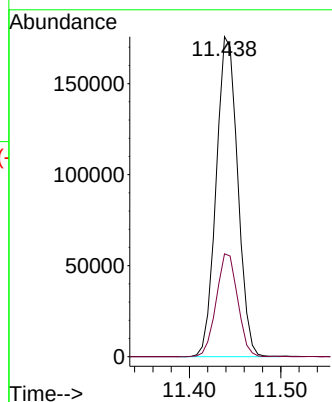
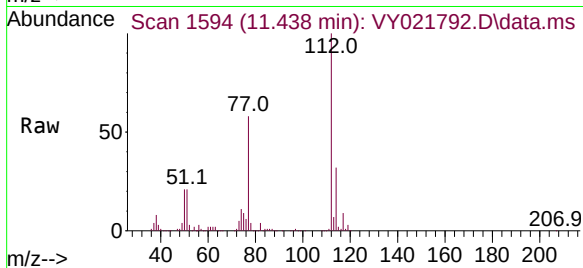




#65
Chlorobenzene
Concen: 50.644 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

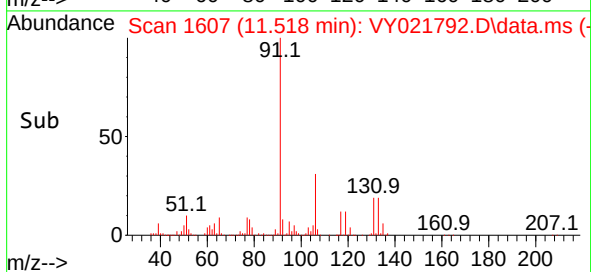
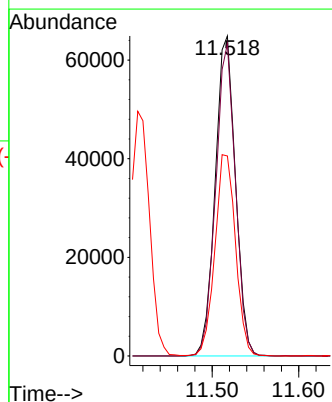
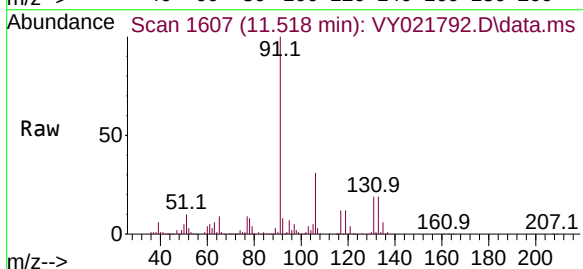
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

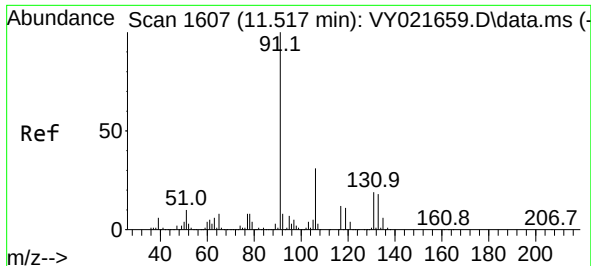
Tgt Ion:112 Resp: 288107
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.241 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:131 Resp: 105444
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 51.739 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

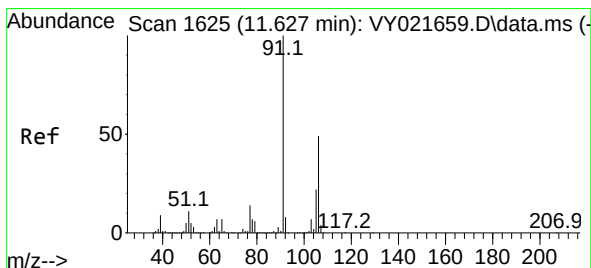
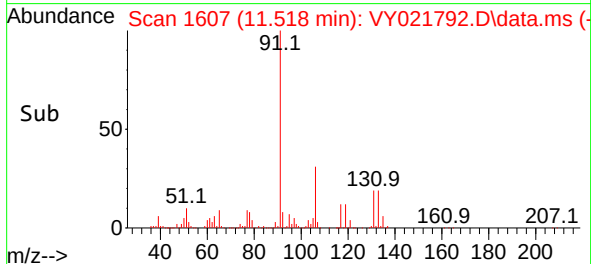
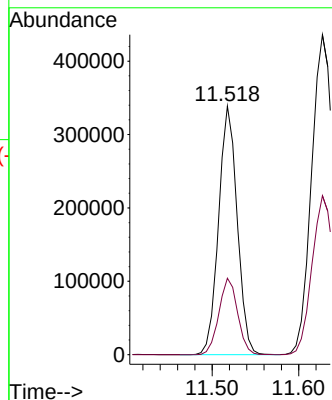
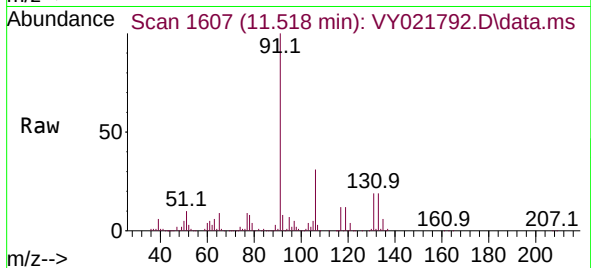
VSTDCCC050EC

Tgt Ion: 91 Resp: 504722

Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8



#68

m/p-Xylenes

Concen: 103.189 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021792.D

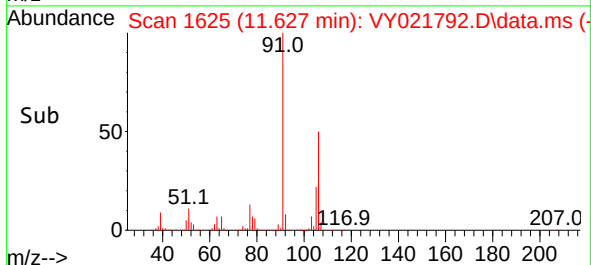
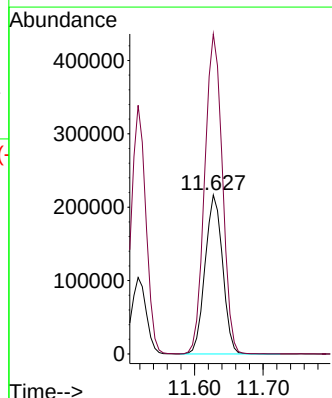
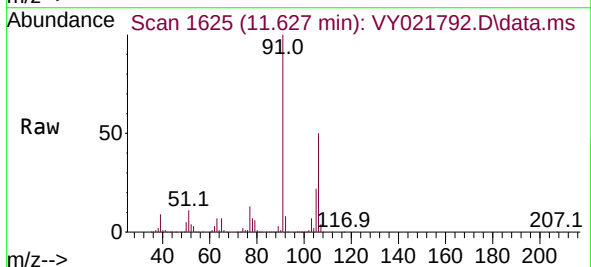
Acq: 04 Apr 2025 17:44

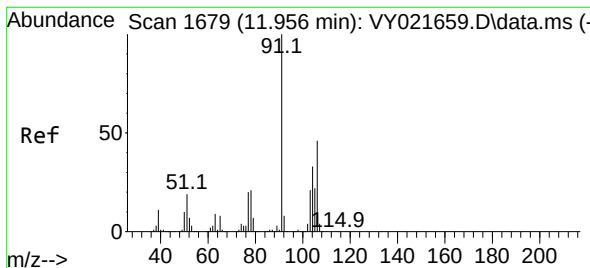
Tgt Ion:106 Resp: 385465

Ion Ratio Lower Upper

106 100

91 202.9 162.4 243.6

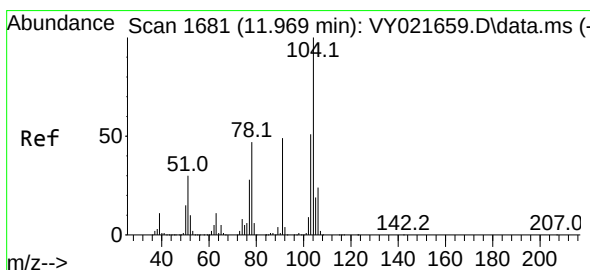
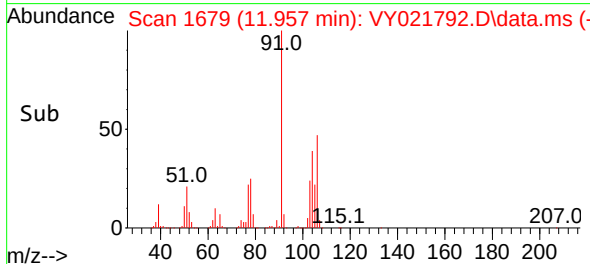
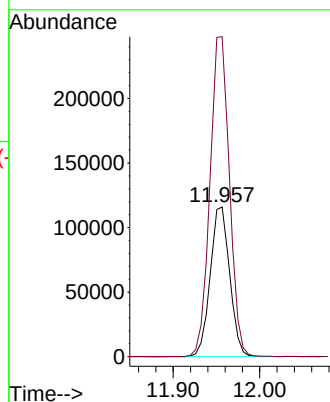
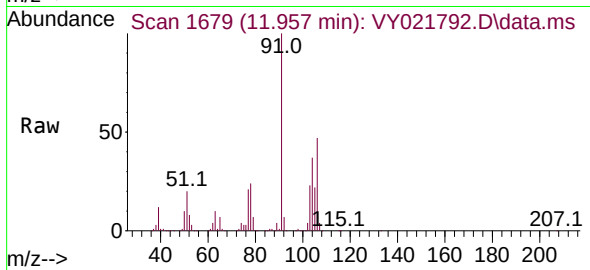




#69
o-Xylene
Concen: 52.528 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

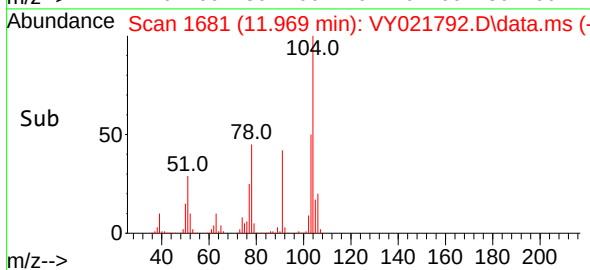
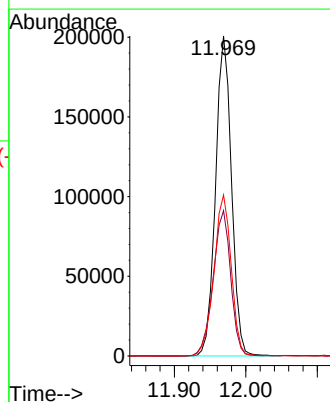
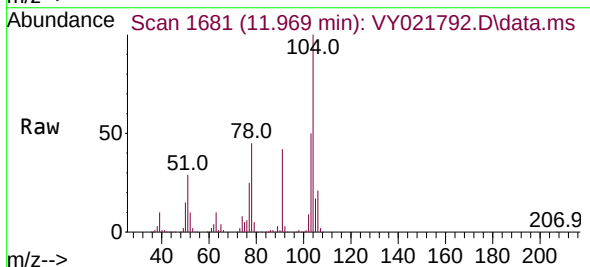
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

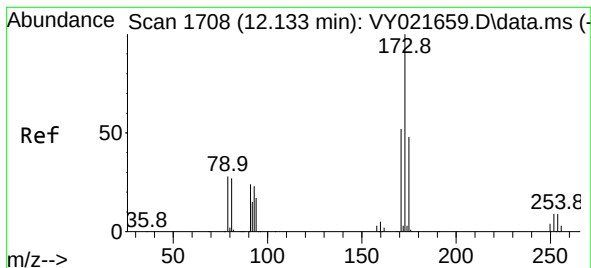
Tgt Ion:106 Resp: 181127
Ion Ratio Lower Upper
106 100
91 214.3 106.7 319.9



#70
Styrene
Concen: 54.028 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:104 Resp: 310624
Ion Ratio Lower Upper
104 100
78 50.2 40.8 61.2
103 54.5 44.2 66.2





#71

Bromoform

Concen: 54.280 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

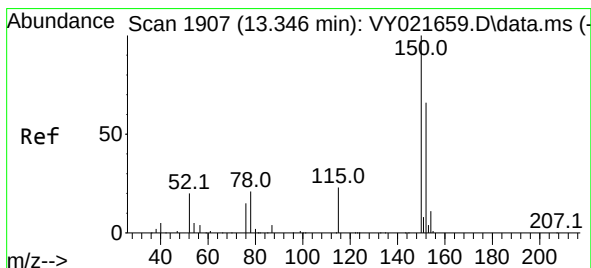
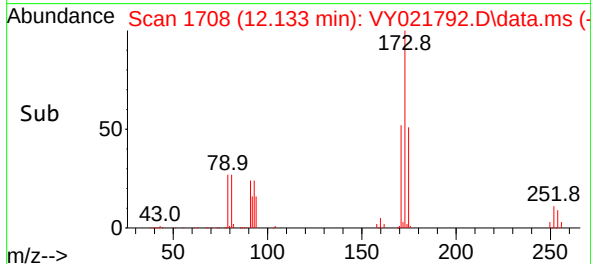
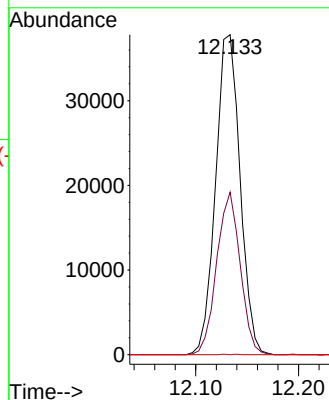
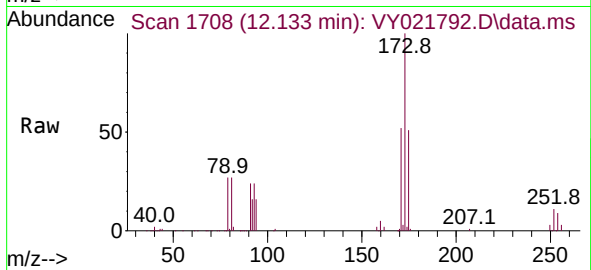
Tgt Ion:173 Resp: 62495

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

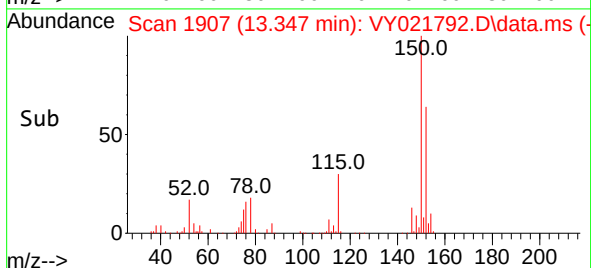
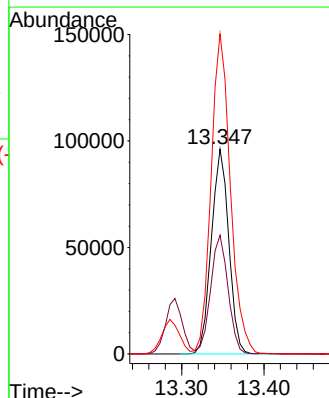
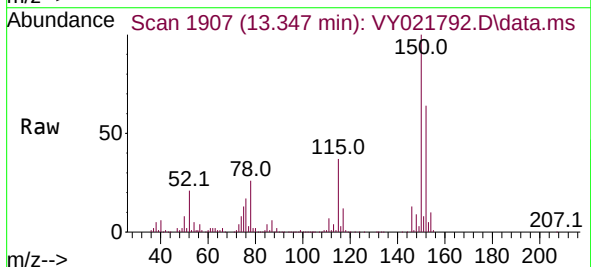
Tgt Ion:152 Resp: 141740

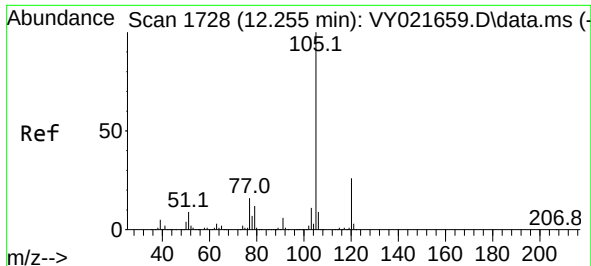
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 173.1 0.0 348.4

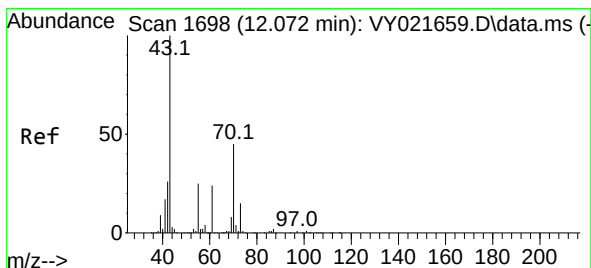
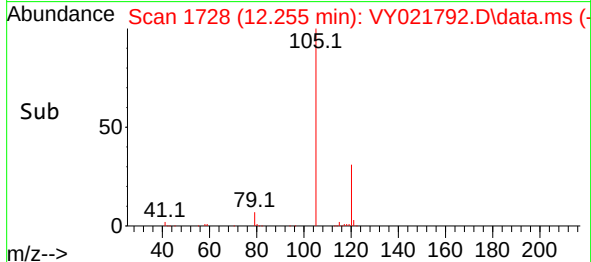
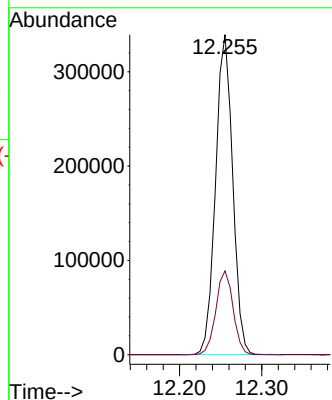
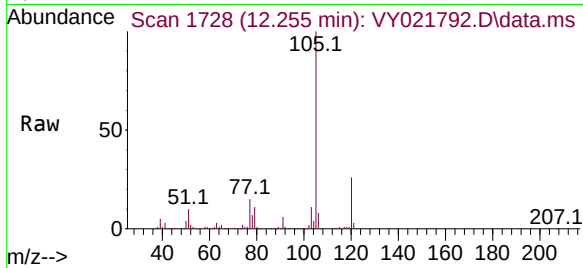




#73
Isopropylbenzene
Concen: 46.563 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

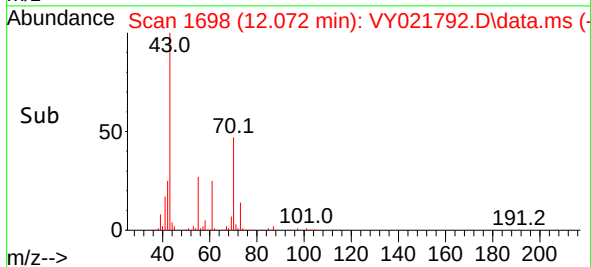
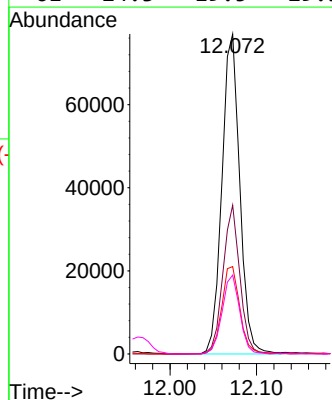
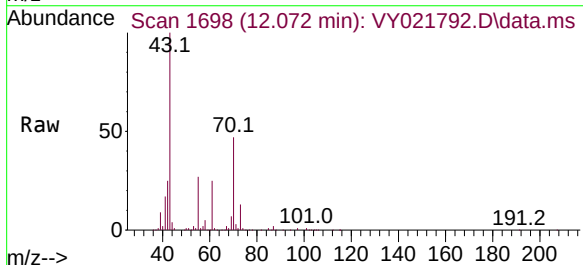
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

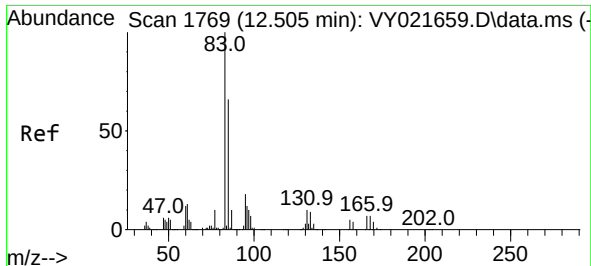
Tgt Ion:105 Resp: 490199
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5



#74
N-ethyl acetate
Concen: 44.542 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 110051
Ion Ratio Lower Upper
43 100
70 44.1 34.7 52.1
55 28.0 21.2 31.8
61 24.3 19.5 29.3

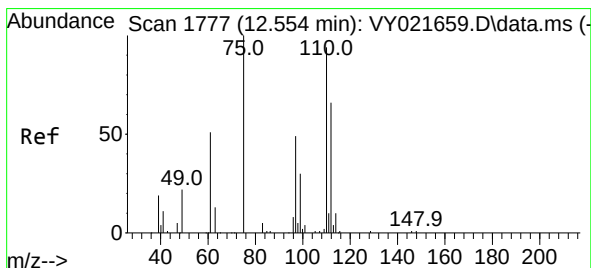
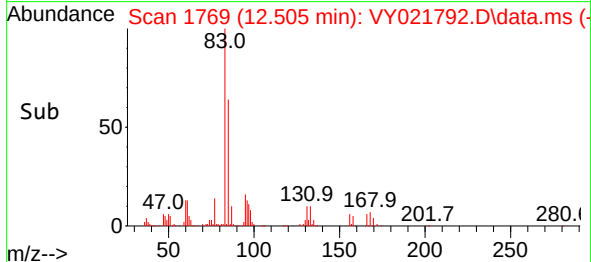
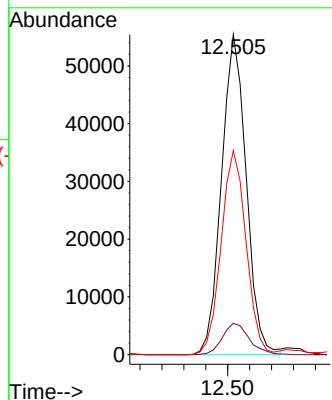
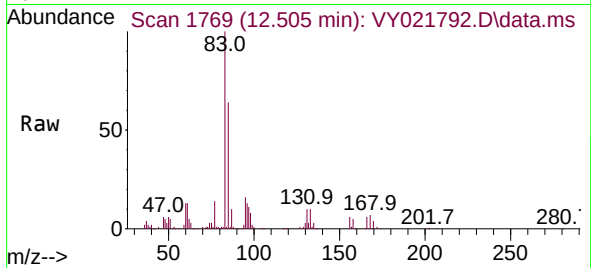




#75
1,1,2,2-Tetrachloroethane
Concen: 45.870 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

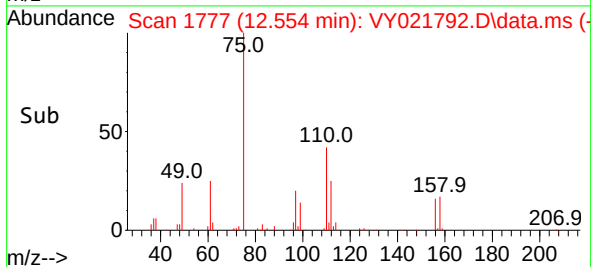
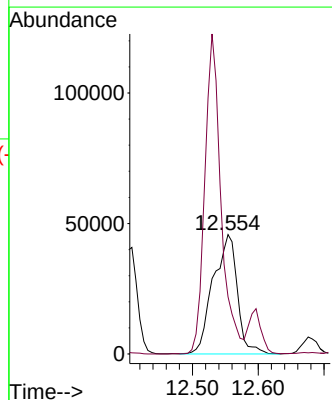
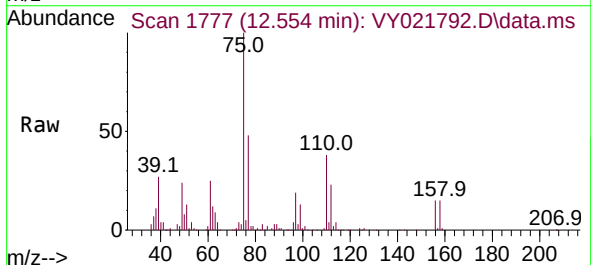
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

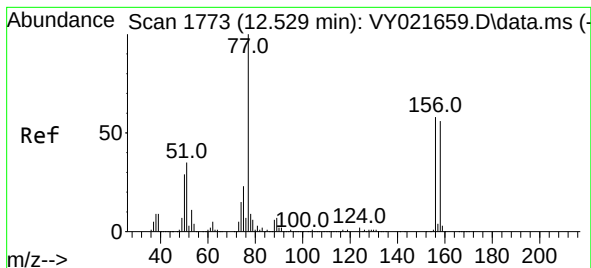
Tgt Ion: 83 Resp: 86820
Ion Ratio Lower Upper
83 100
131 10.7 5.1 15.3
85 64.2 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 83.395 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 117171
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.591 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

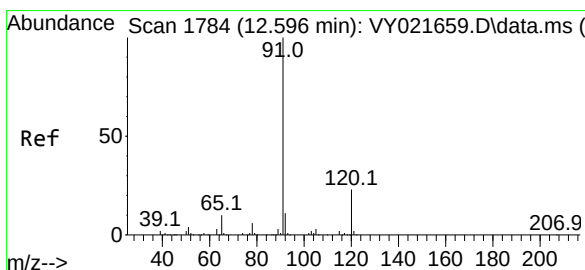
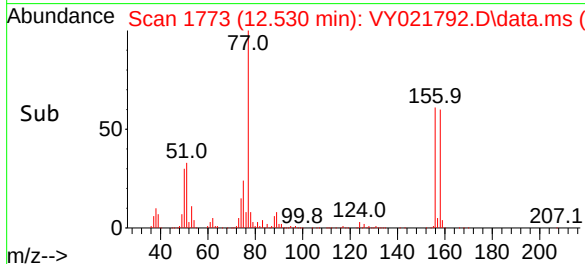
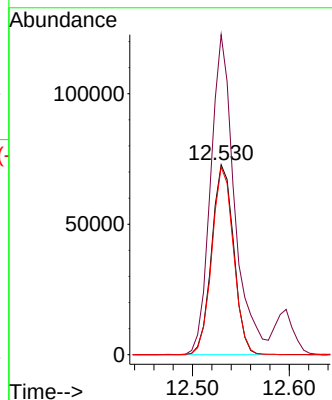
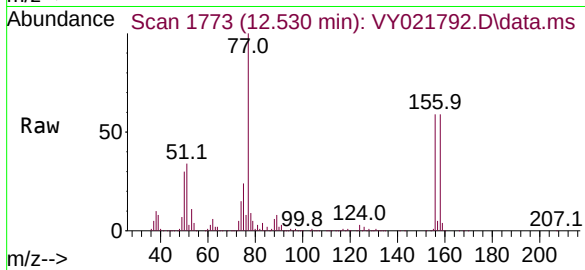
Tgt Ion:156 Resp: 115240

Ion Ratio Lower Upper

156 100

77 183.6 92.8 278.3

158 97.1 48.5 145.6



#78

n-propylbenzene

Concen: 47.555 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021792.D

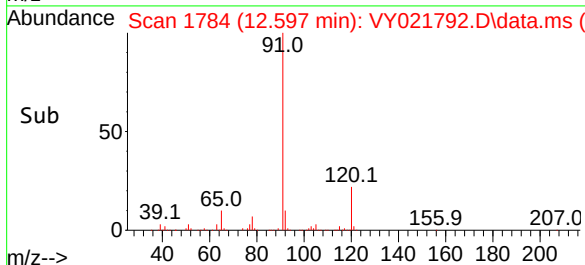
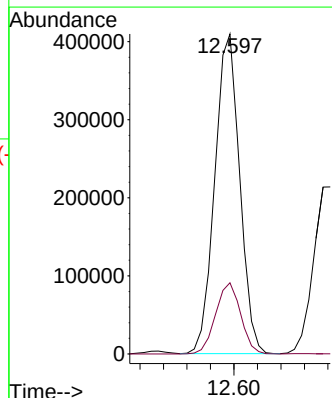
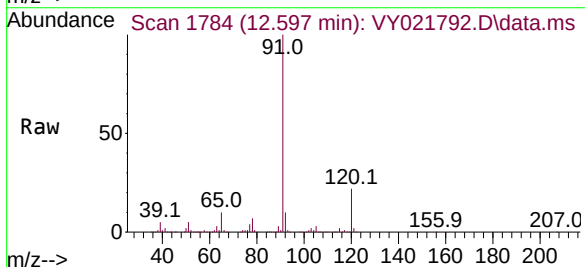
Acq: 04 Apr 2025 17:44

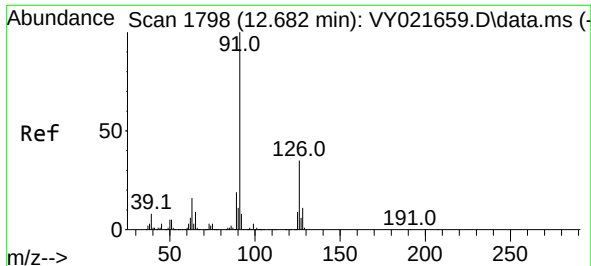
Tgt Ion: 91 Resp: 601889

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 45.910 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

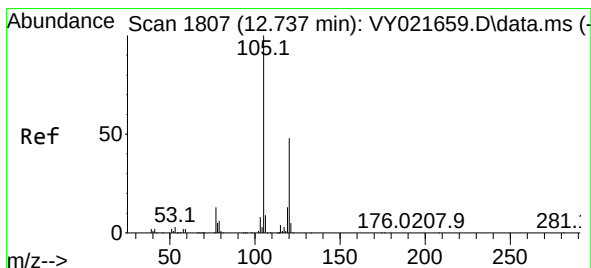
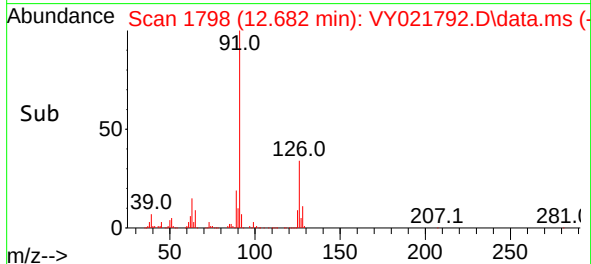
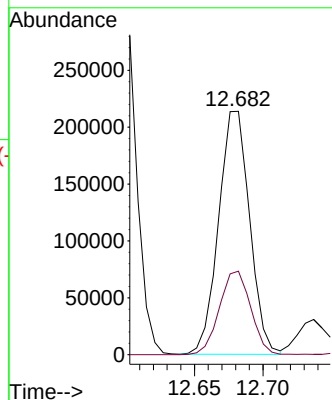
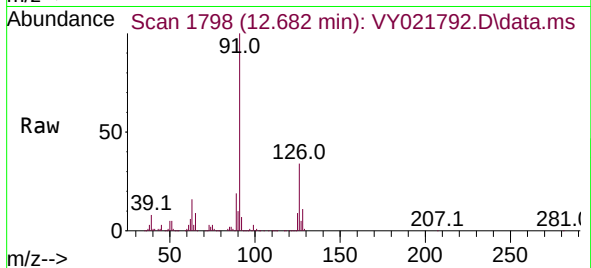
VSTDCCC050EC

Tgt Ion: 91 Resp: 337495

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 47.086 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021792.D

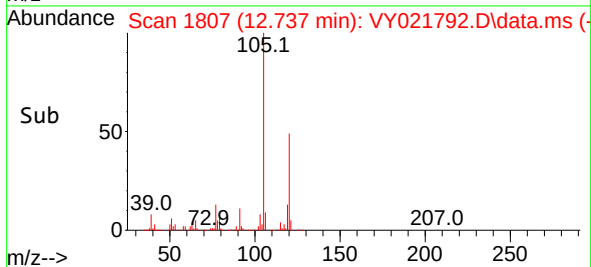
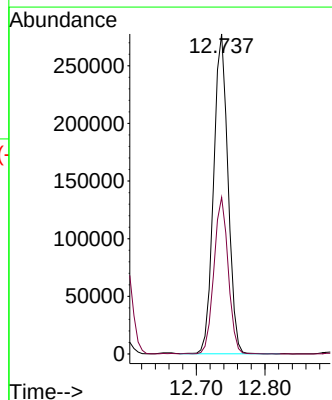
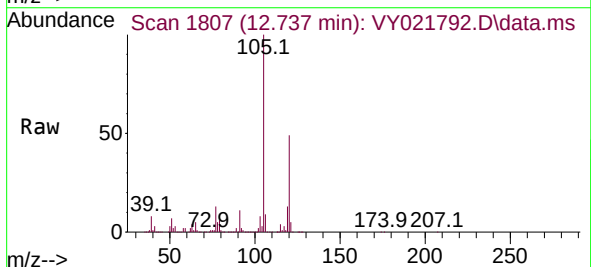
Acq: 04 Apr 2025 17:44

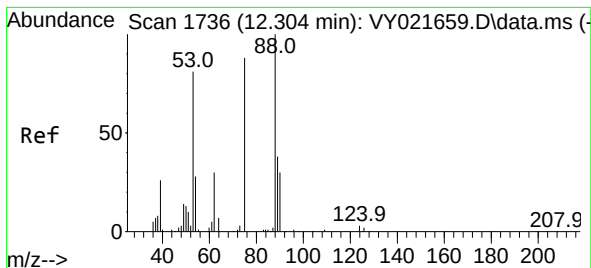
Tgt Ion: 105 Resp: 405133

Ion Ratio Lower Upper

105 100

120 48.5 24.5 73.5

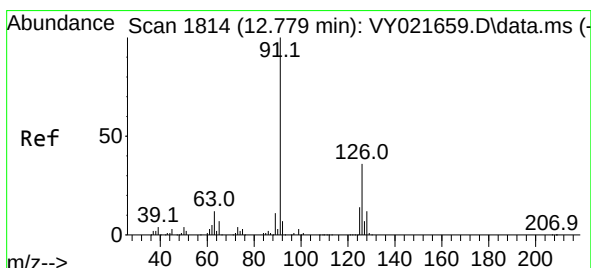
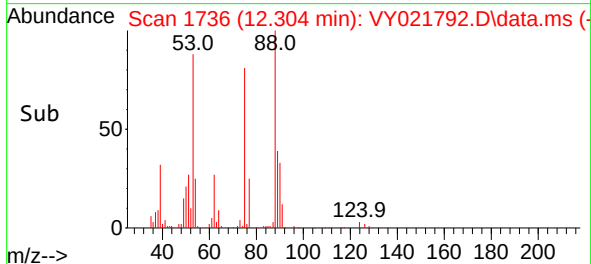
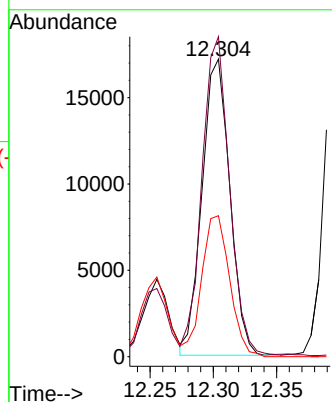
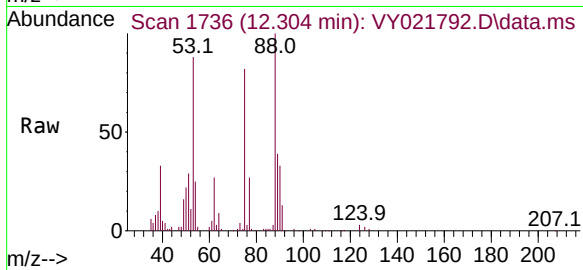




#81
trans-1,4-Dichloro-2-butene
Concen: 43.020 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

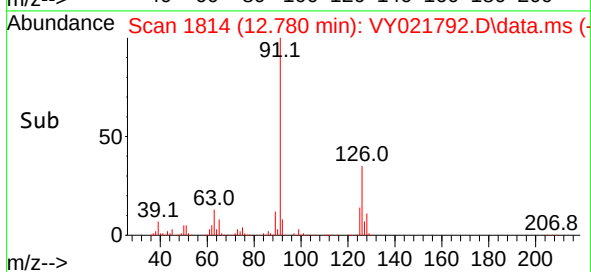
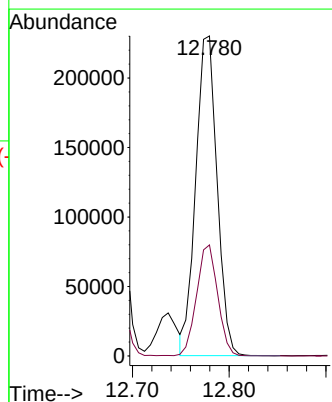
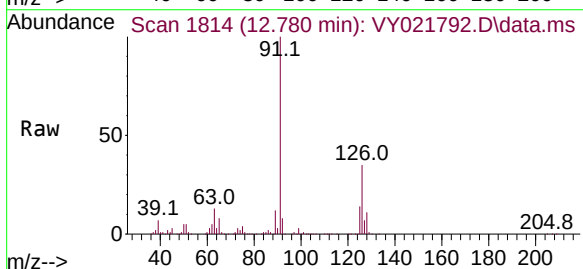
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

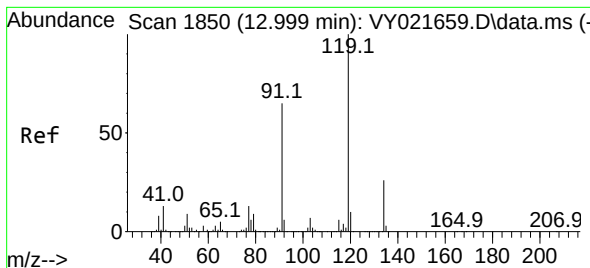
Tgt Ion: 75 Resp: 26232
Ion Ratio Lower Upper
75 100
53 107.2 76.1 114.1
89 48.1 36.2 54.4



#82
4-Chlorotoluene
Concen: 46.082 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 353167
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9

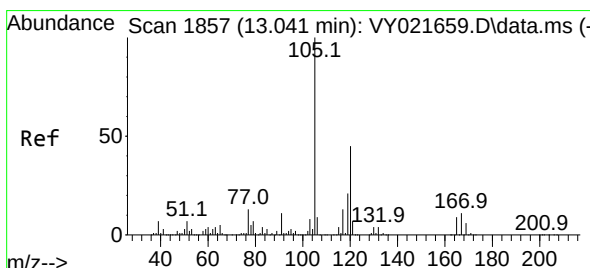
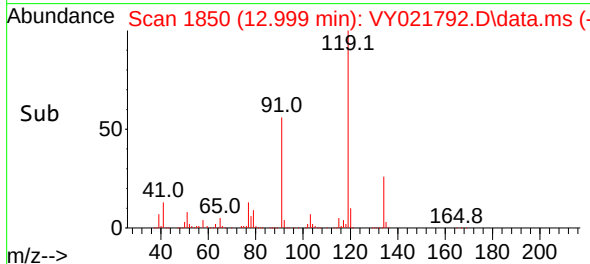
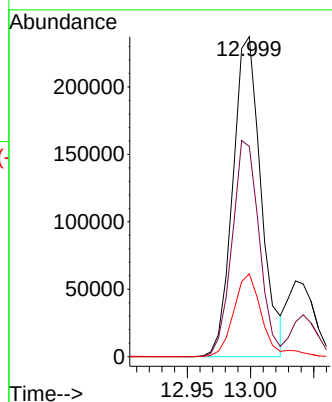
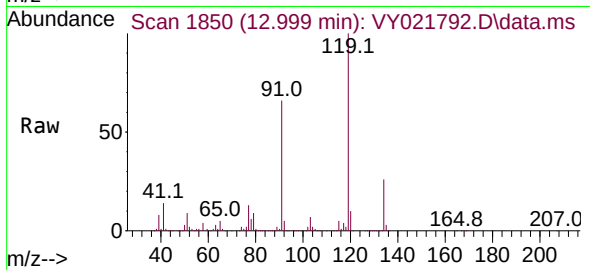




#83
tert-Butylbenzene
Concen: 48.092 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

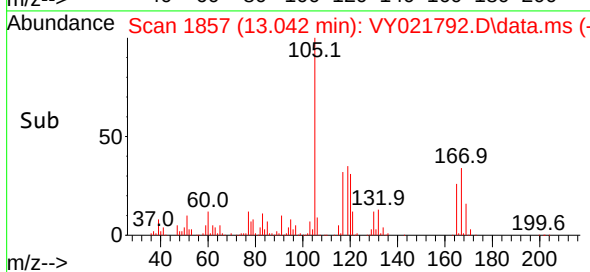
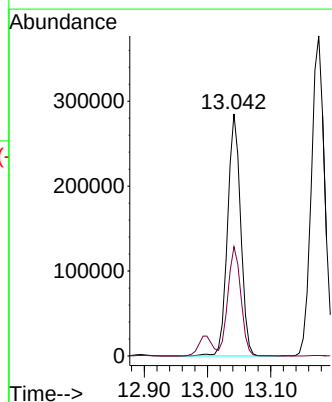
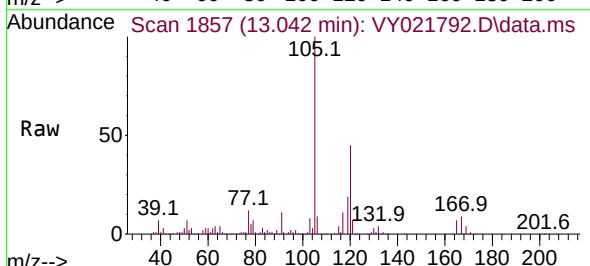
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

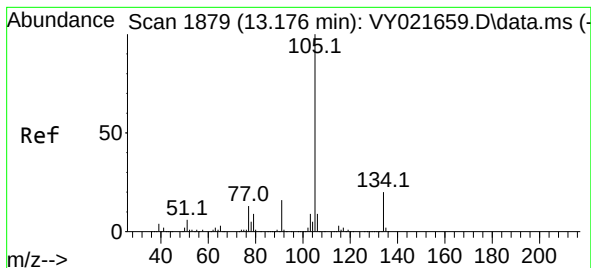
Tgt Ion:119 Resp: 368560
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.2 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 47.974 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 407964
Ion Ratio Lower Upper
105 100
120 44.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 48.717 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

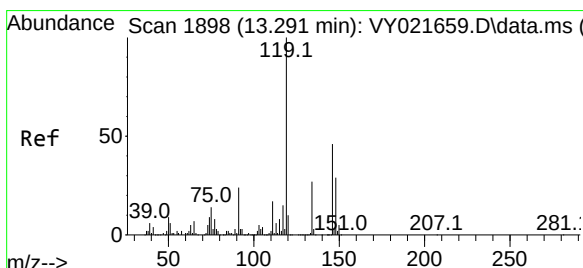
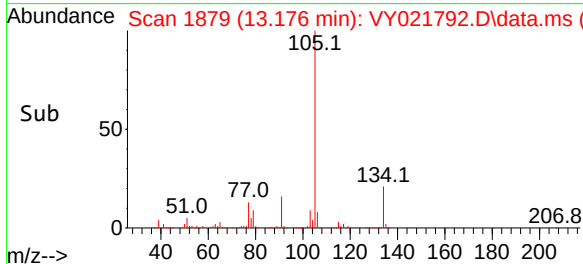
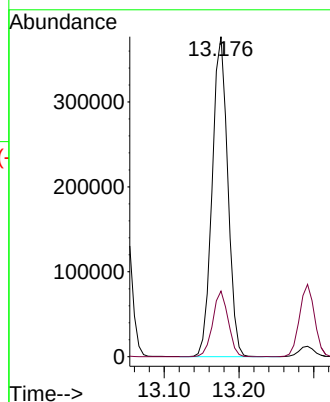
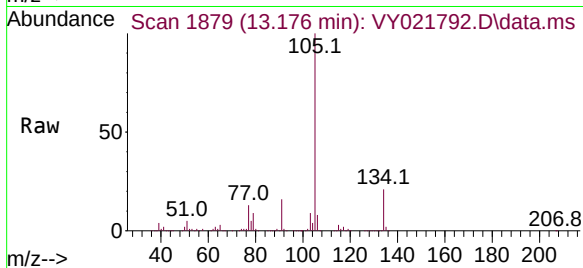
VSTDCCC050EC

Tgt Ion:105 Resp: 545612

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



#86

p-Isopropyltoluene

Concen: 48.991 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

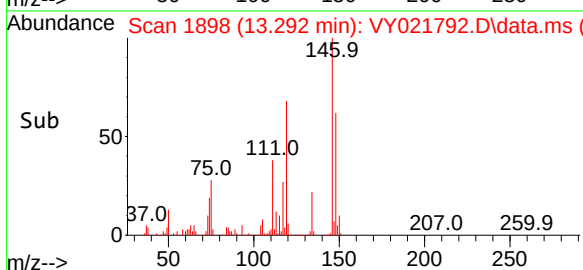
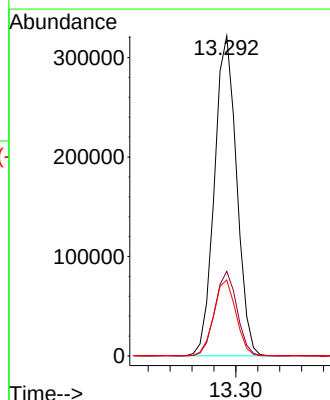
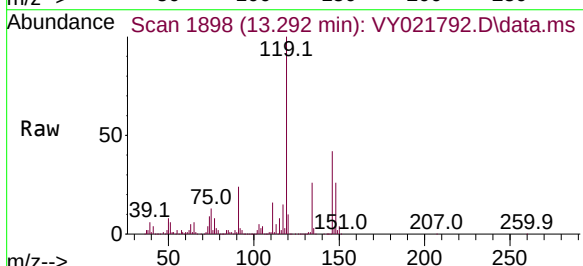
Tgt Ion:119 Resp: 453488

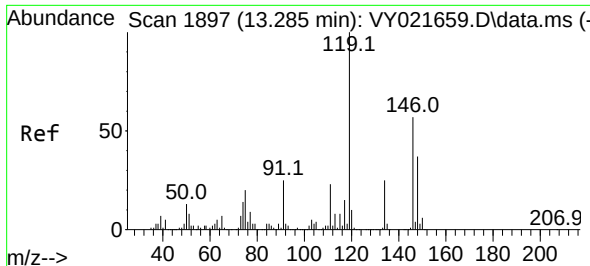
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 46.907 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

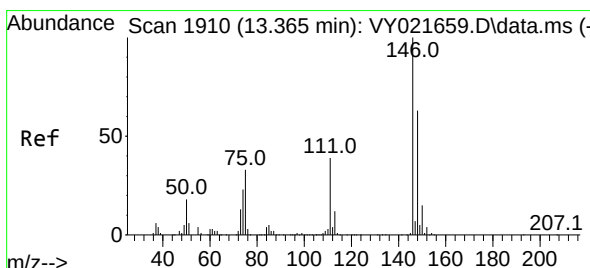
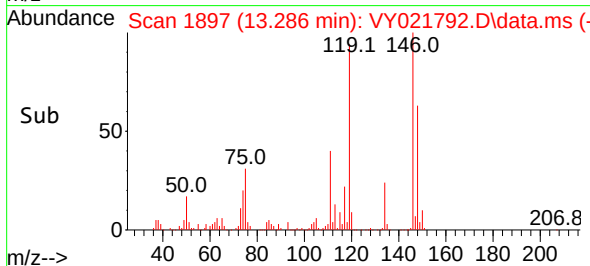
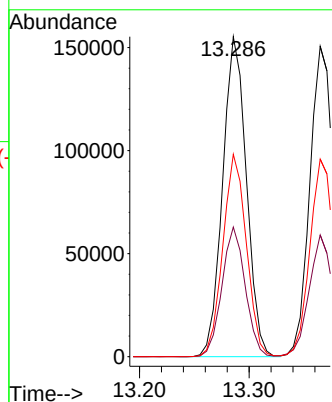
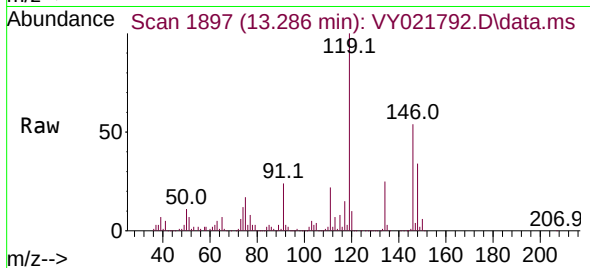
Tgt Ion:146 Resp: 233593

Ion Ratio Lower Upper

146 100

111 39.7 20.0 60.0

148 62.7 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 46.644 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

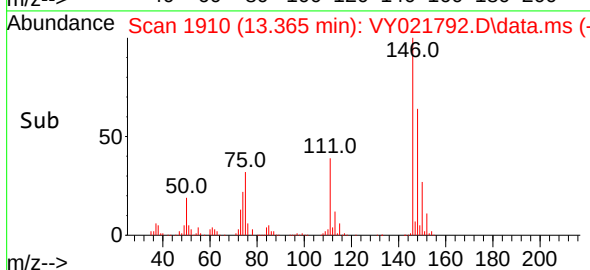
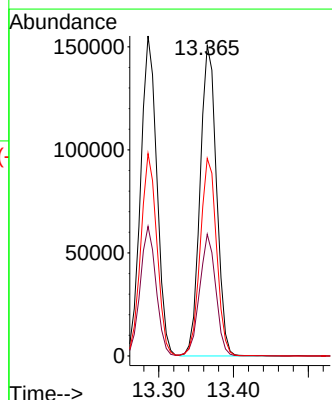
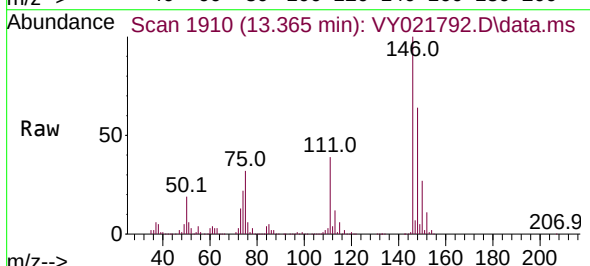
Tgt Ion:146 Resp: 229501

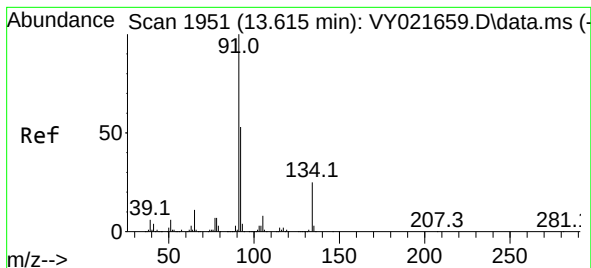
Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

148 63.5 31.5 94.5

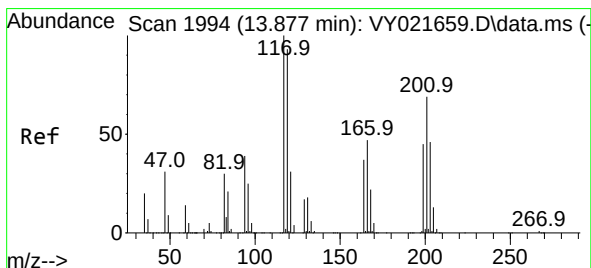
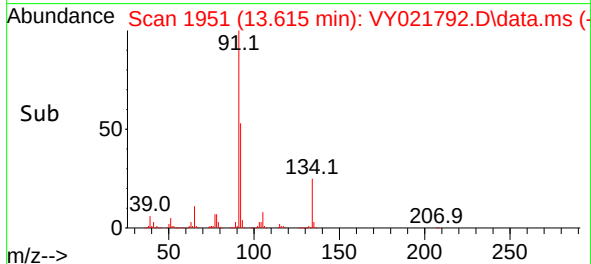
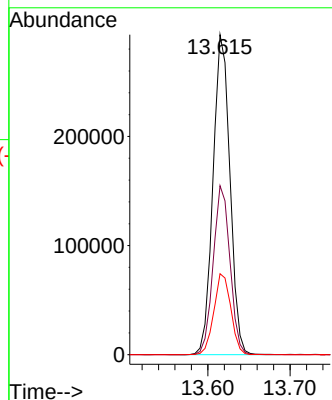
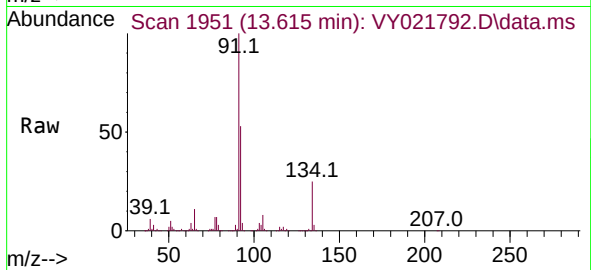




#89
n-Butylbenzene
Concen: 49.033 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

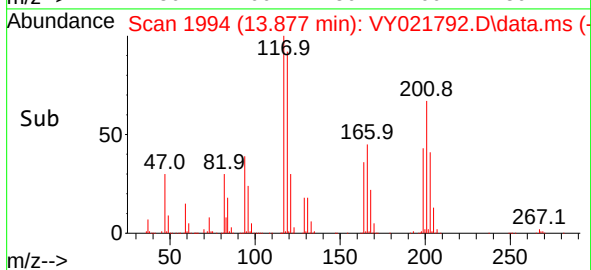
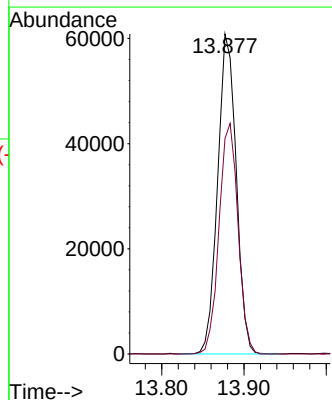
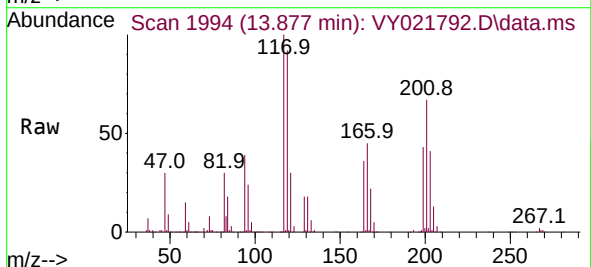
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

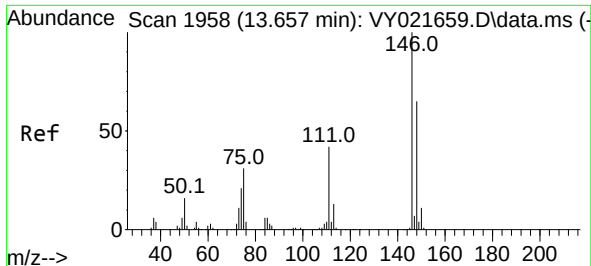
Tgt Ion: 91 Resp: 419749
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.2
134 25.4 12.8 38.4



#90
Hexachloroethane
Concen: 47.153 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 117 Resp: 95647
Ion Ratio Lower Upper
117 100
201 73.6 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 47.349 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

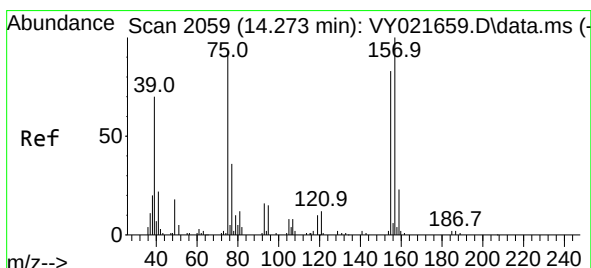
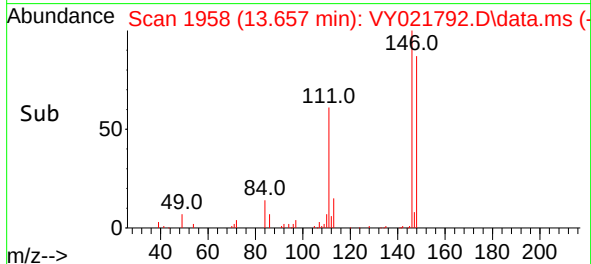
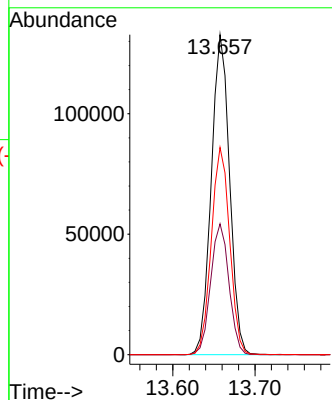
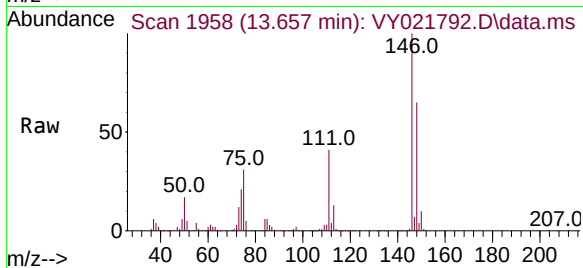
Tgt Ion:146 Resp: 205263

Ion Ratio Lower Upper

146 100

111 40.9 20.7 62.1

148 65.0 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.715 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

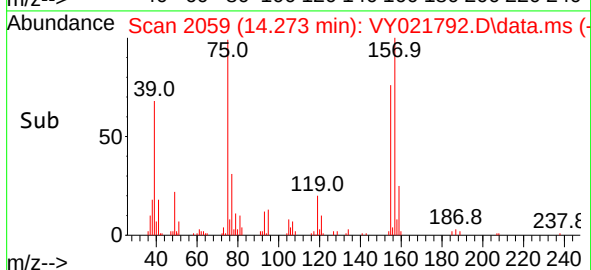
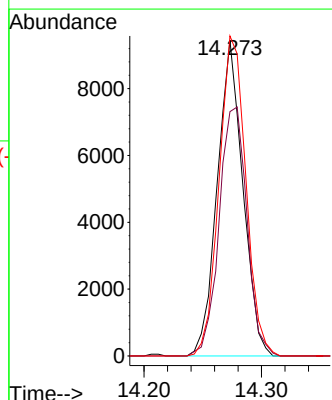
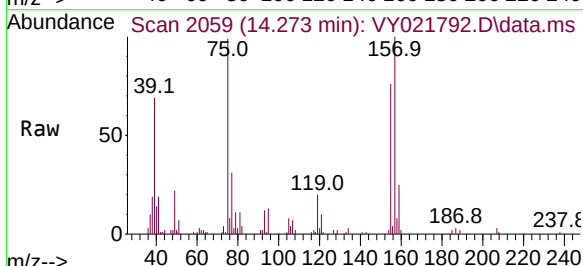
Tgt Ion: 75 Resp: 14291

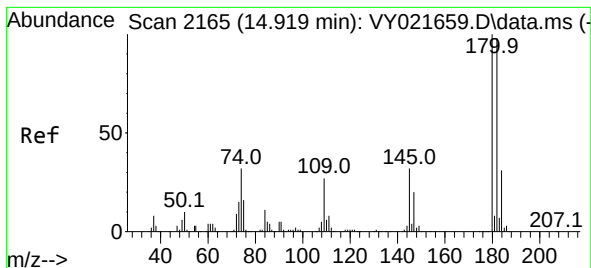
Ion Ratio Lower Upper

75 100

155 85.4 43.0 128.8

157 105.9 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 50.055 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021792.D

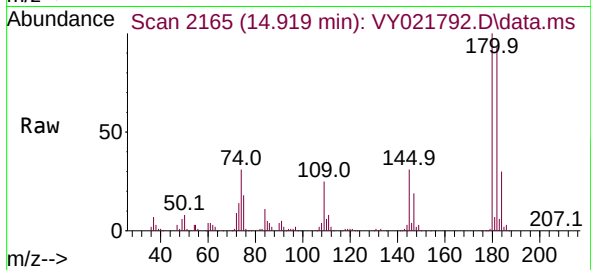
Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



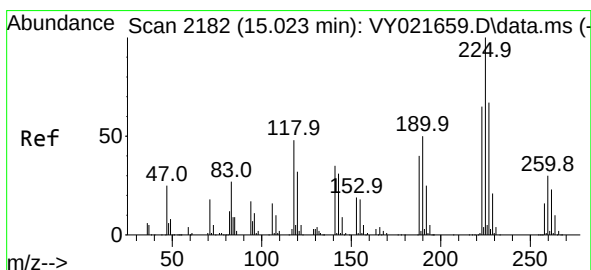
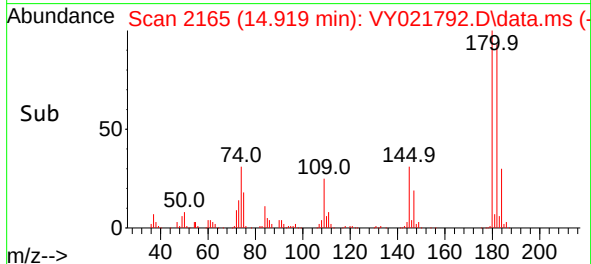
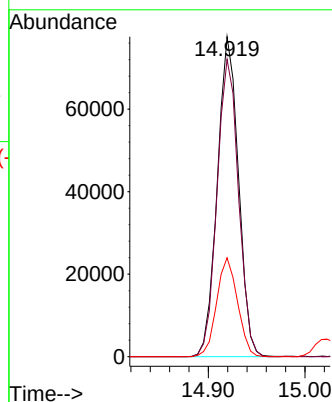
Tgt Ion:180 Resp: 117675

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.6

145 30.4 14.9 44.9



#94

Hexachlorobutadiene

Concen: 50.768 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

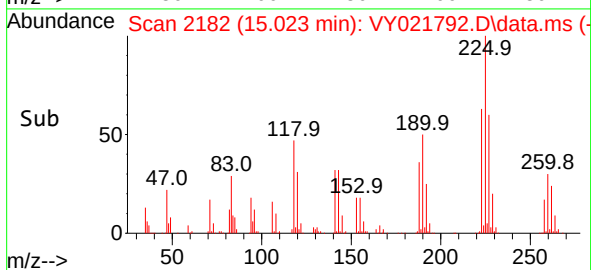
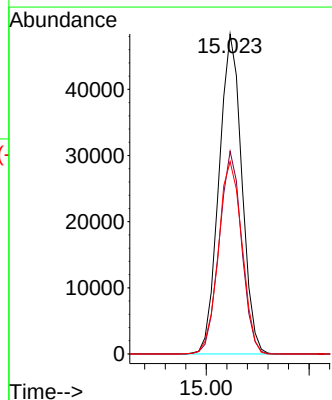
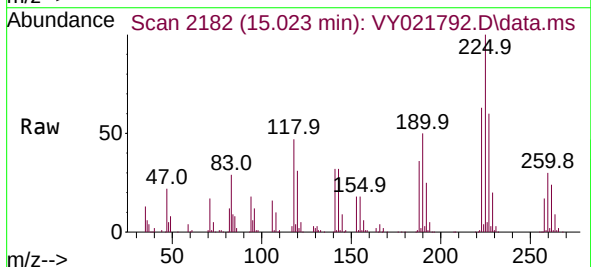
Tgt Ion:225 Resp: 74539

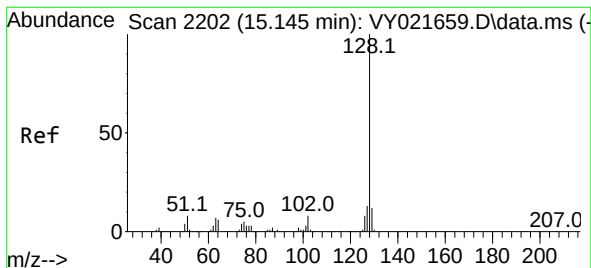
Ion Ratio Lower Upper

225 100

223 62.0 31.9 95.7

227 62.2 32.4 97.0





#95

Naphthalene

Concen: 54.294 ug/l

RT: 15.145 min Scan# 211567

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

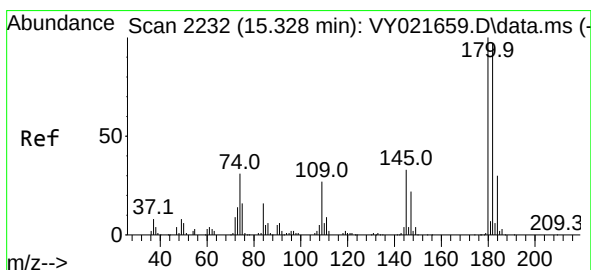
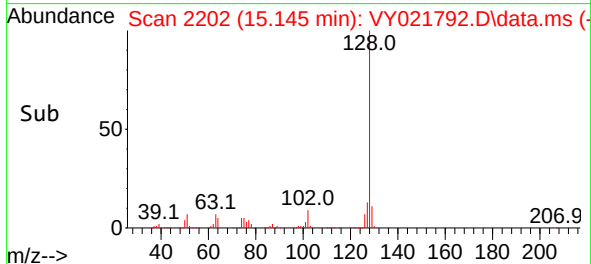
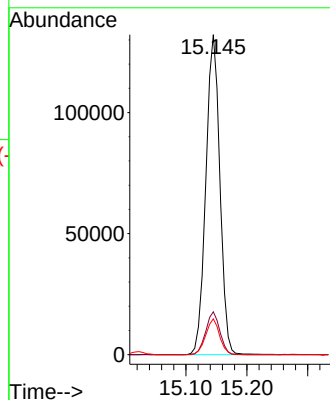
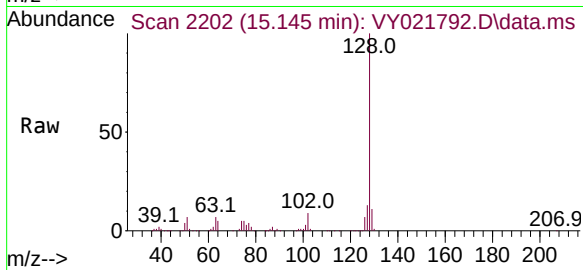
Tgt Ion:128 Resp: 211567

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 51.591 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021792.D

Acq: 04 Apr 2025 17:44

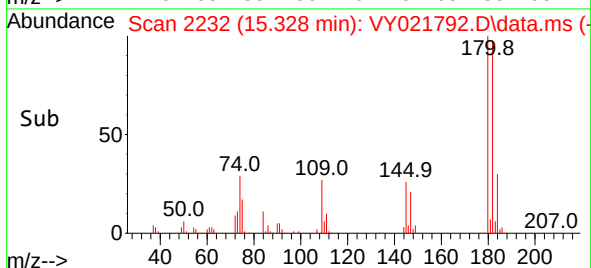
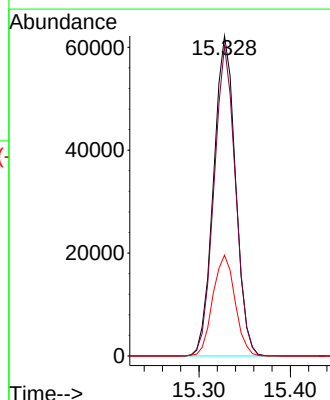
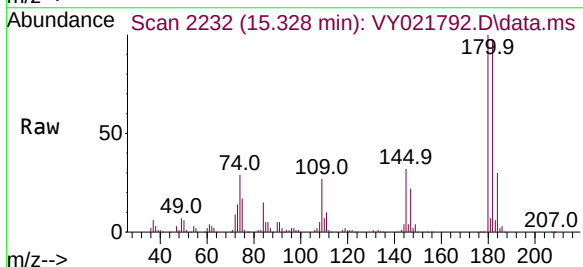
Tgt Ion:180 Resp: 103426

Ion Ratio Lower Upper

180 100

182 94.9 47.5 142.5

145 31.9 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021794.D
 Acq On : 07 Apr 2025 09:10
 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: Apr 08 03:30:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153287	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	47.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.160%
35) Dibromofluoromethane	7.634	113	110409	50.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.020%
50) Toluene-d8	10.109	98	430269	51.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.408	95	146026	51.914	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	101543	43.574	ug/l	99
3) Chloromethane	2.068	50	144626	44.137	ug/l	99
4) Vinyl Chloride	2.202	62	168210	45.392	ug/l	100
5) Bromomethane	2.598	94	103733	41.042	ug/l	96
6) Chloroethane	2.733	64	109653	45.220	ug/l	96
7) Trichlorofluoromethane	3.056	101	219440	46.226	ug/l	96
8) Diethyl Ether	3.452	74	56166	43.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	116067	46.358	ug/l	99
10) Methyl Iodide	4.007	142	134960	49.135	ug/l	99
11) Tert butyl alcohol	4.854	59	31101	196.563	ug/l	98
12) 1,1-Dichloroethene	3.793	96	110572	46.887	ug/l	98
13) Acrolein	3.647	56	21903	75.813	ug/l	98
14) Allyl chloride	4.385	41	173690	46.193	ug/l	99
15) Acrylonitrile	5.061	53	116368	215.889	ug/l	98
16) Acetone	3.866	43	129207	259.165	ug/l	96
17) Carbon Disulfide	4.104	76	350105	45.073	ug/l	98
18) Methyl Acetate	4.385	43	61273	49.589	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	264988	45.133	ug/l	99
20) Methylene Chloride	4.616	84	117747	48.120	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	123247	47.466	ug/l	95
22) Diisopropyl ether	6.019	45	375600	47.619	ug/l	99
23) Vinyl Acetate	5.958	43	1018936	220.822	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223308	47.347	ug/l	99
25) 2-Butanone	6.890	43	163207	229.196	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202427	48.250	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	140137	47.992	ug/l	98
28) Bromochloromethane	7.244	49	92565	46.536	ug/l	100
29) Tetrahydrofuran	7.262	42	98557	215.053	ug/l	98
30) Chloroform	7.421	83	233479	47.595	ug/l	99
31) Cyclohexane	7.701	56	191520	44.546	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	209391	47.227	ug/l	98
36) 1,1-Dichloropropene	7.835	75	168291	50.545	ug/l	99
37) Ethyl Acetate	6.982	43	69534	44.251	ug/l	98
38) Carbon Tetrachloride	7.817	117	193545	50.753	ug/l	98
39) Methylcyclohexane	9.109	83	194442	48.886	ug/l	99
40) Benzene	8.079	78	501796	50.325	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021794.D
 Acq On : 07 Apr 2025 09:10
 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: Apr 08 03:30:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35618	42.682	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	135660	48.260	ug/l	99
43) Isopropyl Acetate	8.195	43	133660	44.885	ug/l #	87
44) Trichloroethene	8.866	130	131643	51.817	ug/l	96
45) 1,2-Dichloropropane	9.140	63	117612	49.831	ug/l	99
46) Dibromomethane	9.231	93	65338	48.034	ug/l	98
47) Bromodichloromethane	9.426	83	174186	49.419	ug/l	100
48) Methyl methacrylate	9.219	41	64853	47.453	ug/l	95
49) 1,4-Dioxane	9.231	88	13646	936.467	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	360893	232.887	ug/l	100
52) Toluene	10.170	92	319169	51.304	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	155920	49.804	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	185476	50.219	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	86004	49.131	ug/l	98
56) Ethyl methacrylate	10.445	69	109189	48.850	ug/l	98
57) 1,3-Dichloropropane	10.719	76	149100	49.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	282136	258.748	ug/l	100
59) 2-Hexanone	10.762	43	251244	243.444	ug/l	100
60) Dibromochloromethane	10.914	129	118885	49.743	ug/l	99
61) 1,2-Dibromoethane	11.018	107	80014	48.727	ug/l	99
64) Tetrachloroethene	10.646	164	148740	54.654	ug/l	98
65) Chlorobenzene	11.444	112	341961	49.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	121265	49.897	ug/l	98
67) Ethyl Benzene	11.524	91	607101	51.687	ug/l	100
68) m/p-Xylenes	11.633	106	467260	103.887	ug/l	100
69) o-Xylene	11.957	106	215626	51.935	ug/l	98
70) Styrene	11.969	104	364462	52.649	ug/l	99
71) Bromoform	12.133	173	68597	49.483	ug/l #	99
73) Isopropylbenzene	12.255	105	575416	50.541	ug/l	99
74) N-amyl acetate	12.072	43	115291	43.148	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85563	41.800	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	125066	82.309	ug/l #	100
77) Bromobenzene	12.536	156	134854	49.332	ug/l	97
78) n-propylbenzene	12.597	91	700624	51.186	ug/l	100
79) 2-Chlorotoluene	12.682	91	394135	49.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	470123	50.524	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	30461	46.192	ug/l	97
82) 4-Chlorotoluene	12.780	91	405107	48.877	ug/l	98
83) tert-Butylbenzene	12.999	119	409458	49.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	473400	51.475	ug/l	99
85) sec-Butylbenzene	13.176	105	612188	50.544	ug/l	100
86) p-Isopropyltoluene	13.292	119	516598	51.605	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	268145	49.789	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	258781	48.633	ug/l	99
89) n-Butylbenzene	13.621	91	467407	50.487	ug/l	100
90) Hexachloroethane	13.883	117	106174	48.399	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	230830	49.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14186	44.715	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	125306	49.286	ug/l	99
94) Hexachlorobutadiene	15.029	225	76368	48.096	ug/l	99
95) Naphthalene	15.151	128	198442	47.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	105317	48.577	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

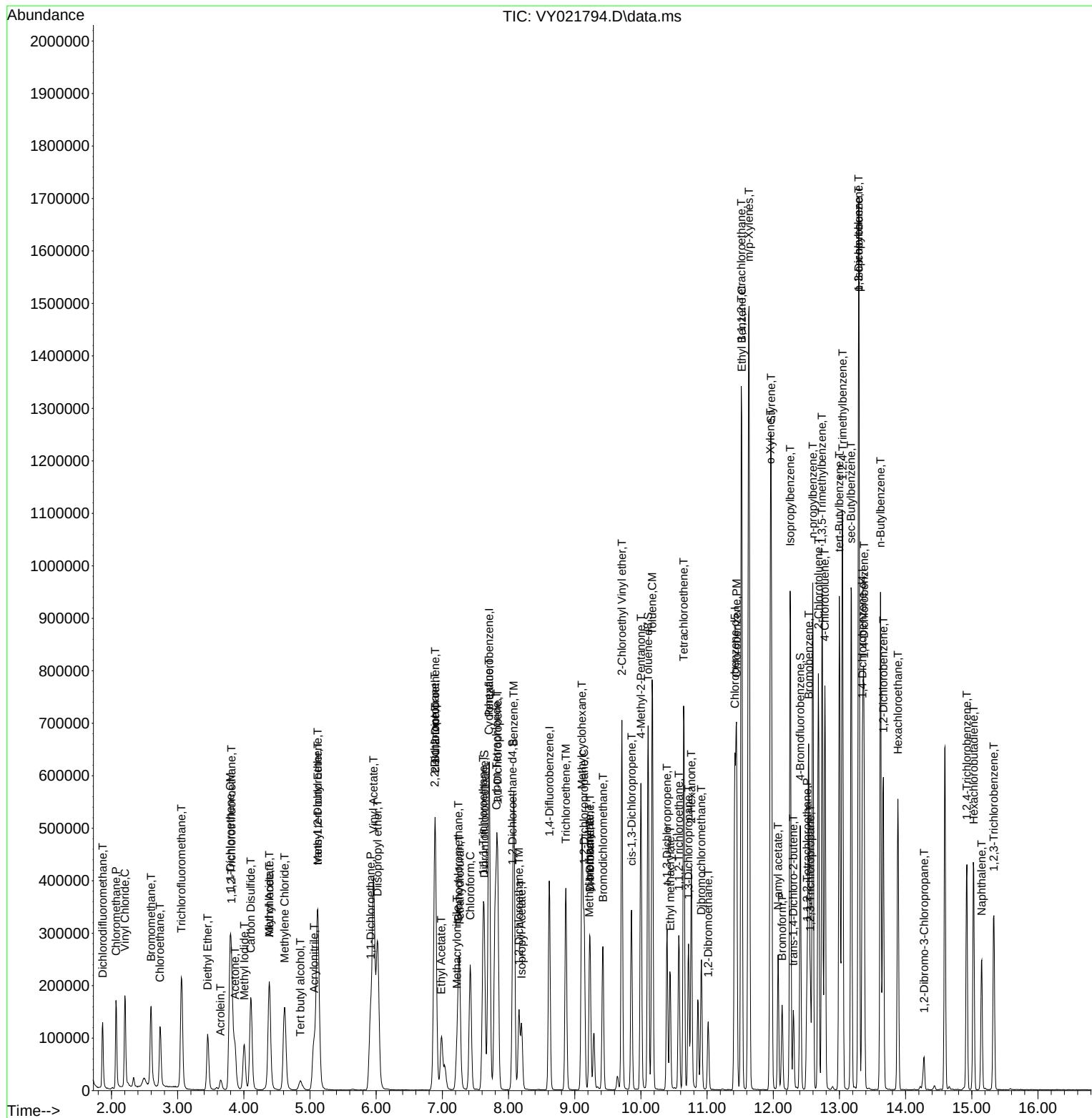
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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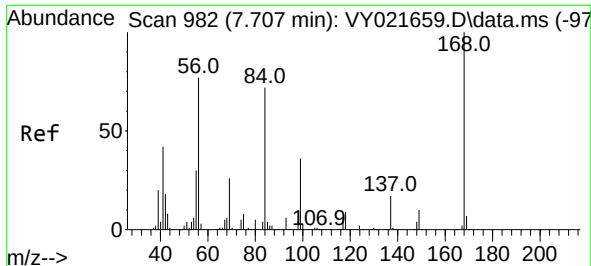
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

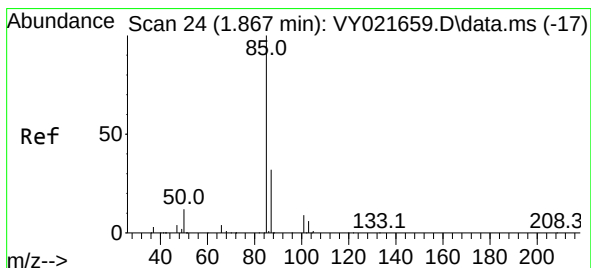
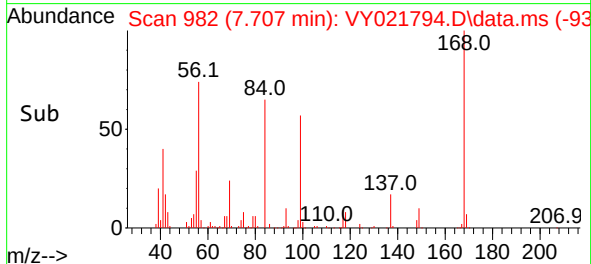
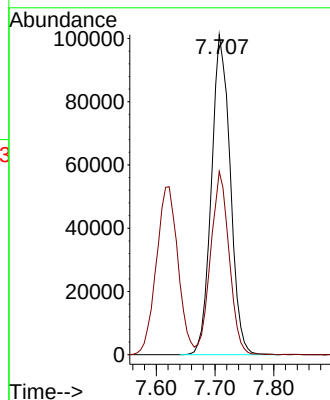
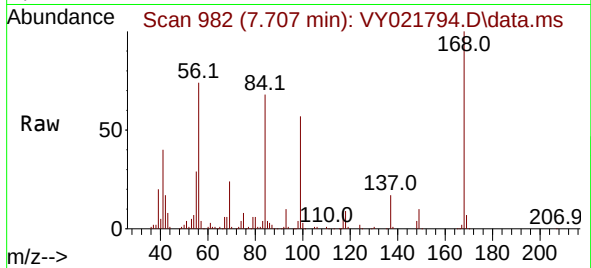




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

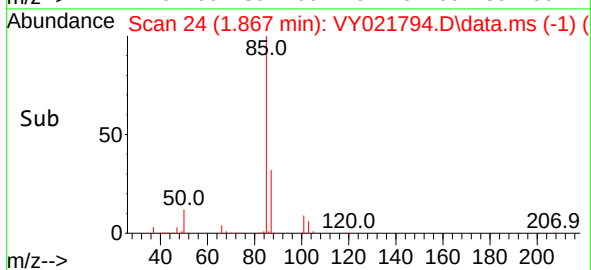
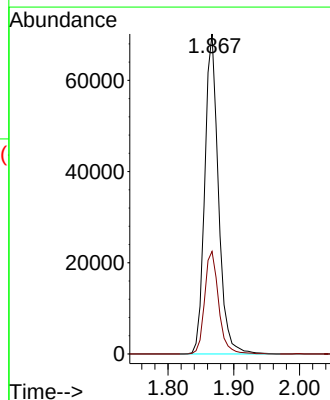
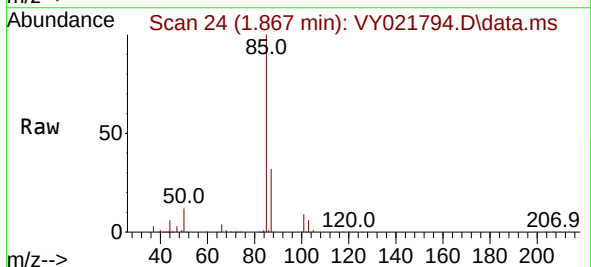
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

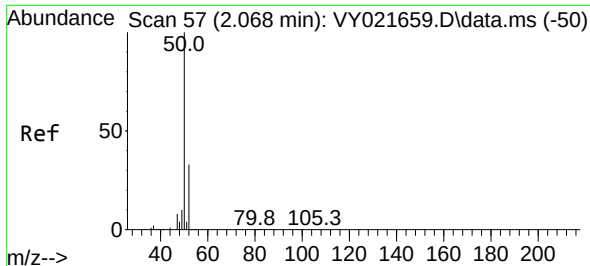
Tgt Ion:168 Resp: 224832
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 43.574 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 85 Resp: 101543
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6

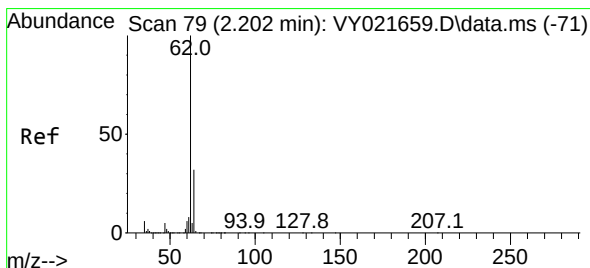
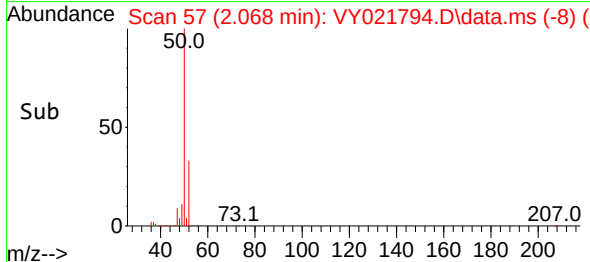
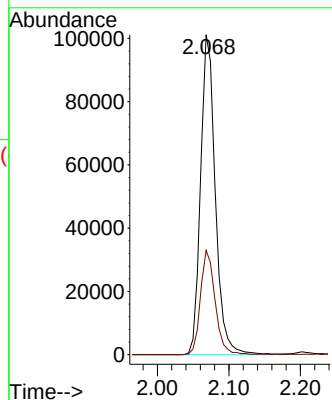
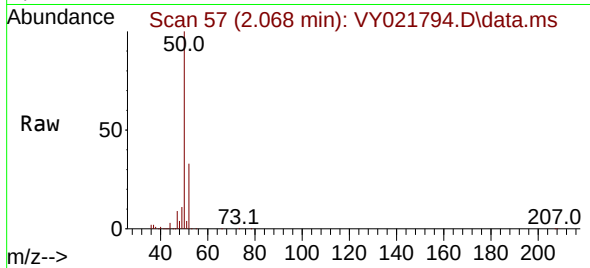




#3
Chloromethane
Concen: 44.137 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

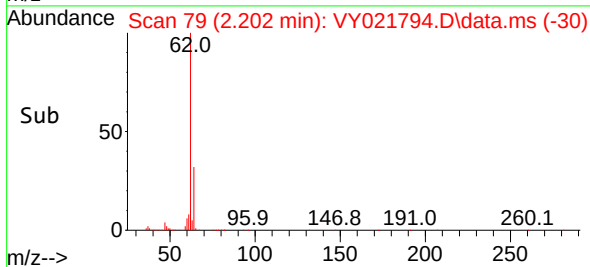
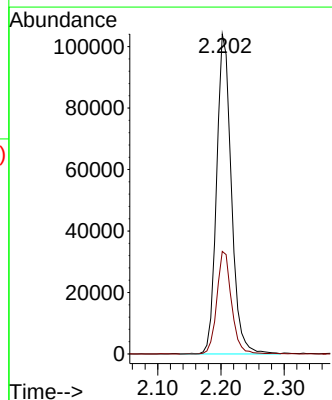
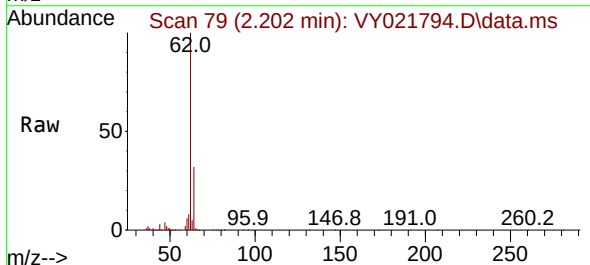
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

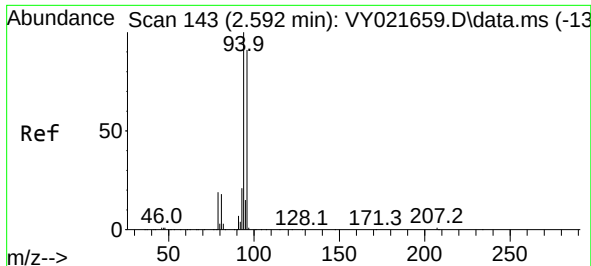
Tgt Ion: 50 Resp: 144626
Ion Ratio Lower Upper
50 100
52 32.6 26.3 39.5



#4
Vinyl Chloride
Concen: 45.392 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 62 Resp: 168210
Ion Ratio Lower Upper
62 100
64 32.0 25.5 38.3

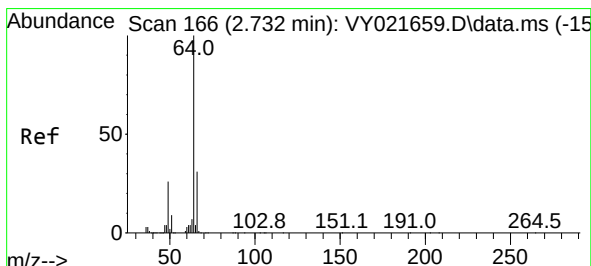
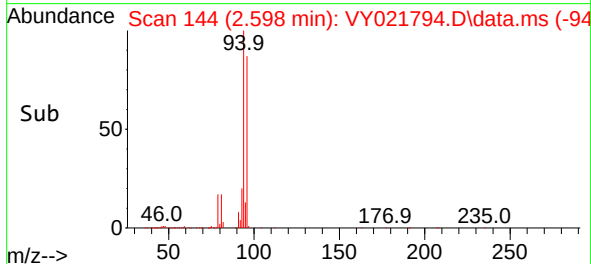
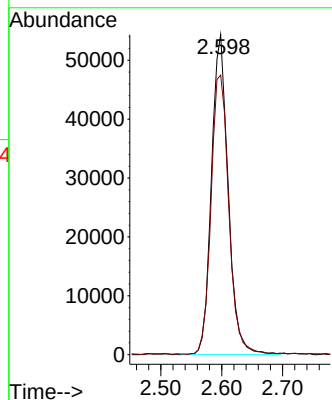
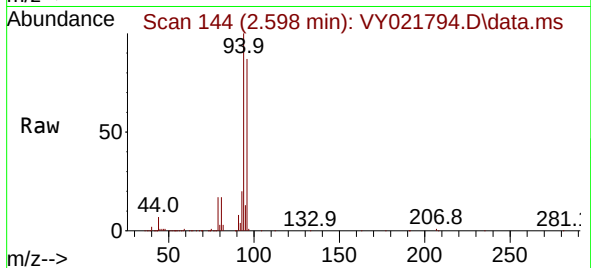




#5
Bromomethane
Concen: 41.042 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

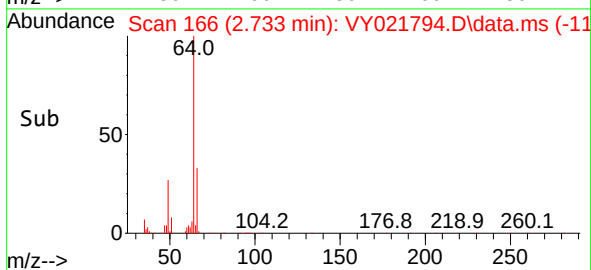
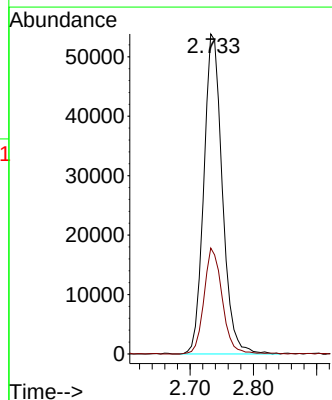
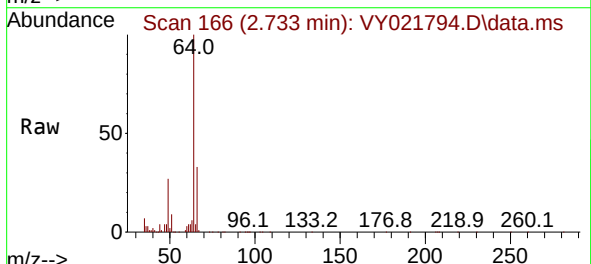
Instrument :
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ClientSampleId :
VSTDCCC050

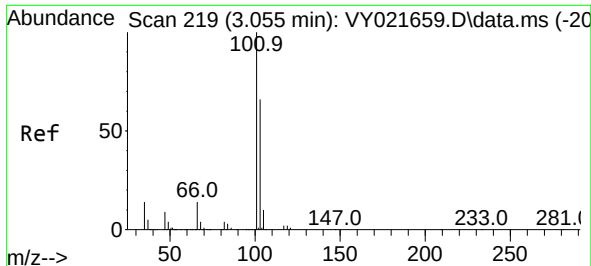
Tgt Ion: 94 Resp: 103733
Ion Ratio Lower Upper
94 100
96 87.1 72.8 109.2



#6
Chloroethane
Concen: 45.220 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 64 Resp: 109653
Ion Ratio Lower Upper
64 100
66 33.1 24.9 37.3

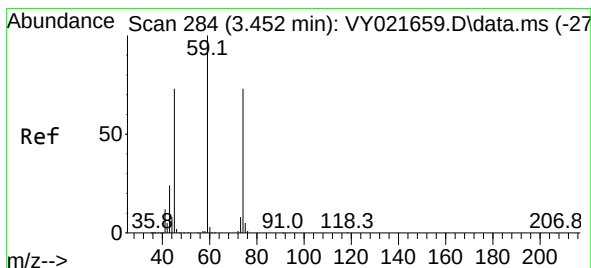
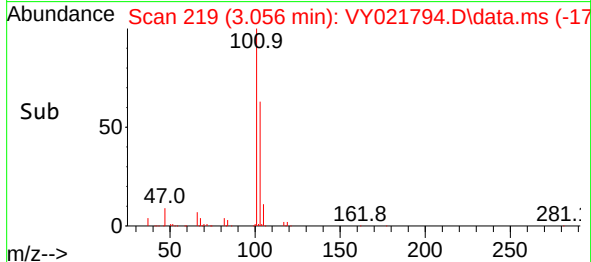
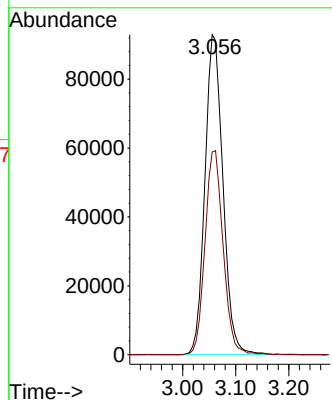
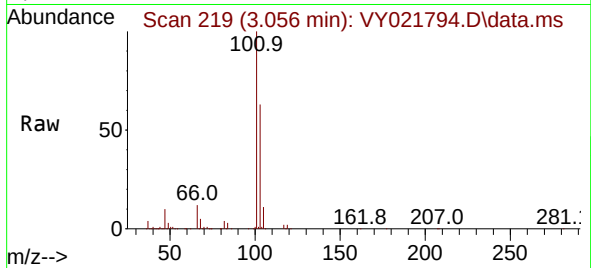




#7
 Trichlorofluoromethane
 Concen: 46.226 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

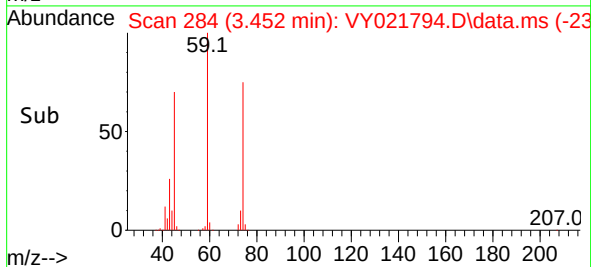
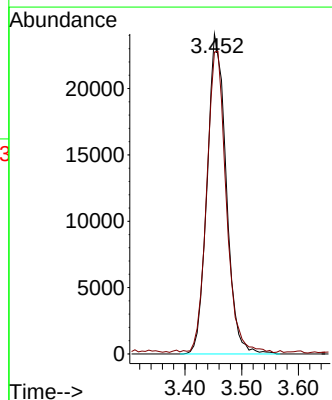
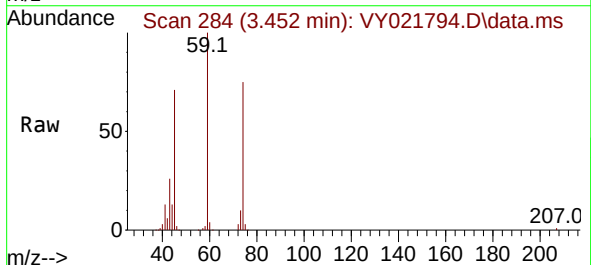
Instrument :
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 ClientSampleId :
 VSTDCCC050

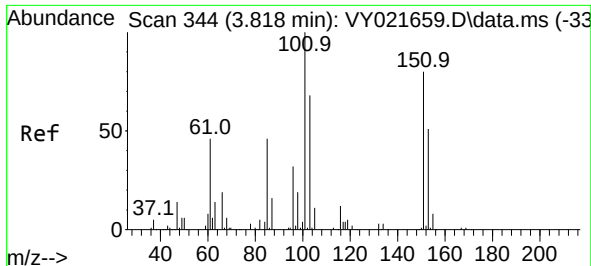
Tgt Ion:101 Resp: 219440
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7



#8
 Diethyl Ether
 Concen: 43.508 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

Tgt Ion: 74 Resp: 56166
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.6 145.8

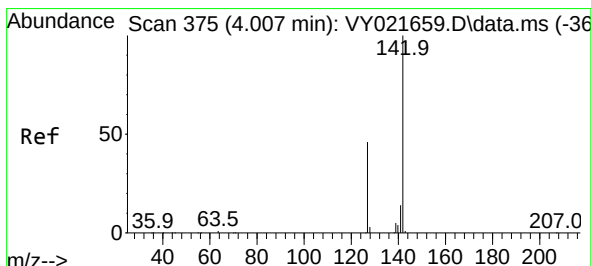
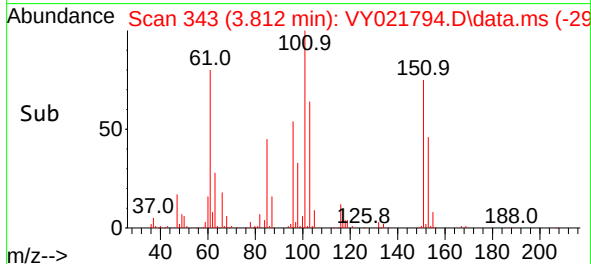
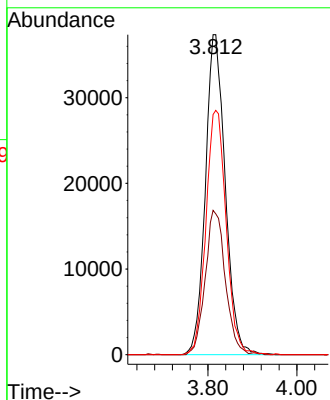
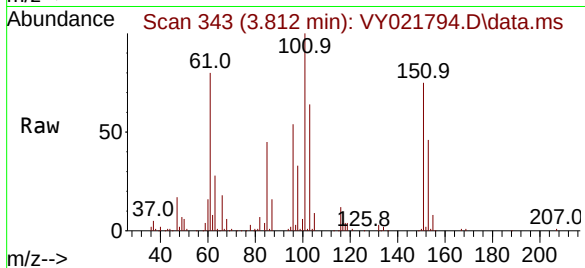




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.358 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

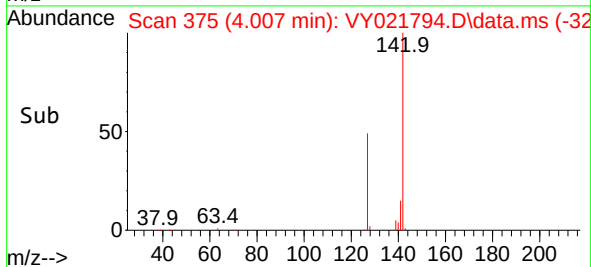
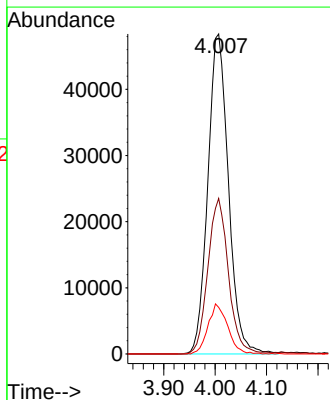
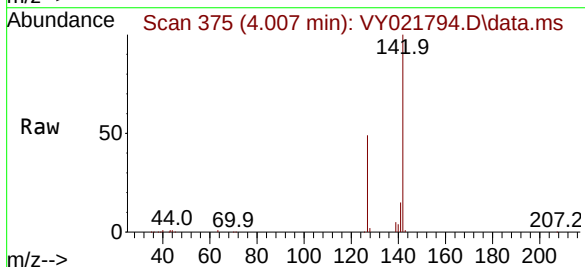
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

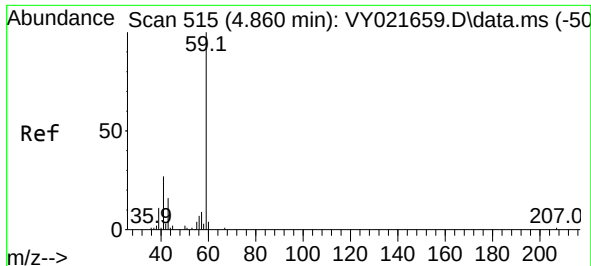
Tgt Ion:101 Resp: 116067
Ion Ratio Lower Upper
101 100
85 45.7 36.3 54.5
151 77.8 61.3 91.9



#10
Methyl Iodide
Concen: 49.135 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:142 Resp: 134960
Ion Ratio Lower Upper
142 100
127 48.6 38.7 58.1
141 14.9 11.5 17.3

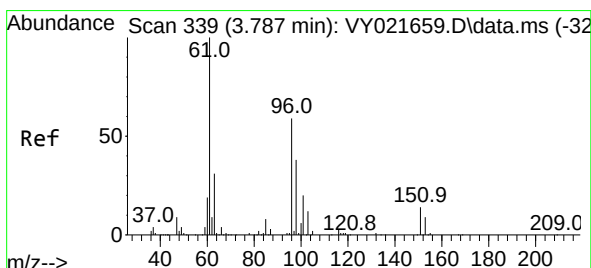
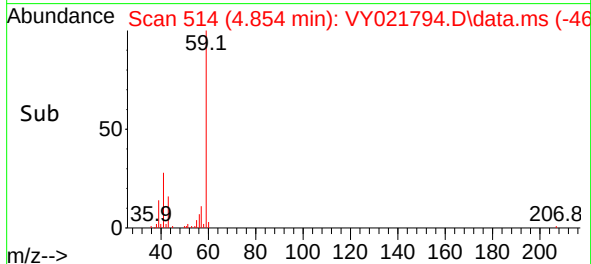
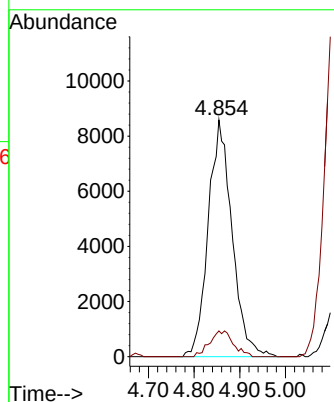
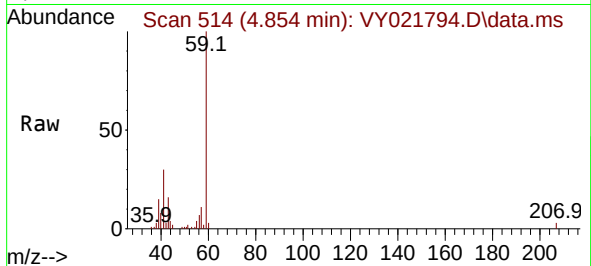




#11
Tert butyl alcohol
Concen: 196.563 ug/l
RT: 4.854 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

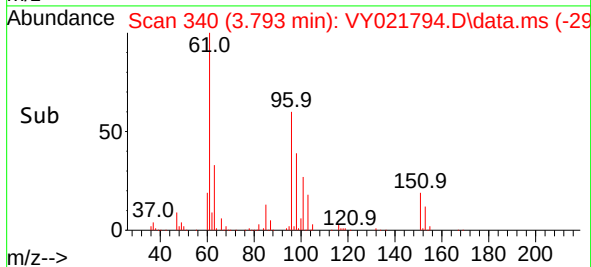
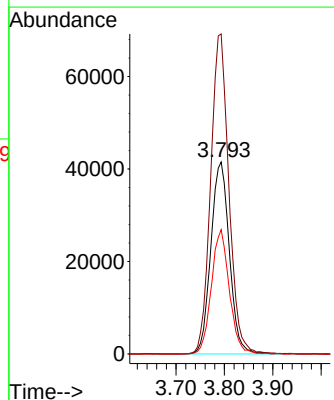
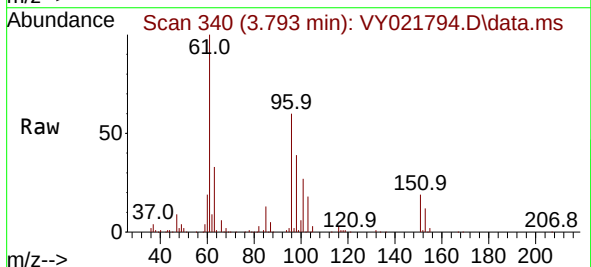
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

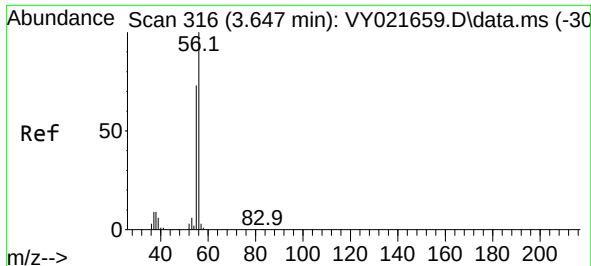
Tgt Ion: 59 Resp: 31101
Ion Ratio Lower Upper
59 100
57 10.9 9.2 13.8



#12
1,1-Dichloroethene
Concen: 46.887 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 96 Resp: 110572
Ion Ratio Lower Upper
96 100
61 166.7 136.6 204.8
98 64.7 52.3 78.5





#13

Acrolein

Concen: 75.813 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

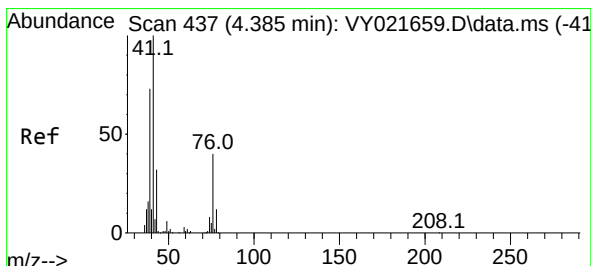
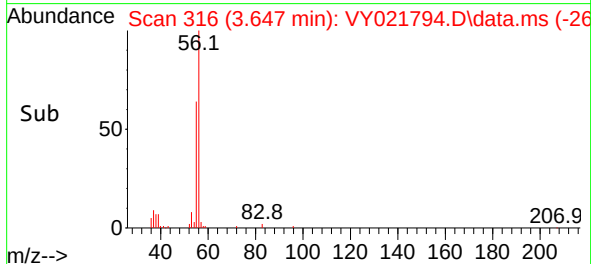
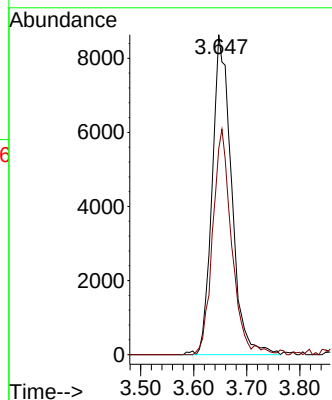
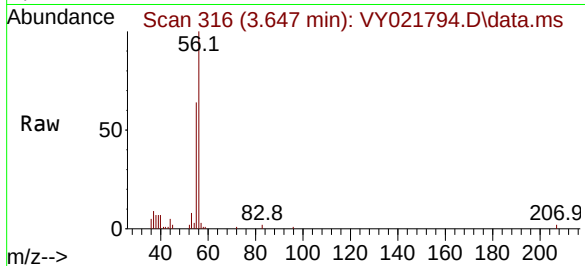
VSTDCCC050

Tgt Ion: 56 Resp: 21903

Ion Ratio Lower Upper

56 100

55 69.3 56.6 85.0



#14

Allyl chloride

Concen: 46.193 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

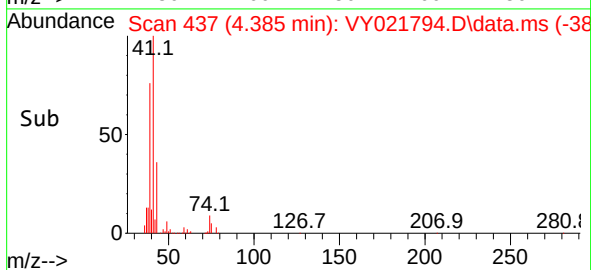
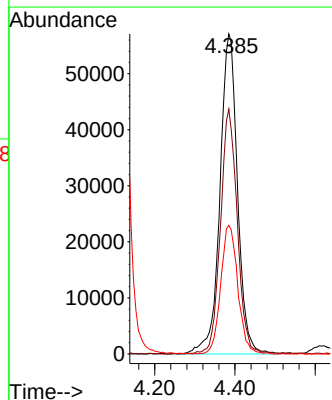
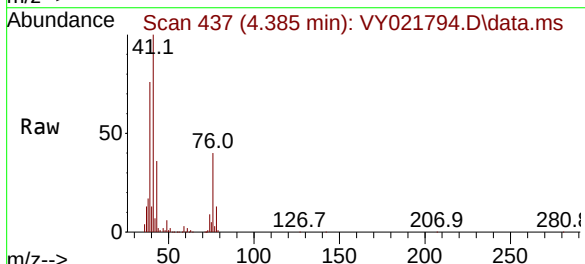
Tgt Ion: 41 Resp: 173690

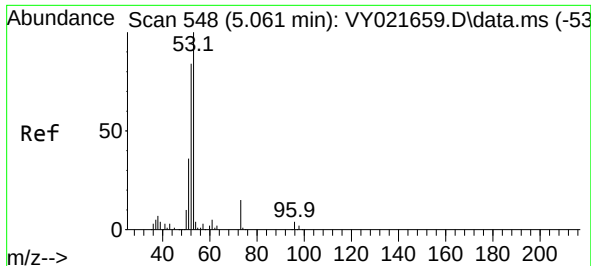
Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 39.1 30.3 45.5

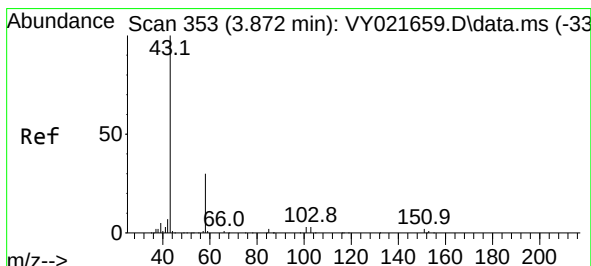
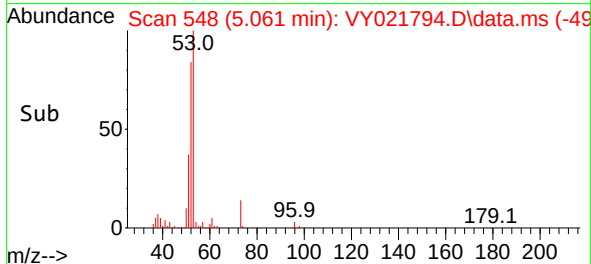
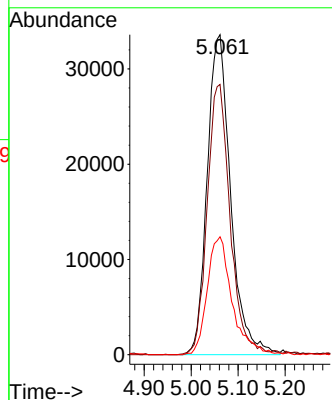
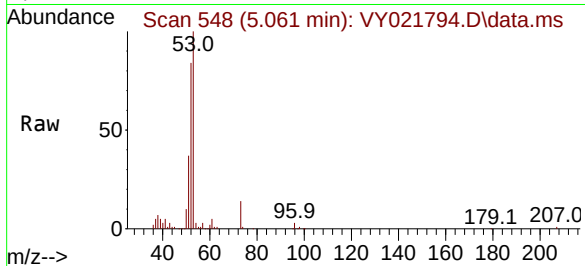




#15
Acrylonitrile
Concen: 215.889 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

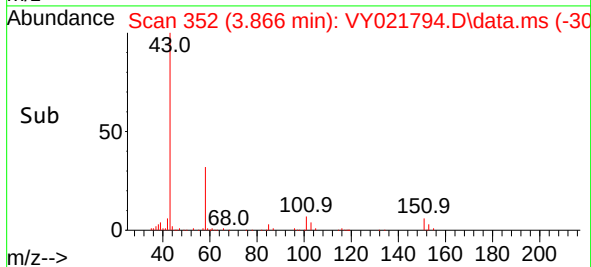
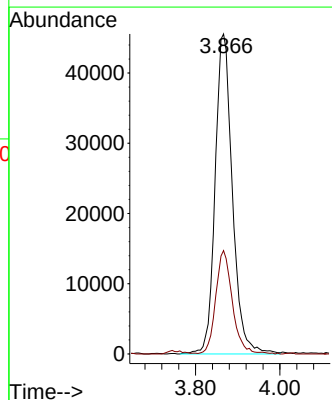
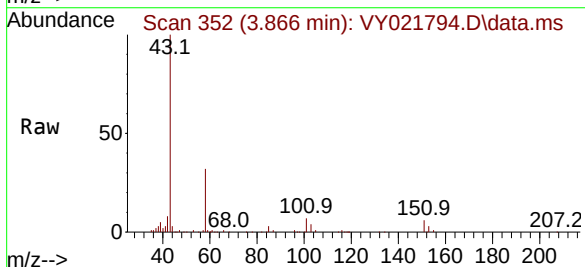
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

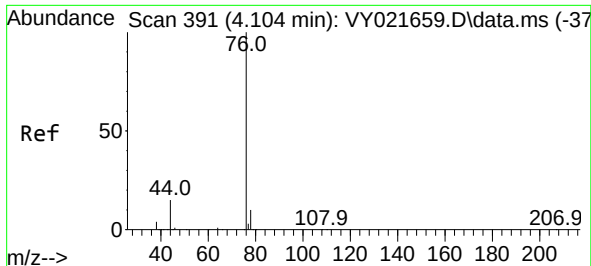
Tgt Ion: 53 Resp: 116368
Ion Ratio Lower Upper
53 100
52 82.5 64.9 97.3
51 39.1 30.2 45.2



#16
Acetone
Concen: 259.165 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 129207
Ion Ratio Lower Upper
43 100
58 32.3 24.2 36.4

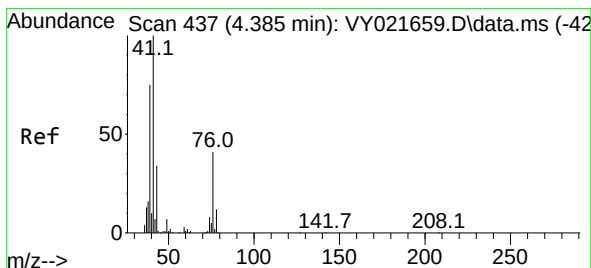
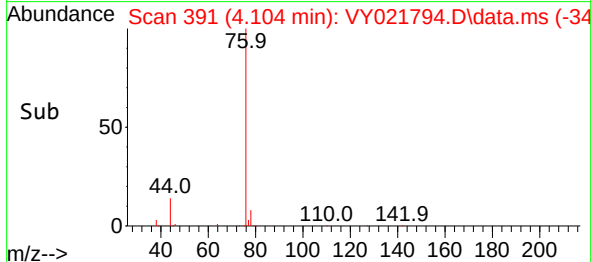
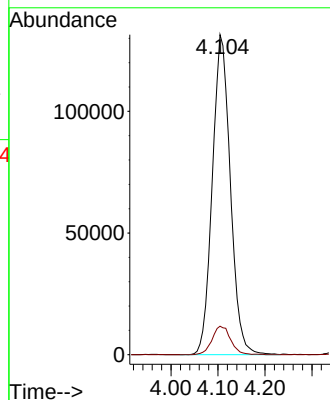
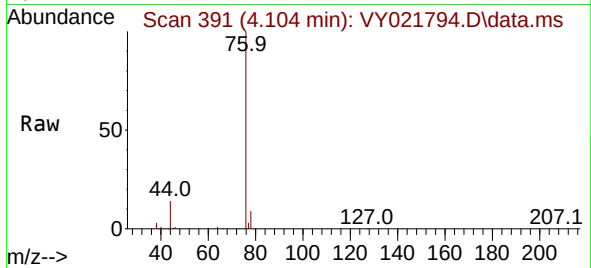




#17
Carbon Disulfide
Concen: 45.073 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

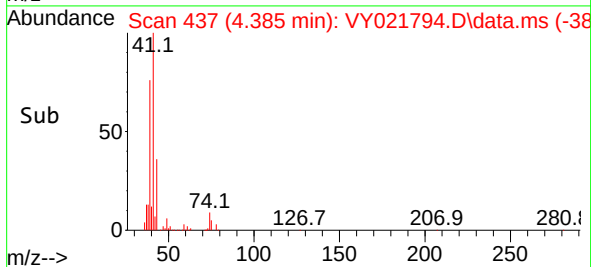
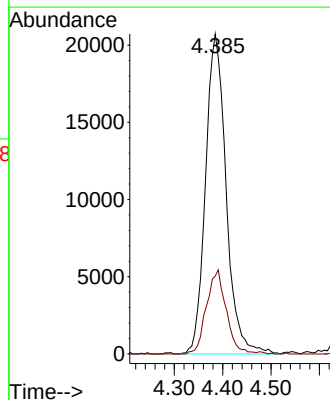
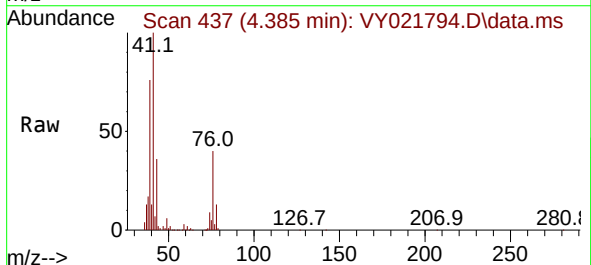
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

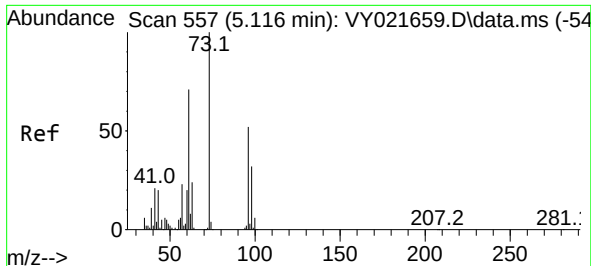
Tgt Ion: 76 Resp: 350105
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#18
Methyl Acetate
Concen: 49.589 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 61273
Ion Ratio Lower Upper
43 100
74 25.1 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 45.133 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

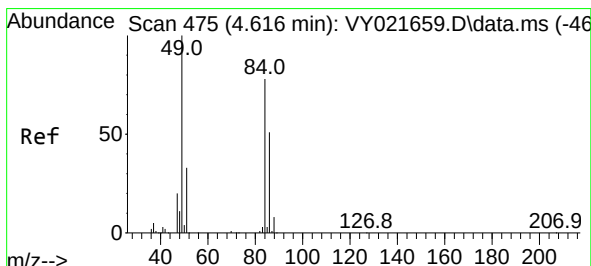
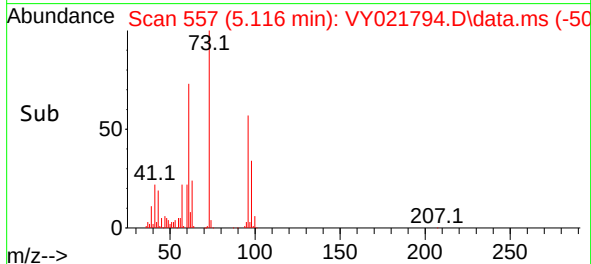
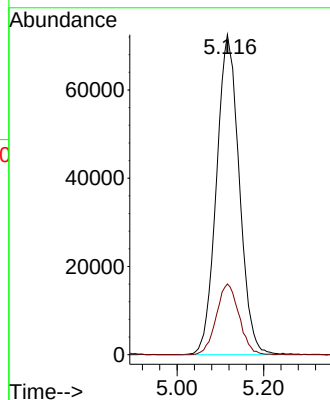
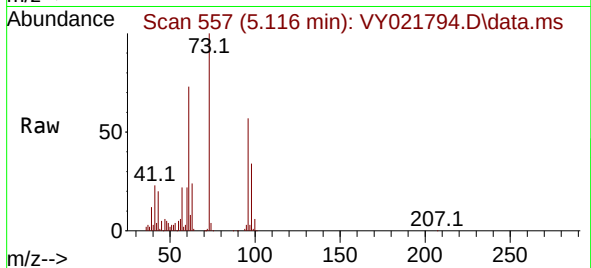
VSTDCCC050

Tgt Ion: 73 Resp: 264988

Ion Ratio Lower Upper

73 100

57 22.1 18.1 27.1



#20

Methylene Chloride

Concen: 48.120 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion: 84 Resp: 117747

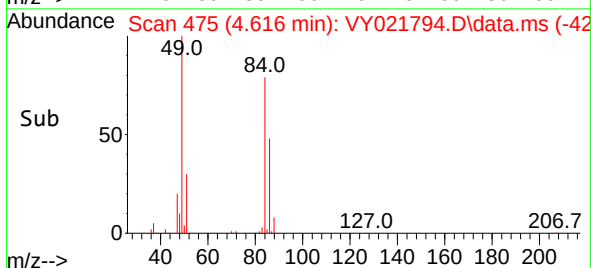
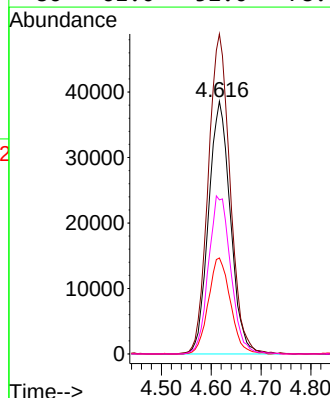
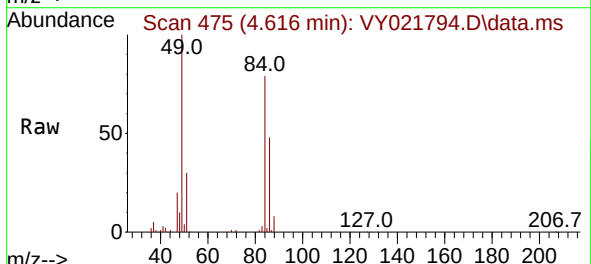
Ion Ratio Lower Upper

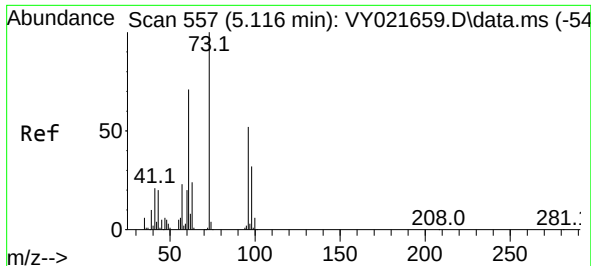
84 100

49 126.4 102.8 154.2

51 38.0 33.5 50.3

86 61.0 52.0 78.0

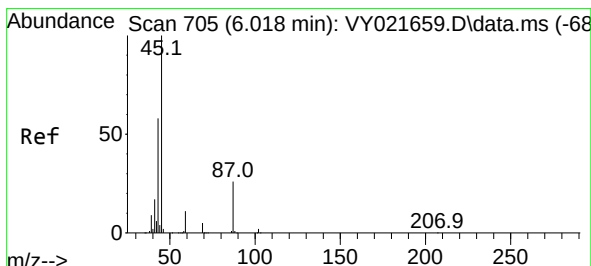
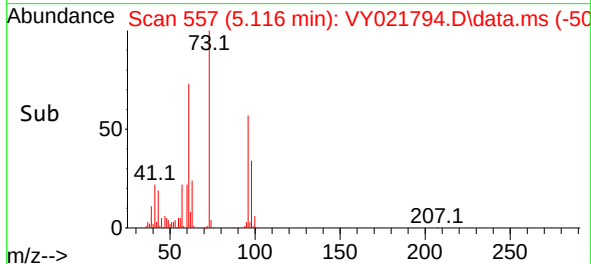
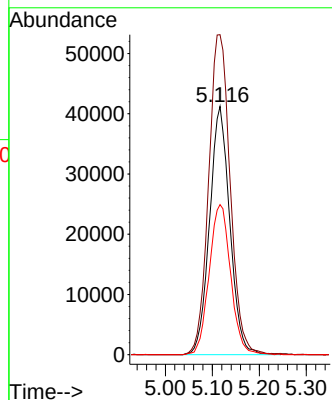
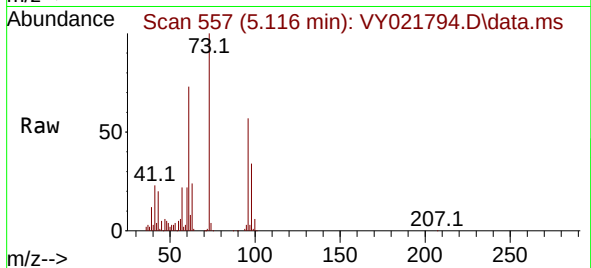




#21
trans-1,2-Dichloroethene
Concen: 47.466 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

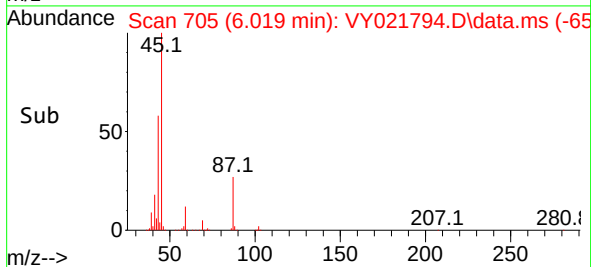
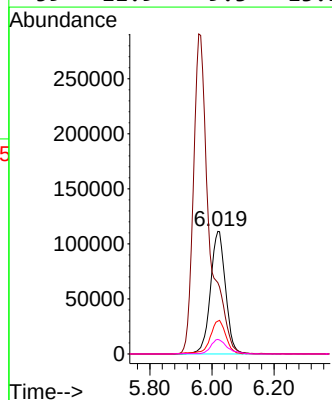
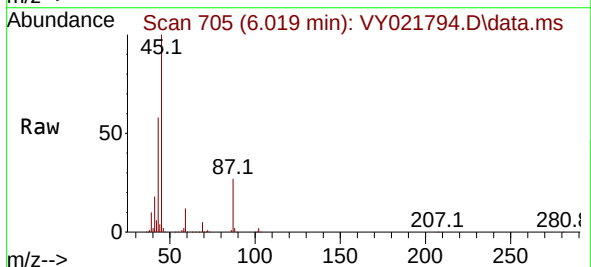
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

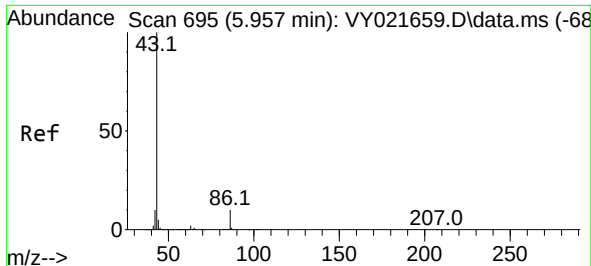
Tgt Ion: 96 Resp: 123247
Ion Ratio Lower Upper
96 100
61 128.9 109.4 164.0
98 60.4 50.2 75.2



#22
Diisopropyl ether
Concen: 47.619 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 45 Resp: 375600
Ion Ratio Lower Upper
45 100
43 58.1 46.6 69.8
87 26.8 20.7 31.1
59 11.9 9.3 13.9

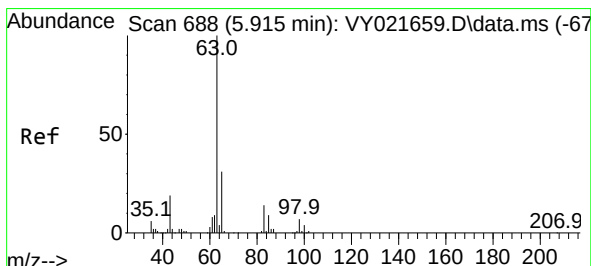
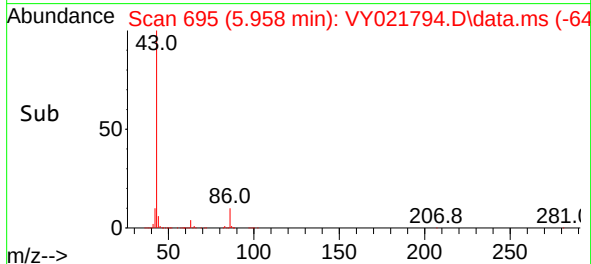
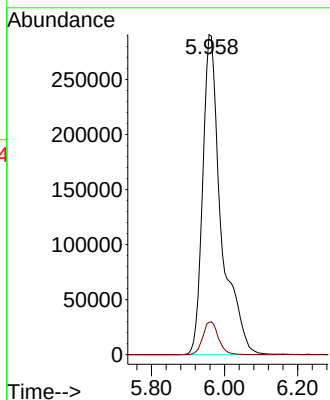
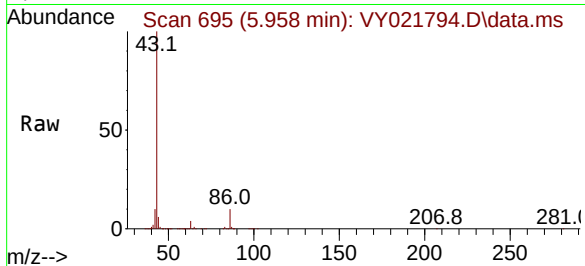




#23
 Vinyl Acetate
 Concen: 220.822 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

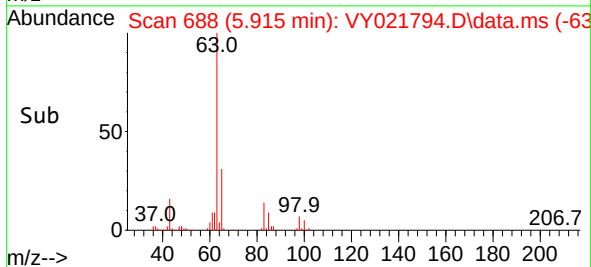
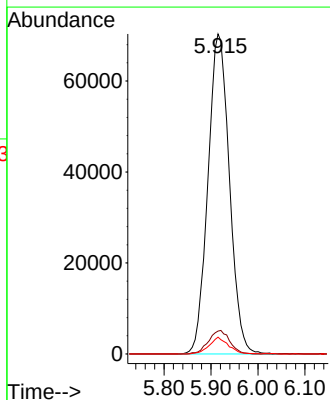
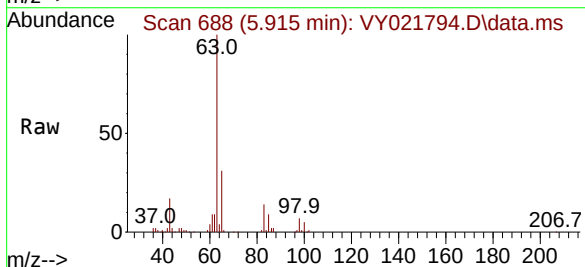
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

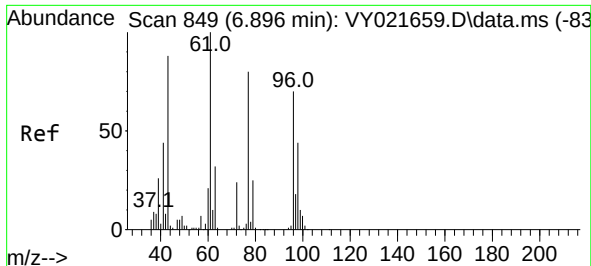
Tgt Ion: 43 Resp: 1018936
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 47.347 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 223308
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 5.3 2.2 6.6





#25

2-Butanone

Concen: 229.196 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

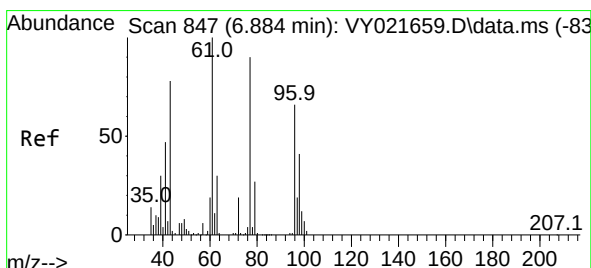
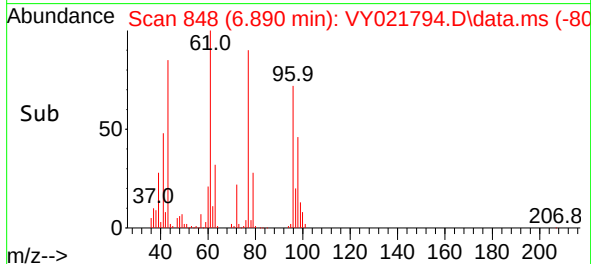
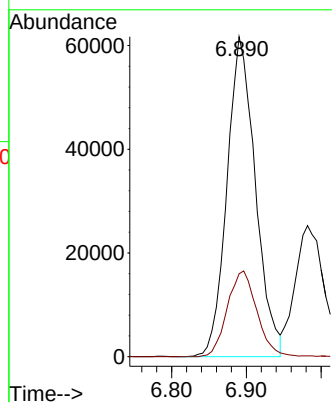
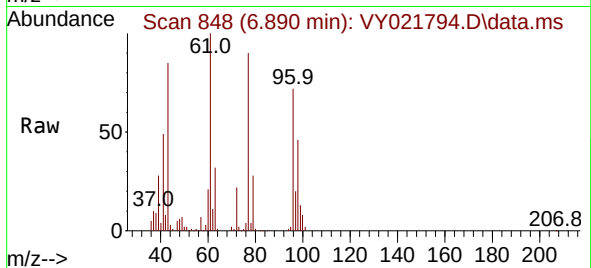
VSTDCCC050

Tgt Ion: 43 Resp: 163207

Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.2



#26

2,2-Dichloropropane

Concen: 48.250 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021794.D

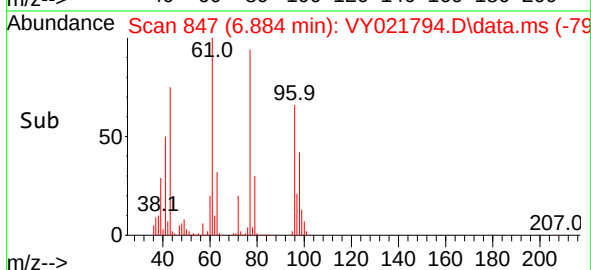
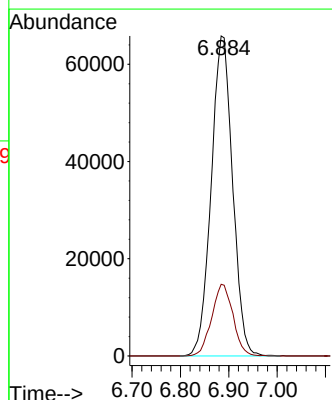
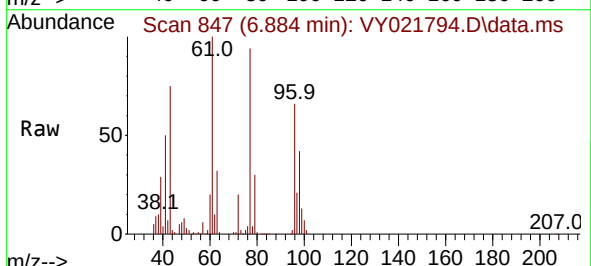
Acq: 07 Apr 2025 09:10

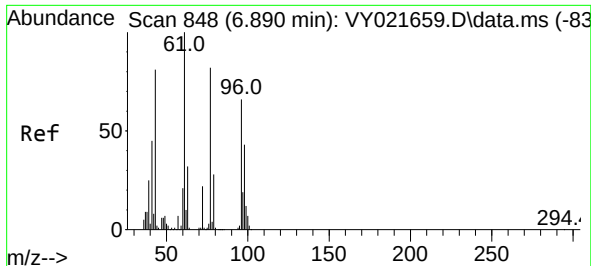
Tgt Ion: 77 Resp: 202427

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1

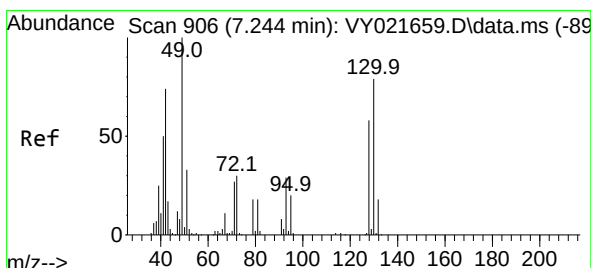
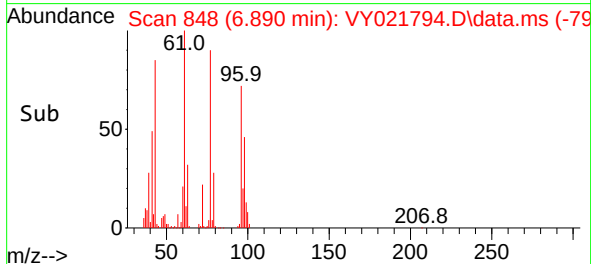
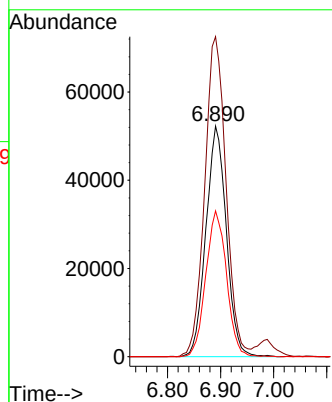
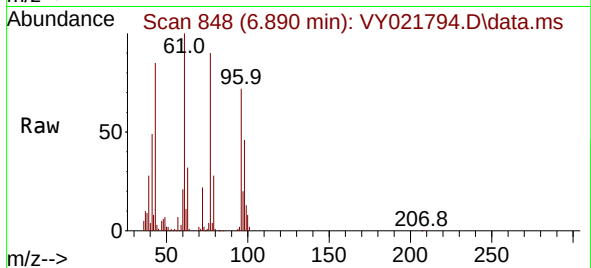




#27
cis-1,2-Dichloroethene
Concen: 47.992 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

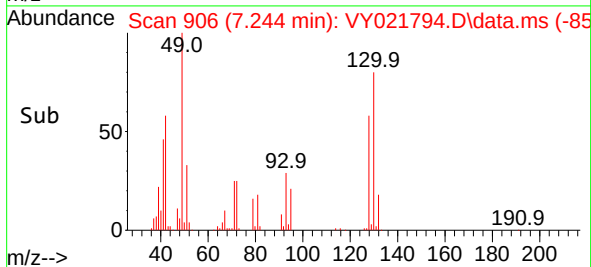
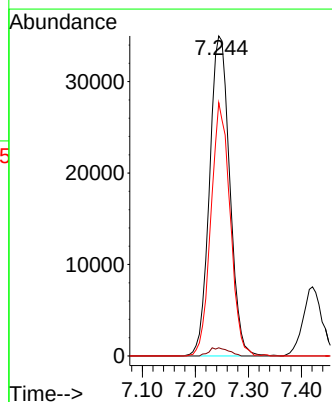
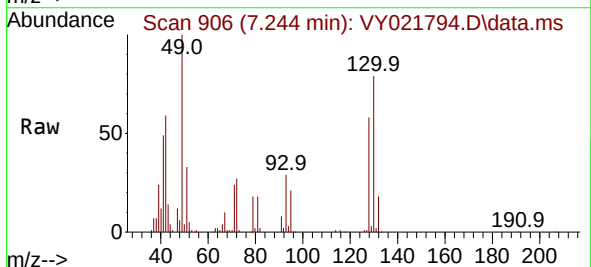
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

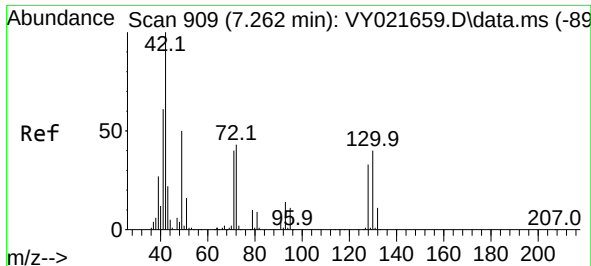
Tgt Ion: 96 Resp: 140137
Ion Ratio Lower Upper
96 100
61 144.6 0.0 296.4
98 64.1 0.0 128.0



#28
Bromochloromethane
Concen: 46.536 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 49 Resp: 92565
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.4
130 75.2 60.1 90.1





#29

Tetrahydrofuran

Concen: 215.053 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

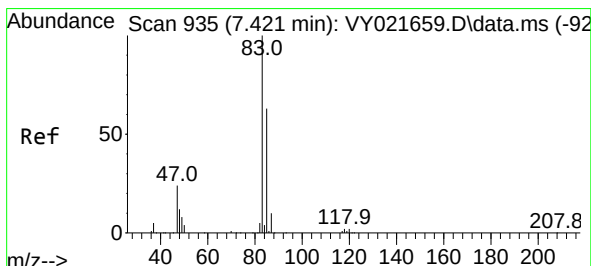
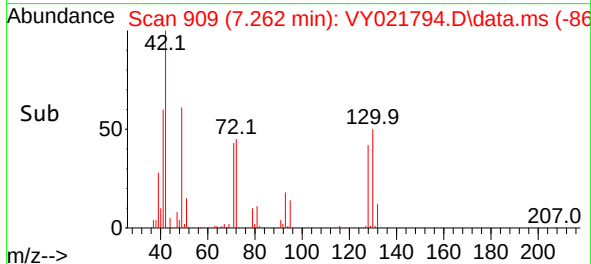
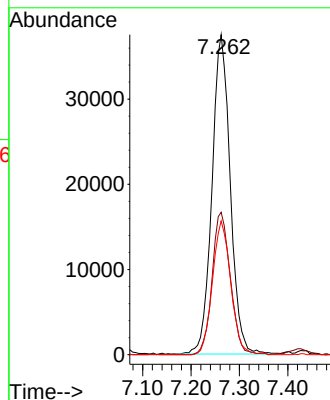
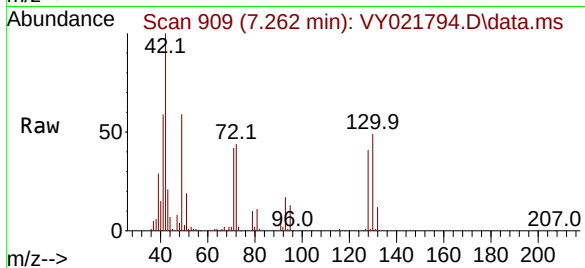
Tgt Ion: 42 Resp: 98557

Ion Ratio Lower Upper

42 100

72 44.4 34.6 52.0

71 41.9 32.5 48.7



#30

Chloroform

Concen: 47.595 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021794.D

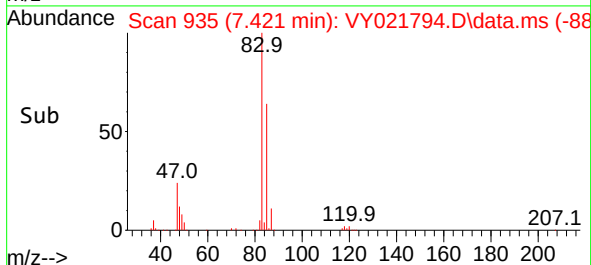
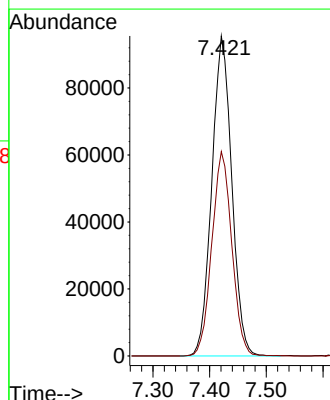
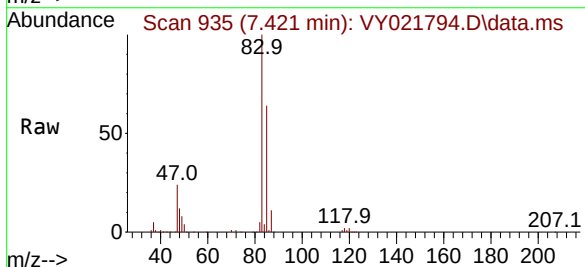
Acq: 07 Apr 2025 09:10

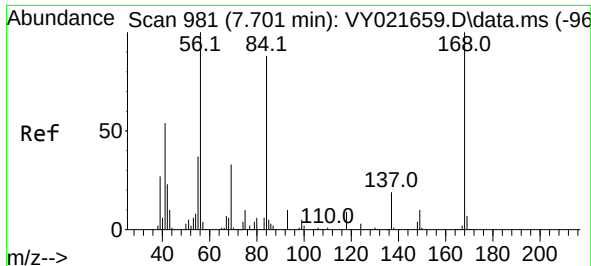
Tgt Ion: 83 Resp: 233479

Ion Ratio Lower Upper

83 100

85 63.9 50.6 75.8

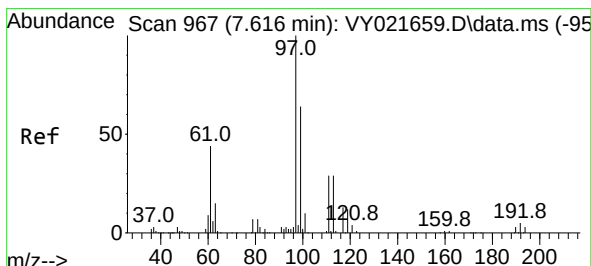
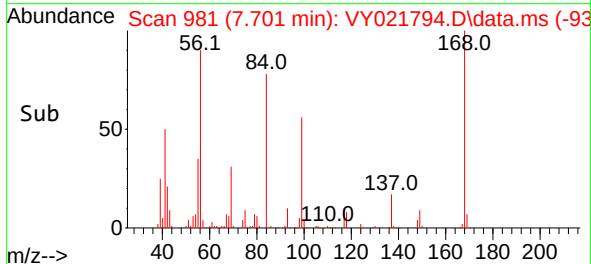
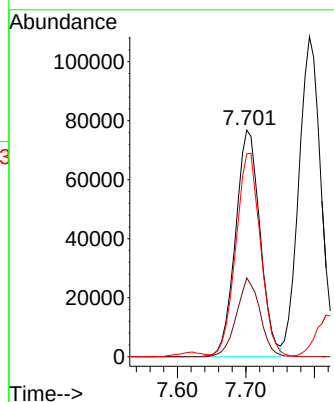
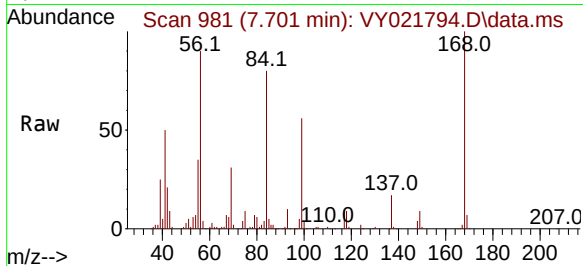




#31
Cyclohexane
Concen: 44.546 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

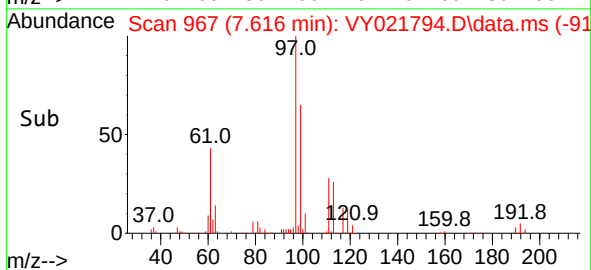
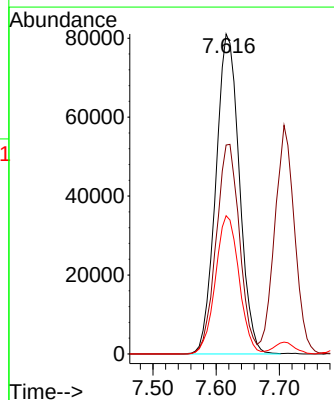
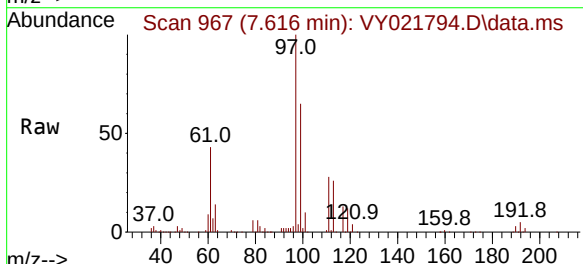
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

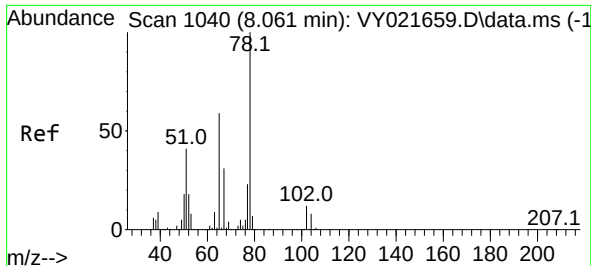
Tgt Ion: 56 Resp: 191520
Ion Ratio Lower Upper
56 100
69 34.7 26.6 40.0
84 88.4 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 47.227 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 97 Resp: 209391
Ion Ratio Lower Upper
97 100
99 65.1 50.7 76.1
61 43.4 35.2 52.8

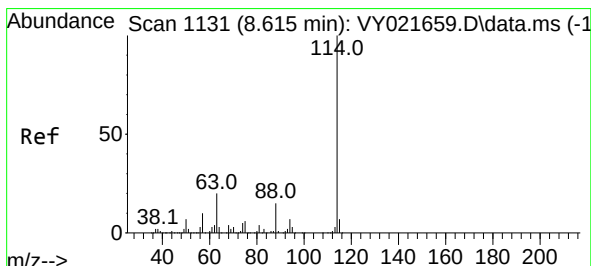
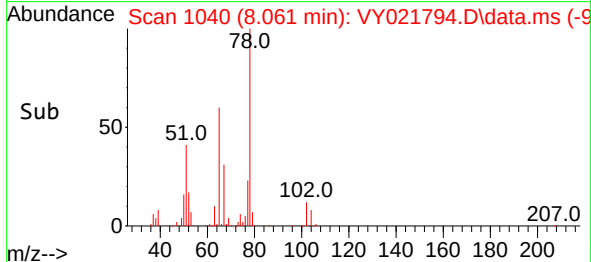
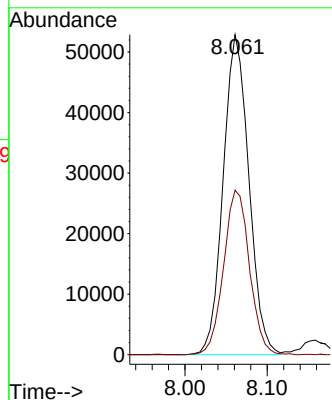
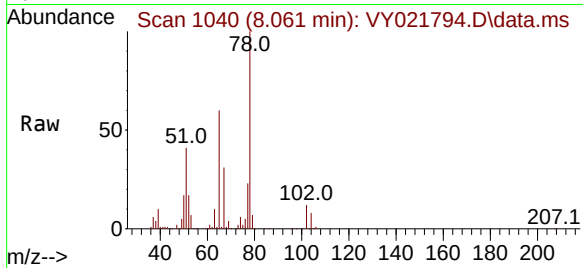




#33
 1,2-Dichloroethane-d4
 Concen: 47.075 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

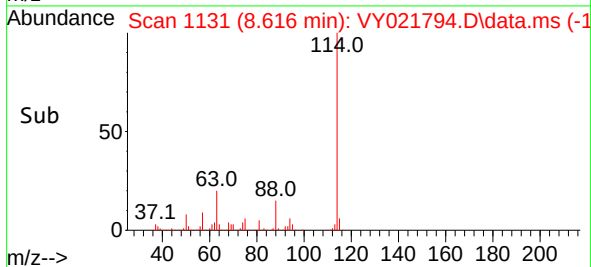
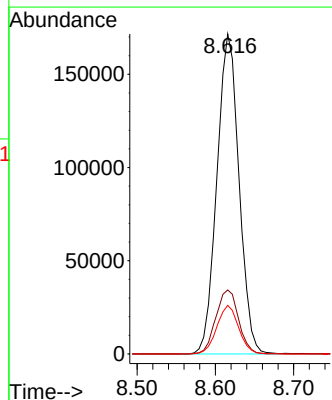
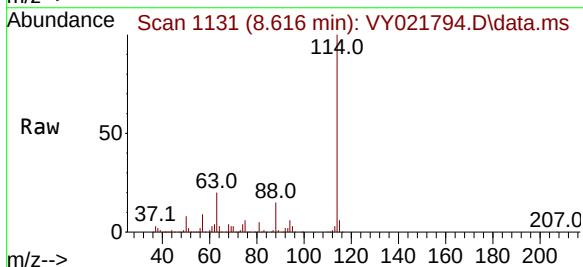
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

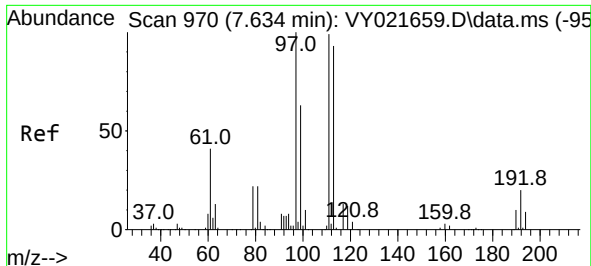
Tgt Ion: 65 Resp: 114675
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

Tgt Ion: 114 Resp: 336981
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.509 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

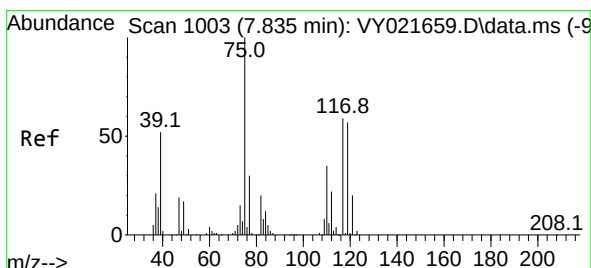
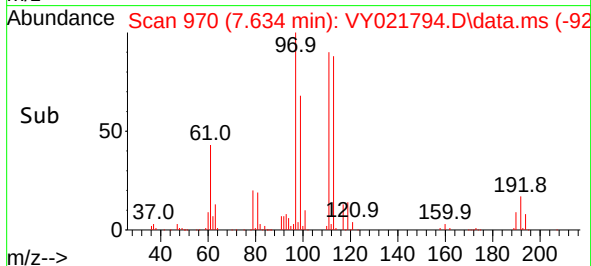
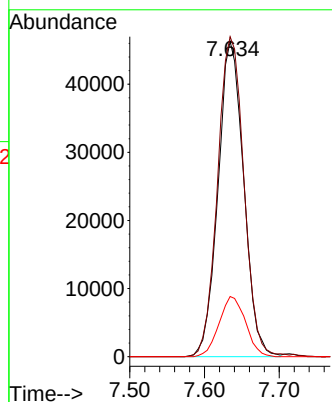
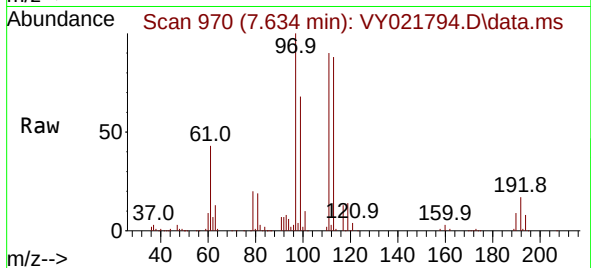
Tgt Ion:113 Resp: 110409

Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 19.7 16.2 24.4



#36

1,1-Dichloropropene

Concen: 50.545 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

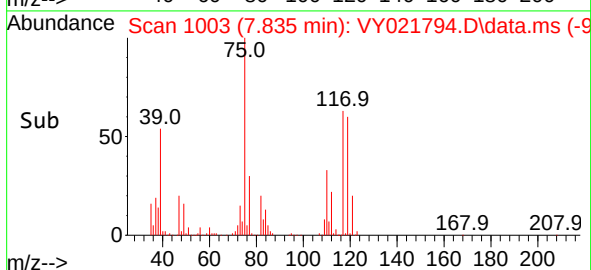
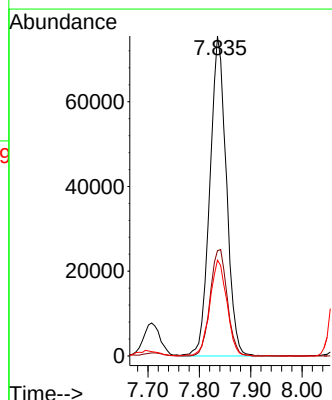
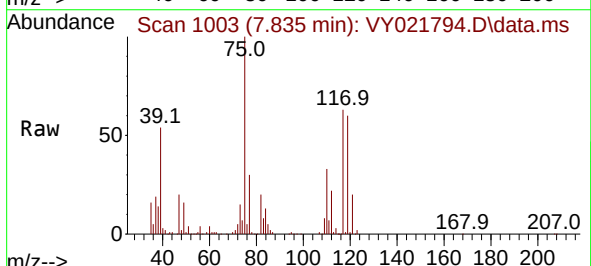
Tgt Ion: 75 Resp: 168291

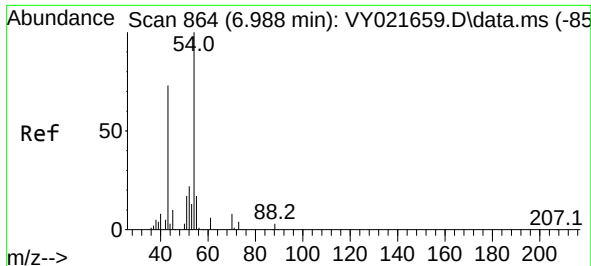
Ion Ratio Lower Upper

75 100

110 34.5 17.0 50.9

77 31.0 24.8 37.2

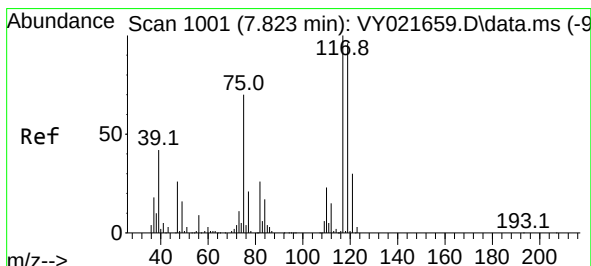
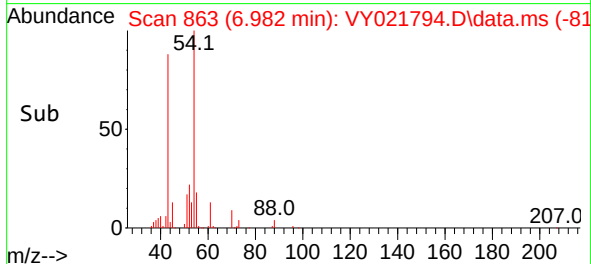
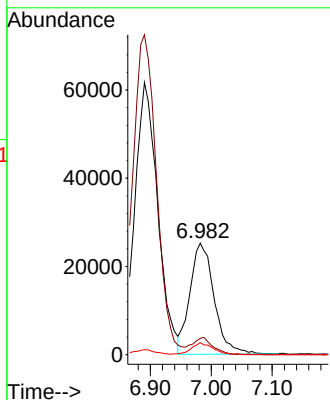
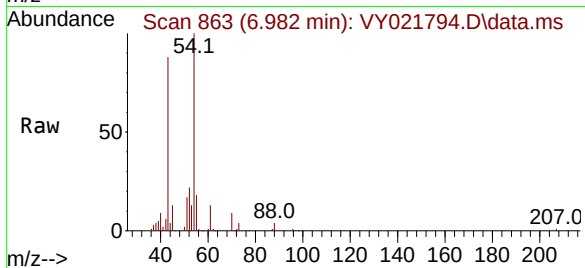




#37
Ethyl Acetate
Concen: 44.251 ug/l
RT: 6.982 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

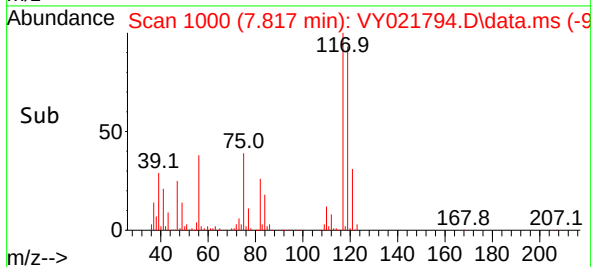
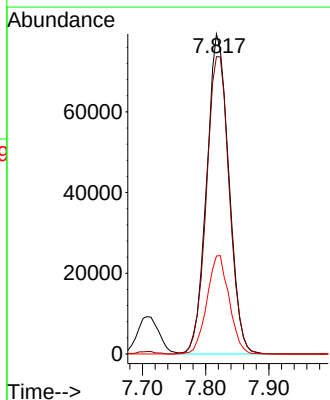
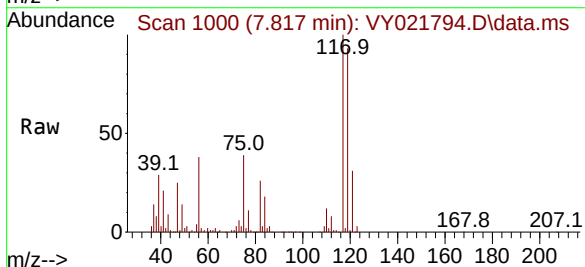
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

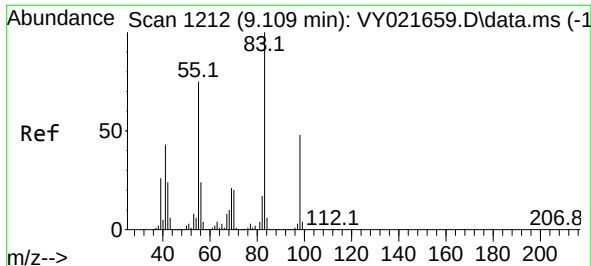
Tgt Ion:	43	Resp:	69534
Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.0	16.6
70	9.6	8.1	12.1



#38
Carbon Tetrachloride
Concen: 50.753 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:	117	Resp:	193545
Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.2	114.4
121	30.6	24.2	36.4





#39

Methylcyclohexane

Concen: 48.886 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

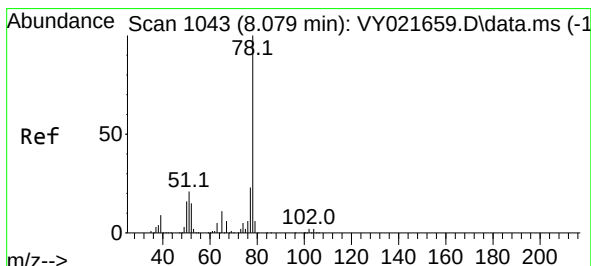
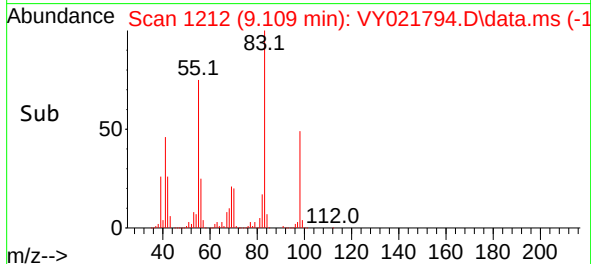
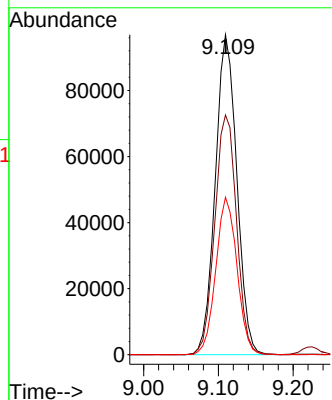
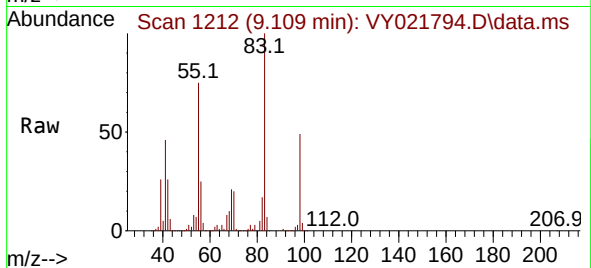
Tgt Ion: 83 Resp: 194442

Ion Ratio Lower Upper

83 100

55 74.9 59.7 89.5

98 49.2 38.3 57.5



#40

Benzene

Concen: 50.325 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021794.D

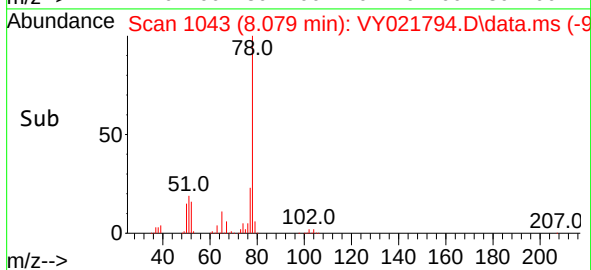
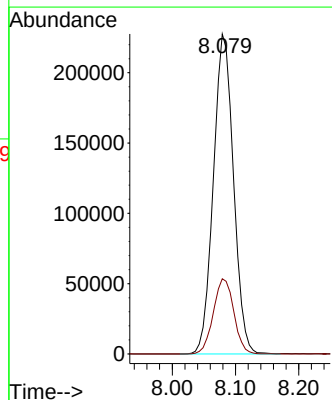
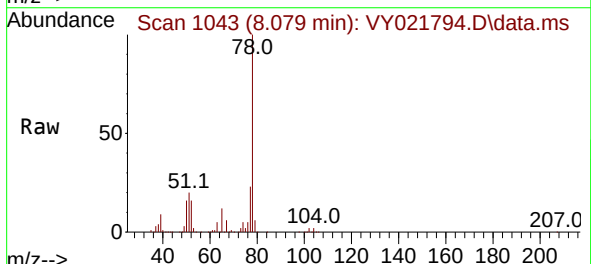
Acq: 07 Apr 2025 09:10

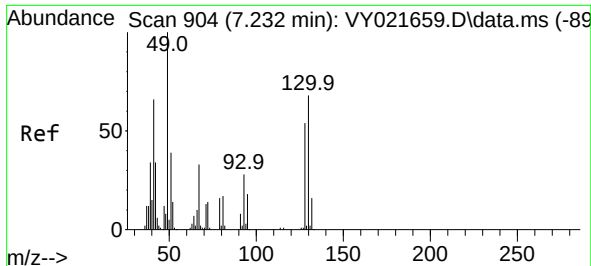
Tgt Ion: 78 Resp: 501796

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

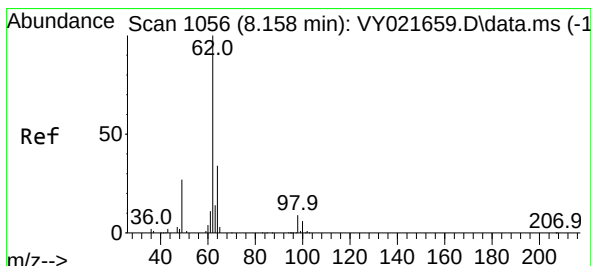
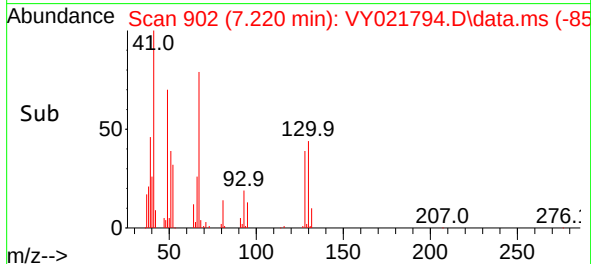
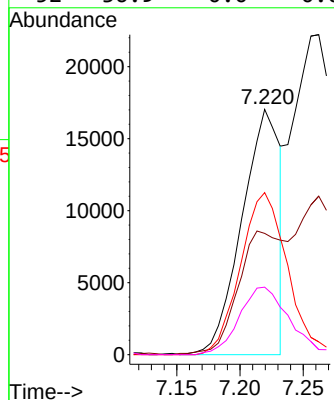
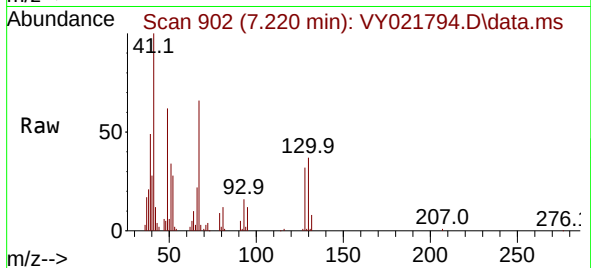




#41
Methacrylonitrile
Concen: 42.682 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

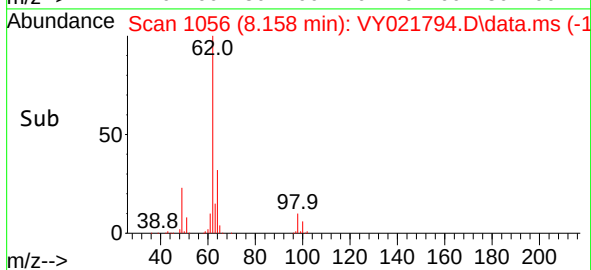
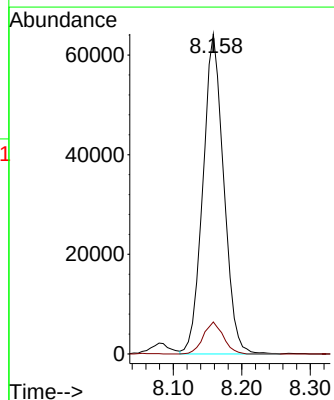
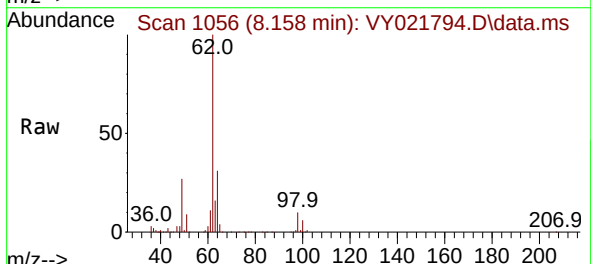
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

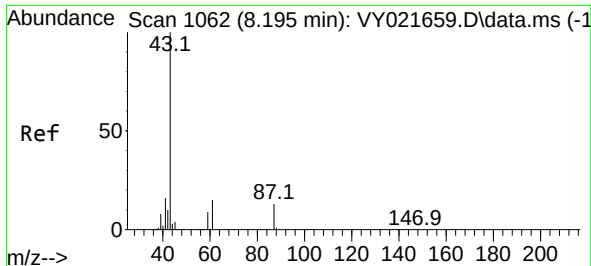
Tgt Ion:	41	Resp:	35618
Ion	Ratio	Lower	Upper
41	100		
39	63.4	0.0	0.0#
67	81.7	0.0	0.0#
52	36.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 48.260 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:	62	Resp:	135660
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4

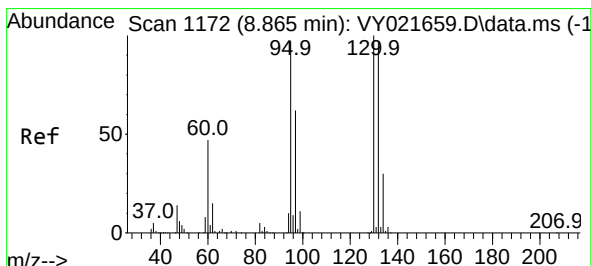
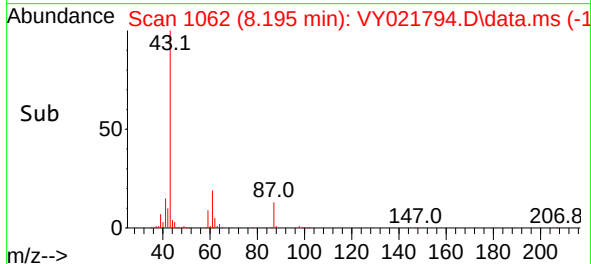
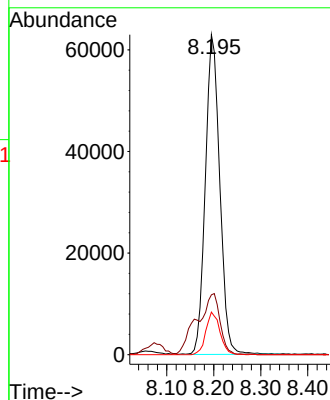
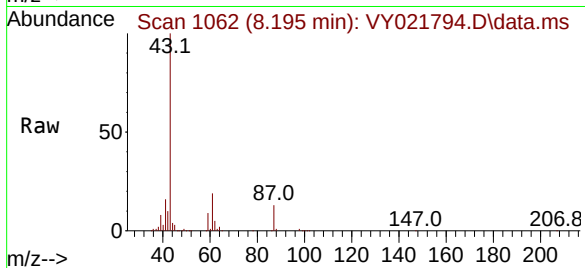




#43
Isopropyl Acetate
Concen: 44.885 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

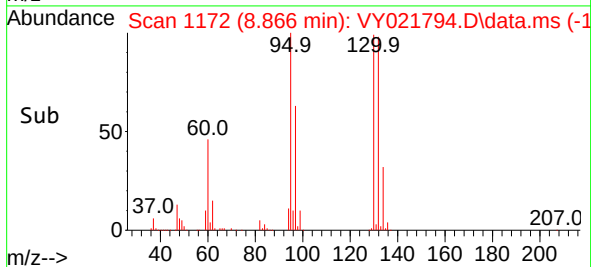
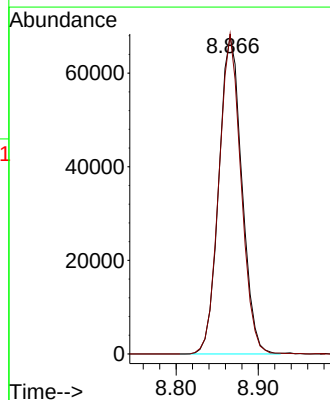
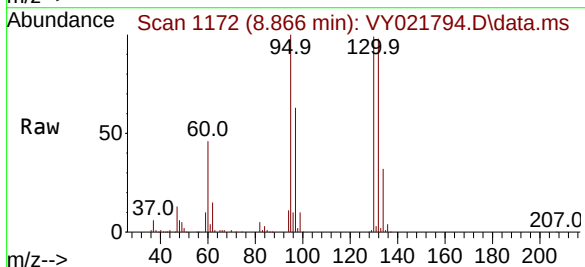
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

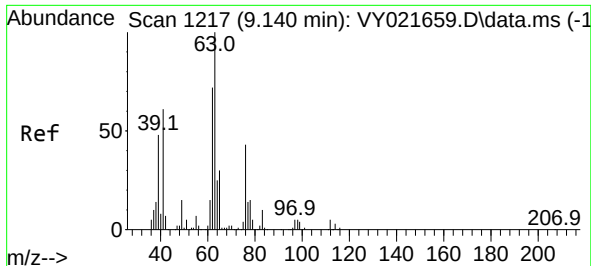
Tgt Ion: 43 Resp: 133660
Ion Ratio Lower Upper
43 100
61 30.1 15.9 23.9#
87 13.0 10.4 15.6



#44
Trichloroethene
Concen: 51.817 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:130 Resp: 131643
Ion Ratio Lower Upper
130 100
95 100.8 0.0 194.8





#45

1,2-Dichloropropane

Concen: 49.831 ug/l

RT: 9.140 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

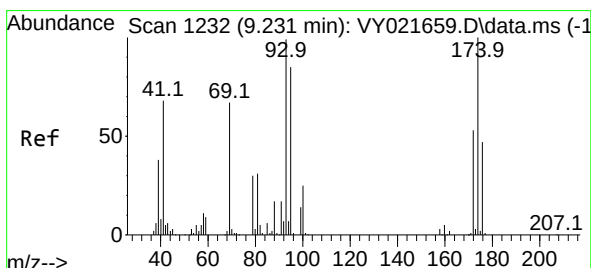
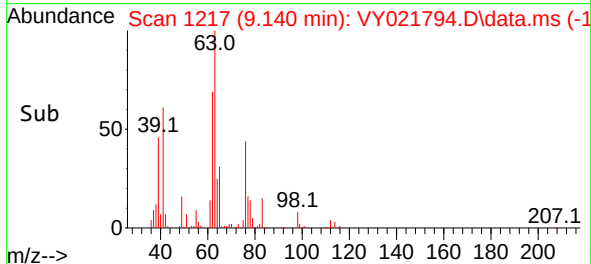
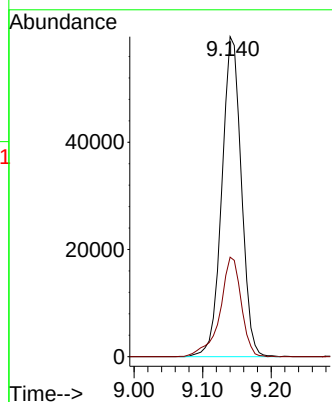
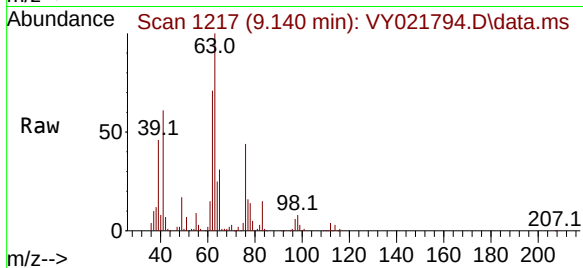
VSTDCCC050

Tgt Ion: 63 Resp: 117612

Ion Ratio Lower Upper

63 100

65 31.1 24.4 36.6



#46

Dibromomethane

Concen: 48.034 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

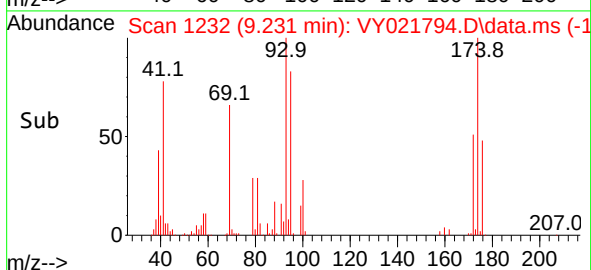
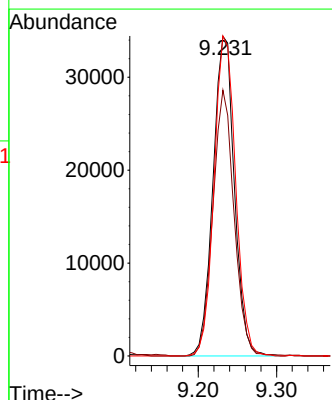
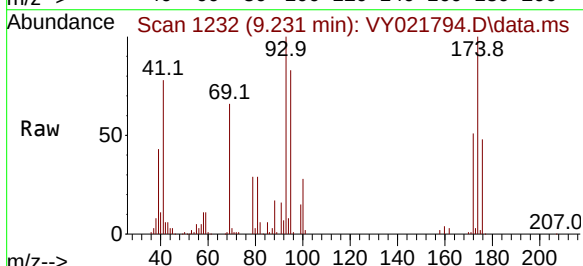
Tgt Ion: 93 Resp: 65338

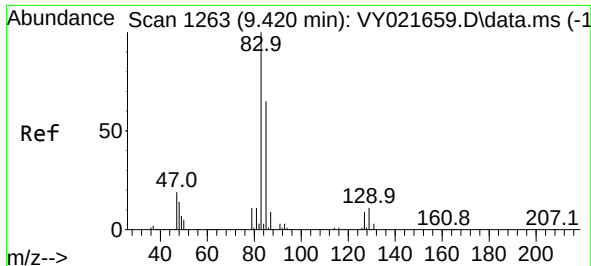
Ion Ratio Lower Upper

93 100

95 82.2 68.1 102.1

174 100.8 80.9 121.3

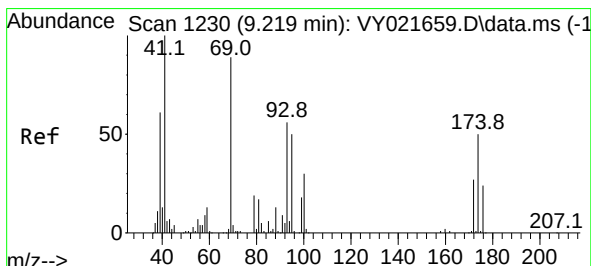
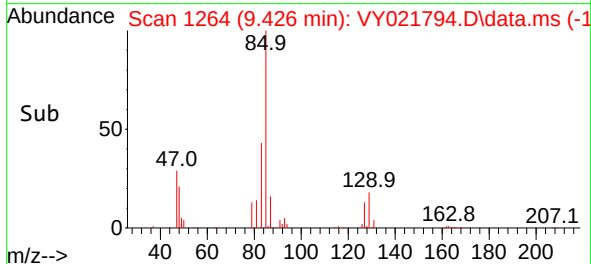
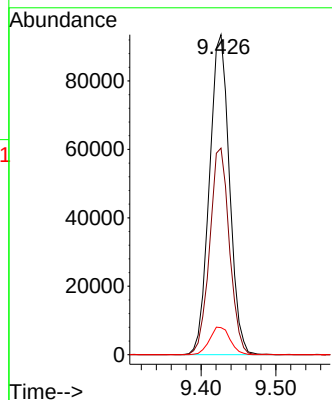
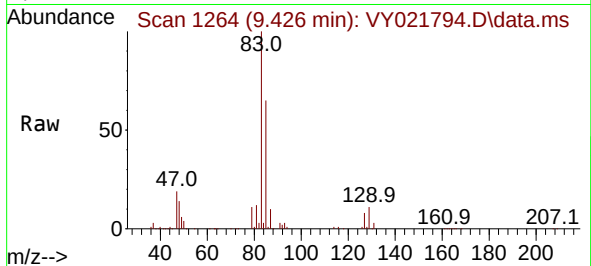




#47
Bromodichloromethane
Concen: 49.419 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

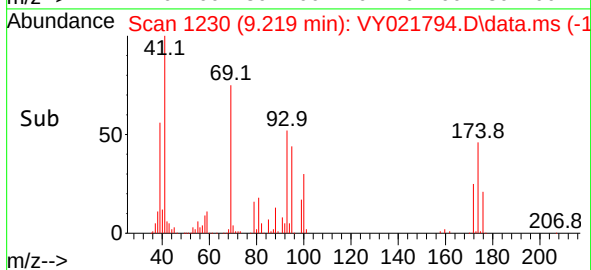
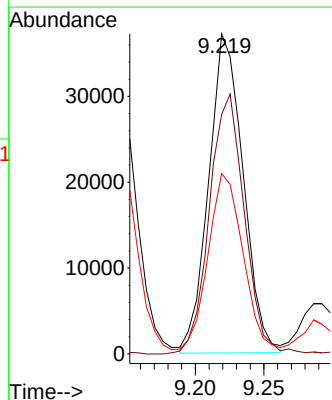
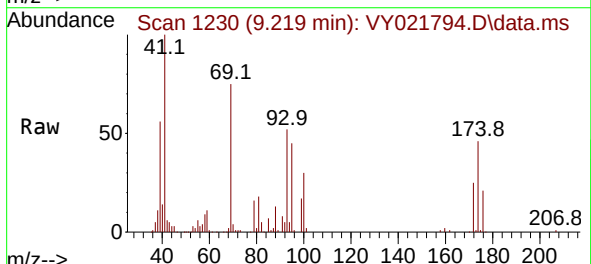
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

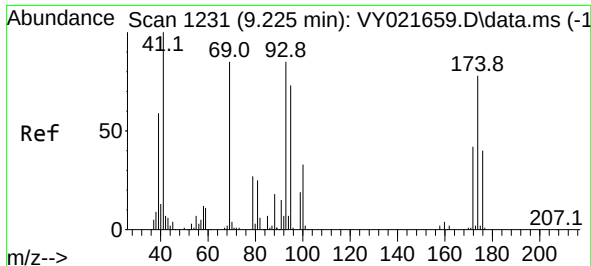
Tgt Ion:	83	Resp:	174186
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.5	6.8	10.2



#48
Methyl methacrylate
Concen: 47.453 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:	41	Resp:	64853
Ion	Ratio	Lower	Upper
41	100		
69	83.0	69.8	104.8
39	55.7	47.2	70.8

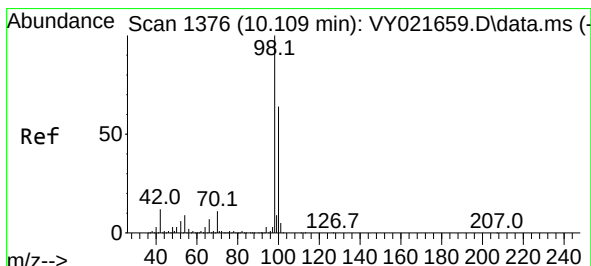
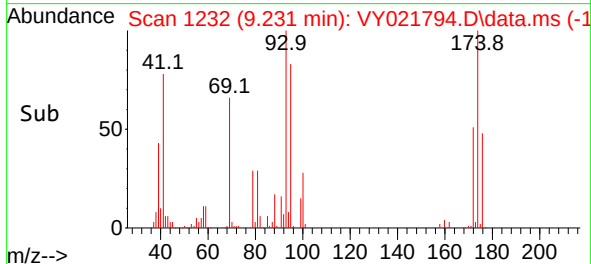
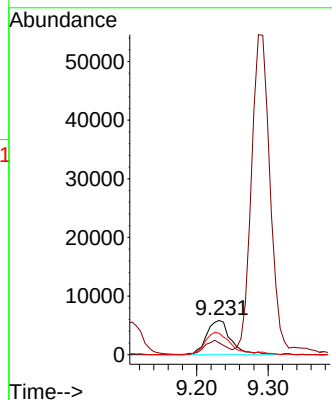
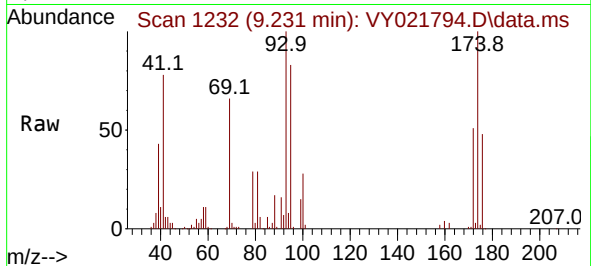




#49
1,4-Dioxane
Concen: 936.467 ug/l
RT: 9.231 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

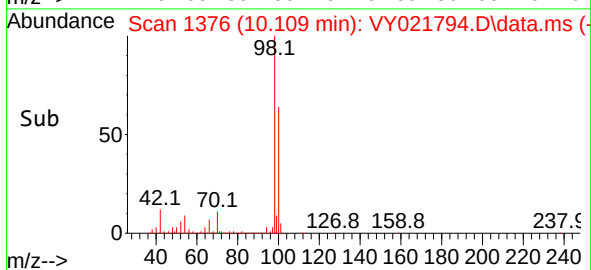
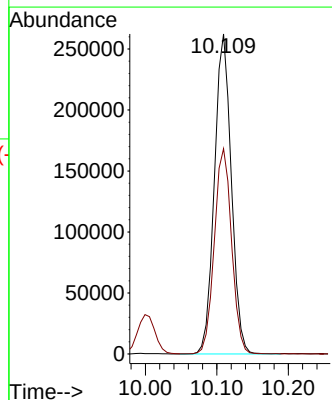
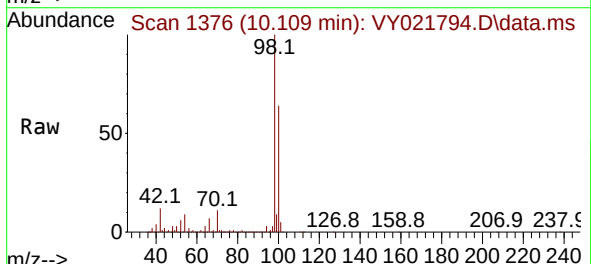
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

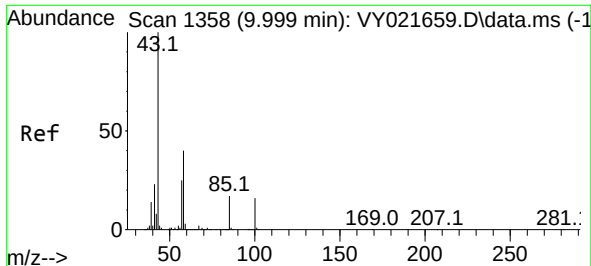
Tgt Ion: 88 Resp: 13646
Ion Ratio Lower Upper
88 100
43 36.4 28.8 43.2
58 68.3 59.4 89.2



#50
Toluene-d8
Concen: 51.740 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 98 Resp: 430269
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 232.887 ug/l

RT: 10.000 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

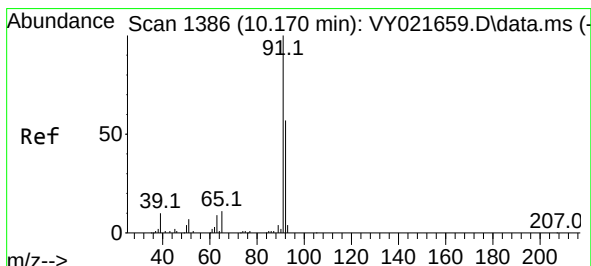
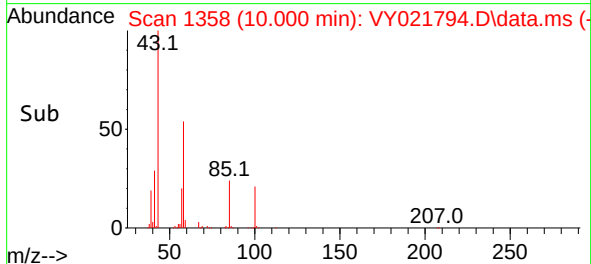
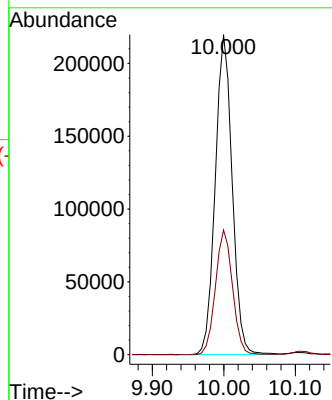
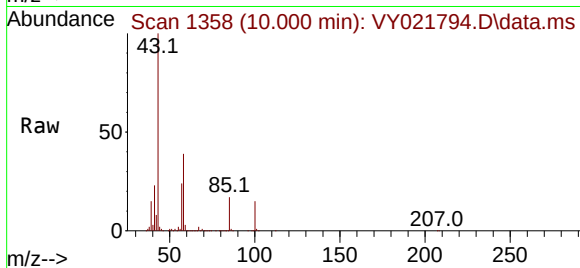
VSTDCCC050

Tgt Ion: 43 Resp: 360893

Ion Ratio Lower Upper

43 100

58 39.2 31.5 47.3



#52

Toluene

Concen: 51.304 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021794.D

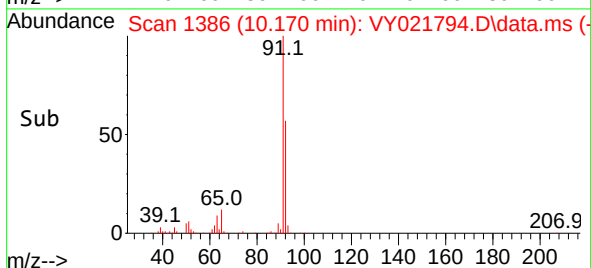
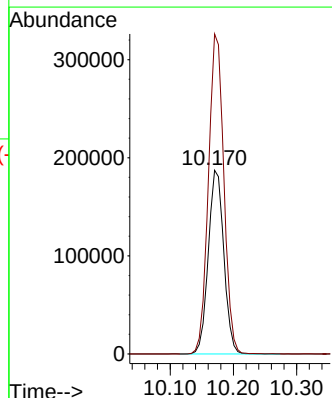
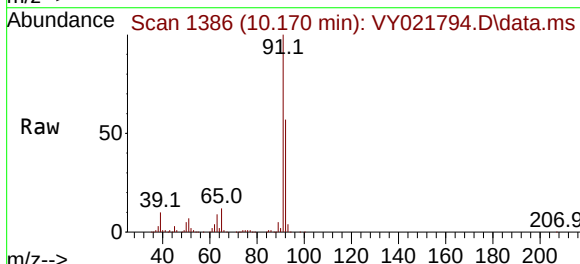
Acq: 07 Apr 2025 09:10

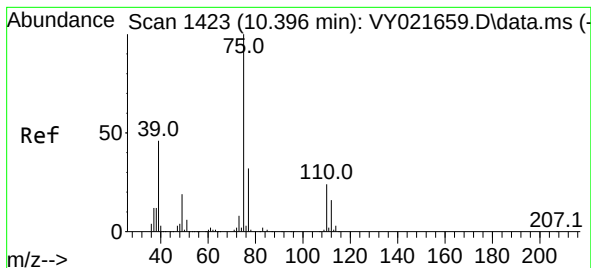
Tgt Ion: 92 Resp: 319169

Ion Ratio Lower Upper

92 100

91 173.5 138.6 207.8

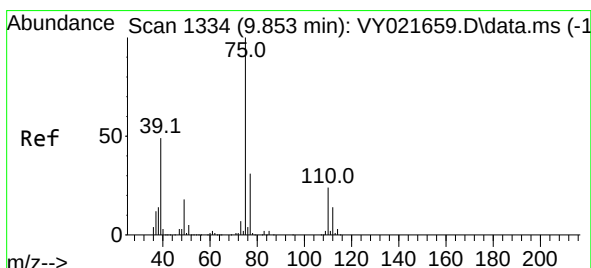
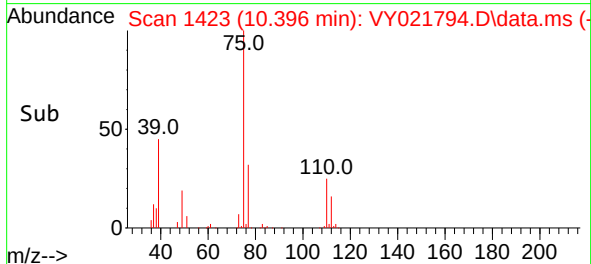
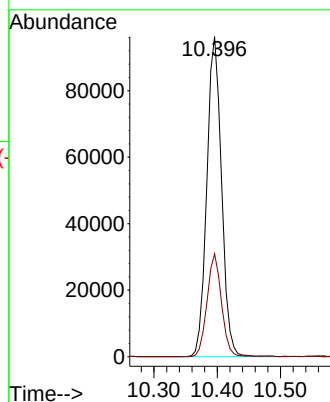
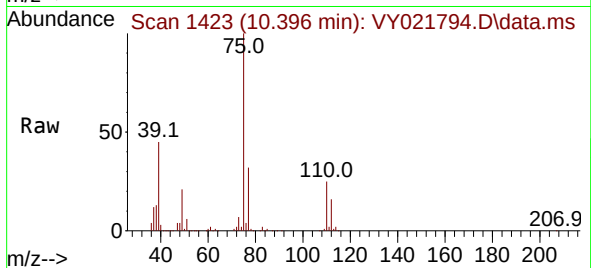




#53
t-1,3-Dichloropropene
Concen: 49.804 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

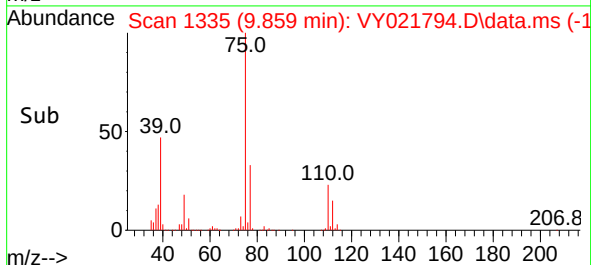
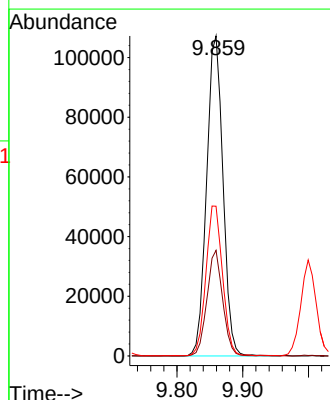
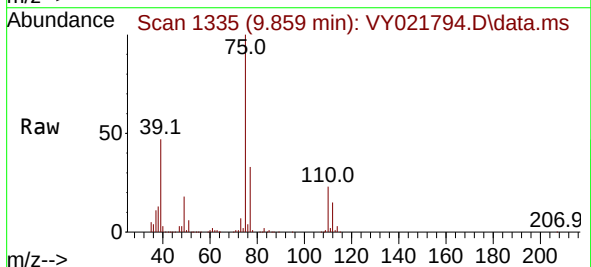
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

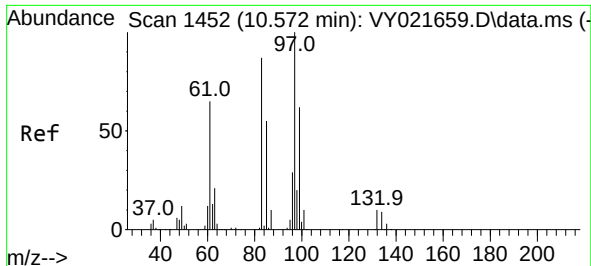
Tgt Ion: 75 Resp: 155920
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 50.219 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 185476
Ion Ratio Lower Upper
75 100
77 33.0 24.9 37.3
39 46.7 39.2 58.8

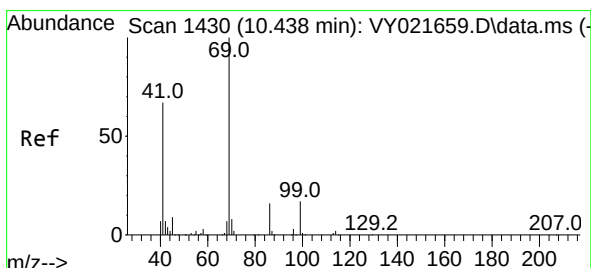
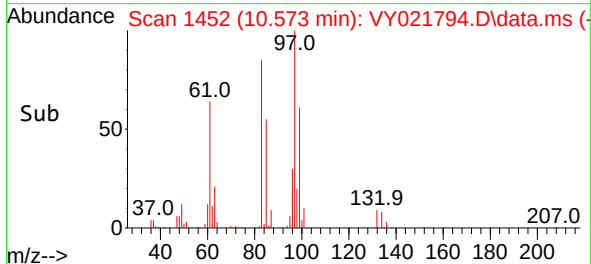
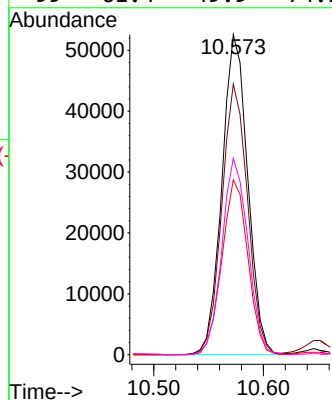
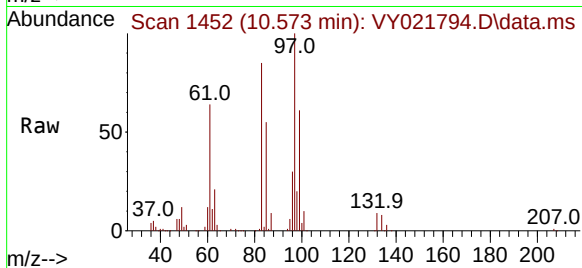




#55
1,1,2-Trichloroethane
Concen: 49.131 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

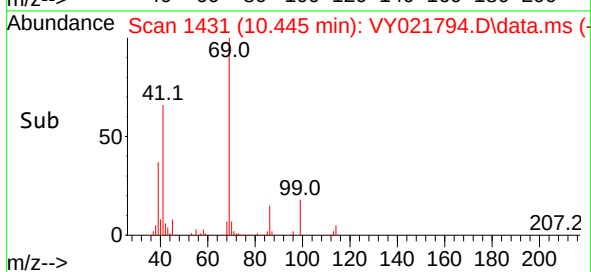
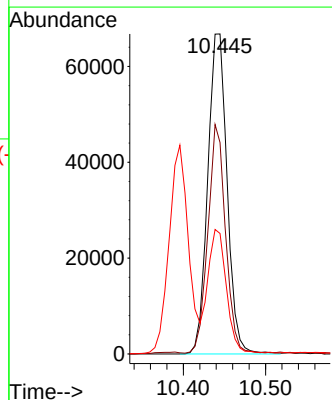
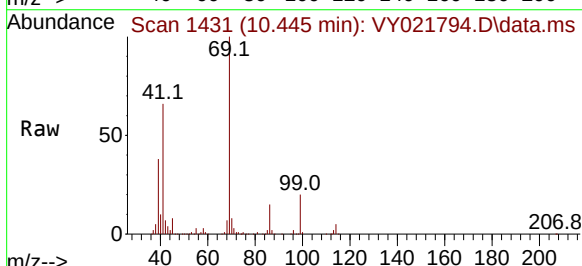
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

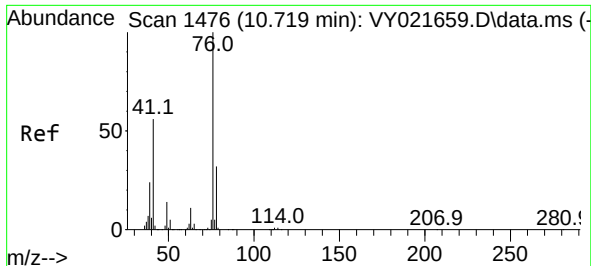
Tgt Ion: 97	Resp: 86004
Ion Ratio	Lower Upper
97 100	
83 84.6	69.5 104.3
85 54.6	43.9 65.9
99 61.4	49.9 74.9



#56
Ethyl methacrylate
Concen: 48.850 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 69	Resp: 109189
Ion Ratio	Lower Upper
69 100	
41 65.1	53.8 80.6
39 36.8	29.6 44.4





#57

1,3-Dichloropropane

Concen: 49.319 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

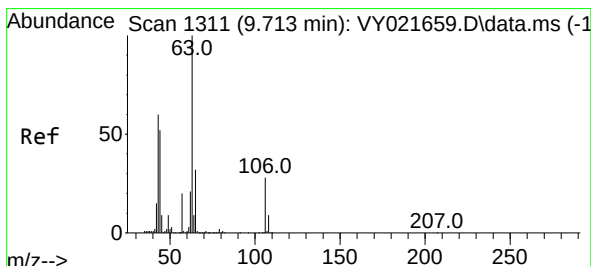
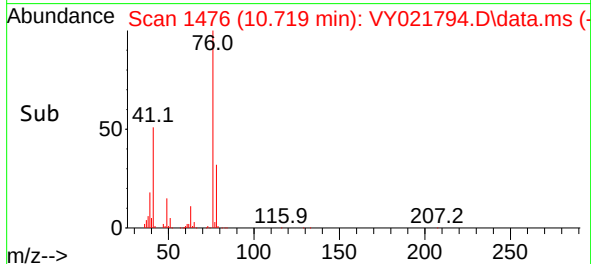
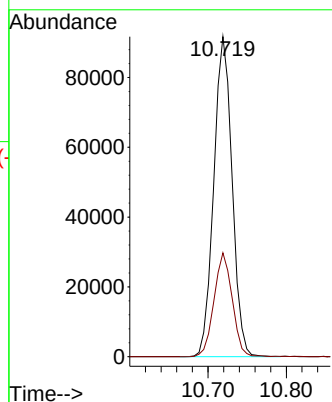
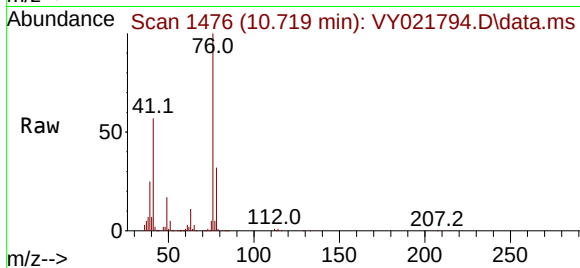
VSTDCCC050

Tgt Ion: 76 Resp: 149100

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 258.748 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021794.D

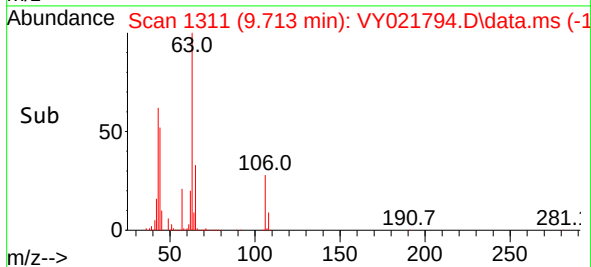
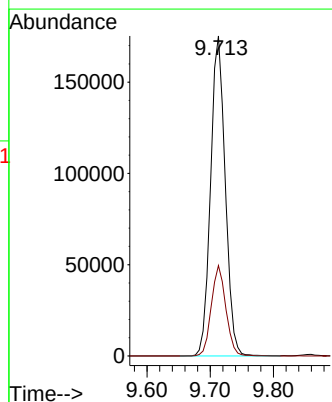
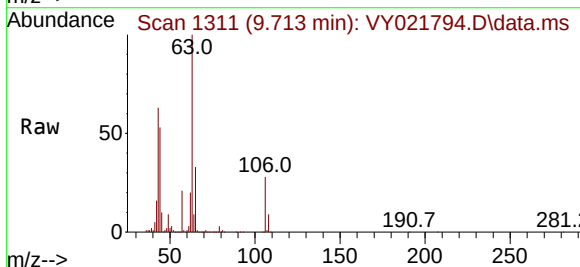
Acq: 07 Apr 2025 09:10

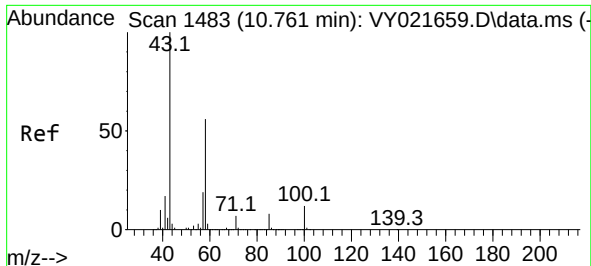
Tgt Ion: 63 Resp: 282136

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6





#59

2-Hexanone

Concen: 243.444 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

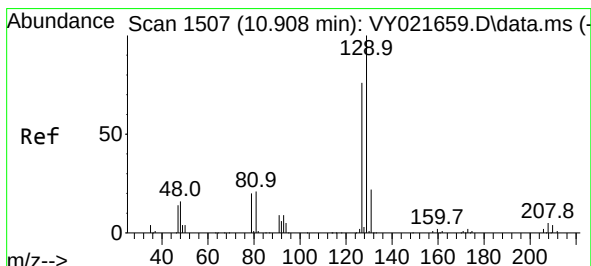
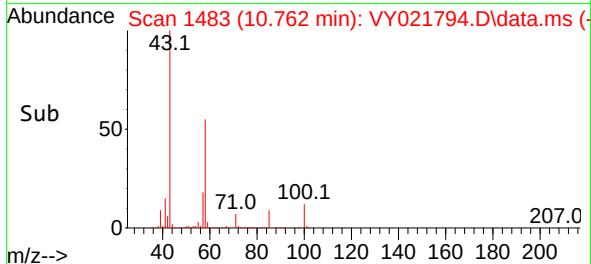
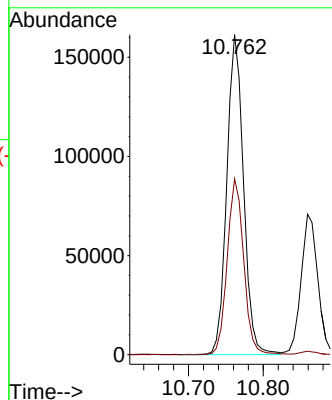
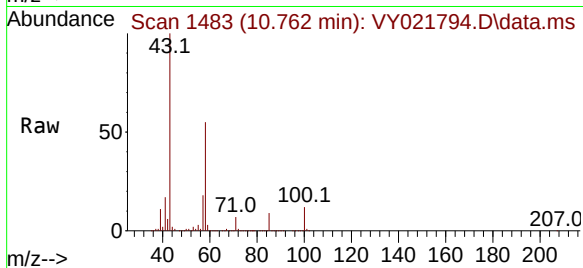
VSTDCCC050

Tgt Ion: 43 Resp: 251244

Ion Ratio Lower Upper

43 100

58 54.3 27.2 81.5



#60

Dibromochloromethane

Concen: 49.743 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021794.D

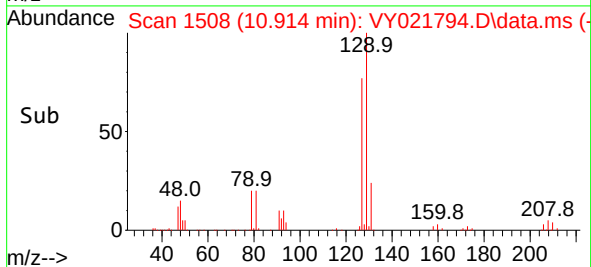
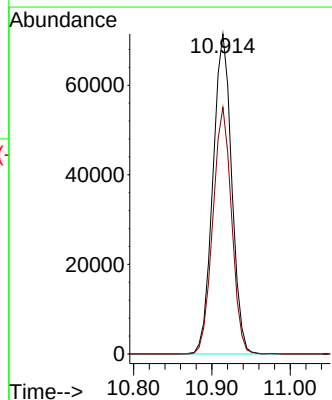
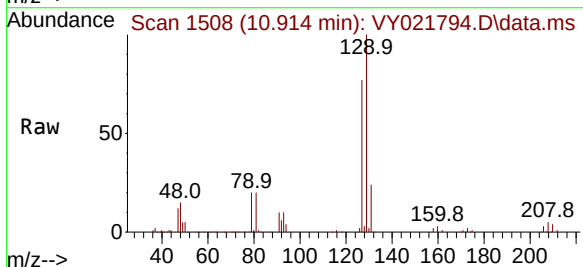
Acq: 07 Apr 2025 09:10

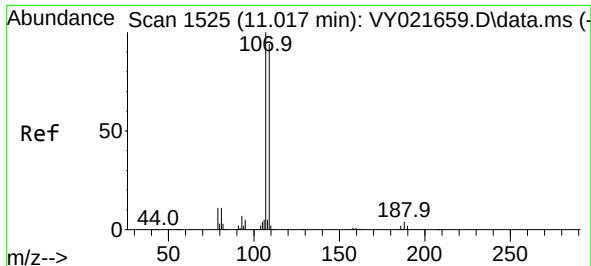
Tgt Ion: 129 Resp: 118885

Ion Ratio Lower Upper

129 100

127 76.6 38.6 115.7

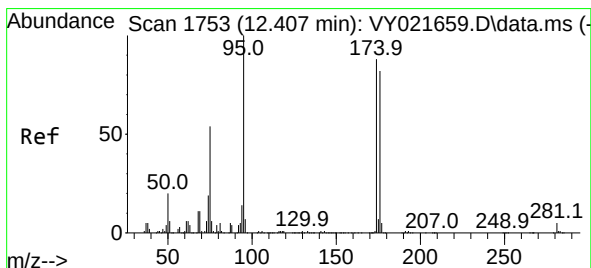
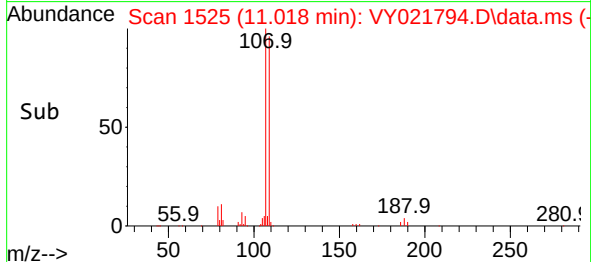
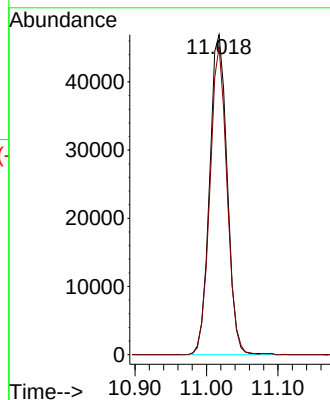
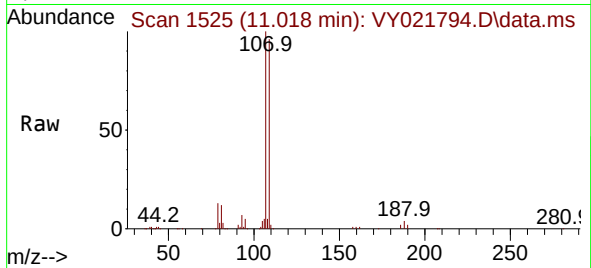




#61
1,2-Dibromoethane
Concen: 48.727 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

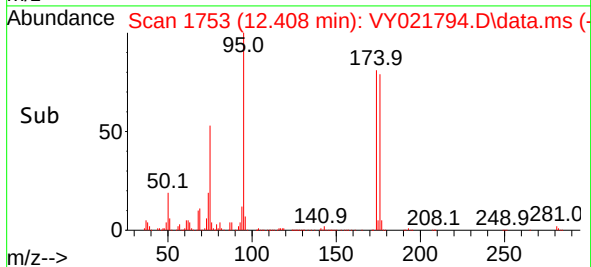
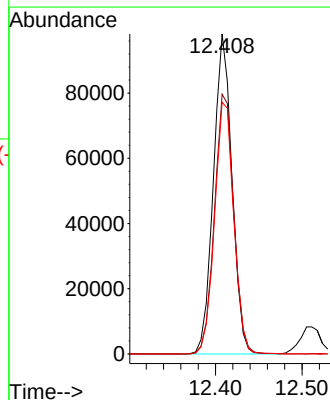
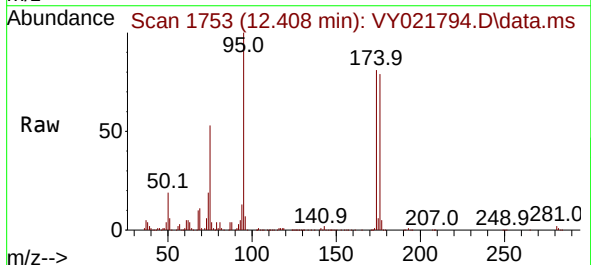
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

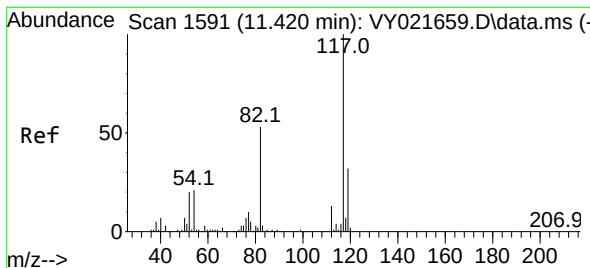
Tgt Ion:107 Resp: 80014
Ion Ratio Lower Upper
107 100
109 93.7 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 51.914 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 95 Resp: 146026
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.8
176 81.5 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

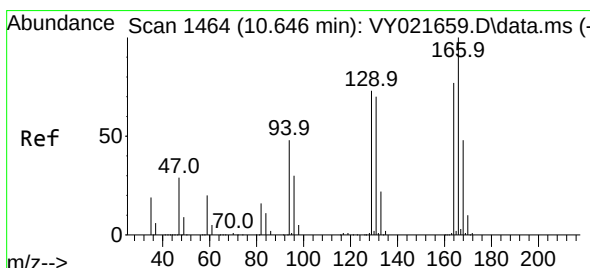
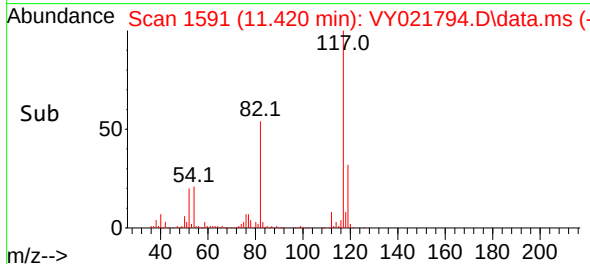
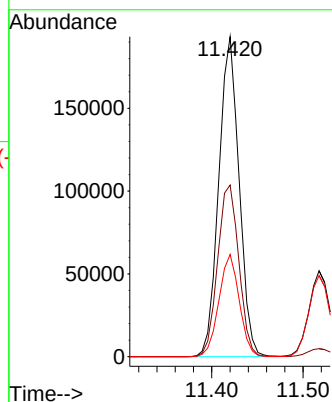
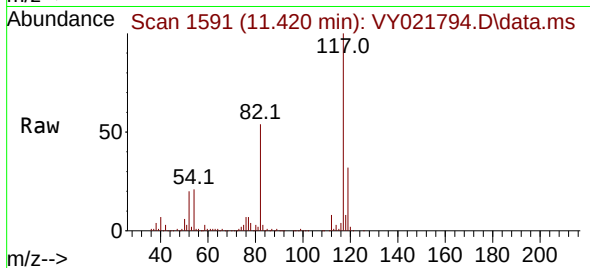
Tgt Ion:117 Resp: 298811

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 31.9 25.7 38.5



#64

Tetrachloroethene

Concen: 54.654 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Tgt Ion:164 Resp: 148740

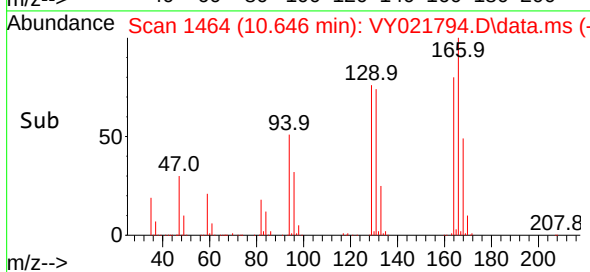
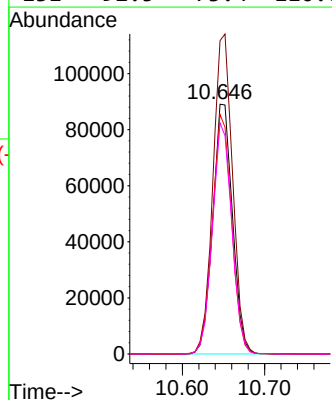
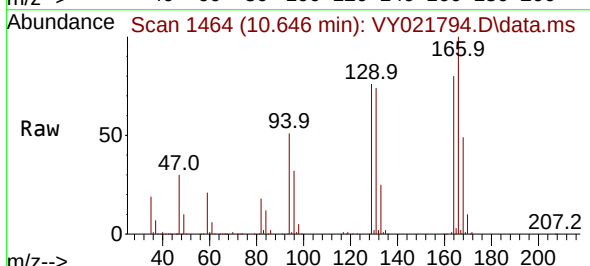
Ion Ratio Lower Upper

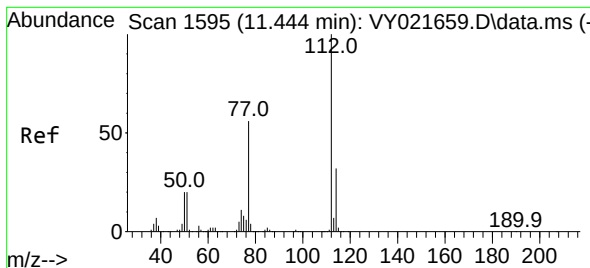
164 100

166 125.4 104.6 156.8

129 95.9 76.6 114.8

131 92.5 73.4 110.0

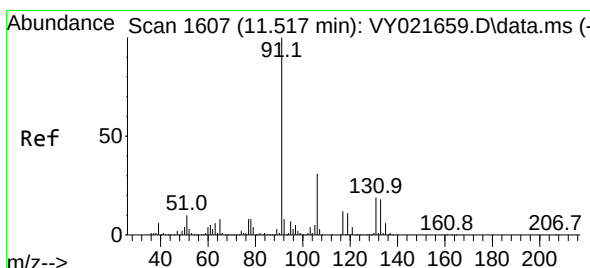
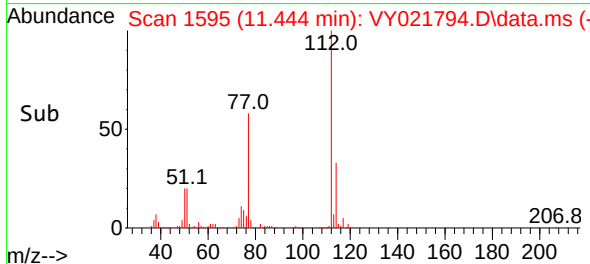
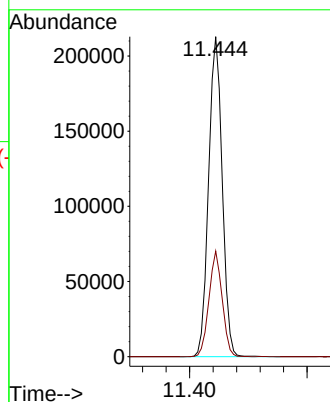
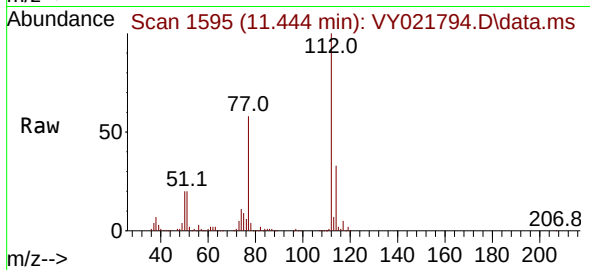




#65
Chlorobenzene
Concen: 49.923 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

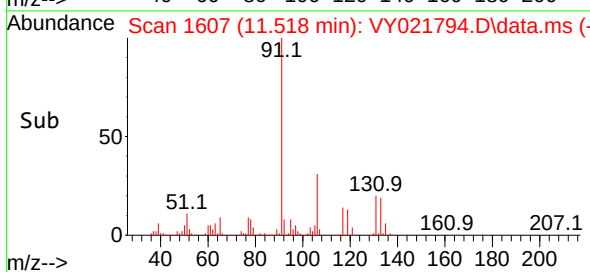
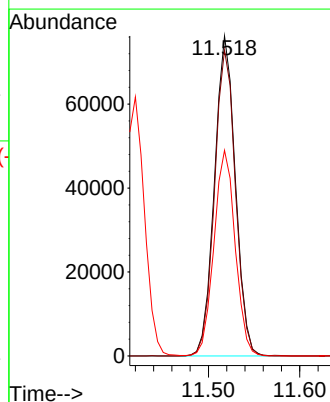
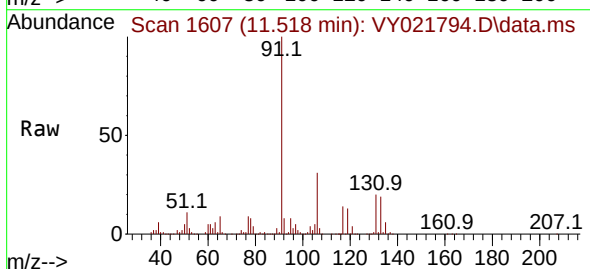
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

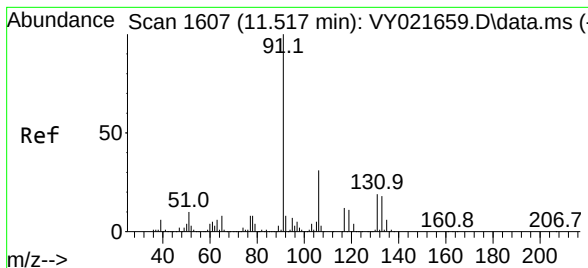
Tgt Ion:112 Resp: 341961
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.897 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:131 Resp: 121265
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 65.2 31.6 95.0

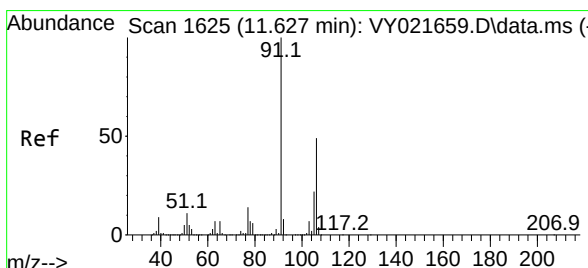
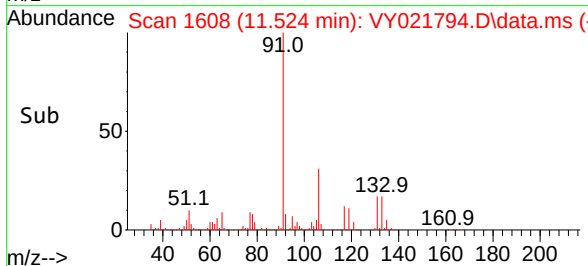
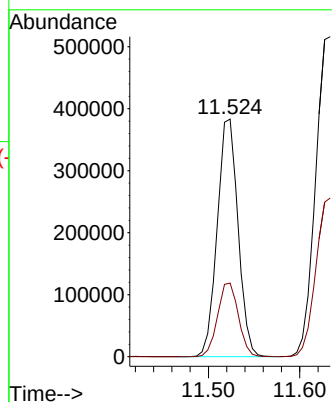
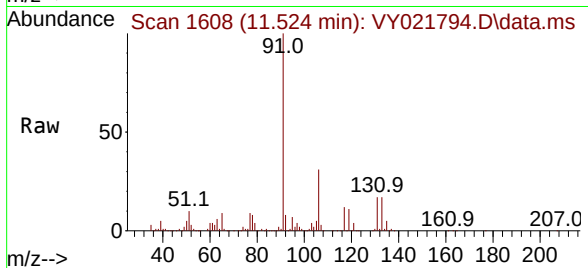




#67
Ethyl Benzene
Concen: 51.687 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

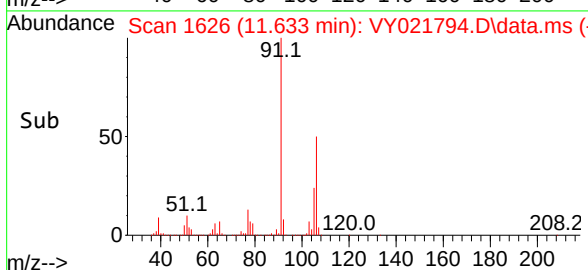
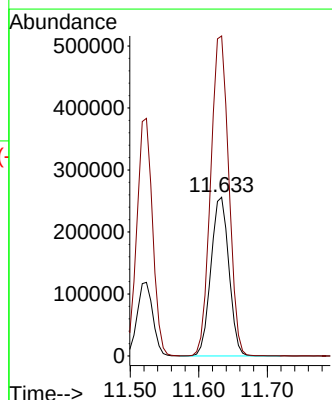
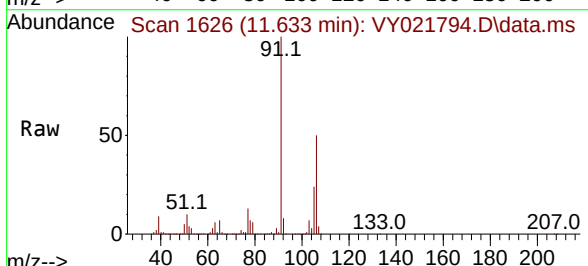
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

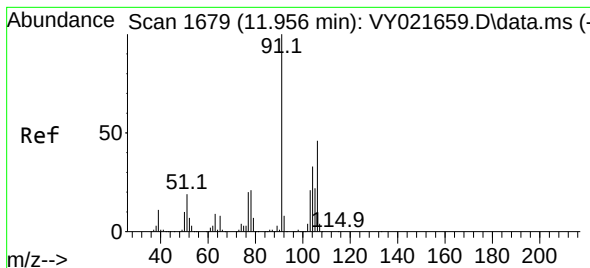
Tgt Ion: 91 Resp: 607101
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 103.887 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 106 Resp: 467260
Ion Ratio Lower Upper
106 100
91 202.6 162.4 243.6

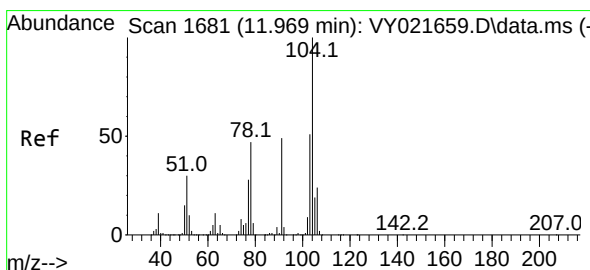
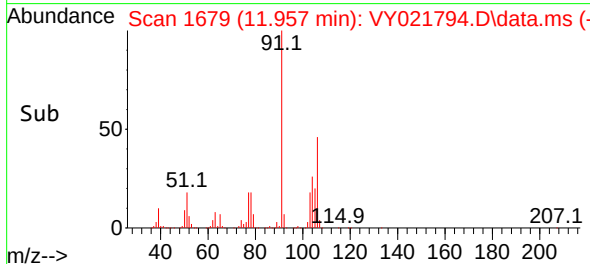
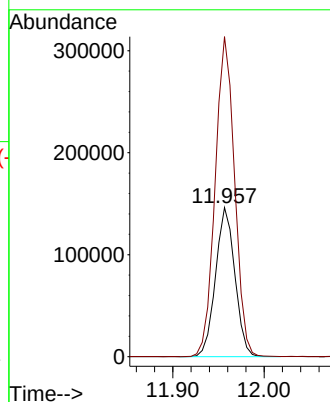
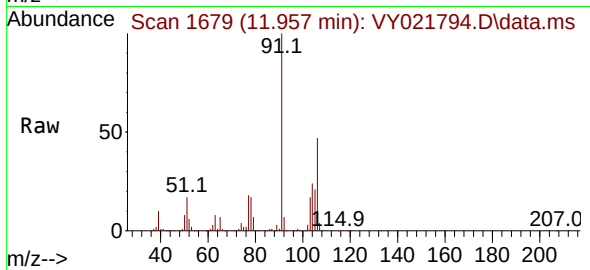




#69
o-Xylene
Concen: 51.935 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

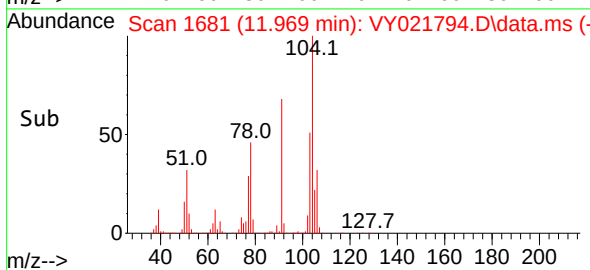
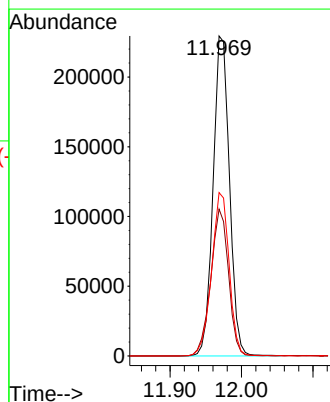
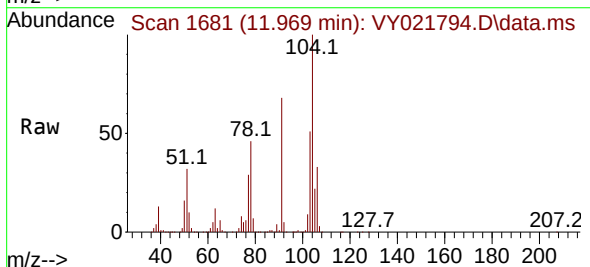
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

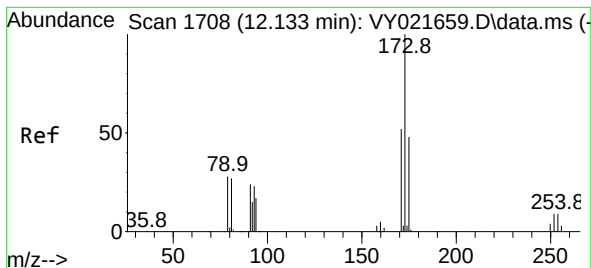
Tgt Ion:106 Resp: 215626
Ion Ratio Lower Upper
106 100
91 215.8 106.7 319.9



#70
Styrene
Concen: 52.649 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:104 Resp: 364462
Ion Ratio Lower Upper
104 100
78 49.8 40.8 61.2
103 54.8 44.2 66.2





#71

Bromoform

Concen: 49.483 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

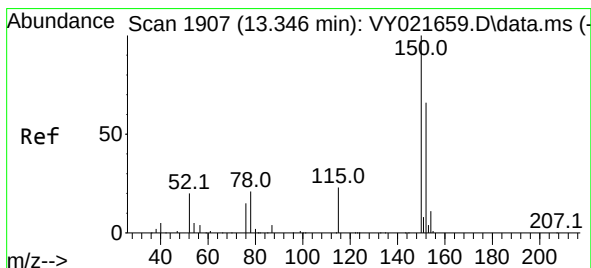
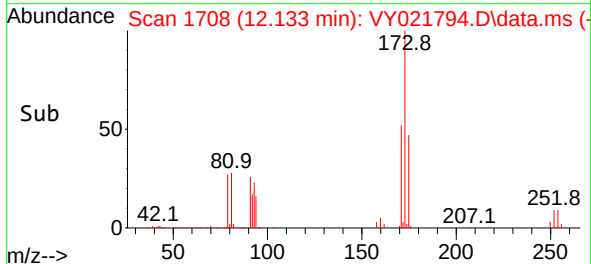
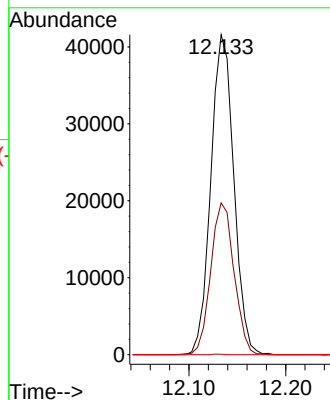
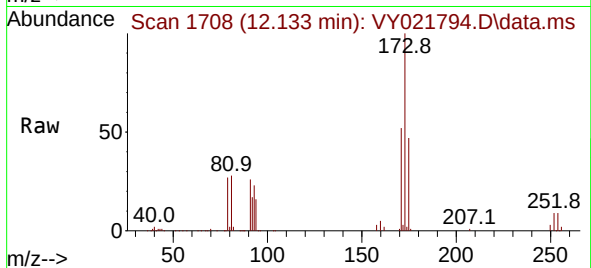
Tgt Ion:173 Resp: 68597

Ion Ratio Lower Upper

173 100

175 48.2 24.3 73.0

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

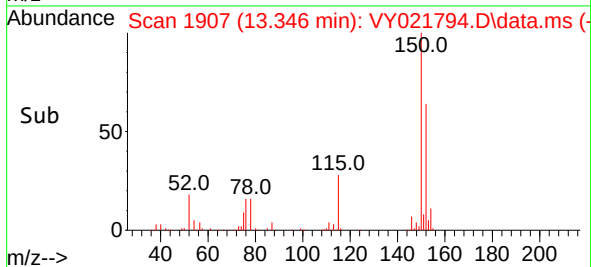
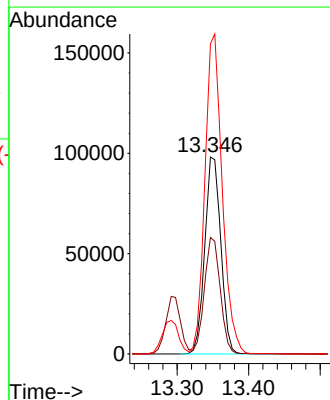
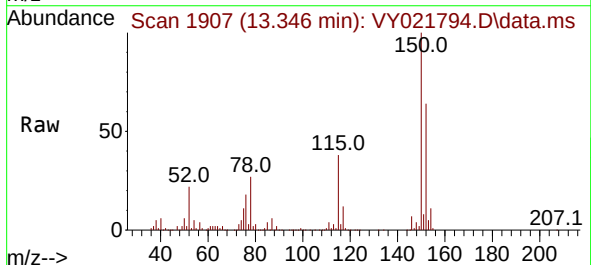
Tgt Ion:152 Resp: 153287

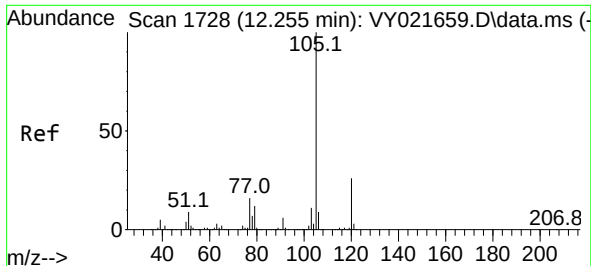
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 175.2 0.0 348.4

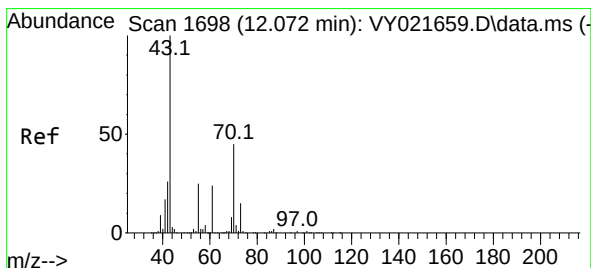
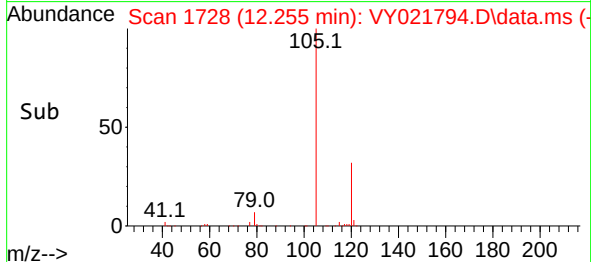
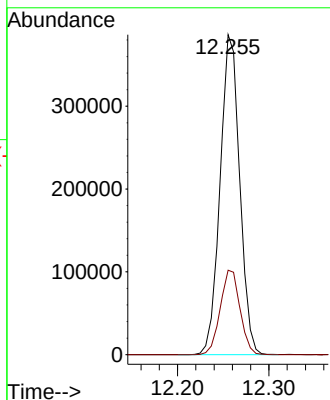
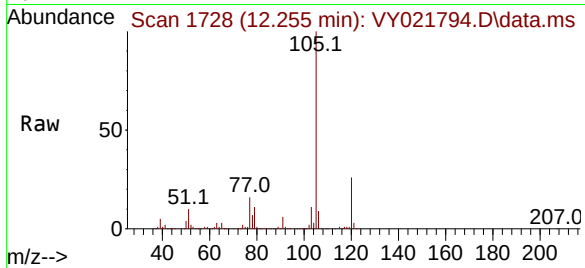




#73
Isopropylbenzene
Concen: 50.541 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

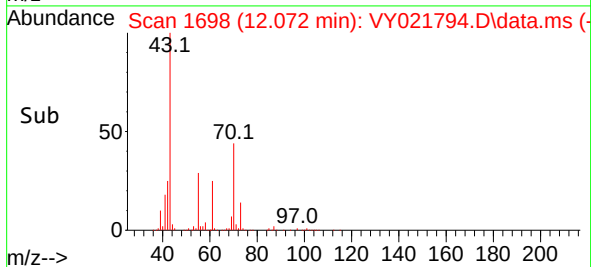
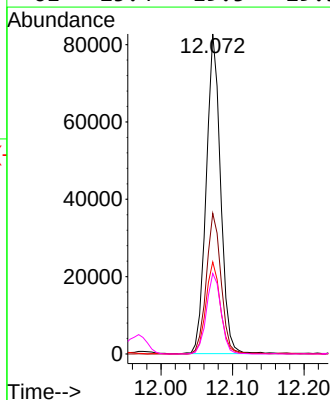
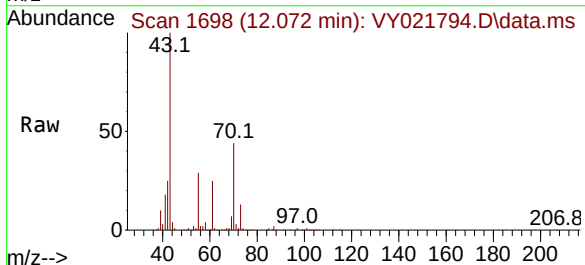
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

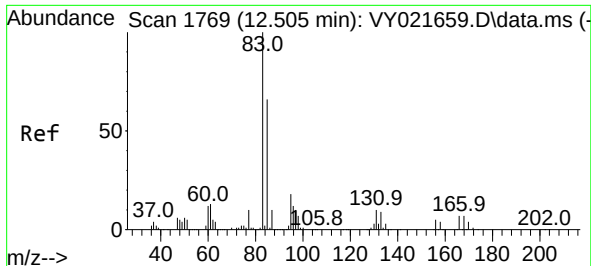
Tgt Ion:105 Resp: 575416
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5



#74
N-ethyl acetate
Concen: 43.148 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 115291
Ion Ratio Lower Upper
43 100
70 45.3 34.7 52.1
55 29.4 21.2 31.8
61 25.4 19.5 29.3

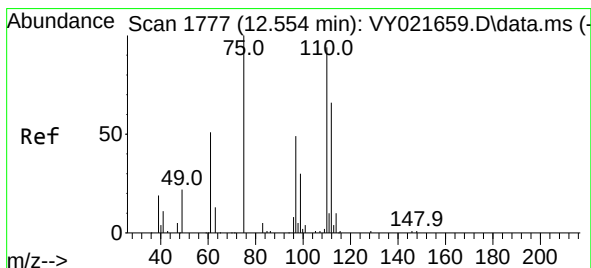
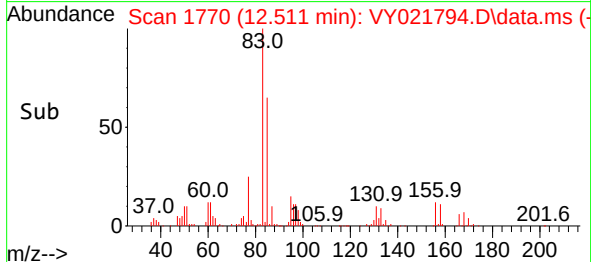
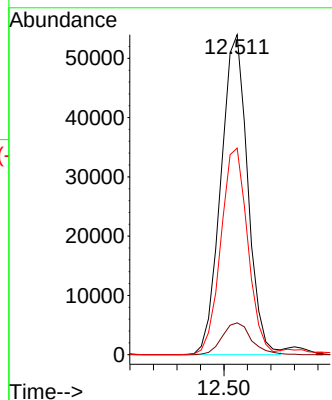
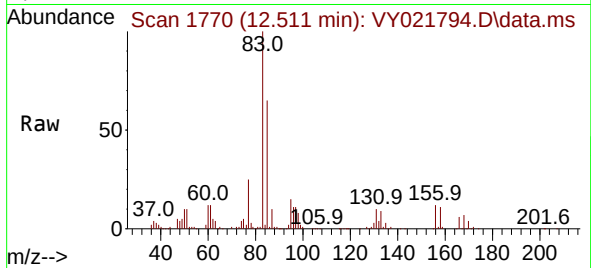




#75
1,1,2,2-Tetrachloroethane
Concen: 41.800 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

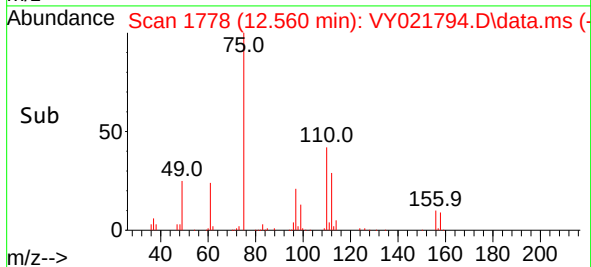
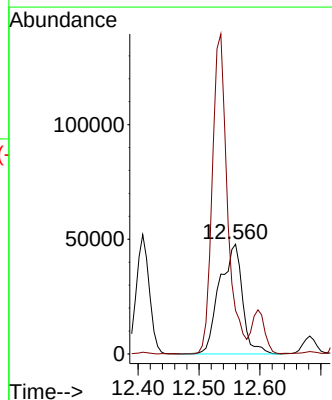
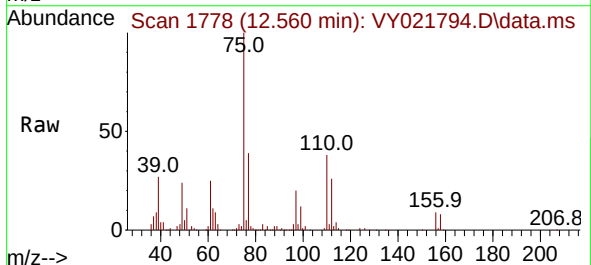
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

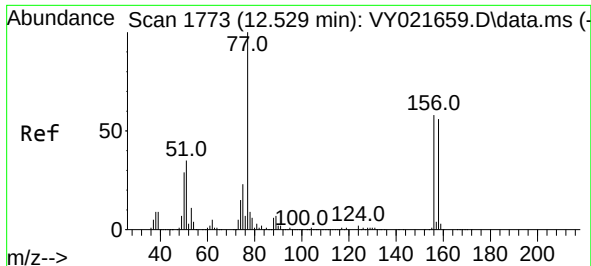
Tgt Ion: 83 Resp: 85563
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.3
85 65.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 82.309 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 125066
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

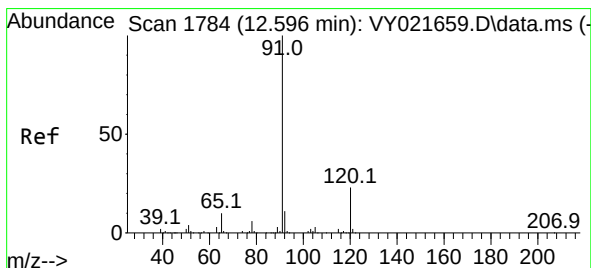
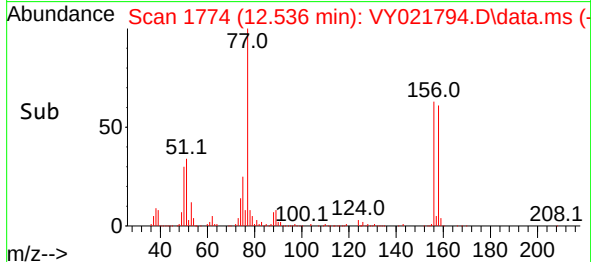
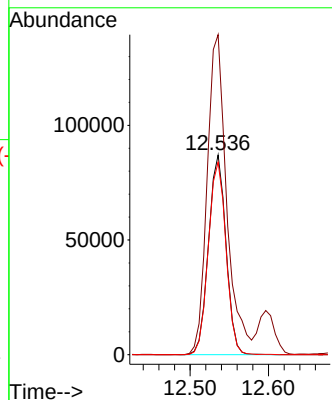
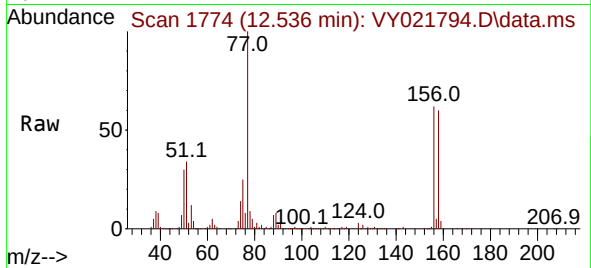




#77
Bromobenzene
Concen: 49.332 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

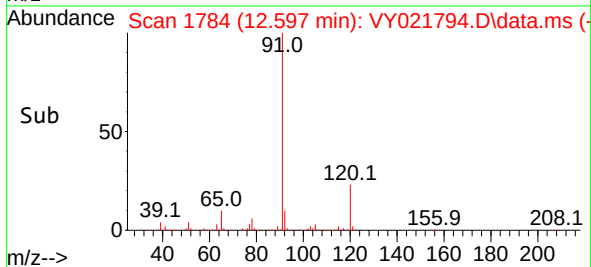
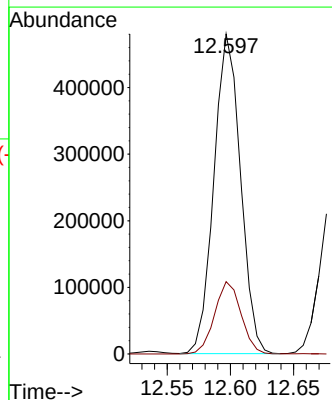
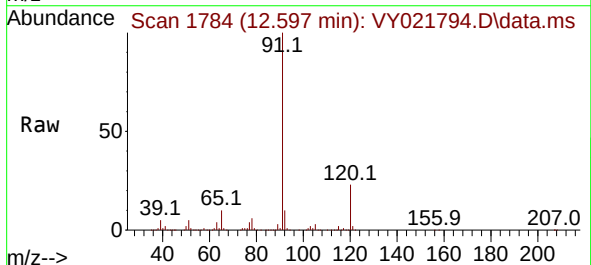
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

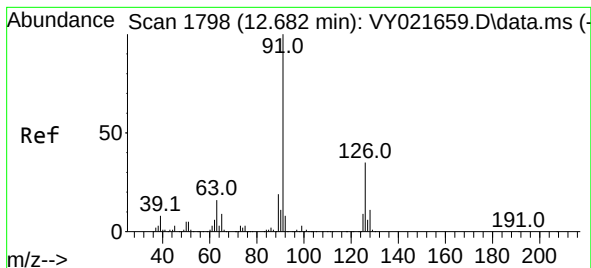
Tgt Ion:156 Resp: 134854
Ion Ratio Lower Upper
156 100
77 179.4 92.8 278.3
158 97.3 48.5 145.6



#78
n-propylbenzene
Concen: 51.186 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 700624
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9

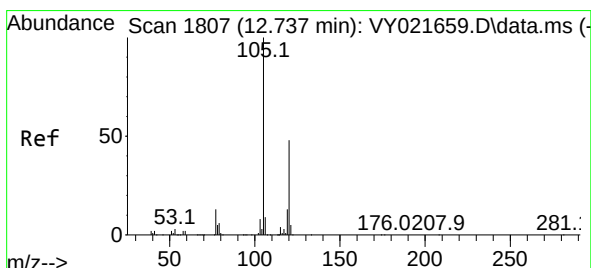
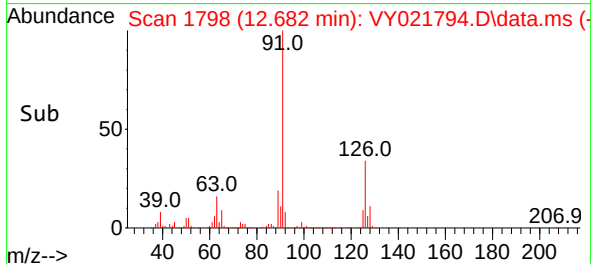
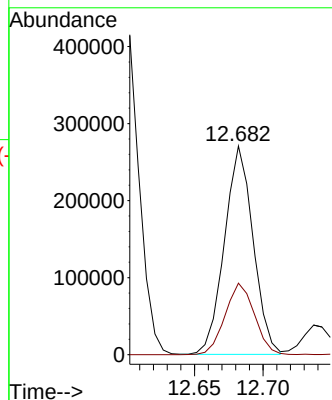
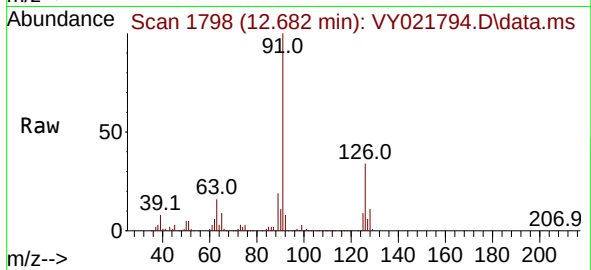




#79
2-Chlorotoluene
Concen: 49.576 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

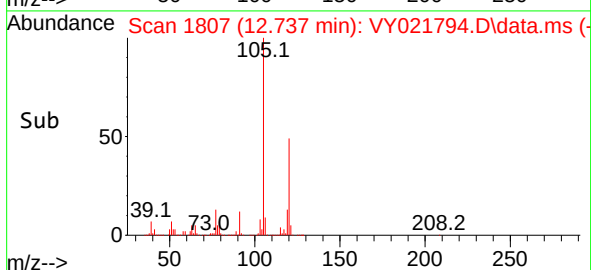
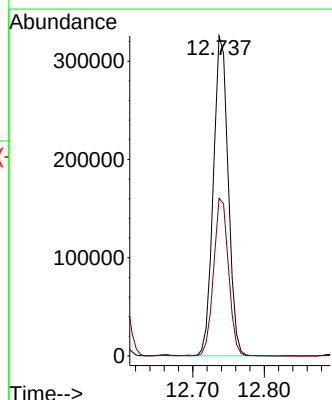
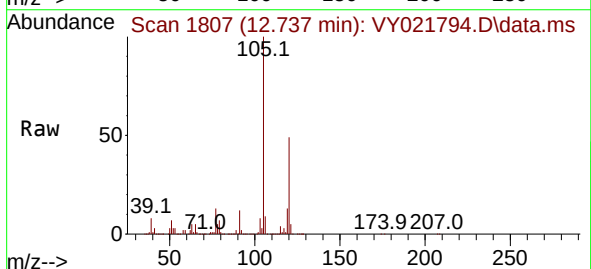
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

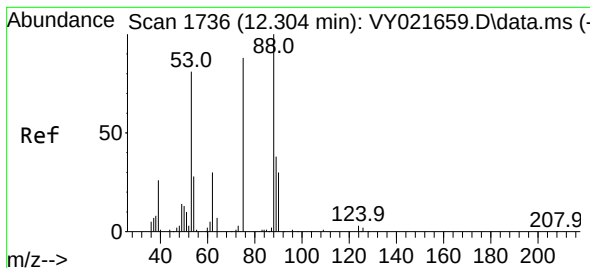
Tgt Ion: 91 Resp: 394135
Ion Ratio Lower Upper
91 100
126 35.1 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 50.524 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 105 Resp: 470123
Ion Ratio Lower Upper
105 100
120 49.6 24.5 73.5

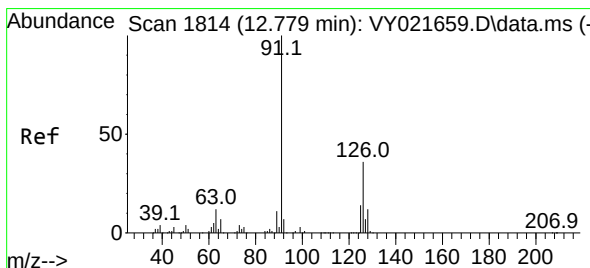
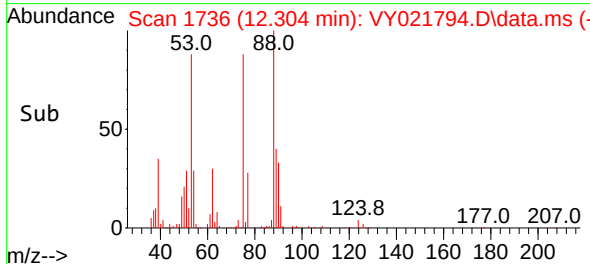
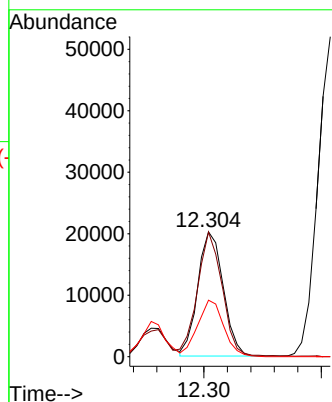
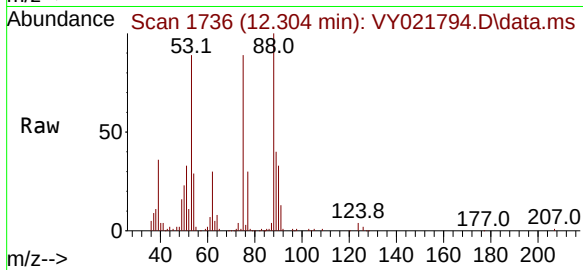




#81
trans-1,4-Dichloro-2-butene
Concen: 46.192 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

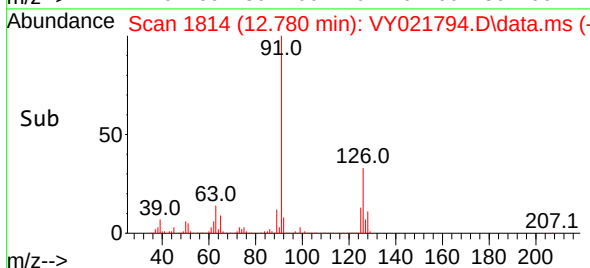
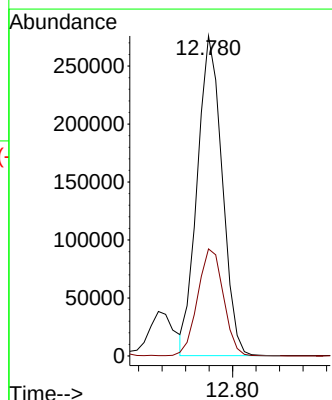
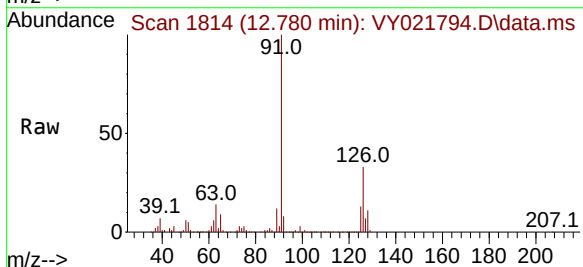
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

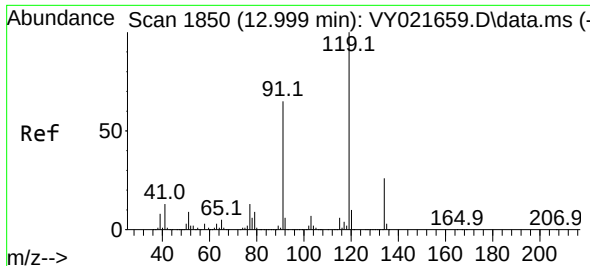
Tgt Ion: 75 Resp: 30461
Ion Ratio Lower Upper
75 100
53 98.2 76.1 114.1
89 46.6 36.2 54.4



#82
4-Chlorotoluene
Concen: 48.877 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 405107
Ion Ratio Lower Upper
91 100
126 34.8 17.0 50.9

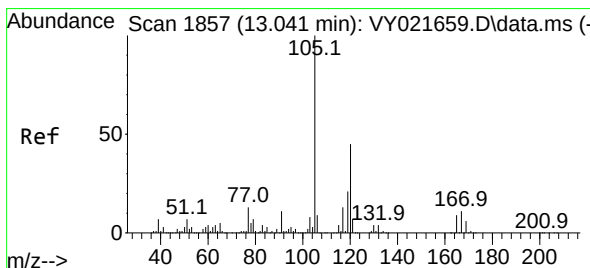
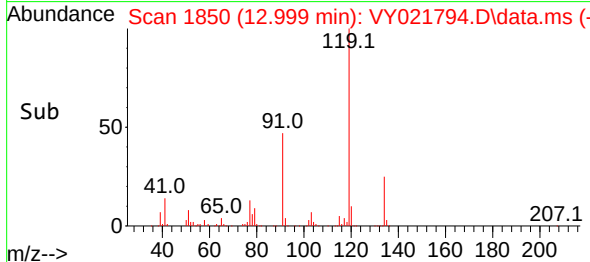
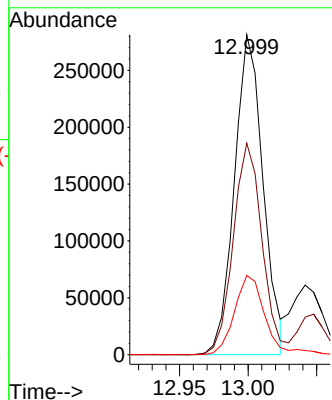
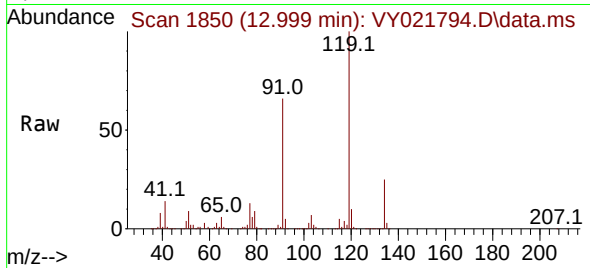




#83
 tert-Butylbenzene
 Concen: 49.404 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

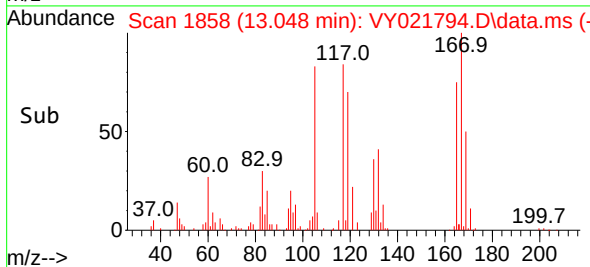
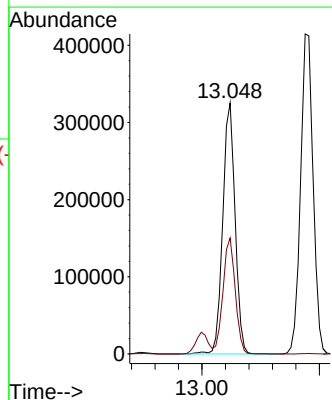
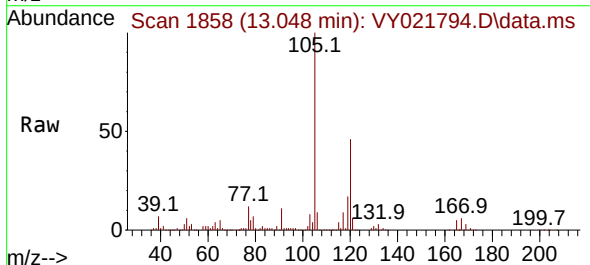
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

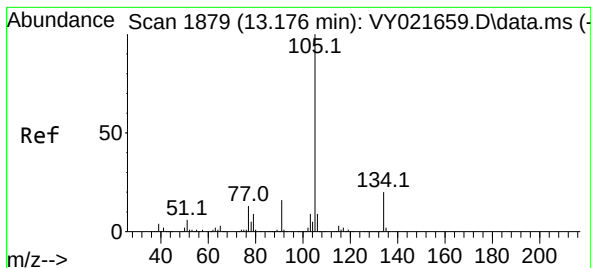
Tgt Ion:	119	Resp:	409458
Ion Ratio	Lower	Upper	
119	100		
91	66.7	32.6	97.7
134	26.6	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.475 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

Tgt Ion:	105	Resp:	473400
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.7	68.1





#85

sec-Butylbenzene

Concen: 50.544 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

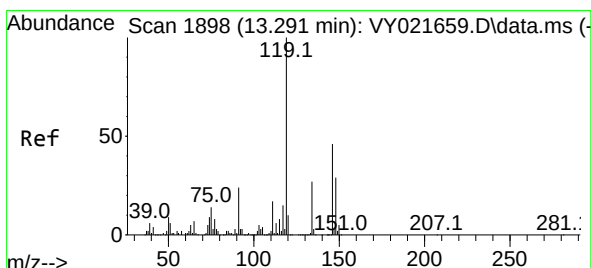
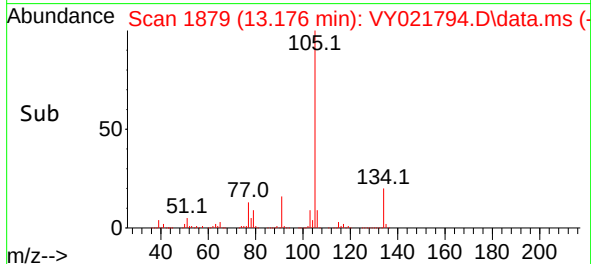
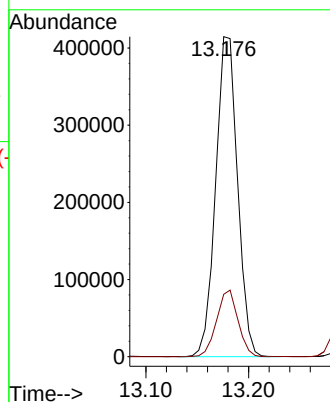
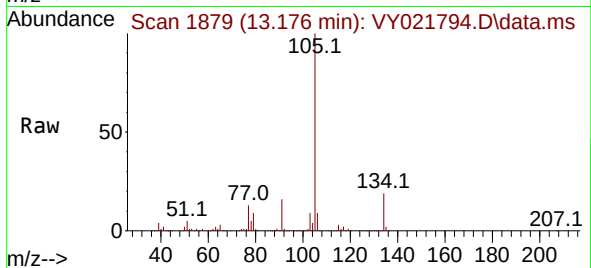
VSTDCCC050

Tgt Ion:105 Resp: 612188

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 51.605 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

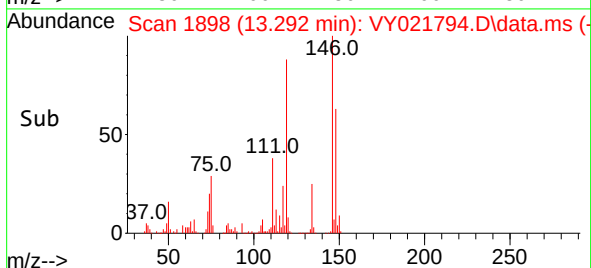
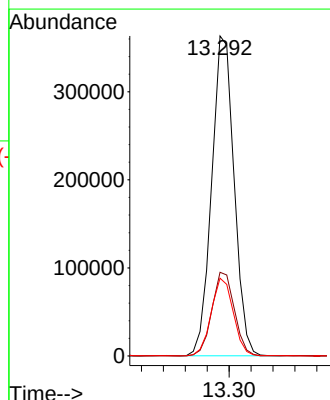
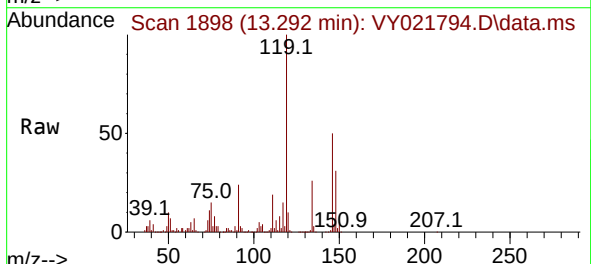
Tgt Ion:119 Resp: 516598

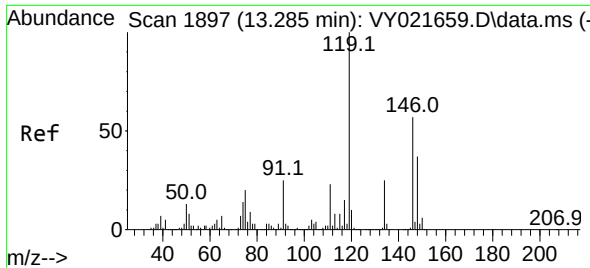
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 12.0 36.0

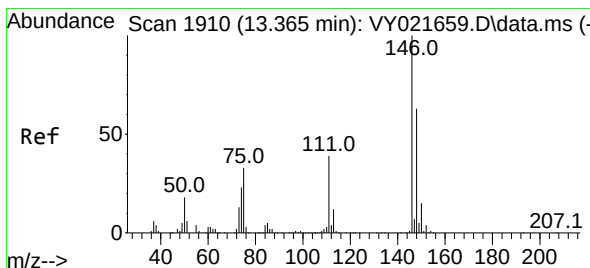
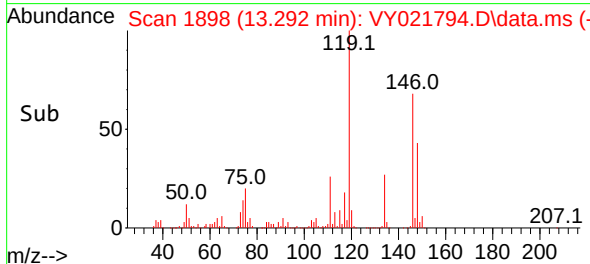
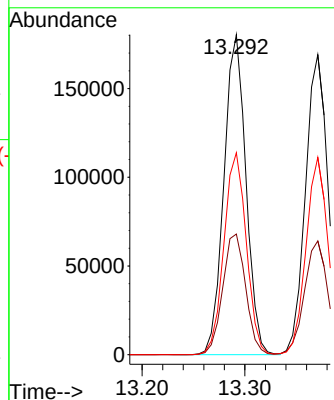
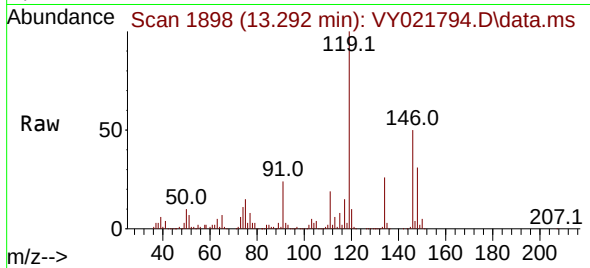




#87
 1,3-Dichlorobenzene
 Concen: 49.789 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

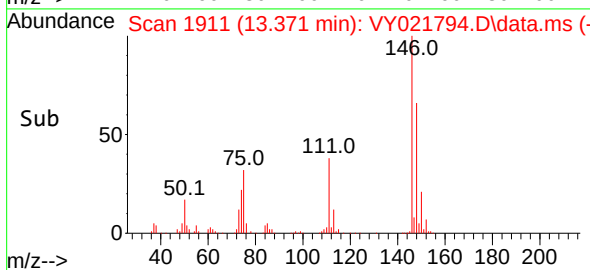
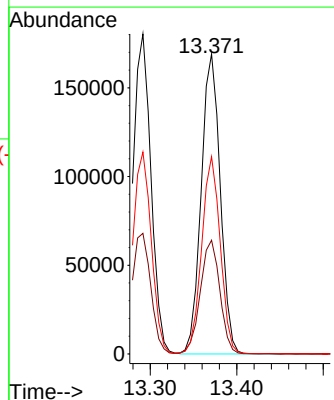
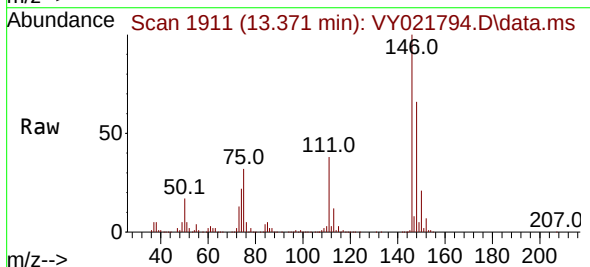
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

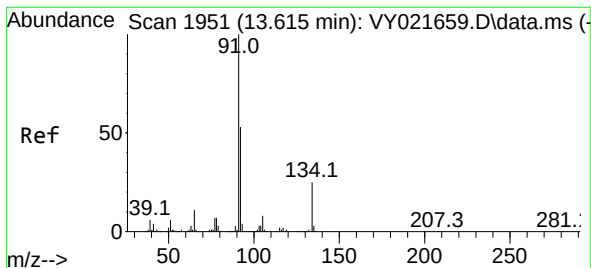
Tgt Ion:146 Resp: 268145
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.633 ug/l
 RT: 13.371 min Scan# 1911
 Delta R.T. 0.006 min
 Lab File: VY021794.D
 Acq: 07 Apr 2025 09:10

Tgt Ion:146 Resp: 258781
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.1
 148 64.1 31.5 94.5





#89

n-Butylbenzene

Concen: 50.487 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

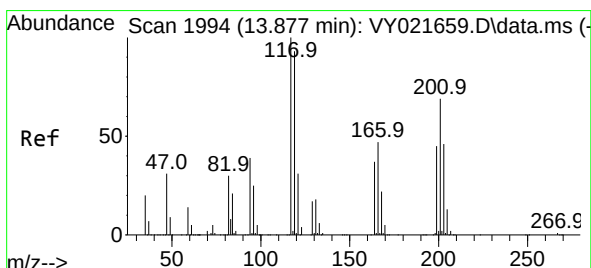
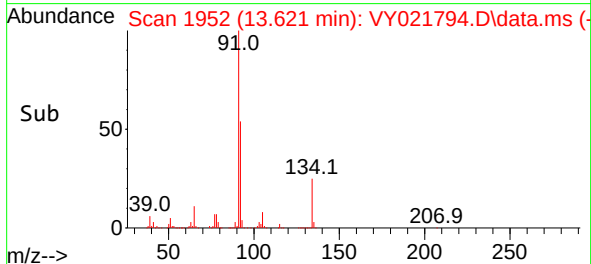
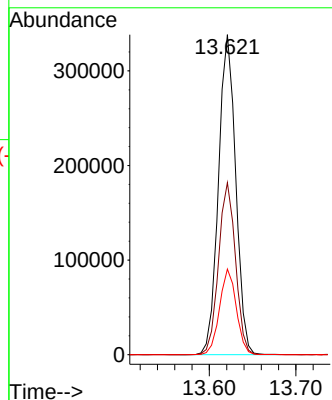
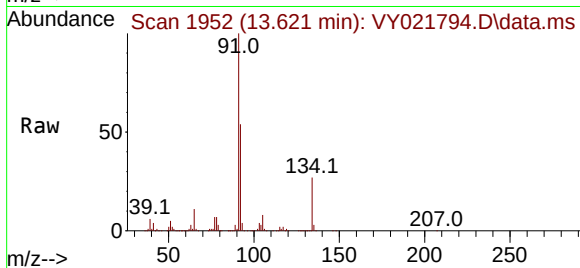
Tgt Ion: 91 Resp: 467407

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.2

134 26.0 12.8 38.4



#90

Hexachloroethane

Concen: 48.399 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021794.D

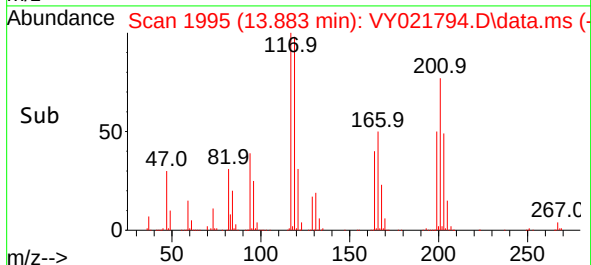
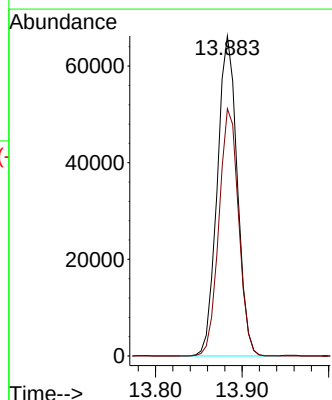
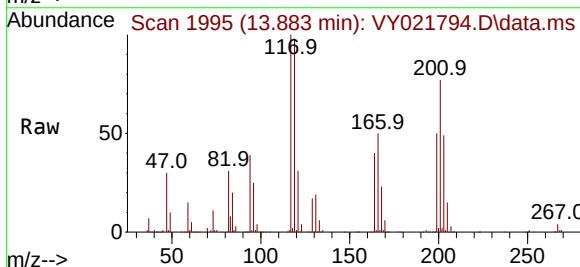
Acq: 07 Apr 2025 09:10

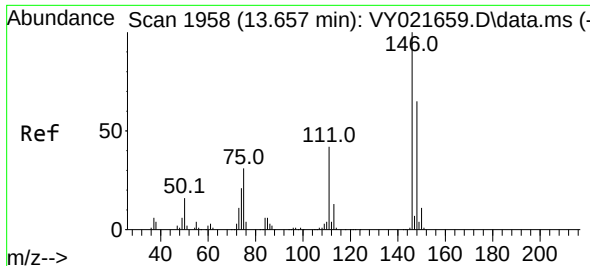
Tgt Ion: 117 Resp: 106174

Ion Ratio Lower Upper

117 100

201 75.9 37.4 112.1

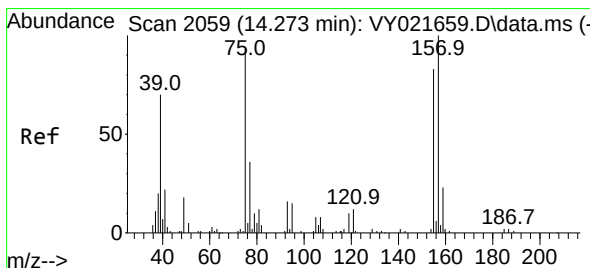
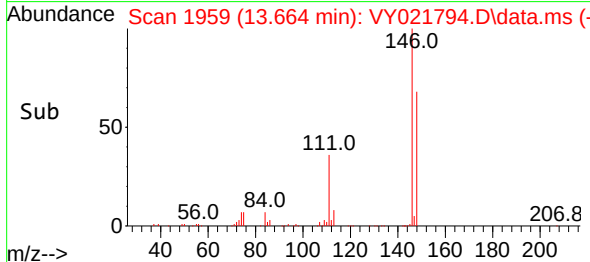
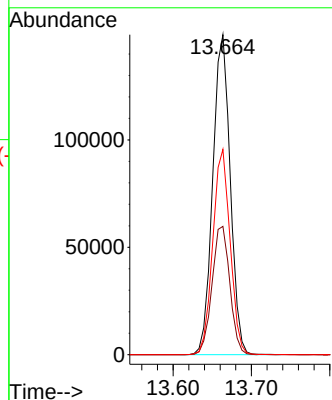
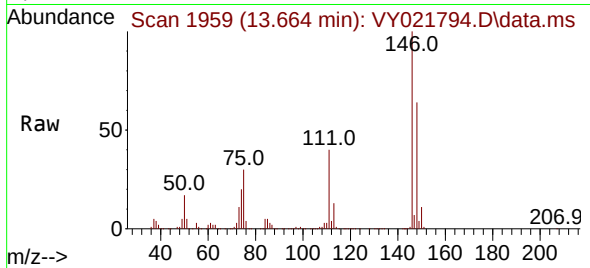




#91
1,2-Dichlorobenzene
Concen: 49.236 ug/l
RT: 13.664 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

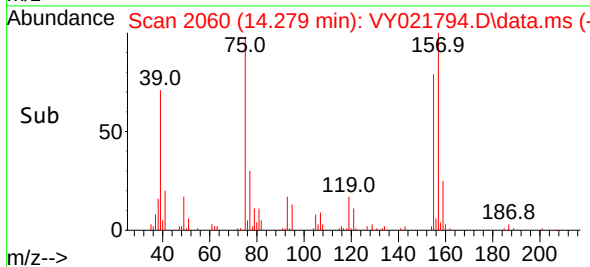
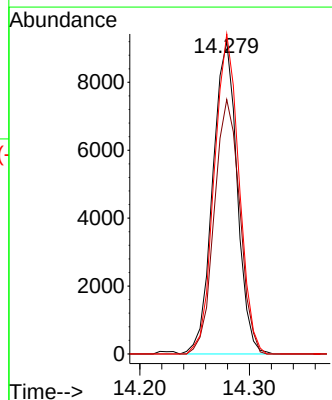
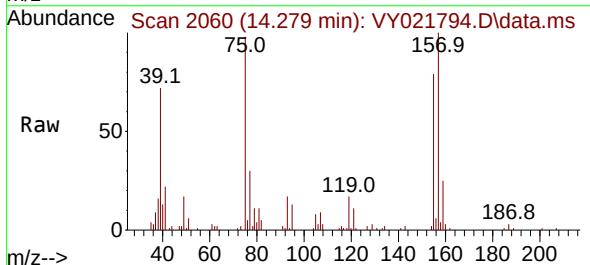
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

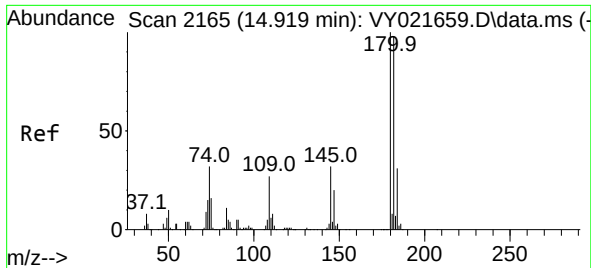
Tgt Ion:146 Resp: 230830
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 63.6 32.3 96.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.715 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

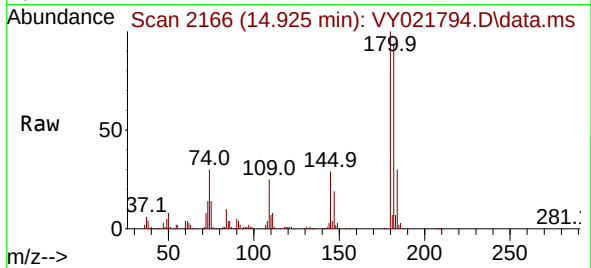
Tgt Ion: 75 Resp: 14186
Ion Ratio Lower Upper
75 100
155 84.9 43.0 128.8
157 104.0 54.0 162.0



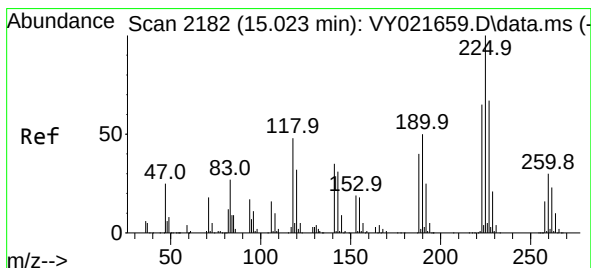
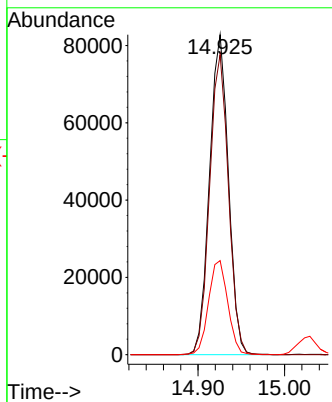
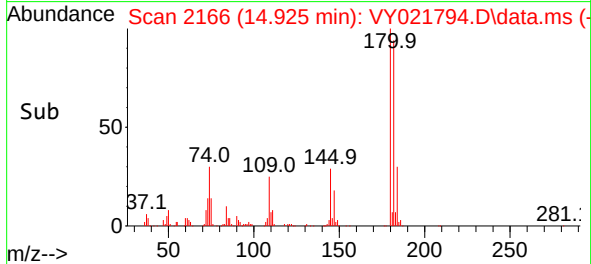


#93
1,2,4-Trichlorobenzene
Concen: 49.286 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

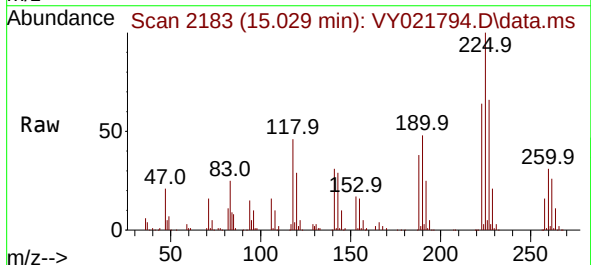
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



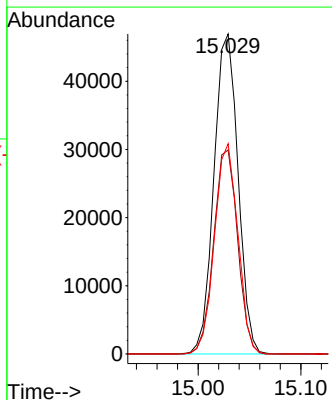
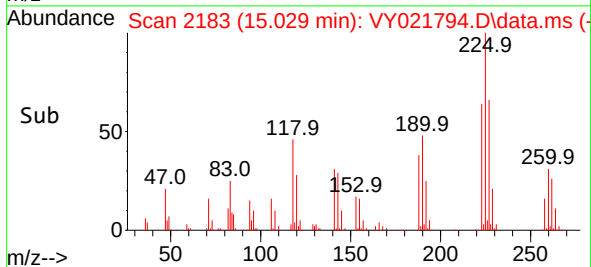
Tgt Ion:180 Resp: 125306
Ion Ratio Lower Upper
180 100
182 93.7 47.5 142.6
145 30.0 14.9 44.9

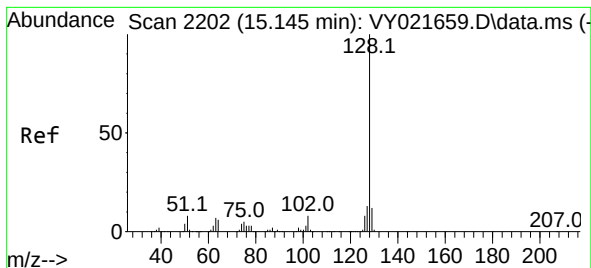


#94
Hexachlorobutadiene
Concen: 48.096 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10



Tgt Ion:225 Resp: 76368
Ion Ratio Lower Upper
225 100
223 63.5 31.9 95.7
227 63.8 32.4 97.0





#95

Naphthalene

Concen: 47.089 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

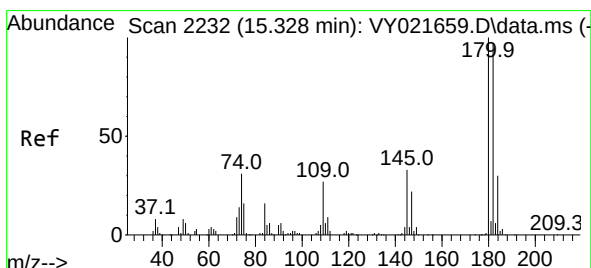
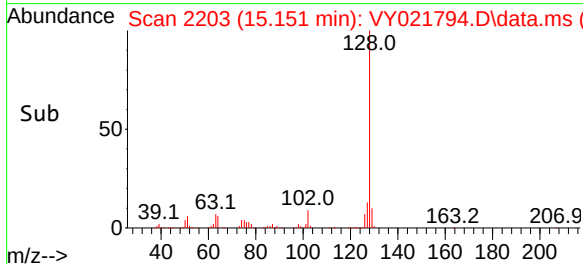
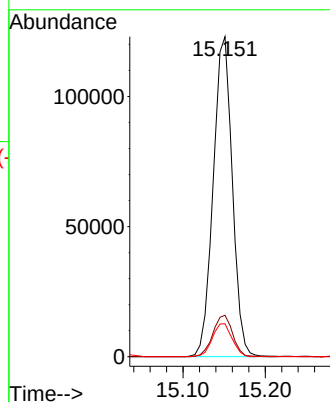
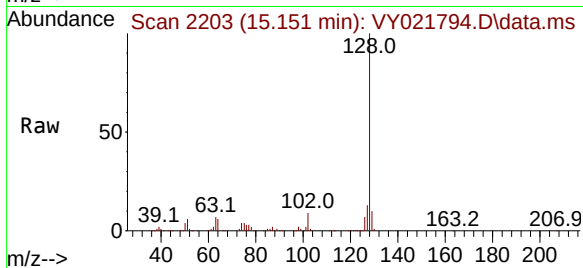
Tgt Ion:128 Resp: 198442

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 48.577 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021794.D

Acq: 07 Apr 2025 09:10

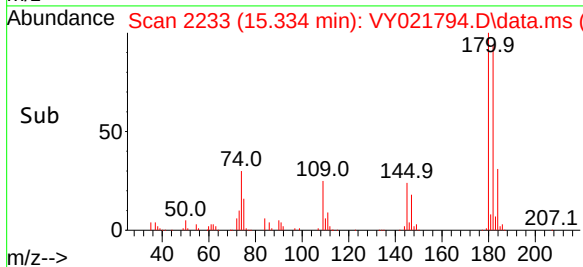
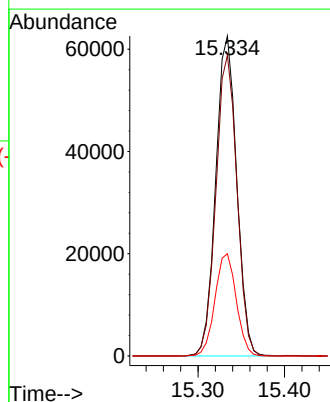
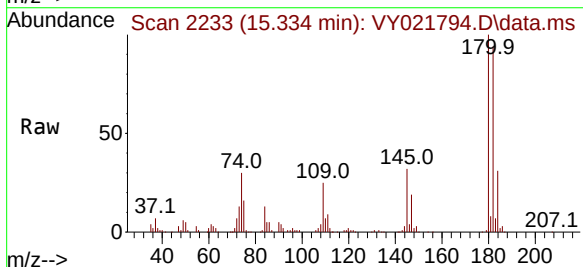
Tgt Ion:180 Resp: 105317

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.5

145 32.4 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021796.D
 Acq On : 07 Apr 2025 14:07
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	202553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	149046	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112714	51.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.720%	
35) Dibromofluoromethane	7.634	113	105448	51.133	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.260%	
50) Toluene-d8	10.109	98	402207	51.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.408	95	137431	51.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.580%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	36481	17.377	ug/l	98
3) Chloromethane	2.068	50	59151	20.037	ug/l	99
4) Vinyl Chloride	2.202	62	61511	18.425	ug/l	99
5) Bromomethane	2.592	94	48941	21.494	ug/l	98
6) Chloroethane	2.732	64	43322	19.831	ug/l	94
7) Trichlorofluoromethane	3.049	101	81090	18.961	ug/l	96
8) Diethyl Ether	3.458	74	21199	18.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	42352	18.776	ug/l	99
10) Methyl Iodide	4.007	142	44371	17.931	ug/l	99
11) Tert butyl alcohol	4.891	59	12162	85.320	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	38767	18.247	ug/l	94
13) Acrolein	3.653	56	12797	49.166	ug/l	98
14) Allyl chloride	4.385	41	61765	18.233	ug/l	98
15) Acrylonitrile	5.061	53	47002	96.790	ug/l	100
16) Acetone	3.879	43	33135	73.773	ug/l	97
17) Carbon Disulfide	4.104	76	123232	17.610	ug/l	99
18) Methyl Acetate	4.391	43	23144	20.791	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	97072	18.352	ug/l	96
20) Methylene Chloride	4.616	84	47543	19.254	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	43713	18.687	ug/l	93
22) Diisopropyl ether	6.018	45	137320	19.324	ug/l	96
23) Vinyl Acetate	5.964	43	378088	90.951	ug/l	98
24) 1,1-Dichloroethane	5.915	63	81273	19.127	ug/l	99
25) 2-Butanone	6.896	43	54867	85.526	ug/l	97
26) 2,2-Dichloropropane	6.890	77	67416	17.837	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	49651	18.874	ug/l	98
28) Bromochloromethane	7.250	49	35606	19.870	ug/l	97
29) Tetrahydrofuran	7.268	42	37752	91.436	ug/l	99
30) Chloroform	7.421	83	85674	19.386	ug/l	97
31) Cyclohexane	7.701	56	67135	17.333	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	74644	18.687	ug/l	98
36) 1,1-Dichloropropene	7.835	75	58414	18.597	ug/l	98
37) Ethyl Acetate	6.988	43	27713	18.694	ug/l	99
38) Carbon Tetrachloride	7.817	117	68118	18.934	ug/l	97
39) Methylcyclohexane	9.109	83	67315	17.939	ug/l	97
40) Benzene	8.085	78	181213	19.264	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021796.D
 Acq On : 07 Apr 2025 14:07
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14170	17.999	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	51227	19.317	ug/l	98
43) Isopropyl Acetate	8.195	43	51199	18.225	ug/l	97
44) Trichloroethene	8.865	130	48310	20.156	ug/l	92
45) 1,2-Dichloropropane	9.140	63	43310	19.451	ug/l	99
46) Dibromomethane	9.237	93	25621	19.965	ug/l	96
47) Bromodichloromethane	9.426	83	65208	19.610	ug/l	95
48) Methyl methacrylate	9.225	41	23219	18.008	ug/l	98
49) 1,4-Dioxane	9.243	88	4830	351.345	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	139834	95.649	ug/l	99
52) Toluene	10.170	92	114460	19.502	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	57318	19.407	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	67327	19.323	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33605	20.349	ug/l	98
56) Ethyl methacrylate	10.438	69	39586	18.773	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55754	19.548	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	101813	98.974	ug/l	98
59) 2-Hexanone	10.761	43	90772	93.230	ug/l	98
60) Dibromochloromethane	10.914	129	44536	19.752	ug/l	99
61) 1,2-Dibromoethane	11.018	107	30864	19.923	ug/l	99
64) Tetrachloroethene	10.646	164	55443	21.151	ug/l	96
65) Chlorobenzene	11.444	112	125282	18.989	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	44369	18.954	ug/l	98
67) Ethyl Benzene	11.524	91	206159	18.222	ug/l	98
68) m/p-Xylenes	11.633	106	162584	37.528	ug/l	98
69) o-Xylene	11.956	106	73961	18.495	ug/l	98
70) Styrene	11.975	104	124911	18.734	ug/l	99
71) Bromoform	12.133	173	26014	19.482	ug/l #	99
73) Isopropylbenzene	12.255	105	194649	17.583	ug/l	100
74) N-amyl acetate	12.072	43	43771	16.847	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	32796	16.478	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	47777	32.338	ug/l #	100
77) Bromobenzene	12.536	156	48789	18.356	ug/l	97
78) n-propylbenzene	12.596	91	239336	17.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	139496	18.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	164031	18.130	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11742	18.313	ug/l	96
82) 4-Chlorotoluene	12.779	91	145850	18.098	ug/l	98
83) tert-Butylbenzene	12.999	119	143987	17.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	163642	18.300	ug/l	99
85) sec-Butylbenzene	13.176	105	212353	18.031	ug/l	100
86) p-Isopropyltoluene	13.291	119	176872	18.171	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	96706	18.467	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	97404	18.826	ug/l	99
89) n-Butylbenzene	13.621	91	160545	17.835	ug/l	98
90) Hexachloroethane	13.883	117	38801	18.191	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	86743	19.029	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5765	18.688	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	44738	18.097	ug/l	99
94) Hexachlorobutadiene	15.029	225	29010	18.790	ug/l	97
95) Naphthalene	15.151	128	70526	17.212	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38125	18.085	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

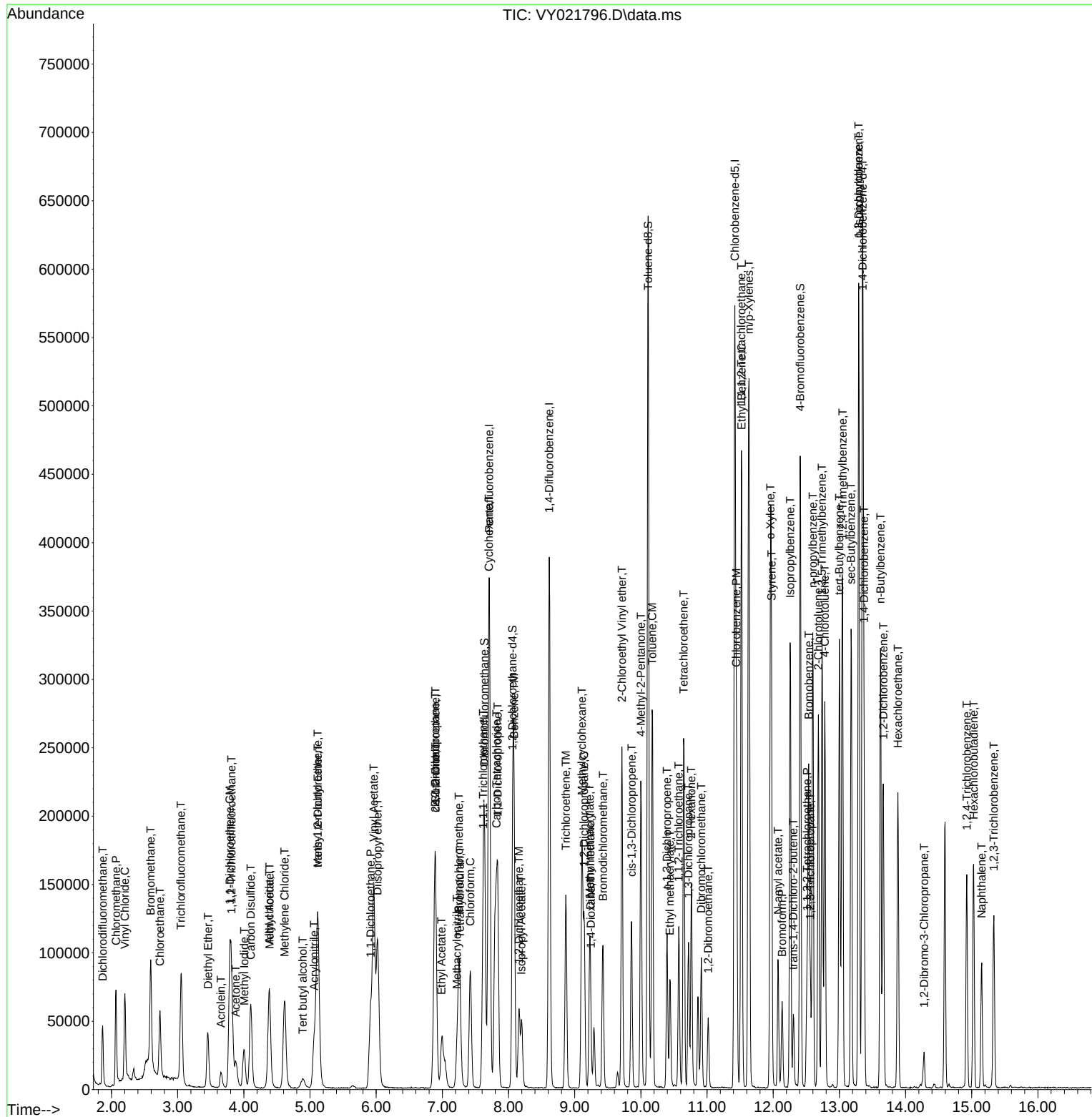
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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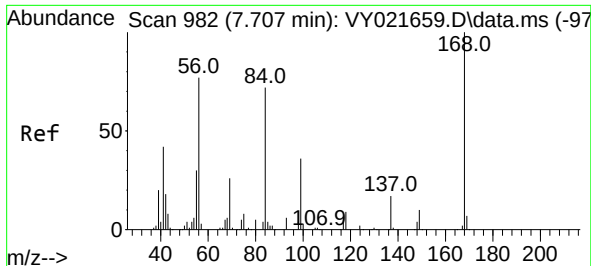
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

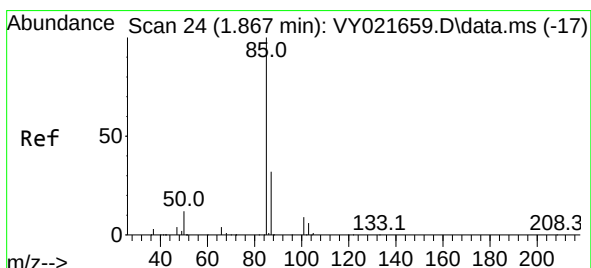
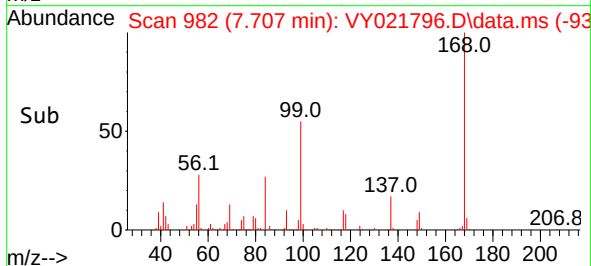
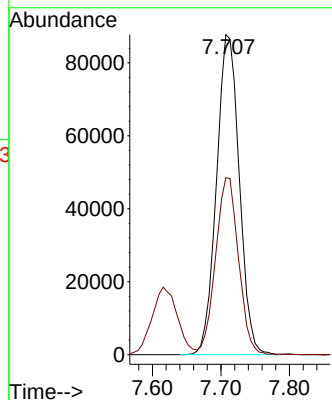
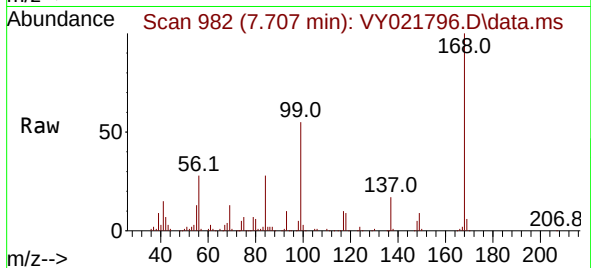




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

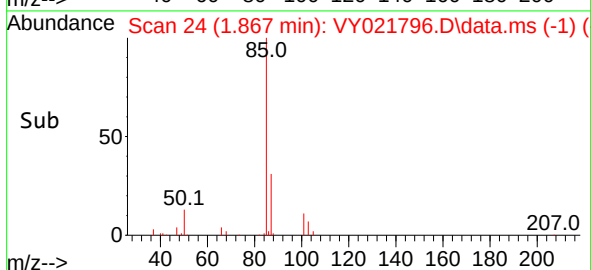
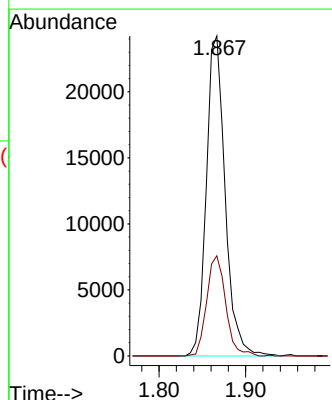
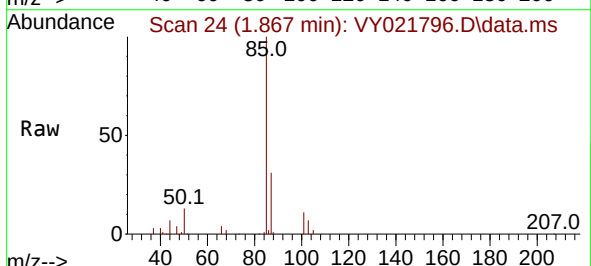
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

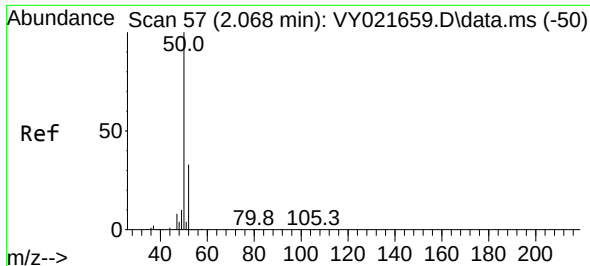
Tgt Ion:168 Resp: 202553
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 17.377 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 85 Resp: 36481
Ion Ratio Lower Upper
85 100
87 31.3 16.2 48.6

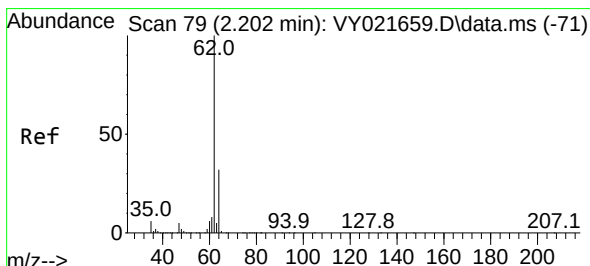
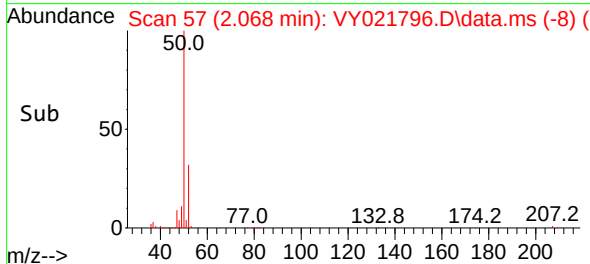
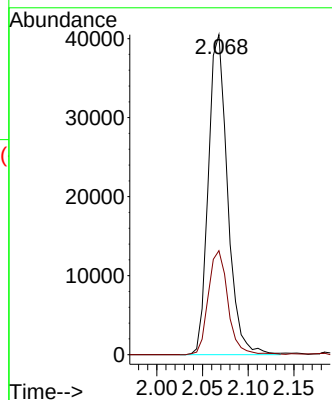
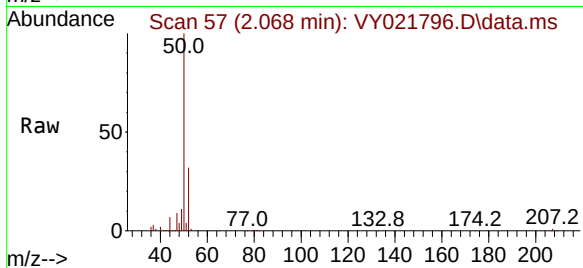




#3
Chloromethane
Concen: 20.037 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

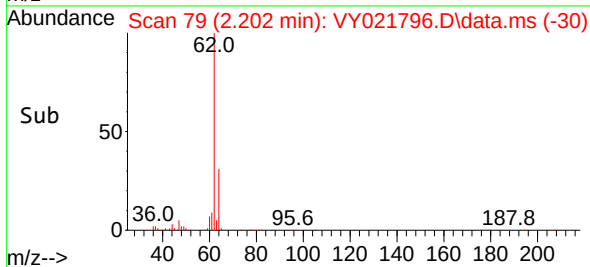
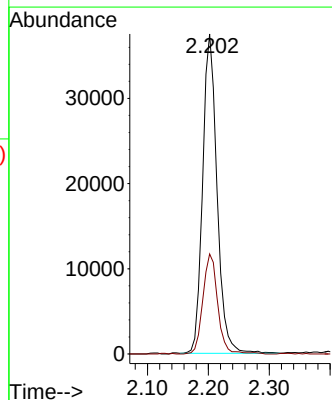
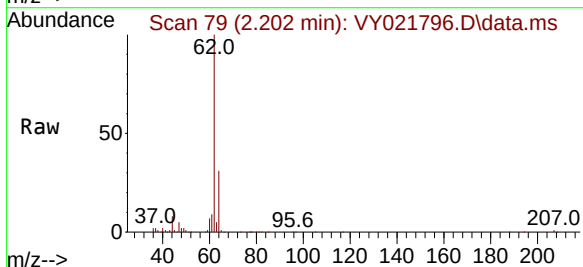
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

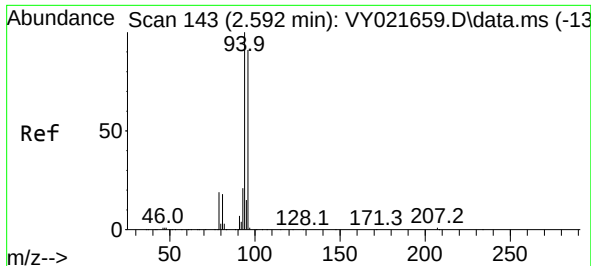
Tgt Ion: 50 Resp: 59151
Ion Ratio Lower Upper
50 100
52 32.5 26.3 39.5



#4
Vinyl Chloride
Concen: 18.425 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 62 Resp: 61511
Ion Ratio Lower Upper
62 100
64 31.3 25.5 38.3

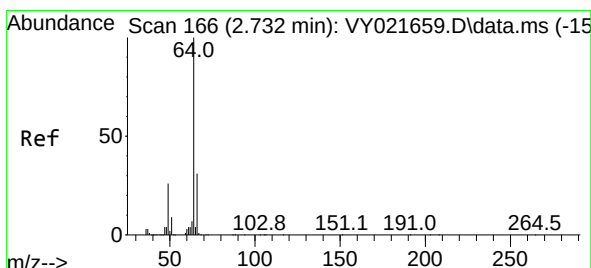
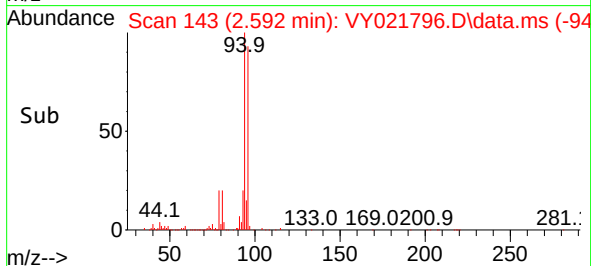
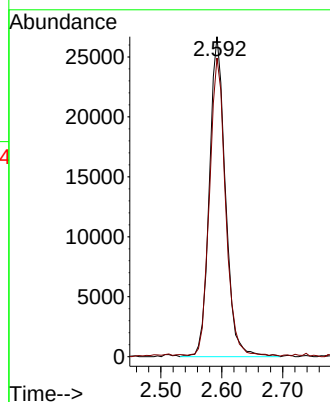
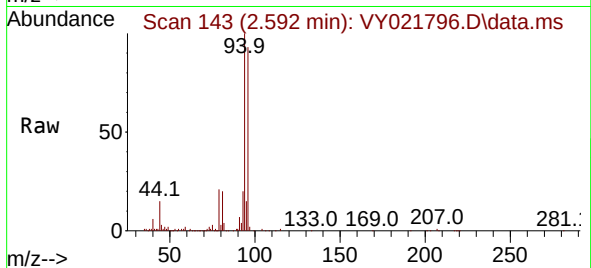




#5
Bromomethane
Concen: 21.494 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

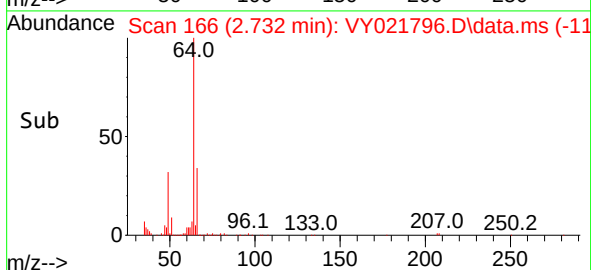
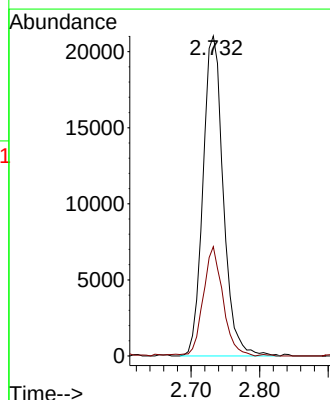
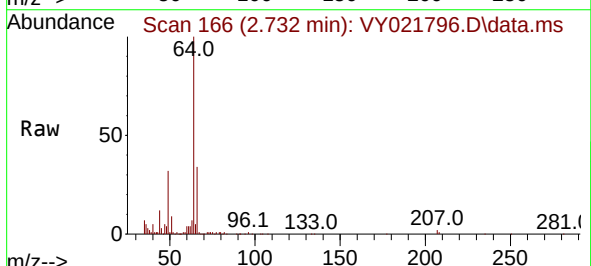
Instrument :
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ClientSampleId :
VY0407SBS01

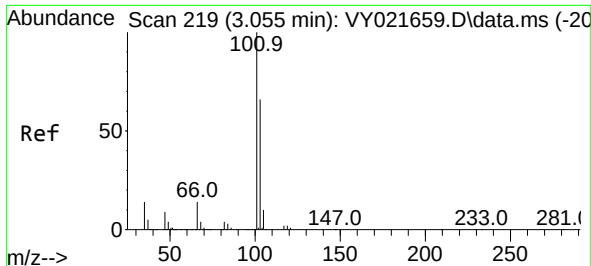
Tgt Ion: 94 Resp: 48941
Ion Ratio Lower Upper
94 100
96 93.1 72.8 109.2



#6
Chloroethane
Concen: 19.831 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 64 Resp: 43322
Ion Ratio Lower Upper
64 100
66 34.2 24.9 37.3

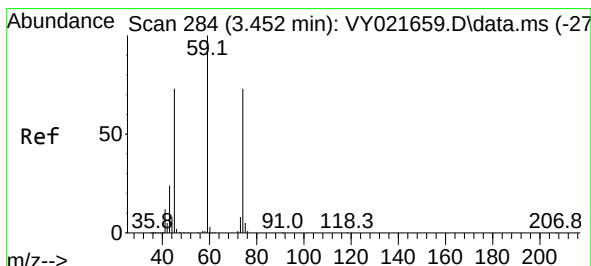
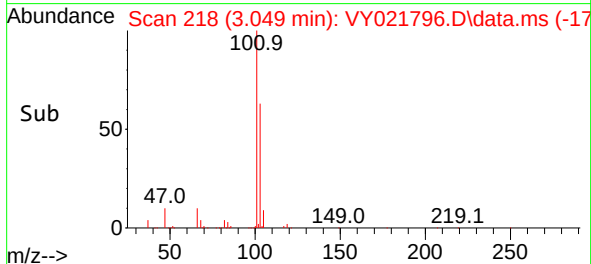
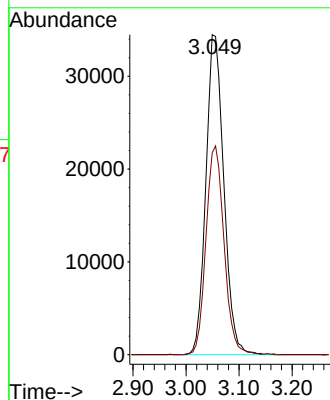
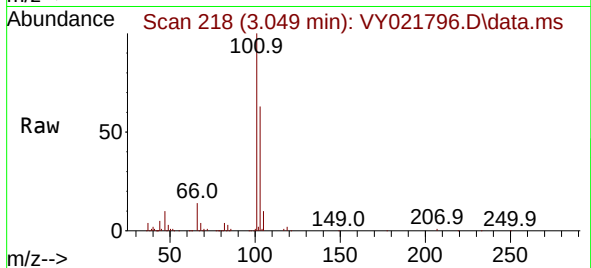




#7
 Trichlorofluoromethane
 Concen: 18.961 ug/l
 RT: 3.049 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY021796.D
 Acq: 07 Apr 2025 14:07

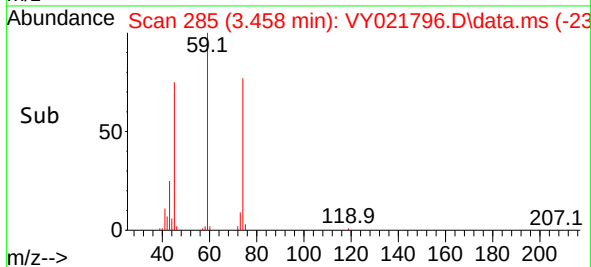
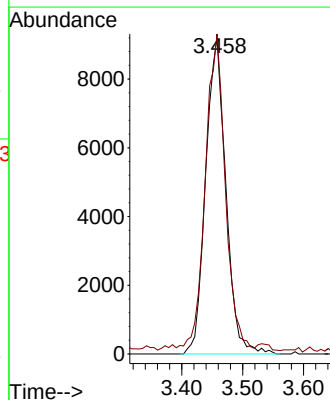
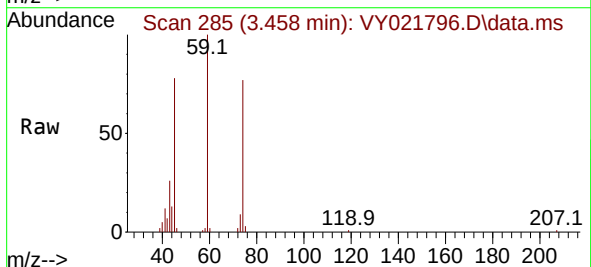
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

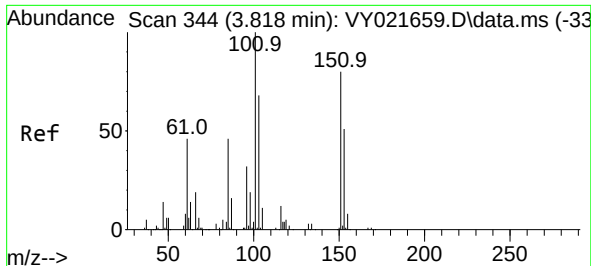
Tgt Ion:101 Resp: 81090
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.1 79.7



#8
 Diethyl Ether
 Concen: 18.227 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.006 min
 Lab File: VY021796.D
 Acq: 07 Apr 2025 14:07

Tgt Ion: 74 Resp: 21199
 Ion Ratio Lower Upper
 74 100
 45 97.9 48.6 145.8

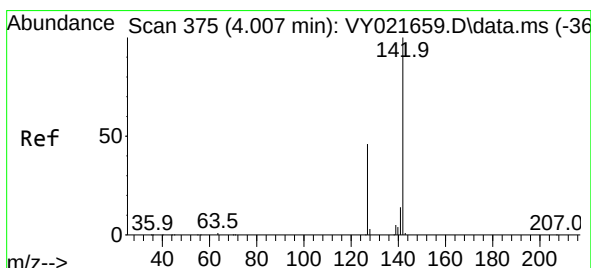
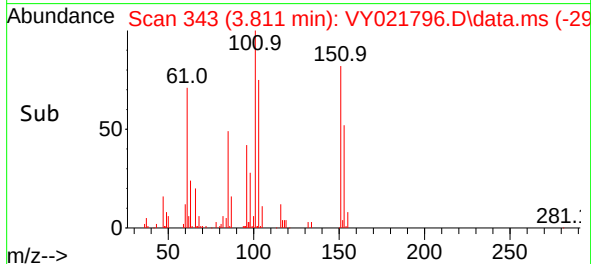
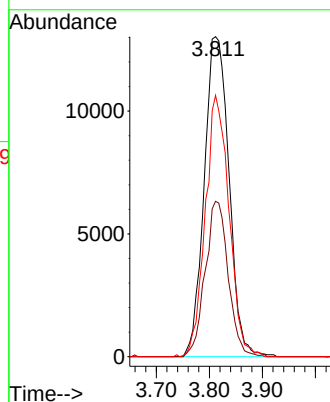
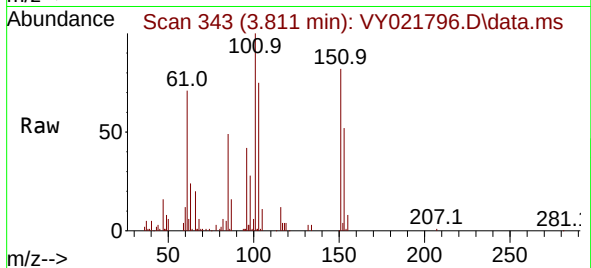




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.776 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

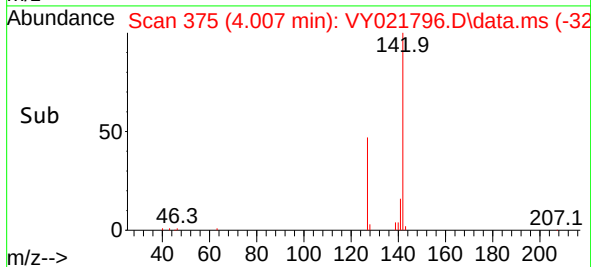
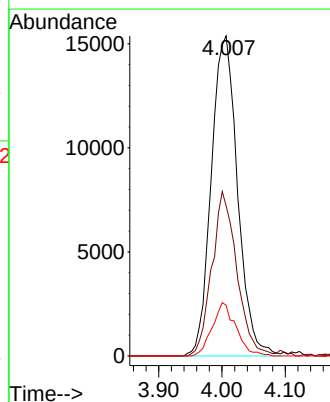
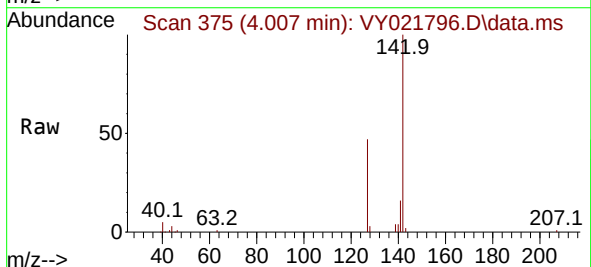
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

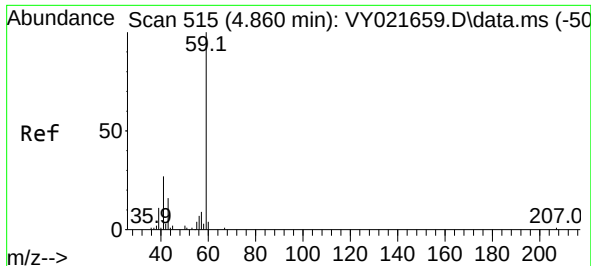
Tgt Ion:101 Resp: 42352
Ion Ratio Lower Upper
101 100
85 45.1 36.3 54.5
151 78.2 61.3 91.9



#10
Methyl Iodide
Concen: 17.931 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:142 Resp: 44371
Ion Ratio Lower Upper
142 100
127 48.7 38.7 58.1
141 15.1 11.5 17.3

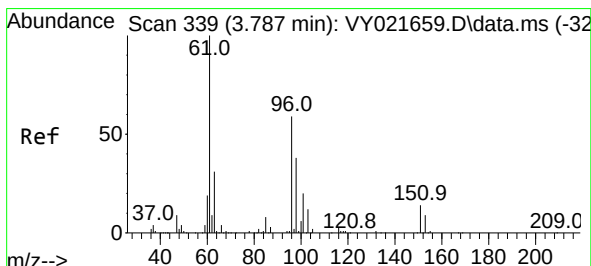
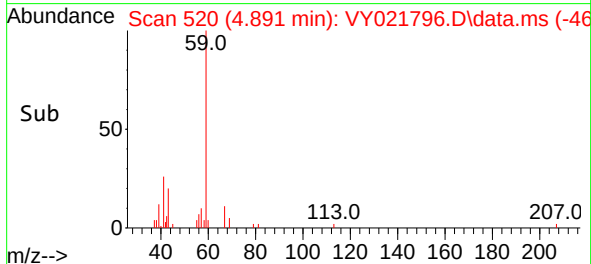
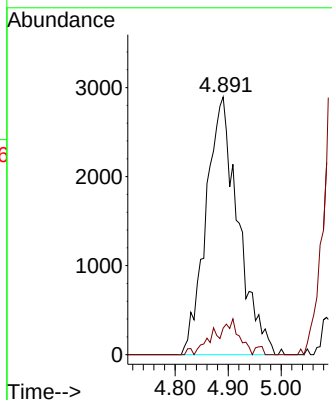
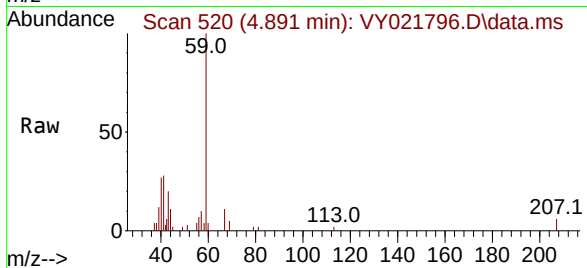




#11
Tert butyl alcohol
Concen: 85.320 ug/l
RT: 4.891 min Scan# 515
Delta R.T. 0.031 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

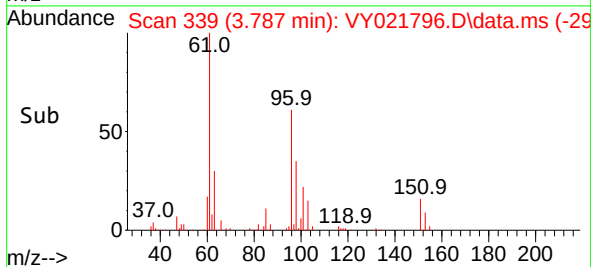
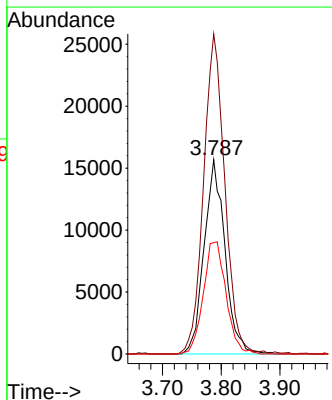
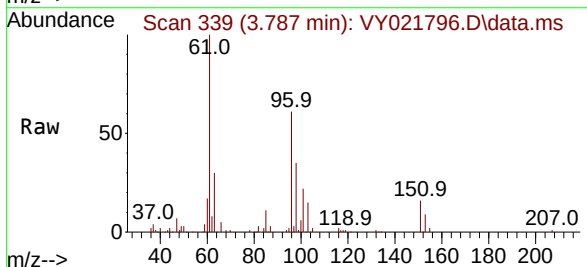
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

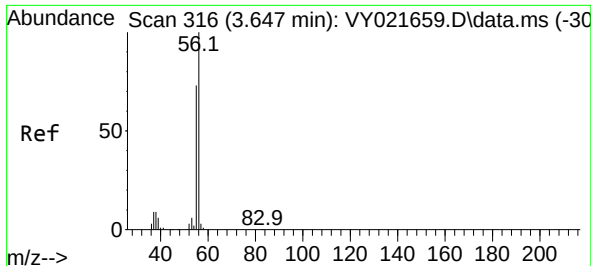
Tgt Ion: 59 Resp: 12162
Ion Ratio Lower Upper
59 100
57 6.4 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 18.247 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 96 Resp: 38767
Ion Ratio Lower Upper
96 100
61 164.7 136.6 204.8
98 57.3 52.3 78.5

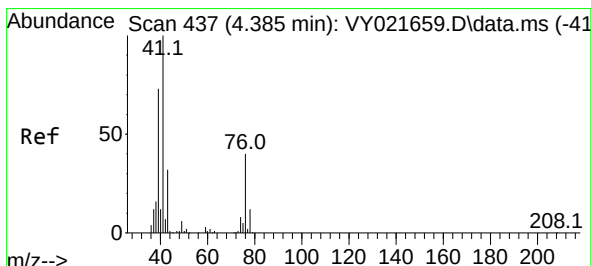
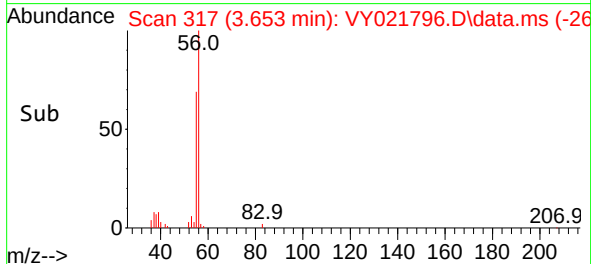
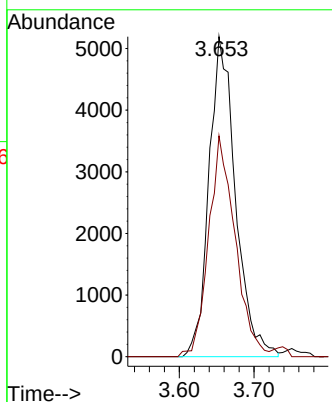
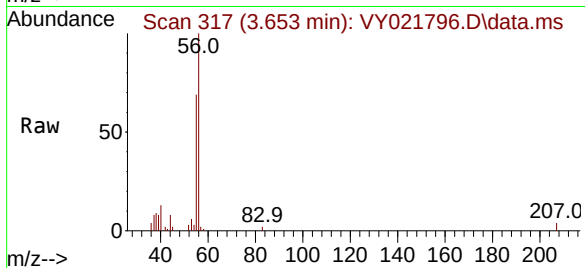




#13
Acrolein
Concen: 49.166 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

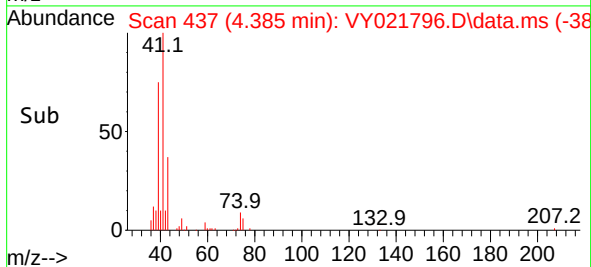
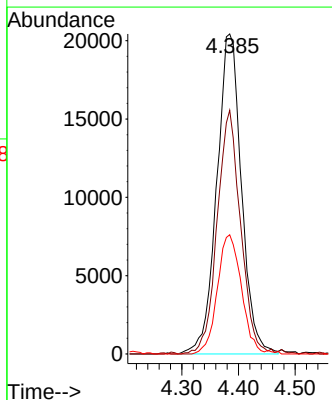
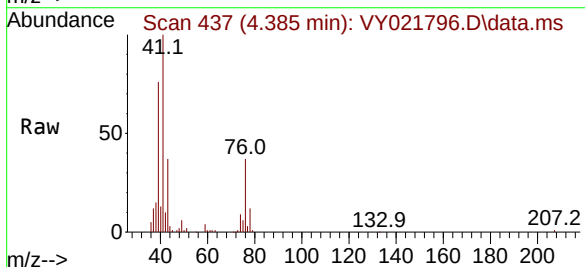
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

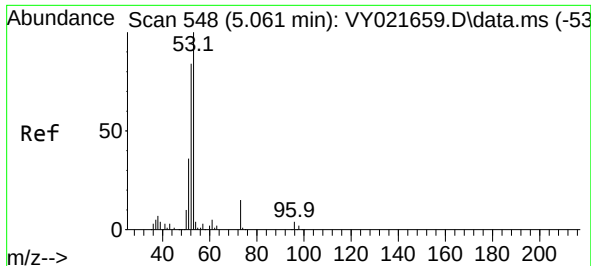
Tgt Ion: 56 Resp: 12797
Ion Ratio Lower Upper
56 100
55 69.0 56.6 85.0



#14
Allyl chloride
Concen: 18.233 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 61765
Ion Ratio Lower Upper
41 100
39 72.0 58.6 88.0
76 36.5 30.3 45.5

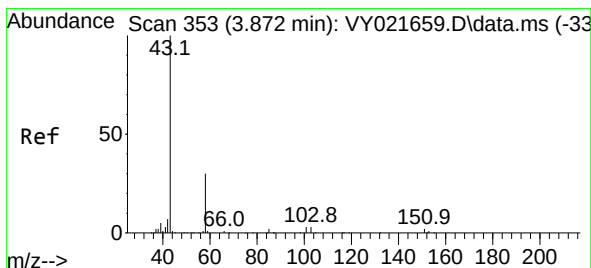
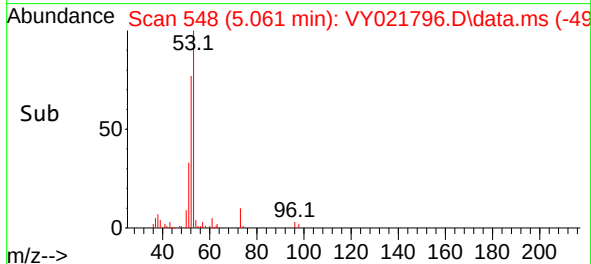
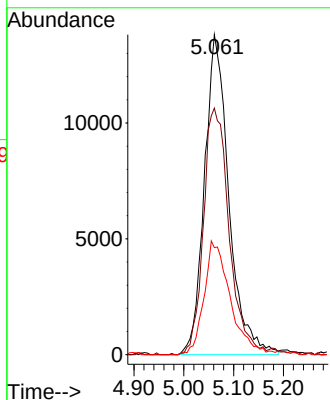
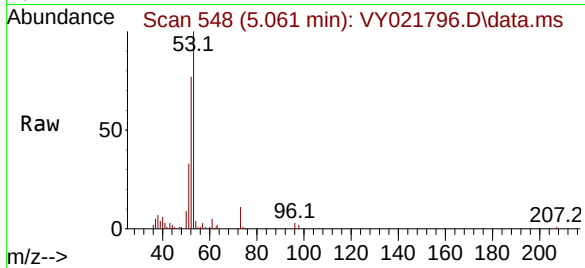




#15
Acrylonitrile
Concen: 96.790 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

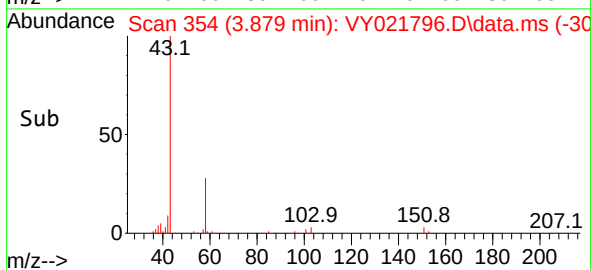
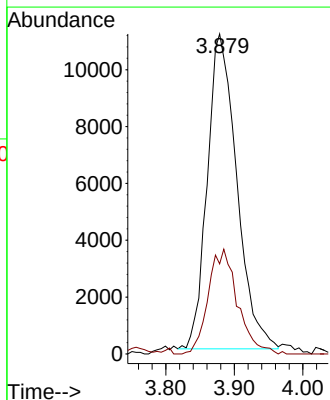
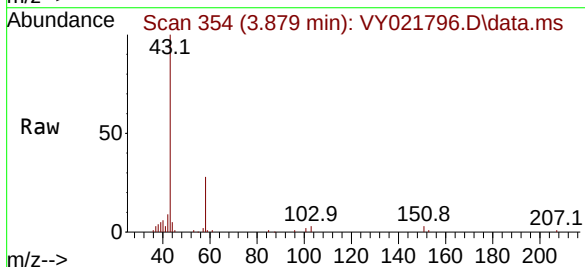
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

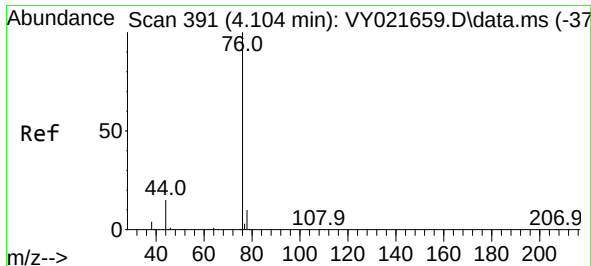
Tgt Ion:	53	Resp:	47002
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.9	97.3
51	38.1	30.2	45.2



#16
Acetone
Concen: 73.773 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:	43	Resp:	33135
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4

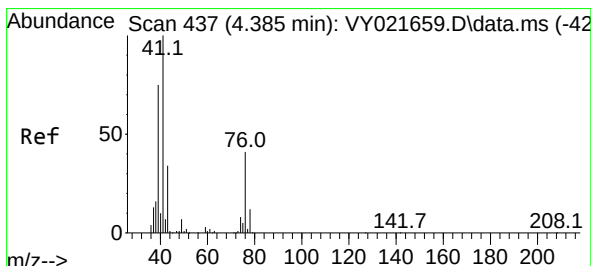
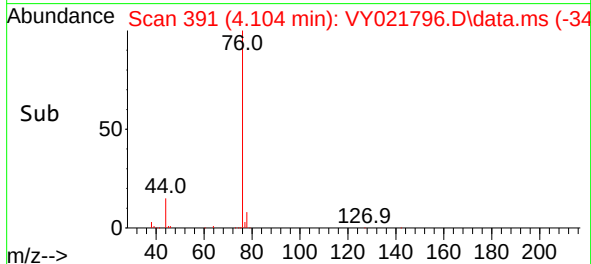
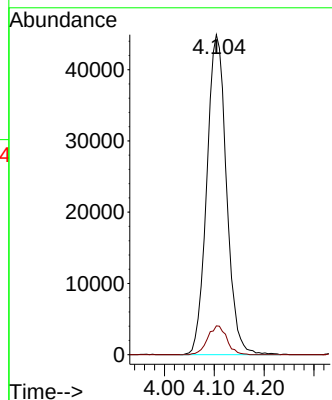
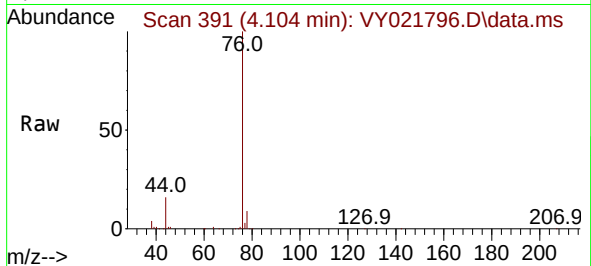




#17
Carbon Disulfide
Concen: 17.610 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

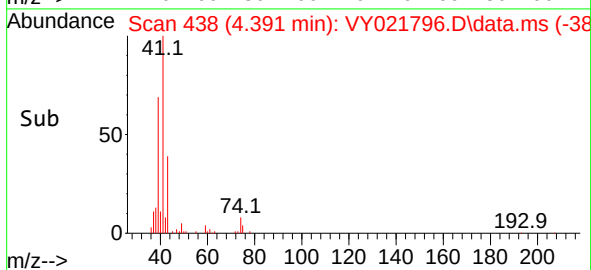
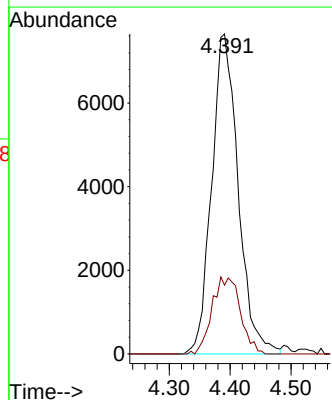
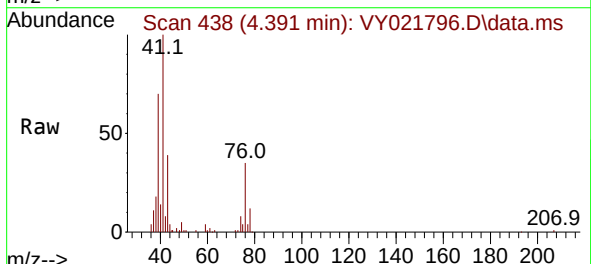
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

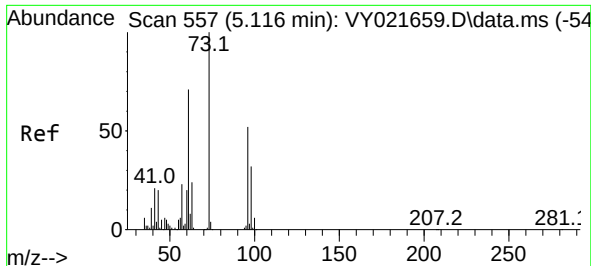
Tgt Ion: 76 Resp: 123232
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methyl Acetate
Concen: 20.791 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 23144
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.352 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

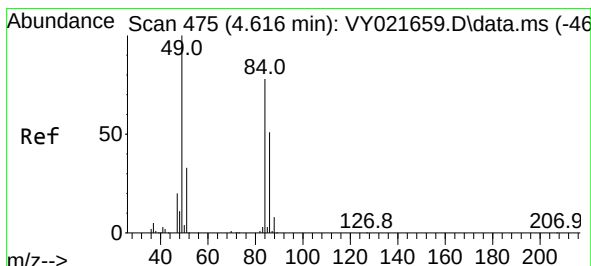
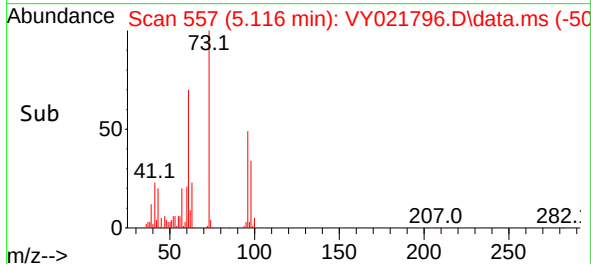
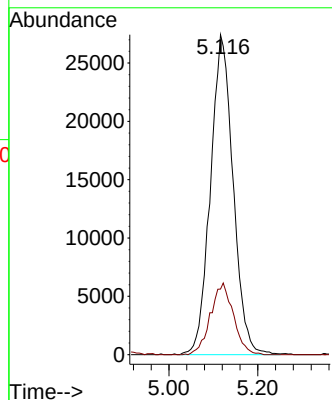
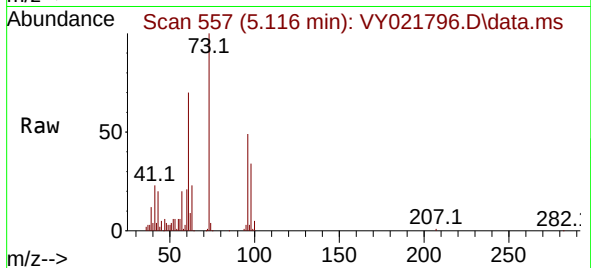
VY0407SBS01

Tgt Ion: 73 Resp: 97072

Ion Ratio Lower Upper

73 100

57 20.5 18.1 27.1



#20

Methylene Chloride

Concen: 19.254 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion: 84 Resp: 47543

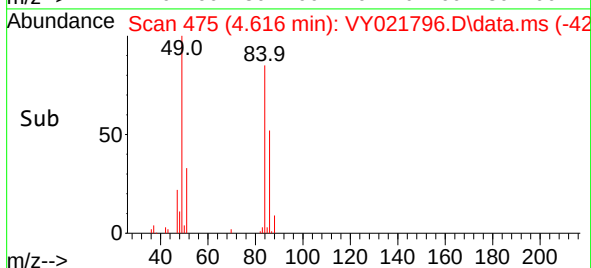
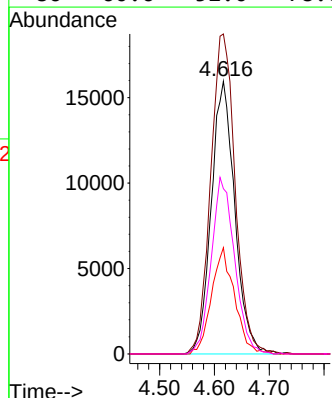
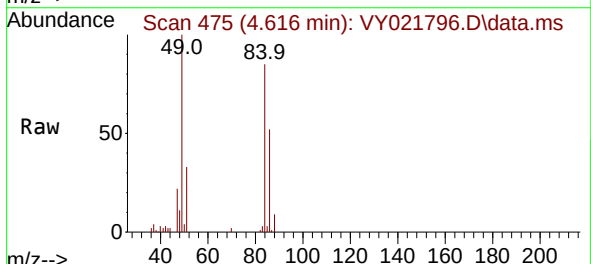
Ion Ratio Lower Upper

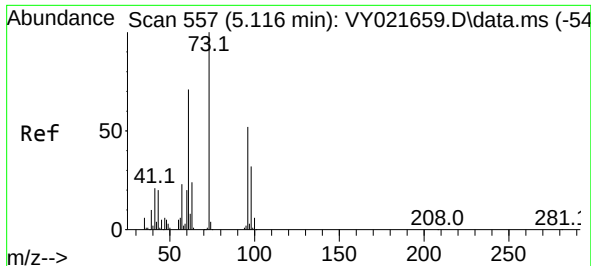
84 100

49 117.4 102.8 154.2

51 39.0 33.5 50.3

86 60.6 52.0 78.0

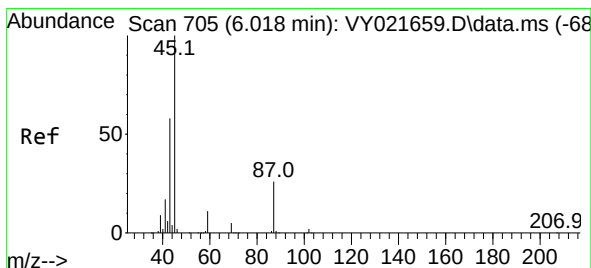
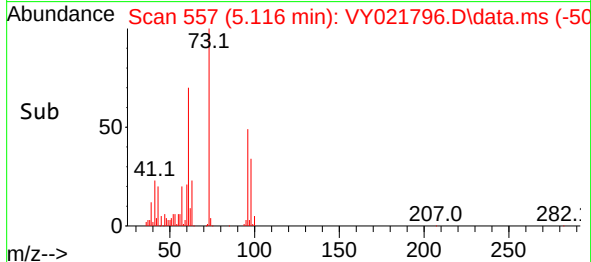
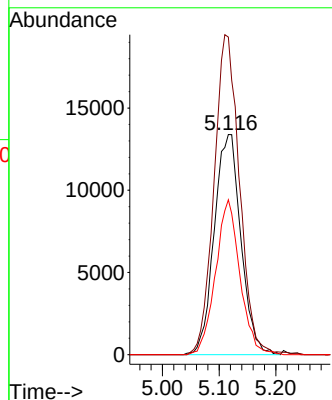
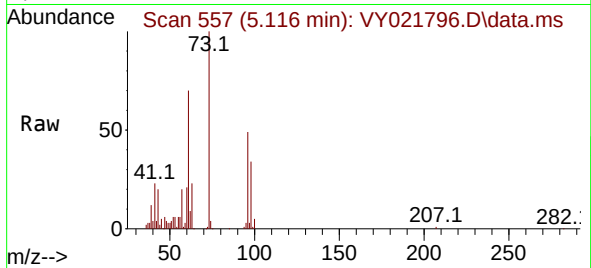




#21
trans-1,2-Dichloroethene
Concen: 18.687 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

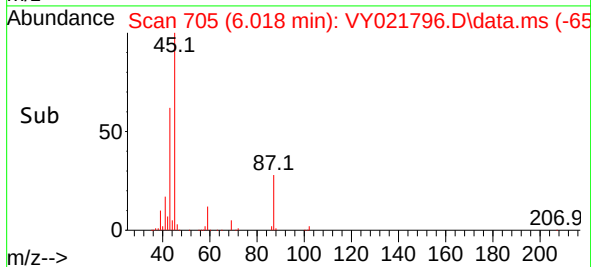
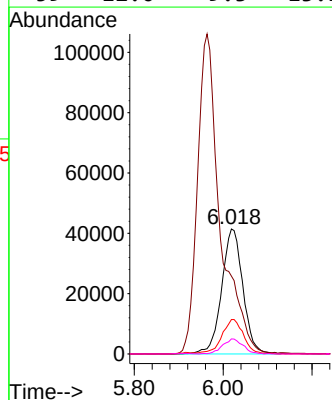
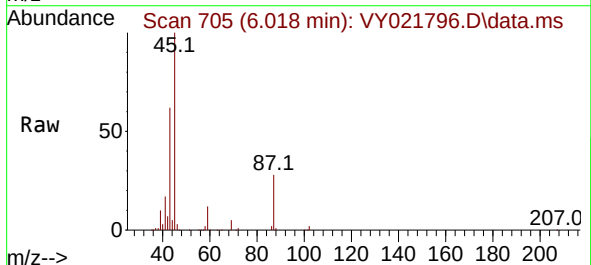
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

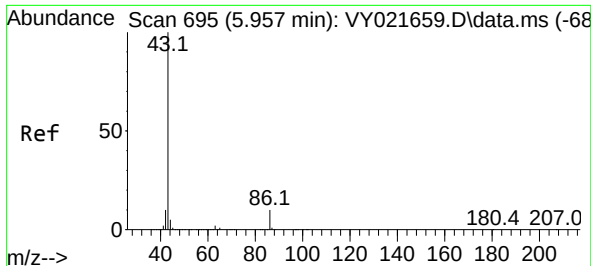
Tgt Ion: 96 Resp: 43713
Ion Ratio Lower Upper
96 100
61 144.3 109.4 164.0
98 70.4 50.2 75.2



#22
Diisopropyl ether
Concen: 19.324 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 45 Resp: 137320
Ion Ratio Lower Upper
45 100
43 61.3 46.6 69.8
87 27.5 20.7 31.1
59 12.0 9.3 13.9

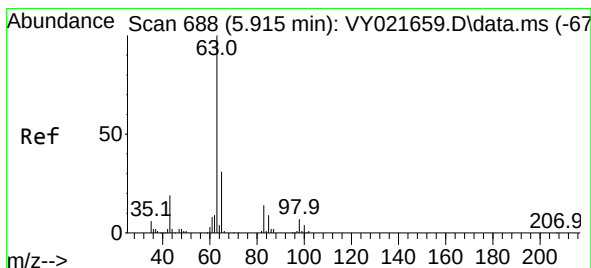
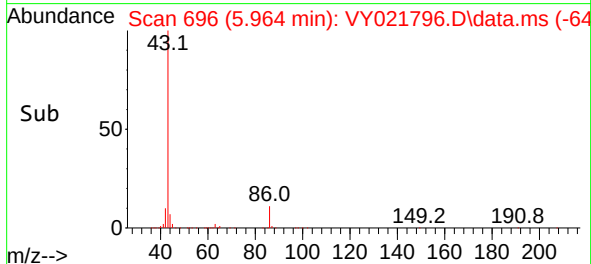
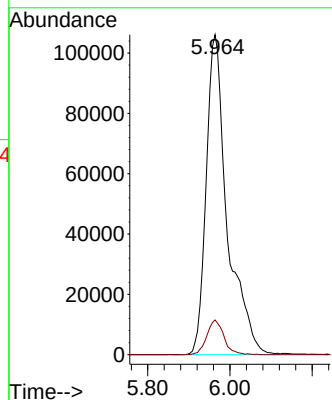
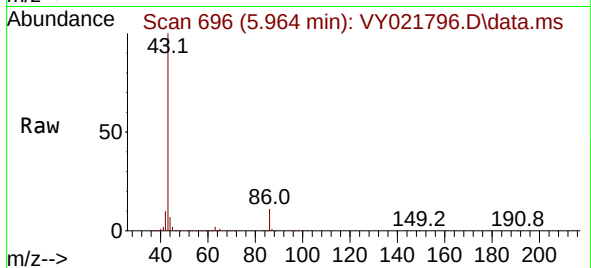




#23
 Vinyl Acetate
 Concen: 90.951 ug/l
 RT: 5.964 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY021796.D
 Acq: 07 Apr 2025 14:07

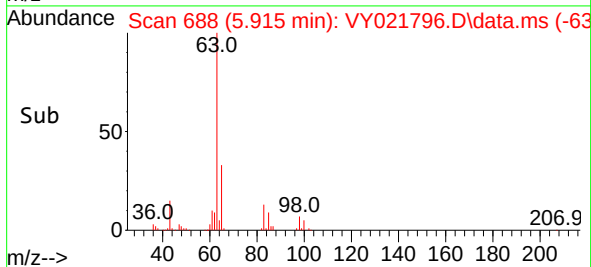
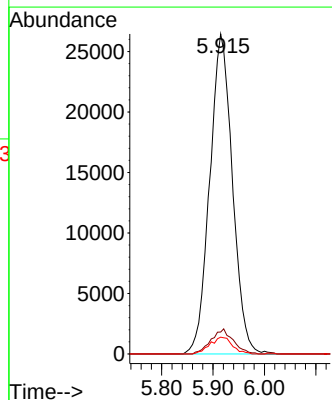
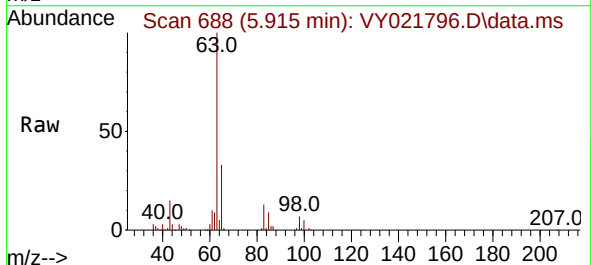
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

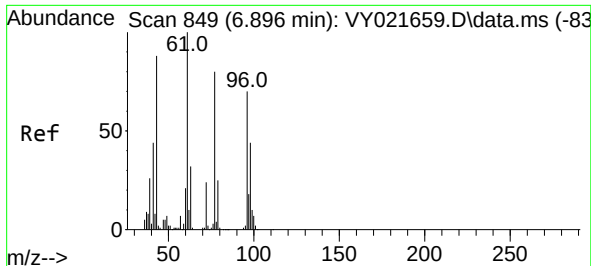
Tgt Ion: 43 Resp: 378088
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 19.127 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021796.D
 Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 81273
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 5.3 2.2 6.6

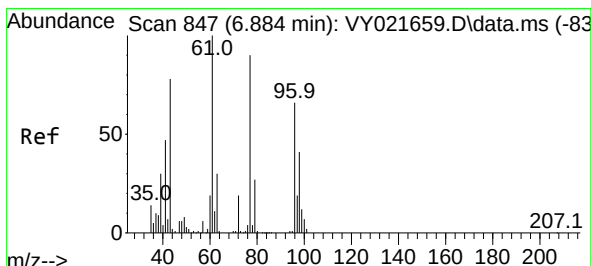
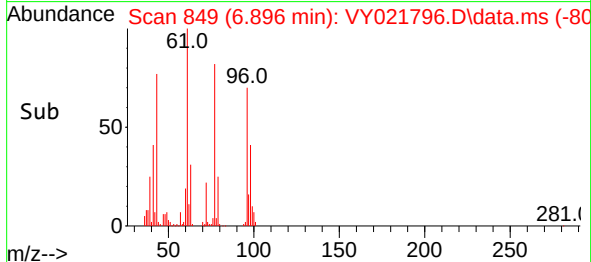
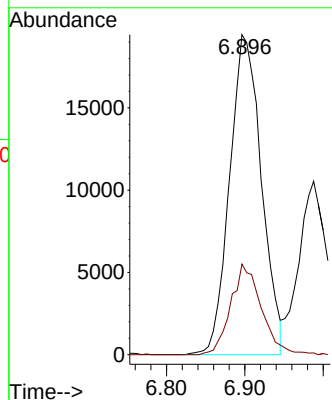
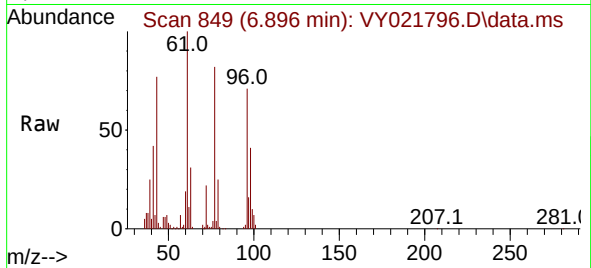




#25
2-Butanone
Concen: 85.526 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

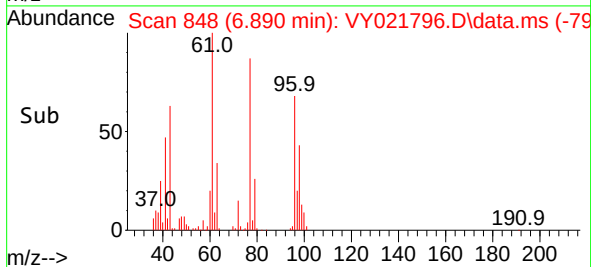
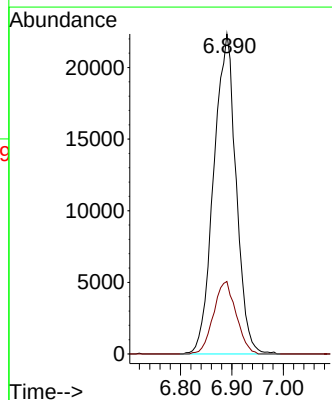
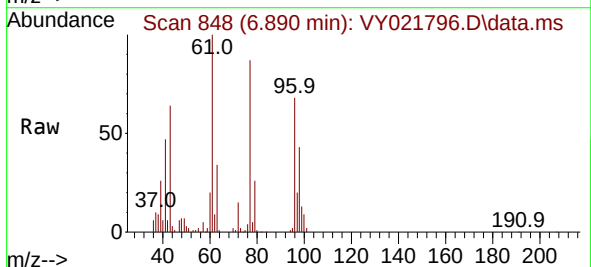
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

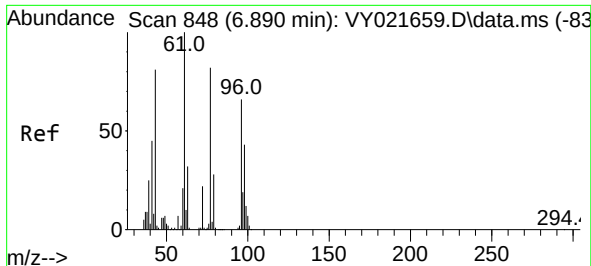
Tgt Ion: 43 Resp: 54867
Ion Ratio Lower Upper
43 100
72 28.3 21.4 32.2



#26
2,2-Dichloropropane
Concen: 17.837 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 77 Resp: 67416
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 18.874 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

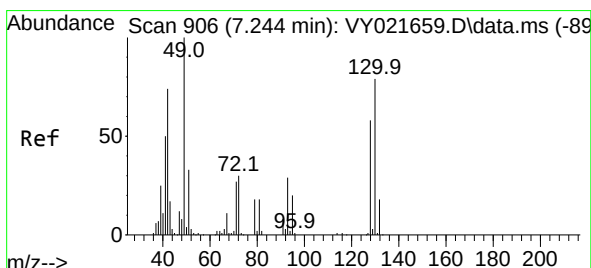
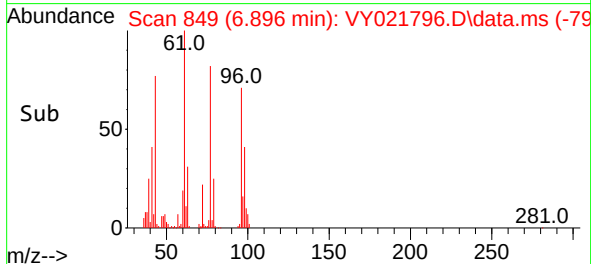
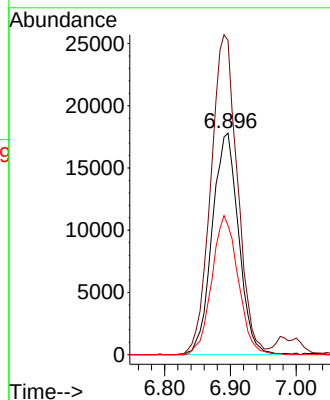
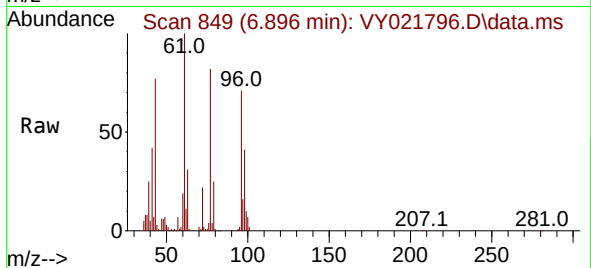
Tgt Ion: 96 Resp: 49651

Ion Ratio Lower Upper

96 100

61 146.1 0.0 296.4

98 62.6 0.0 128.0



#28

Bromochloromethane

Concen: 19.870 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

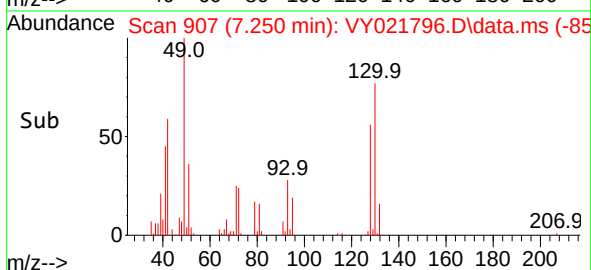
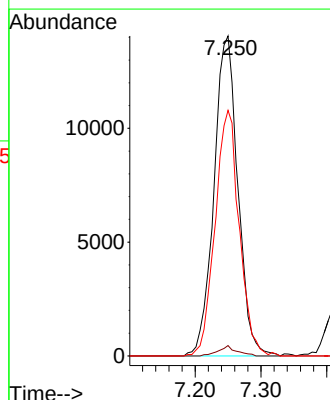
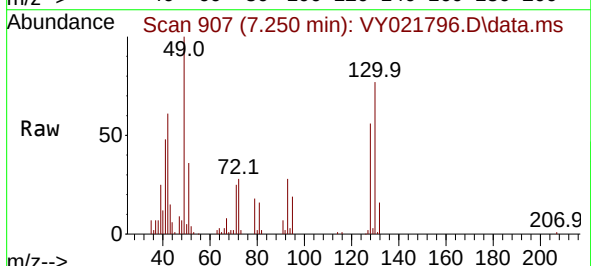
Tgt Ion: 49 Resp: 35606

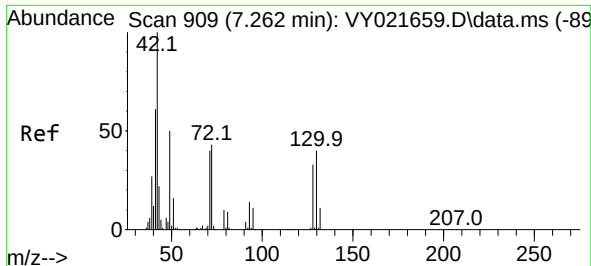
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

130 77.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 91.436 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

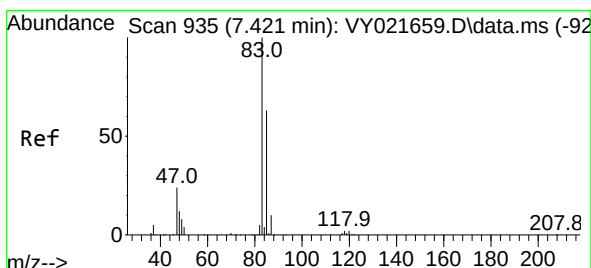
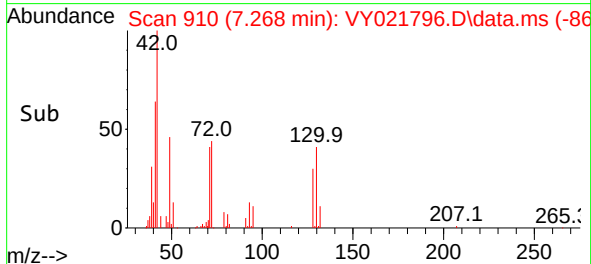
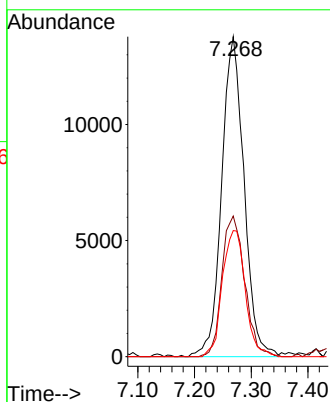
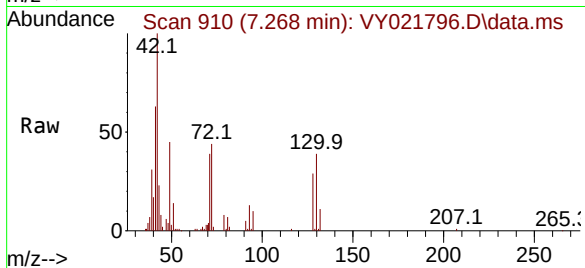
Tgt Ion: 42 Resp: 37752

Ion Ratio Lower Upper

42 100

72 44.7 34.6 52.0

71 40.4 32.5 48.7



#30

Chloroform

Concen: 19.386 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021796.D

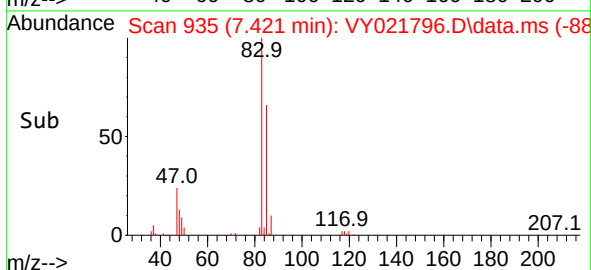
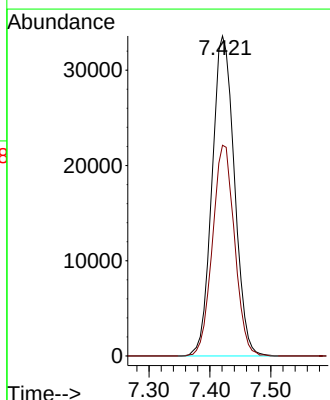
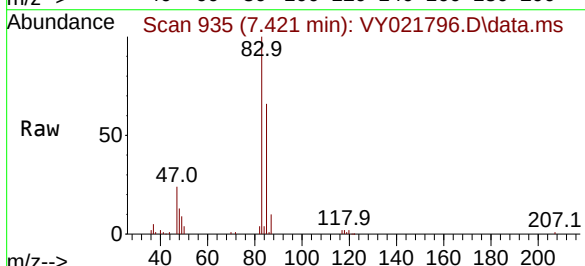
Acq: 07 Apr 2025 14:07

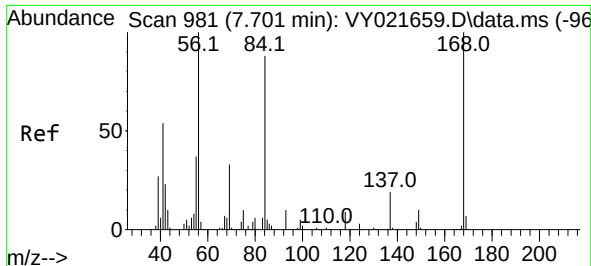
Tgt Ion: 83 Resp: 85674

Ion Ratio Lower Upper

83 100

85 65.9 50.6 75.8

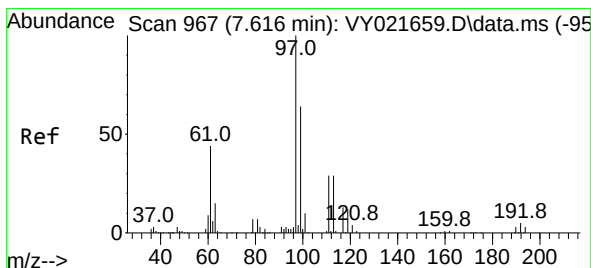
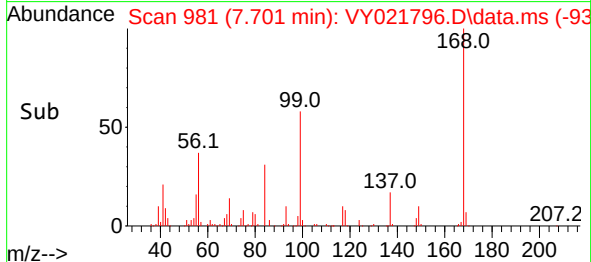
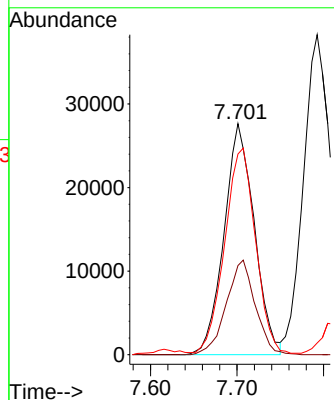
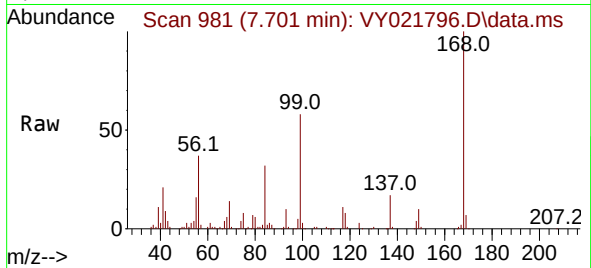




#31
Cyclohexane
Concen: 17.333 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

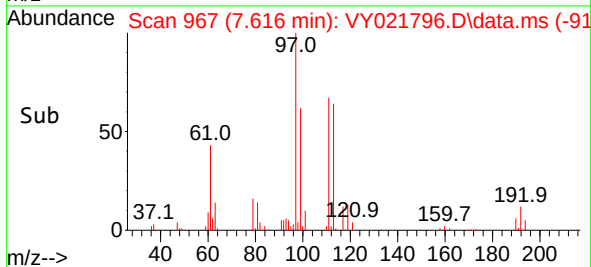
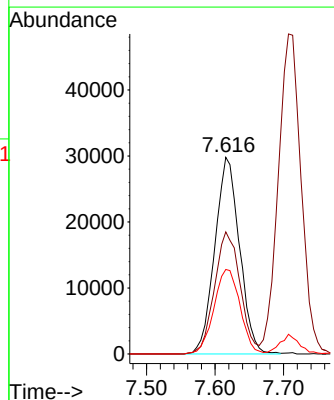
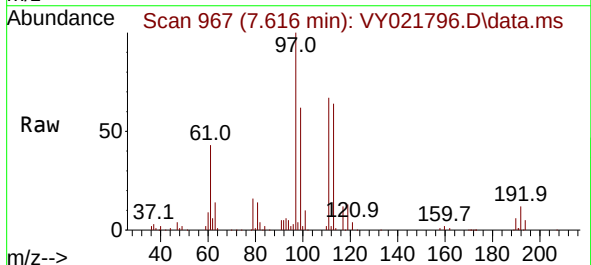
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

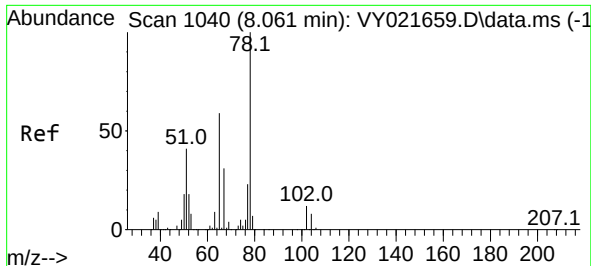
Tgt Ion: 56 Resp: 67135
Ion Ratio Lower Upper
56 100
69 38.2 26.6 40.0
84 85.2 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 18.687 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 97 Resp: 74644
Ion Ratio Lower Upper
97 100
99 64.6 50.7 76.1
61 45.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 51.360 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

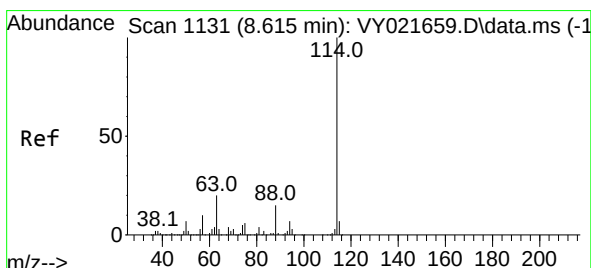
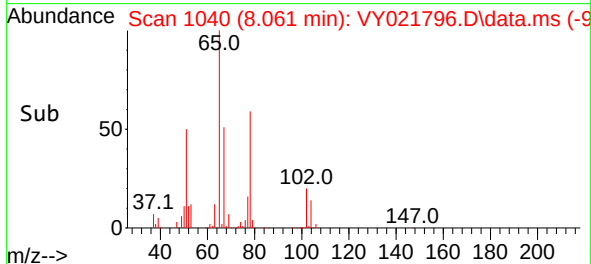
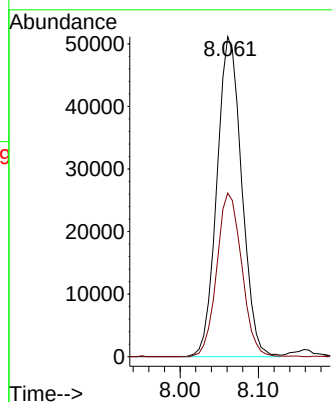
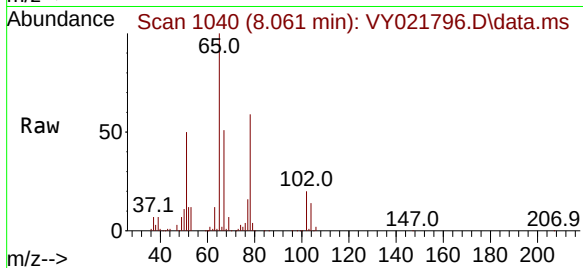
VY0407SBS01

Tgt Ion: 65 Resp: 112714

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

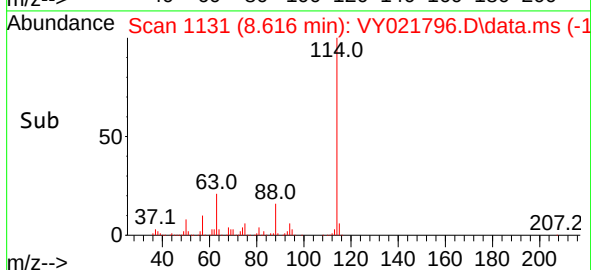
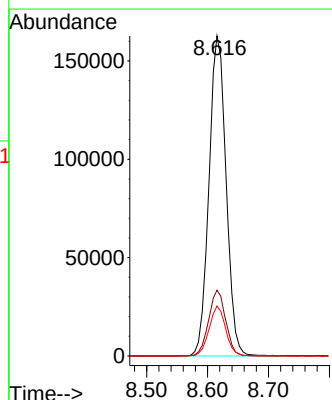
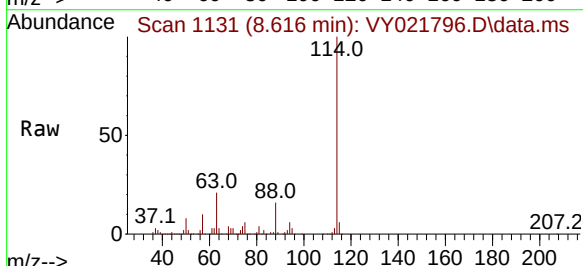
Tgt Ion: 114 Resp: 317911

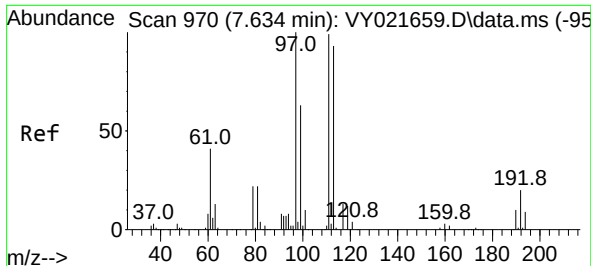
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.6 0.0 29.8

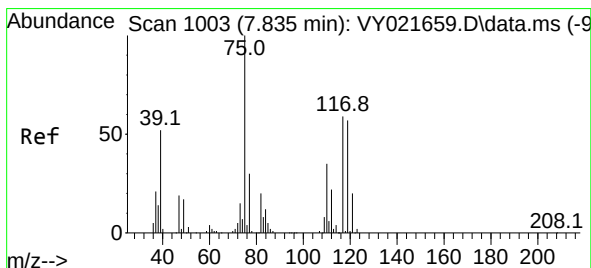
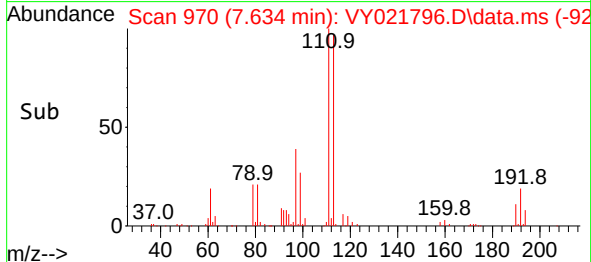
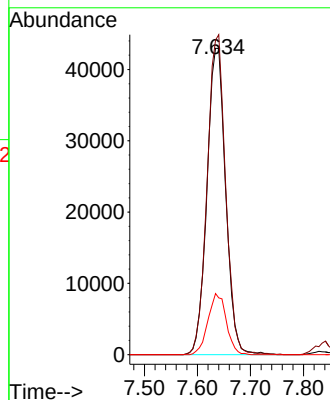
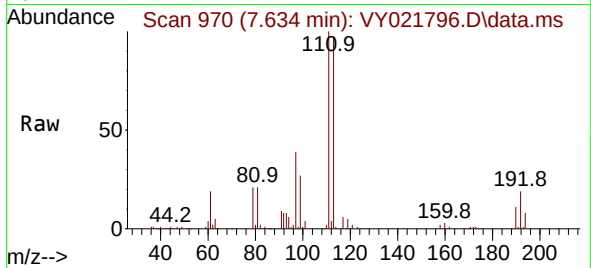




#35
Dibromofluoromethane
Concen: 51.133 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

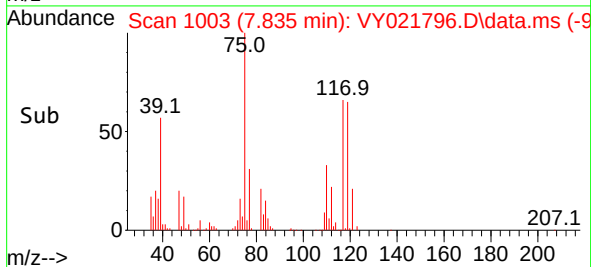
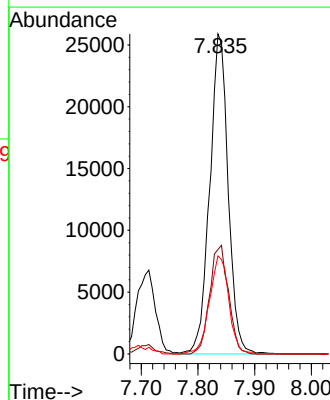
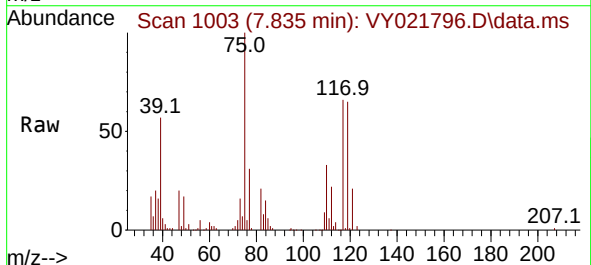
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

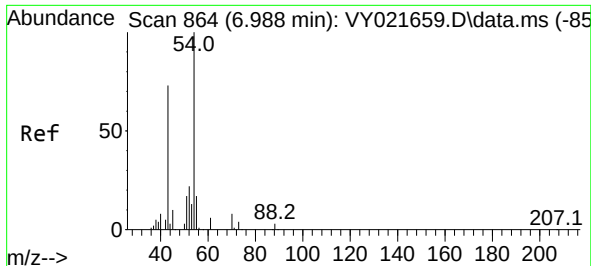
Tgt Ion:113 Resp: 105448
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 18.597 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 58414
Ion Ratio Lower Upper
75 100
110 34.5 17.0 50.9
77 32.2 24.8 37.2





#37

Ethyl Acetate

Concen: 18.694 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

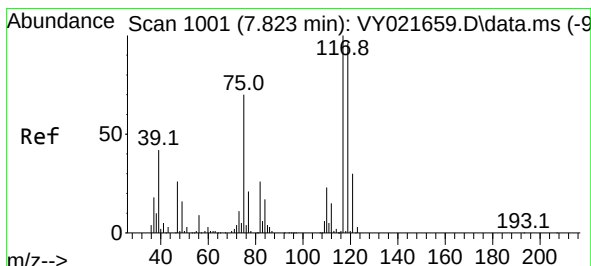
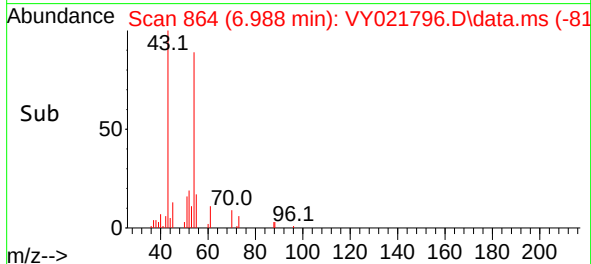
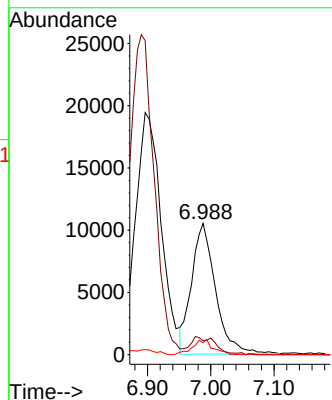
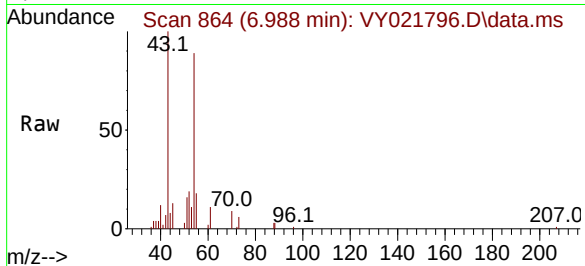
Tgt Ion: 43 Resp: 27713

Ion Ratio Lower Upper

43 100

61 14.2 11.0 16.6

70 9.6 8.1 12.1



#38

Carbon Tetrachloride

Concen: 18.934 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

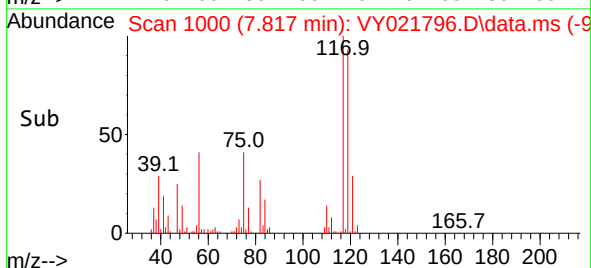
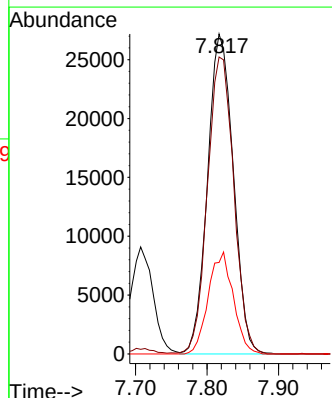
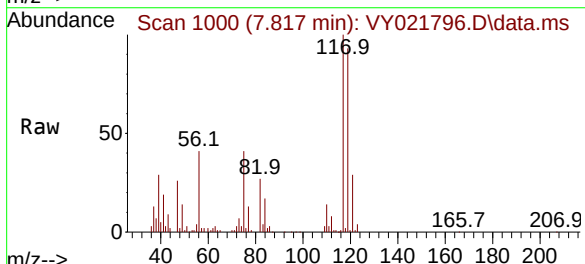
Tgt Ion: 117 Resp: 68118

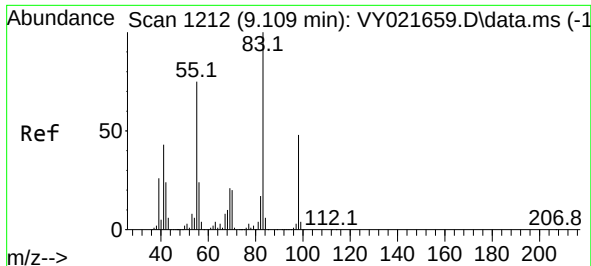
Ion Ratio Lower Upper

117 100

119 92.8 76.2 114.4

121 28.6 24.2 36.4





#39

Methylcyclohexane

Concen: 17.939 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

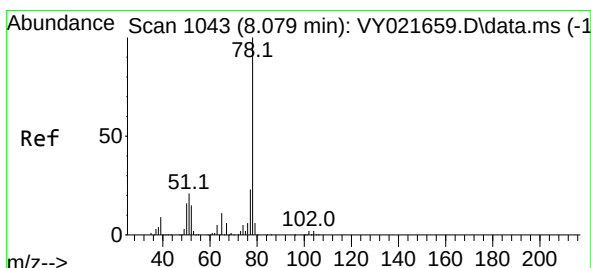
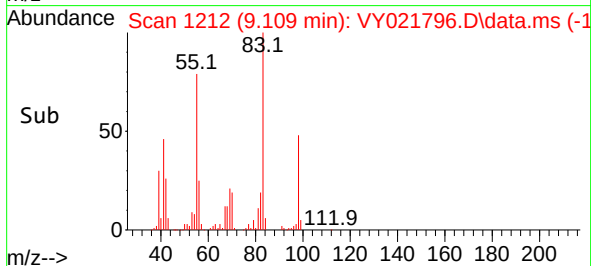
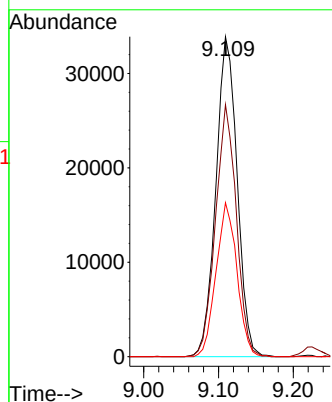
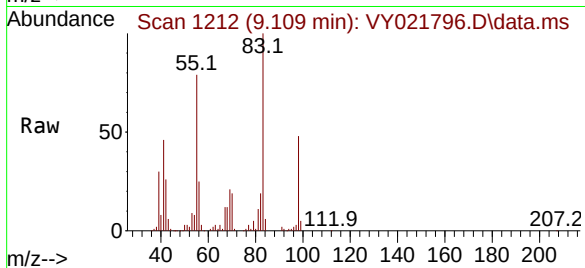
Tgt Ion: 83 Resp: 67315

Ion Ratio Lower Upper

83 100

55 78.8 59.7 89.5

98 48.1 38.3 57.5



#40

Benzene

Concen: 19.264 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY021796.D

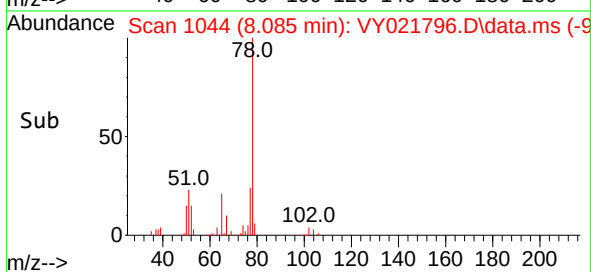
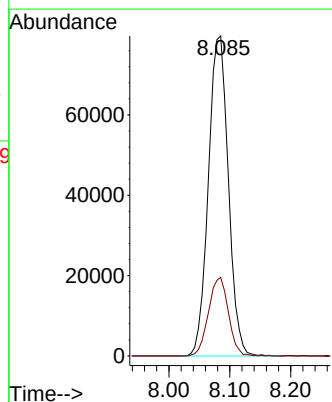
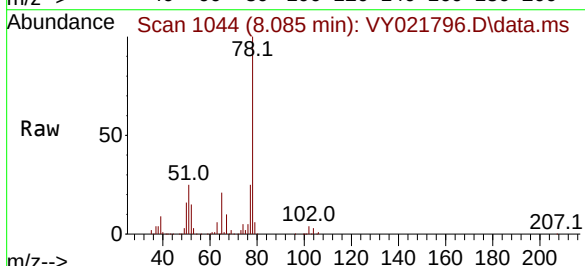
Acq: 07 Apr 2025 14:07

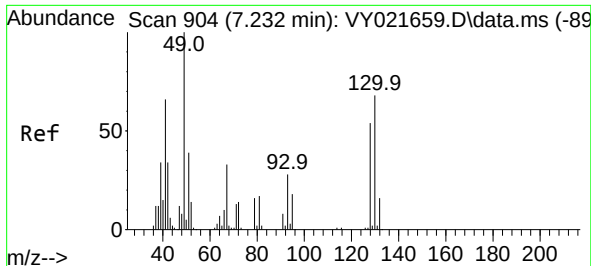
Tgt Ion: 78 Resp: 181213

Ion Ratio Lower Upper

78 100

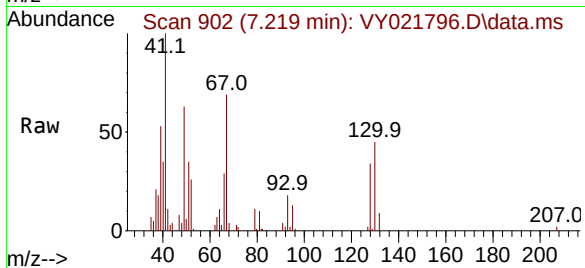
77 24.5 18.8 28.2



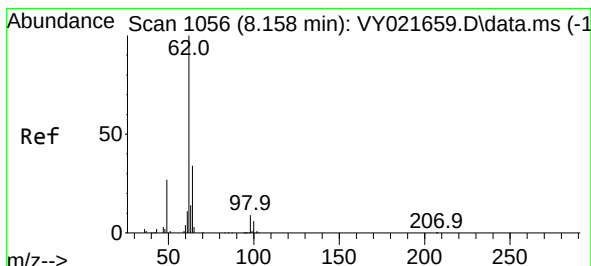
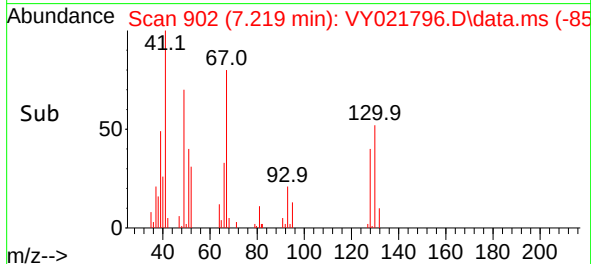
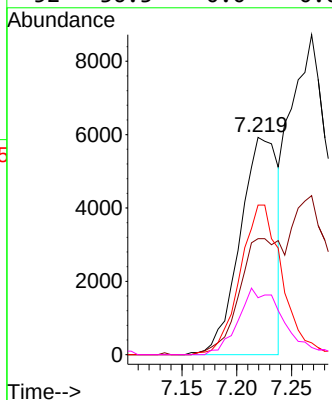


#41
Methacrylonitrile
Concen: 17.999 ug/l
RT: 7.219 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

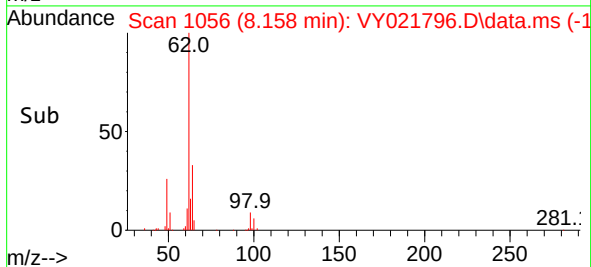
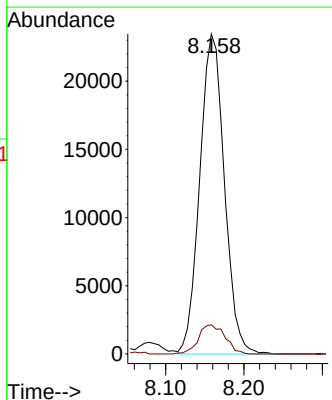
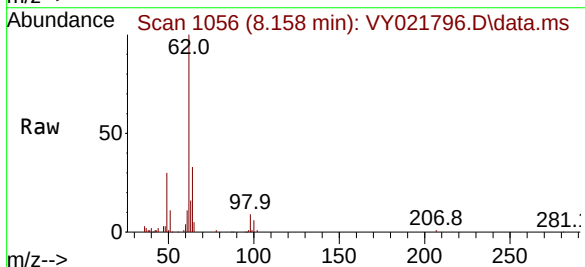


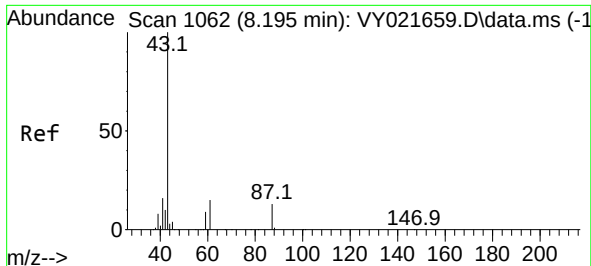
Tgt Ion:	41	Resp:	14170
Ion	Ratio	Lower	Upper
41	100		
39	62.3	0.0	0.0#
67	77.1	0.0	0.0#
52	36.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.317 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:	62	Resp:	51227
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

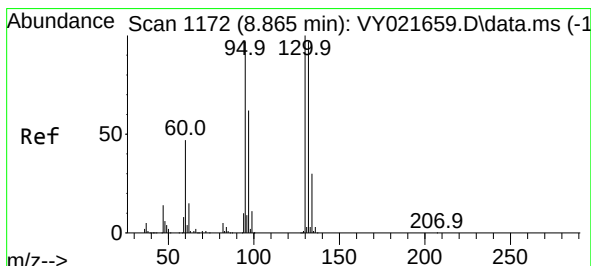
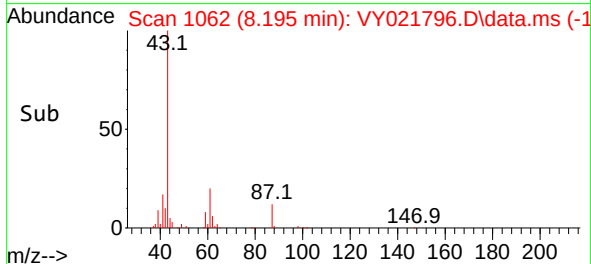
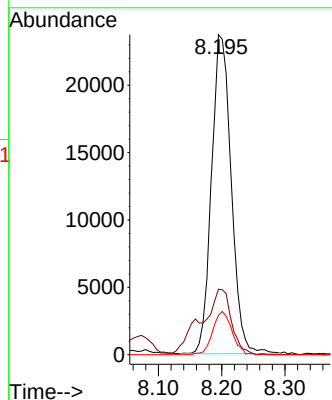
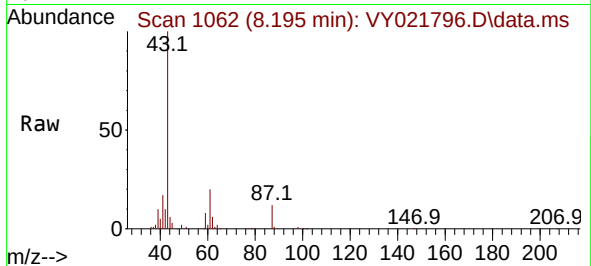




#43
Isopropyl Acetate
Concen: 18.225 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

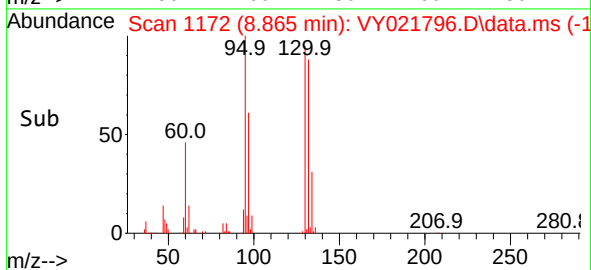
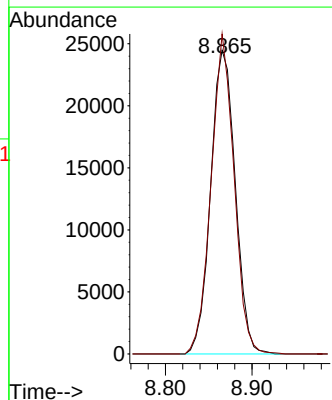
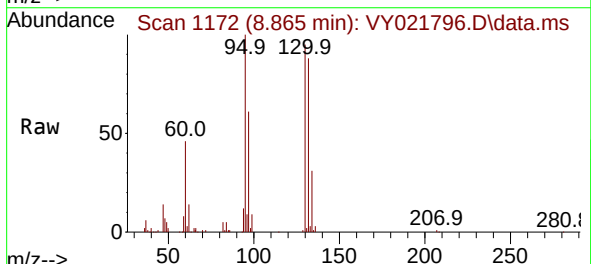
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

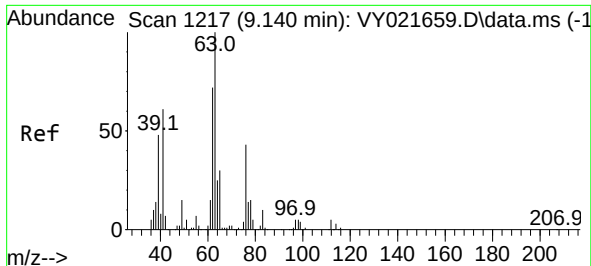
Tgt Ion: 43 Resp: 51199
Ion Ratio Lower Upper
43 100
61 21.9 15.9 23.9
87 13.2 10.4 15.6



#44
Trichloroethene
Concen: 20.156 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:130 Resp: 48310
Ion Ratio Lower Upper
130 100
95 105.3 0.0 194.8





#45

1,2-Dichloropropane

Concen: 19.451 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

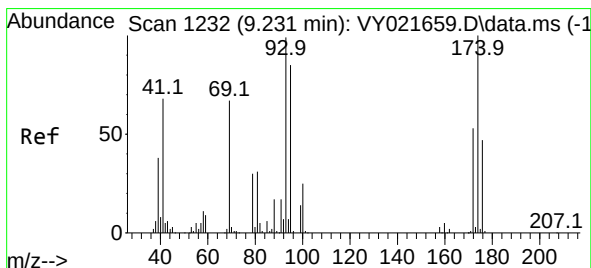
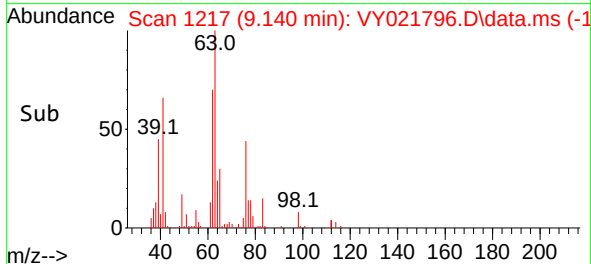
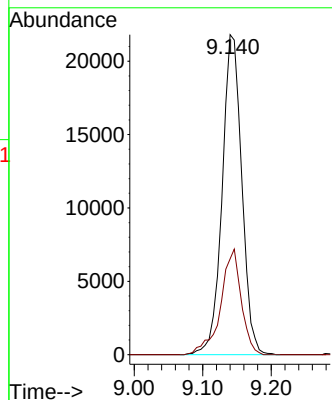
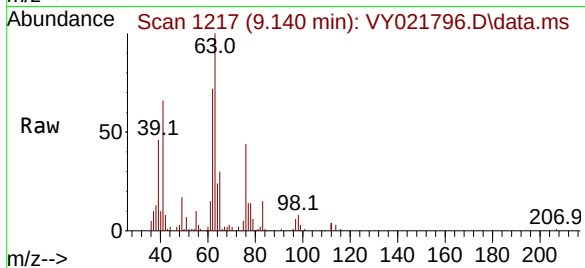
VY0407SBS01

Tgt Ion: 63 Resp: 43310

Ion Ratio Lower Upper

63 100

65 29.9 24.4 36.6



#46

Dibromomethane

Concen: 19.965 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

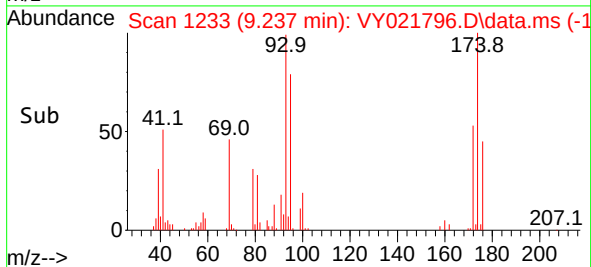
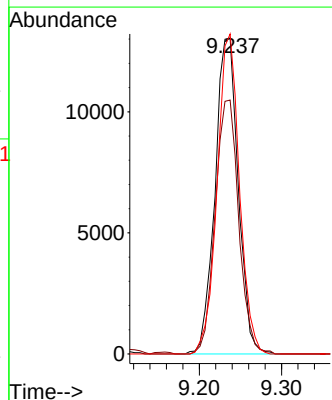
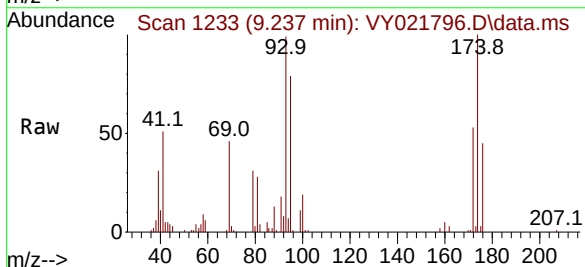
Tgt Ion: 93 Resp: 25621

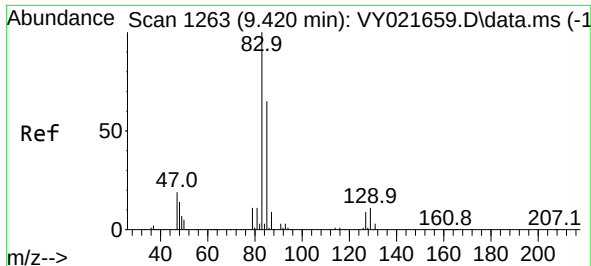
Ion Ratio Lower Upper

93 100

95 81.5 68.1 102.1

174 97.1 80.9 121.3





#47

Bromodichloromethane

Concen: 19.610 ug/l

RT: 9.426 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

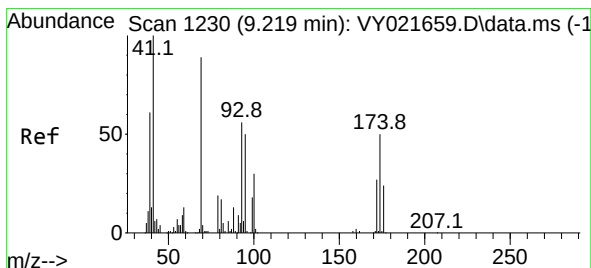
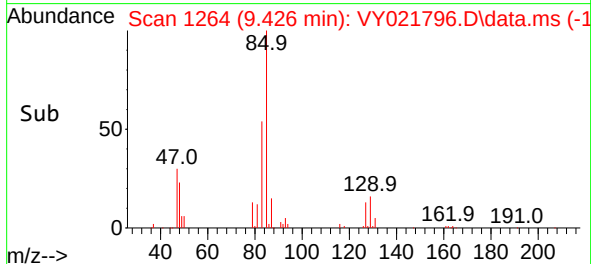
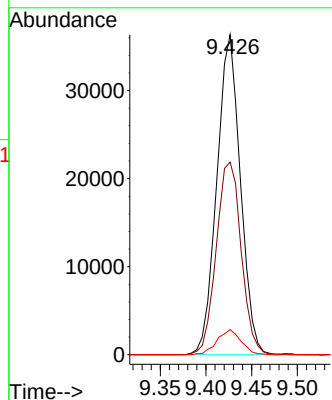
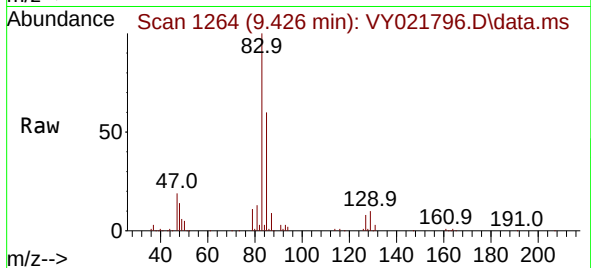
Tgt Ion: 83 Resp: 65208

Ion Ratio Lower Upper

83 100

85 60.2 51.8 77.6

127 7.9 6.8 10.2



#48

Methyl methacrylate

Concen: 18.008 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

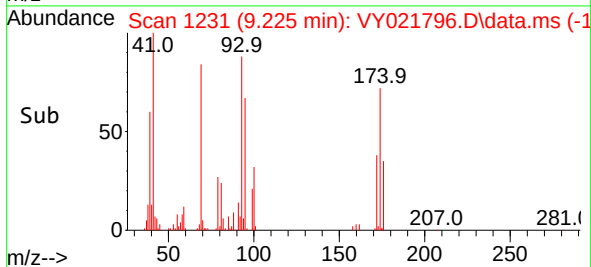
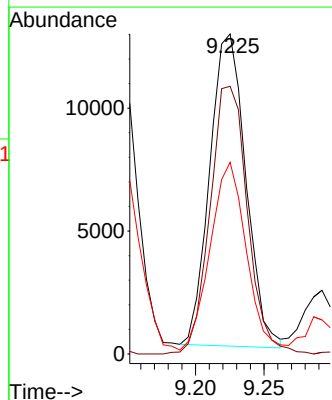
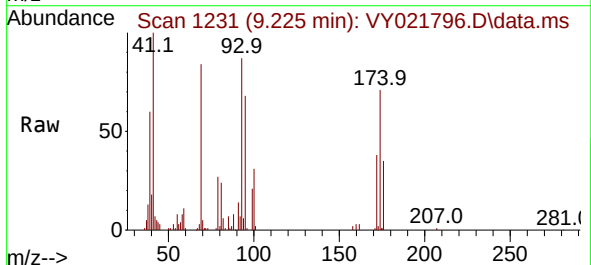
Tgt Ion: 41 Resp: 23219

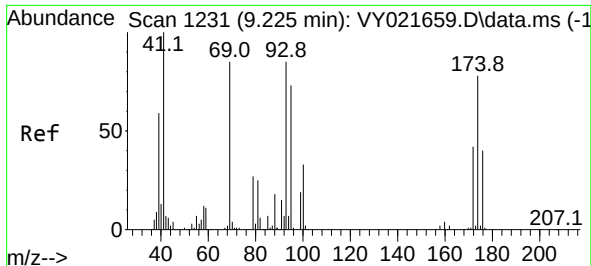
Ion Ratio Lower Upper

41 100

69 89.0 69.8 104.8

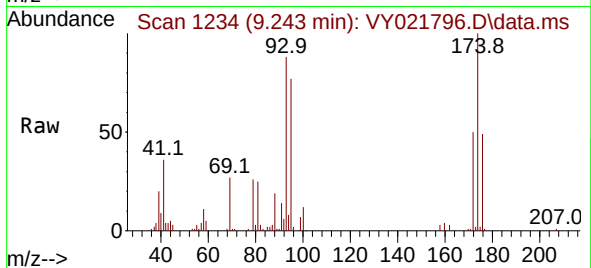
39 60.4 47.2 70.8



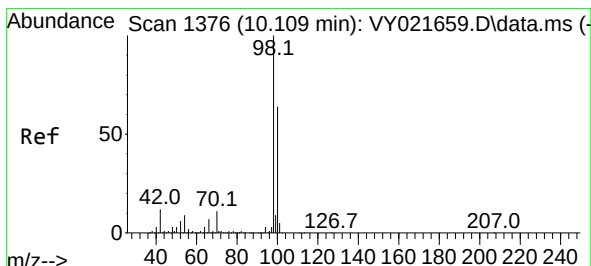
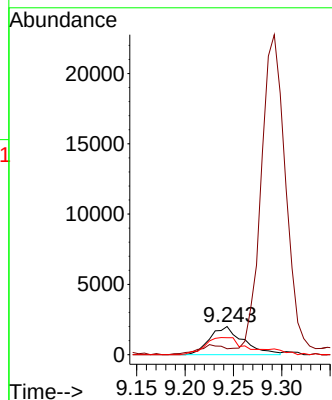
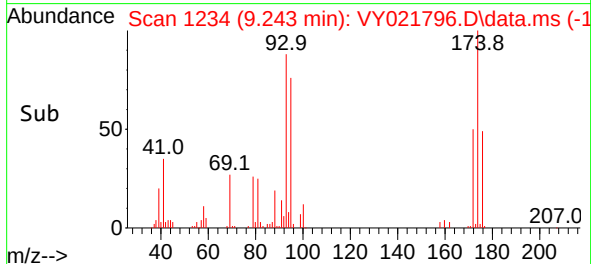


#49
1,4-Dioxane
Concen: 351.345 ug/l
RT: 9.243 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

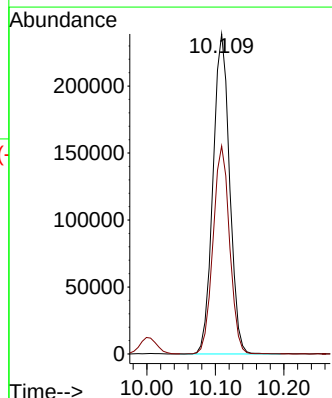
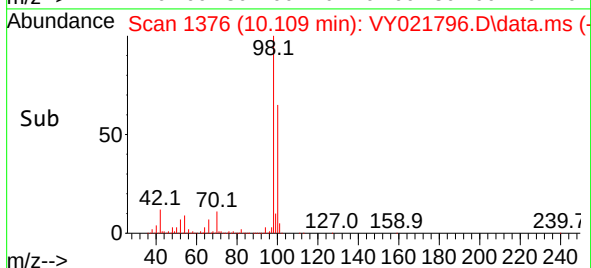
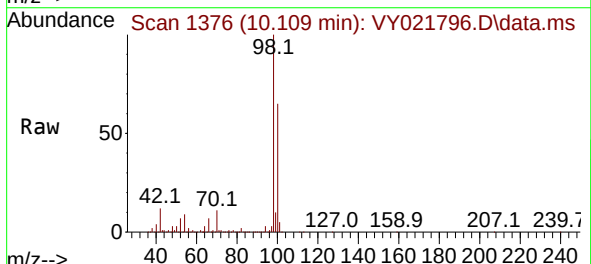


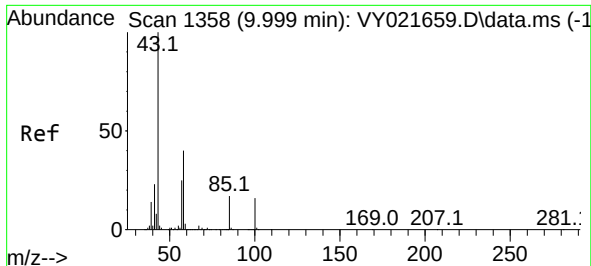
Tgt Ion: 88 Resp: 4830
Ion Ratio Lower Upper
88 100
43 27.8 28.8 43.2#
58 69.6 59.4 89.2



#50
Toluene-d8
Concen: 51.267 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 98 Resp: 402207
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

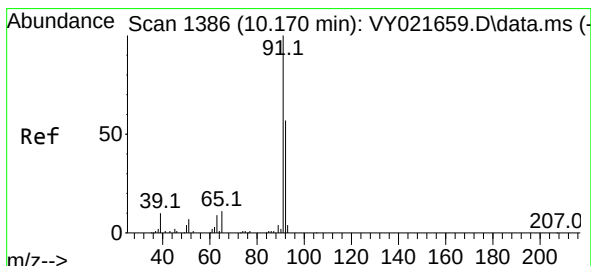
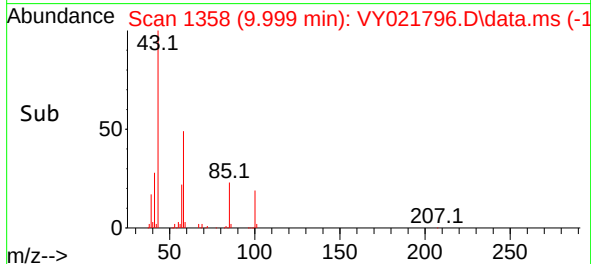
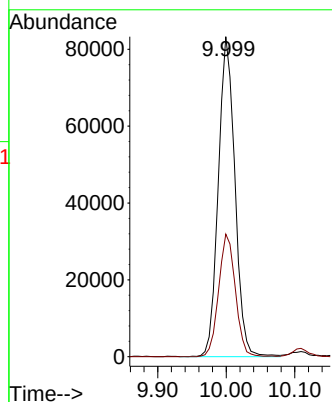
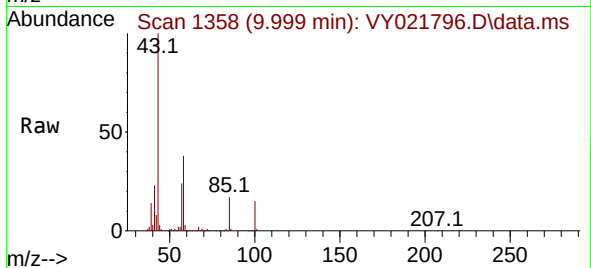




#51
4-Methyl-2-Pentanone
Concen: 95.649 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

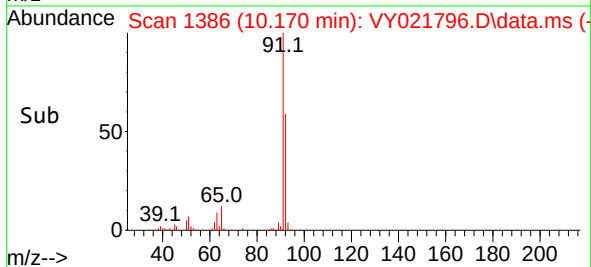
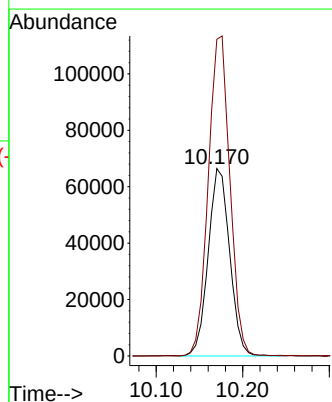
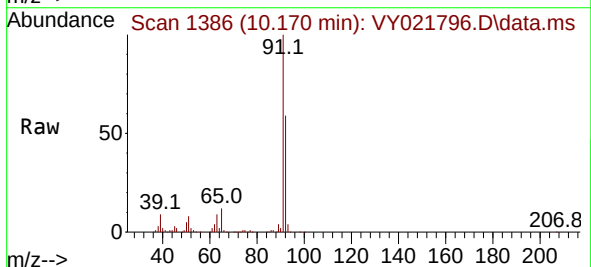
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

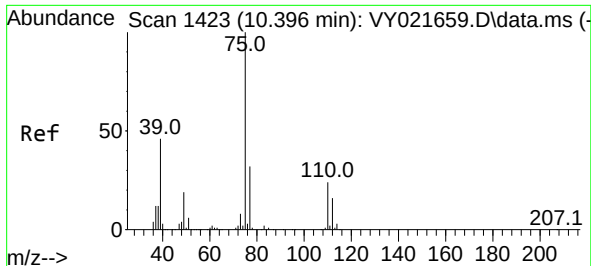
Tgt Ion: 43 Resp: 139834
Ion Ratio Lower Upper
43 100
58 38.6 31.5 47.3



#52
Toluene
Concen: 19.502 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 92 Resp: 114460
Ion Ratio Lower Upper
92 100
91 172.0 138.6 207.8

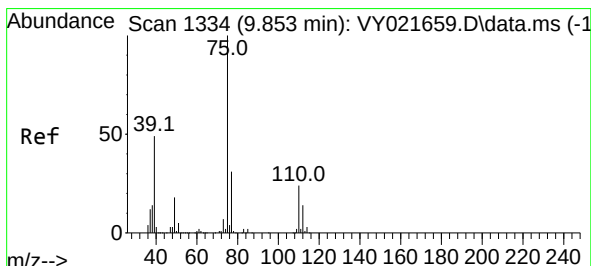
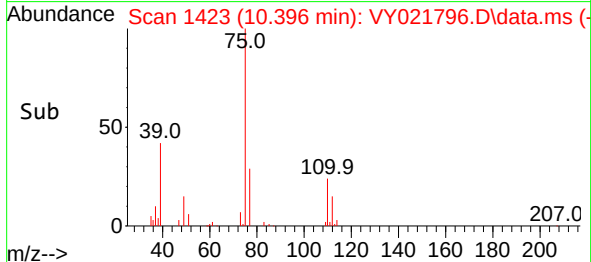
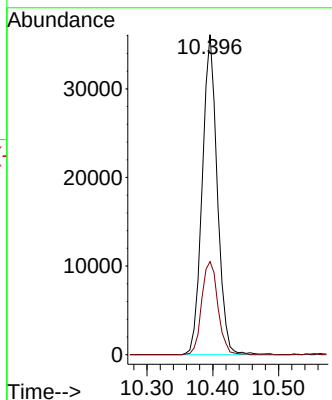
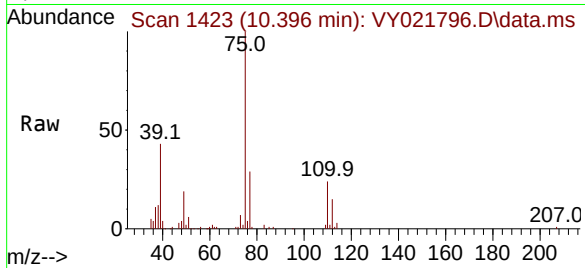




#53
t-1,3-Dichloropropene
Concen: 19.407 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

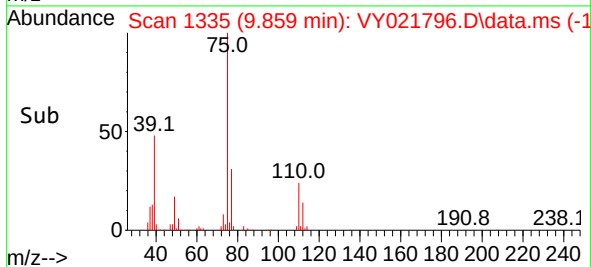
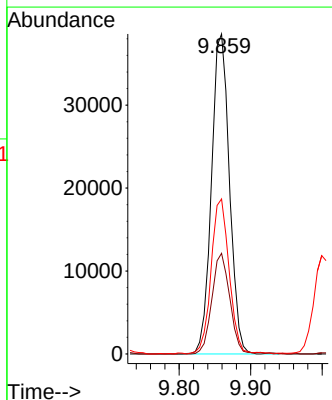
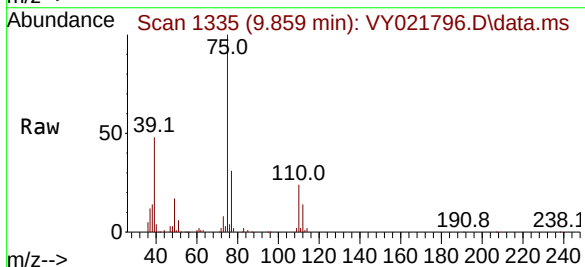
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

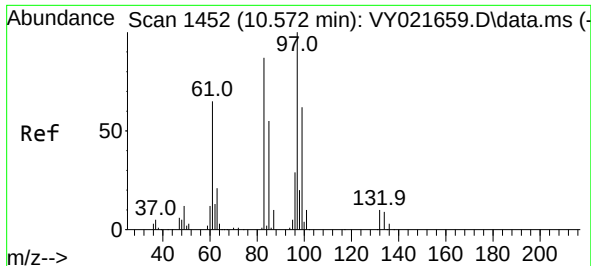
Tgt Ion: 75 Resp: 57318
Ion Ratio Lower Upper
75 100
77 29.1 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 67327
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3
39 48.2 39.2 58.8

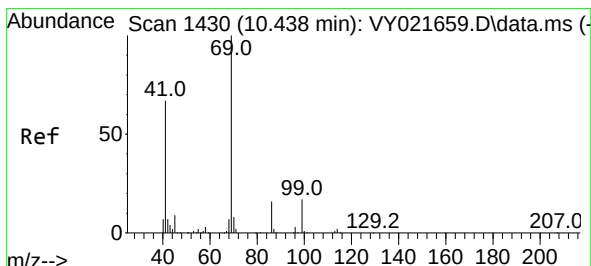
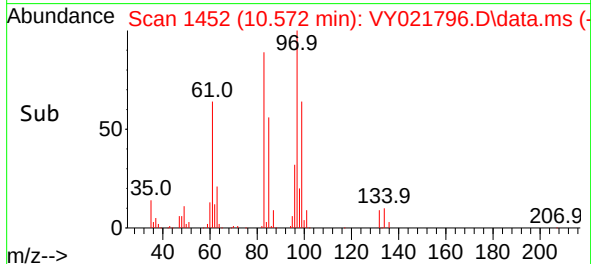
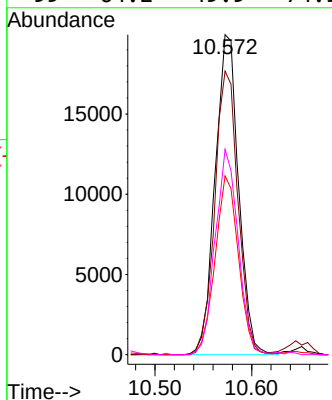
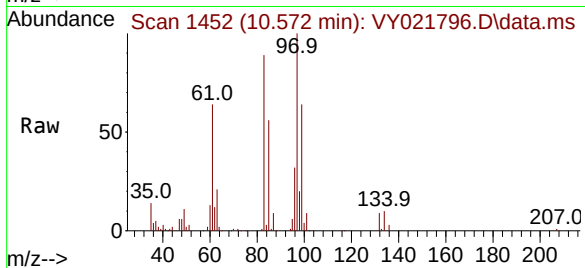




#55
1,1,2-Trichloroethane
Concen: 20.349 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

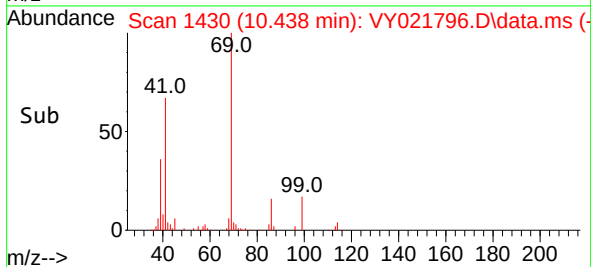
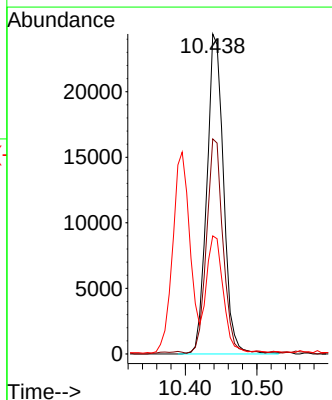
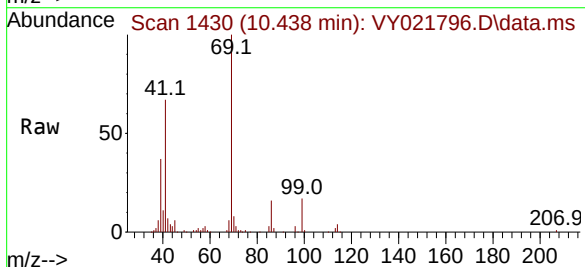
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

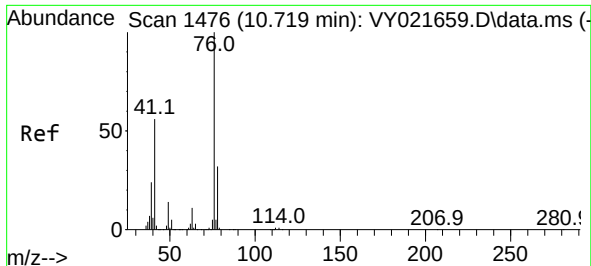
Tgt Ion:	97	Resp:	33605
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.5	104.3
85	55.9	43.9	65.9
99	64.2	49.9	74.9



#56
Ethyl methacrylate
Concen: 18.773 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:	69	Resp:	39586
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	35.7	29.6	44.4





#57

1,3-Dichloropropane

Concen: 19.548 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

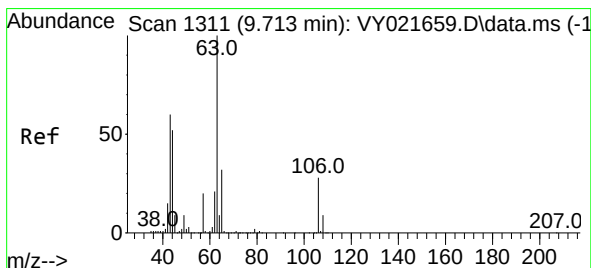
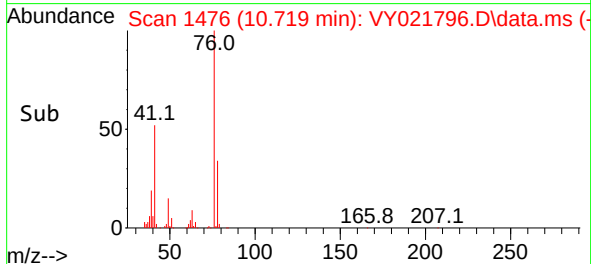
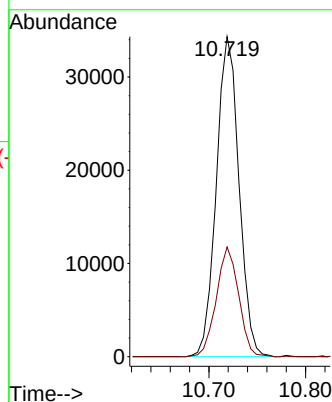
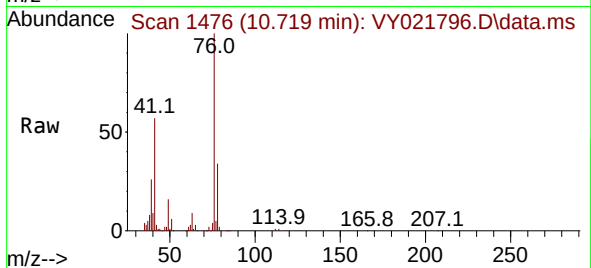
VY0407SBS01

Tgt Ion: 76 Resp: 55754

Ion Ratio Lower Upper

76 100

78 33.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 98.974 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021796.D

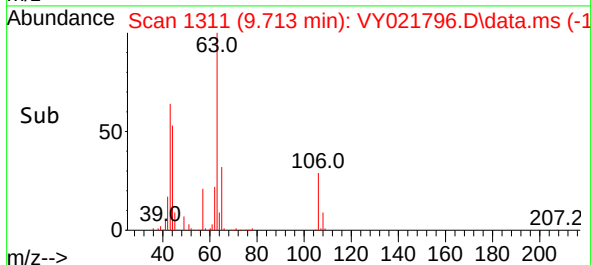
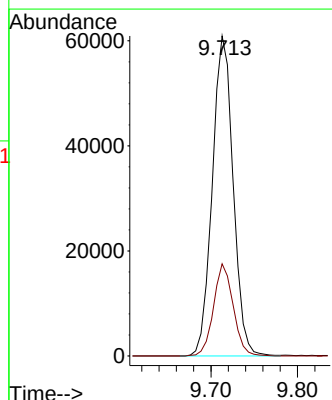
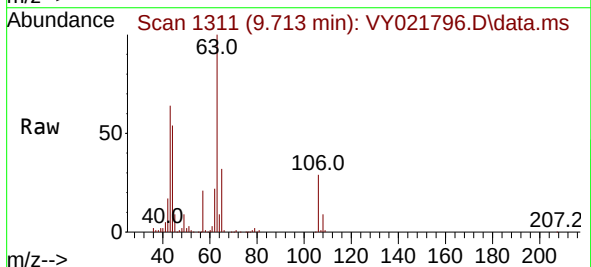
Acq: 07 Apr 2025 14:07

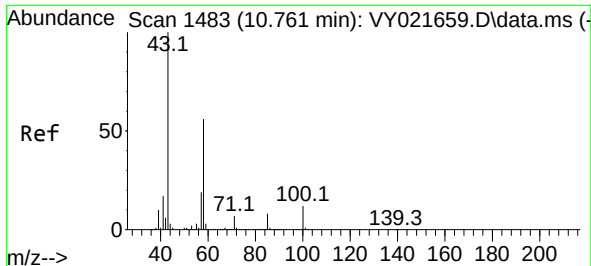
Tgt Ion: 63 Resp: 101813

Ion Ratio Lower Upper

63 100

106 27.1 22.4 33.6





#59

2-Hexanone

Concen: 93.230 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

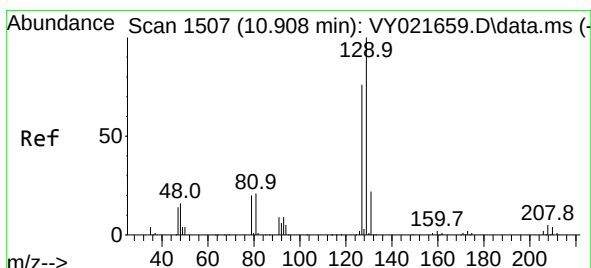
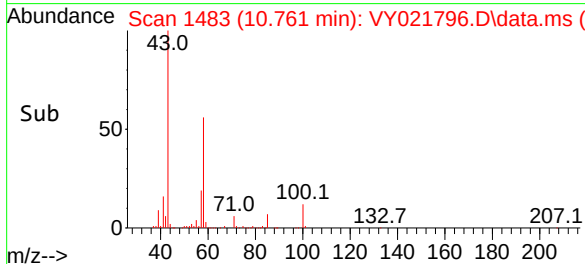
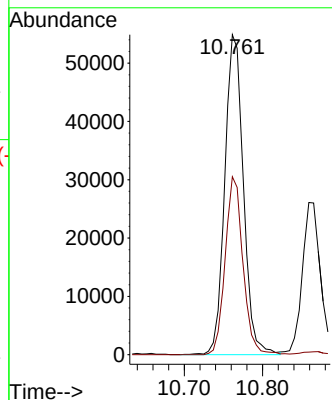
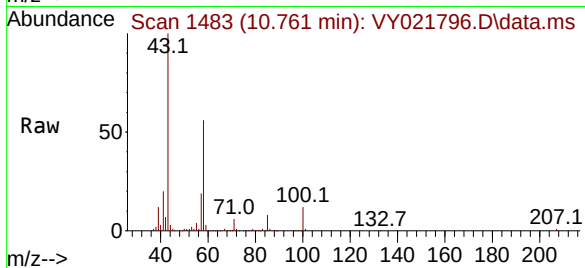
VY0407SBS01

Tgt Ion: 43 Resp: 90772

Ion Ratio Lower Upper

43 100

58 53.2 27.2 81.5



#60

Dibromochloromethane

Concen: 19.752 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021796.D

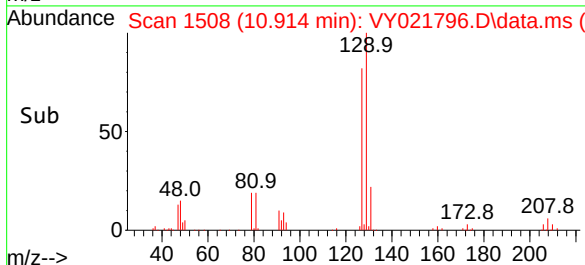
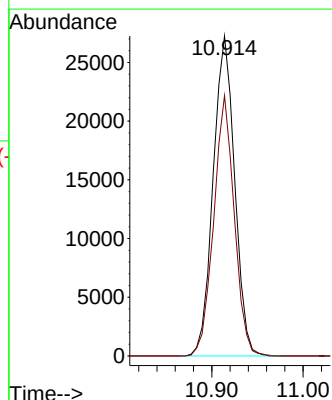
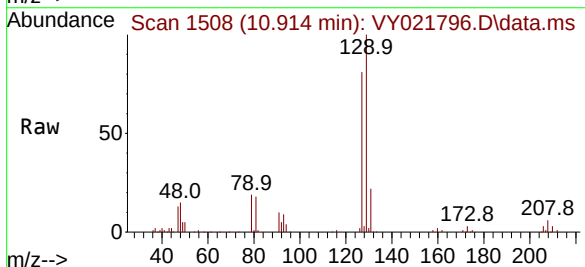
Acq: 07 Apr 2025 14:07

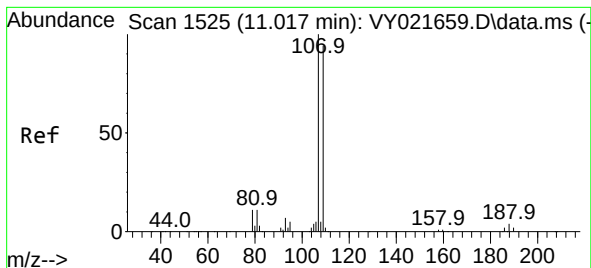
Tgt Ion: 129 Resp: 44536

Ion Ratio Lower Upper

129 100

127 77.7 38.6 115.7

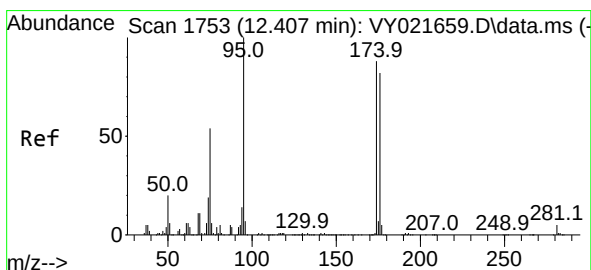
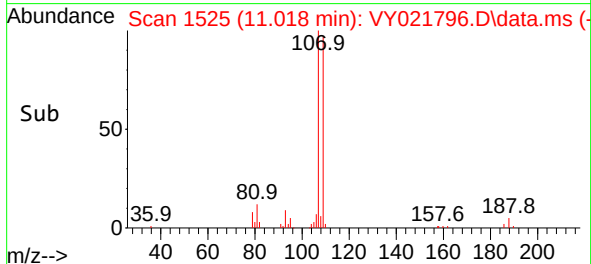
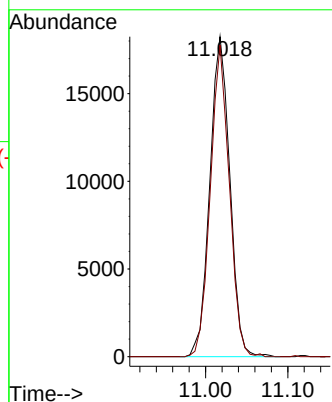
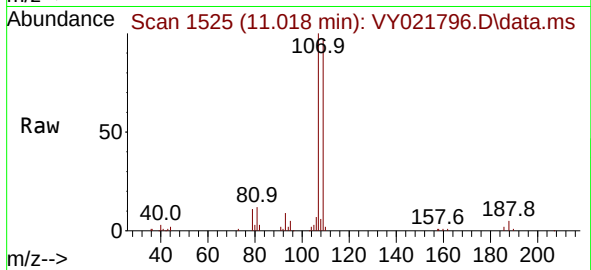




#61
1,2-Dibromoethane
Concen: 19.923 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

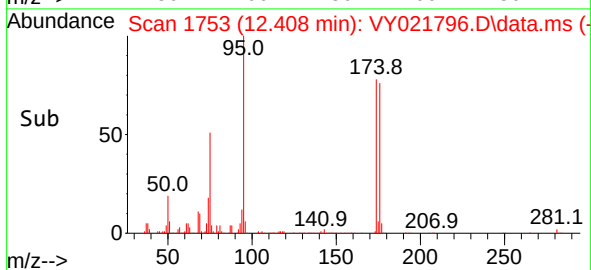
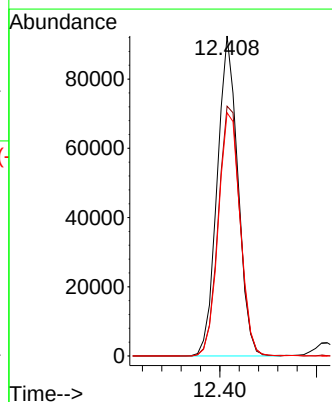
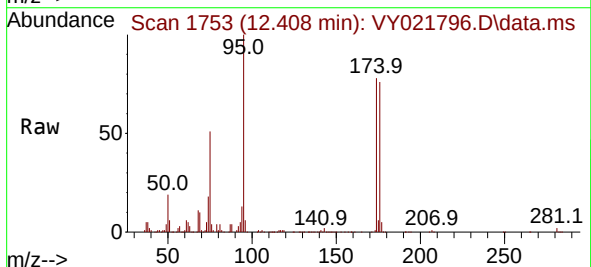
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

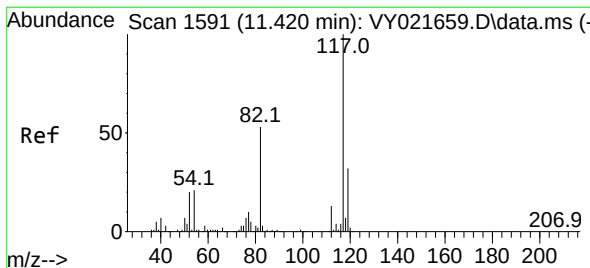
Tgt Ion:107 Resp: 30864
Ion Ratio Lower Upper
107 100
109 92.1 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 51.789 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 95 Resp: 137431
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.8
176 79.9 0.0 162.0

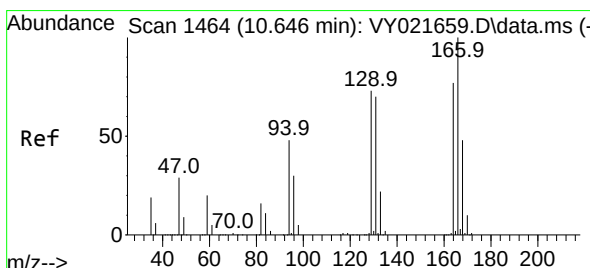
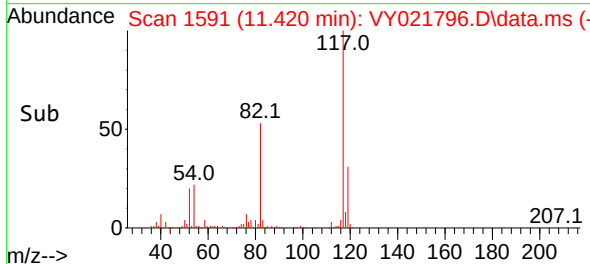
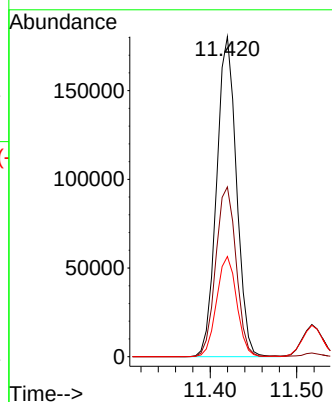
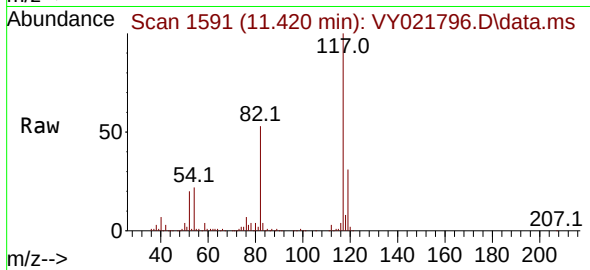




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

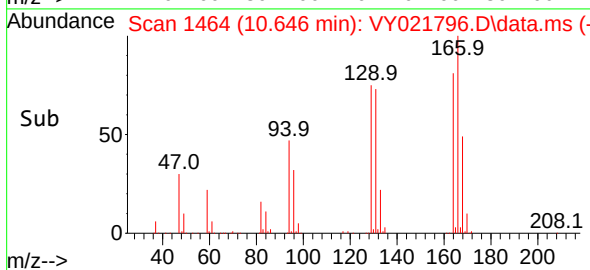
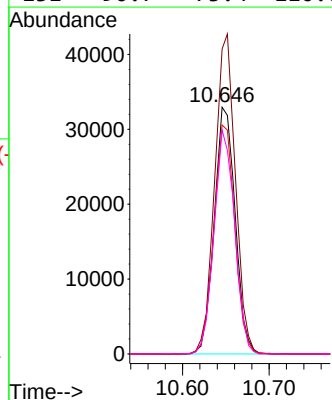
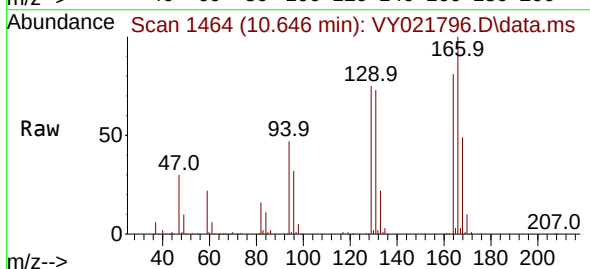
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

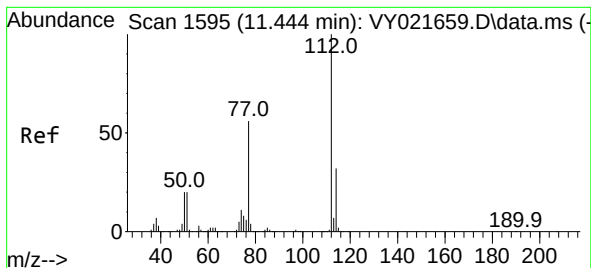
Tgt Ion:117 Resp: 287816
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 31.3 25.7 38.5



#64
Tetrachloroethene
Concen: 21.151 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:164 Resp: 55443
Ion Ratio Lower Upper
164 100
166 123.6 104.6 156.8
129 92.8 76.6 114.8
131 90.7 73.4 110.0

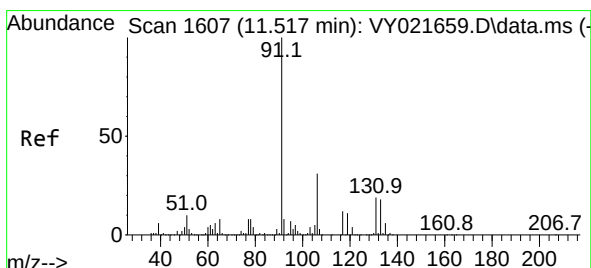
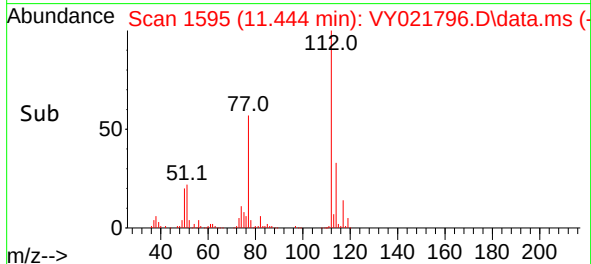
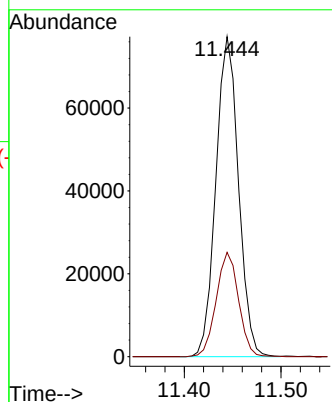
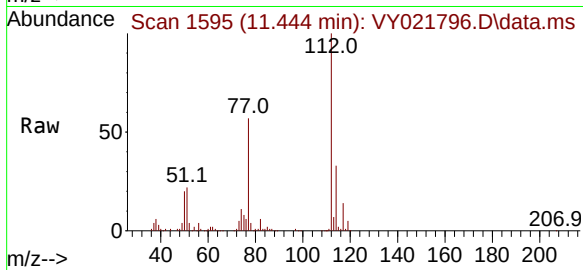




#65
Chlorobenzene
Concen: 18.989 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

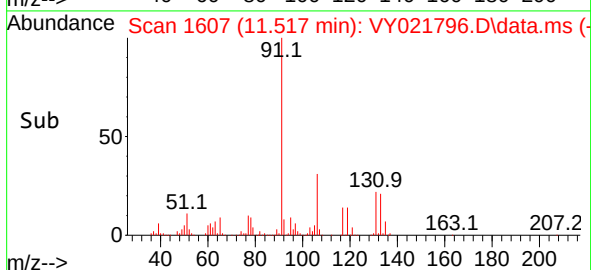
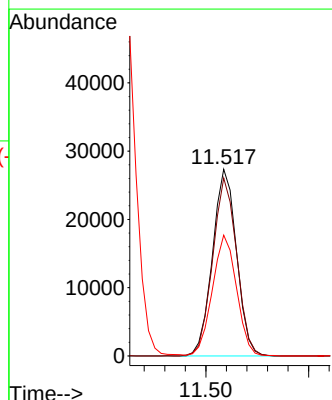
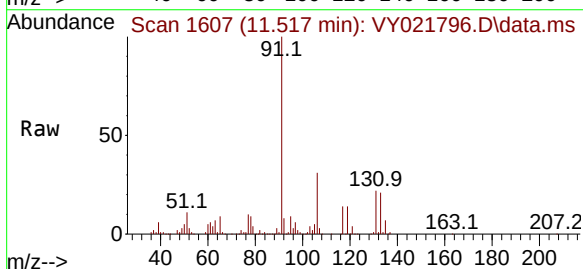
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

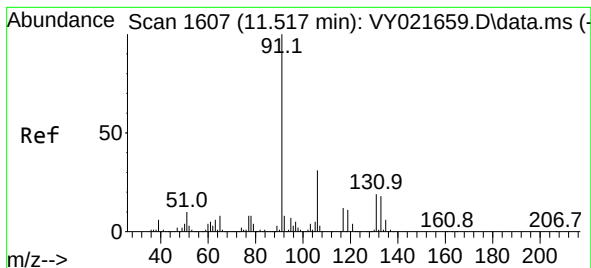
Tgt Ion:112 Resp: 125282
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.954 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:131 Resp: 44369
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 18.222 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

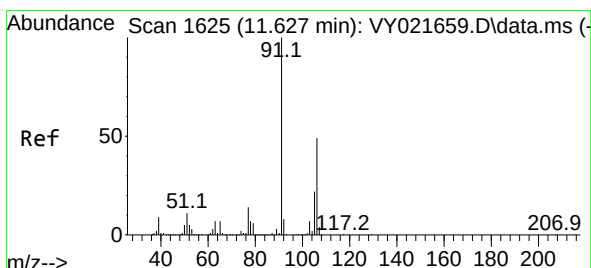
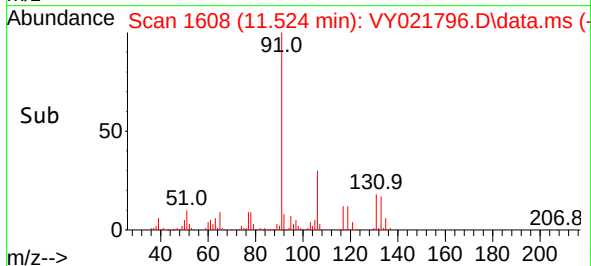
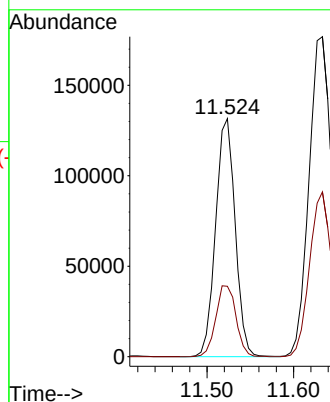
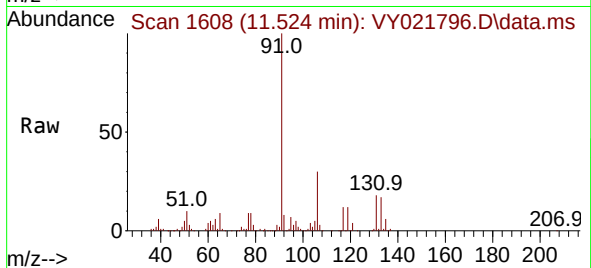
VY0407SBS01

Tgt Ion: 91 Resp: 206159

Ion Ratio Lower Upper

91 100

106 29.6 24.6 36.8



#68

m/p-Xylenes

Concen: 37.528 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021796.D

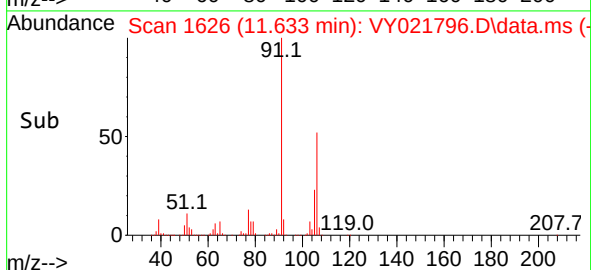
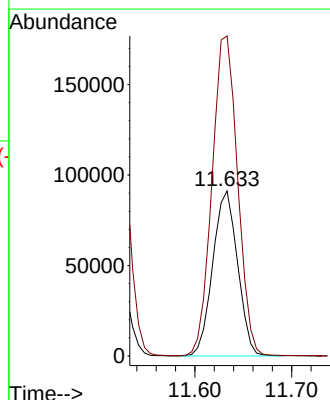
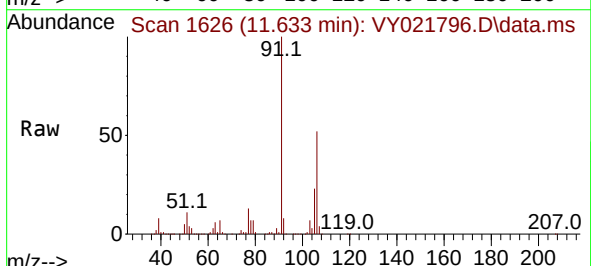
Acq: 07 Apr 2025 14:07

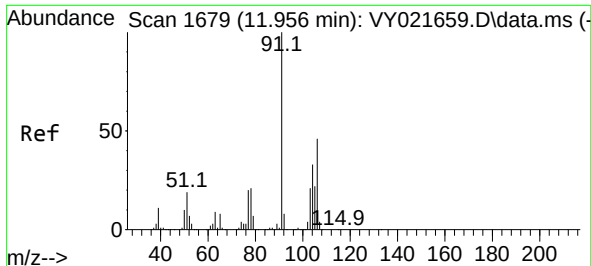
Tgt Ion:106 Resp: 162584

Ion Ratio Lower Upper

106 100

91 199.7 162.4 243.6

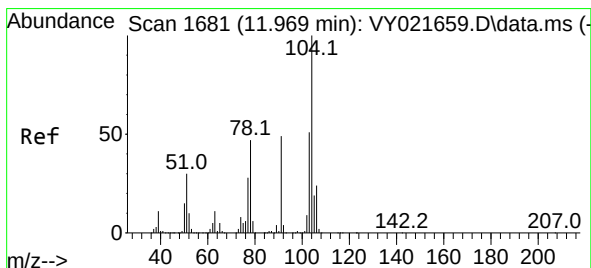
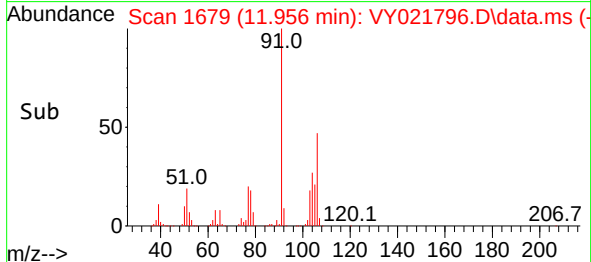
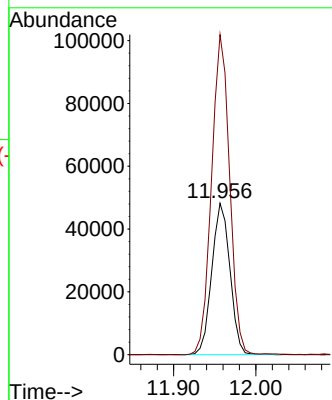
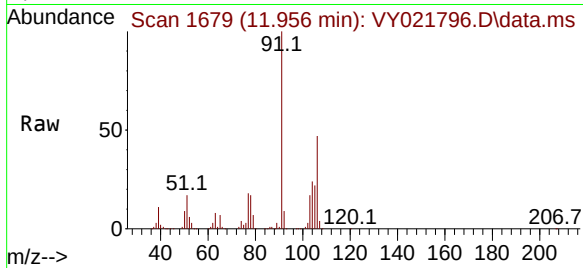




#69
o-Xylene
Concen: 18.495 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

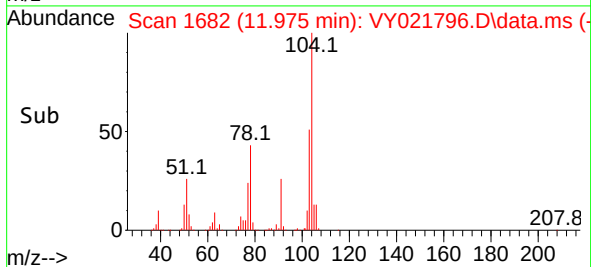
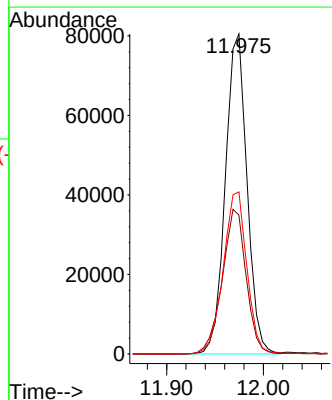
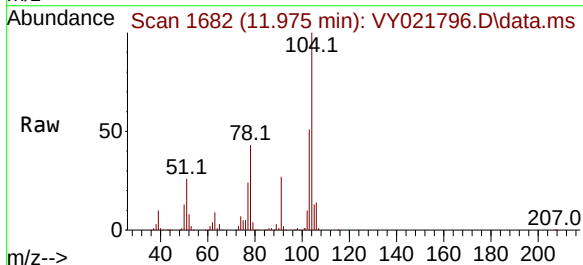
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

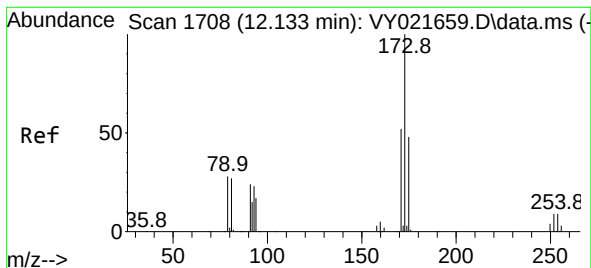
Tgt Ion:106 Resp: 73961
Ion Ratio Lower Upper
106 100
91 210.5 106.7 319.9



#70
Styrene
Concen: 18.734 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:104 Resp: 124911
Ion Ratio Lower Upper
104 100
78 50.1 40.8 61.2
103 55.6 44.2 66.2





#71

Bromoform

Concen: 19.482 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

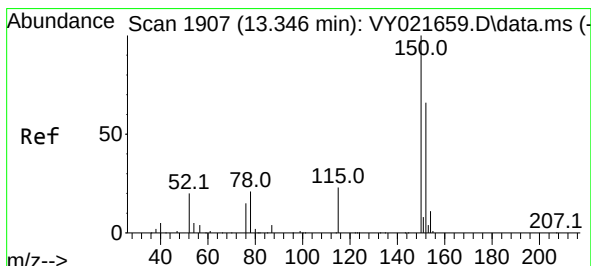
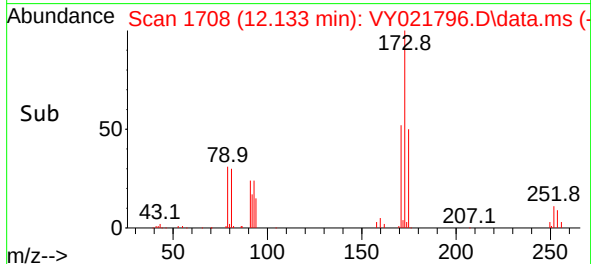
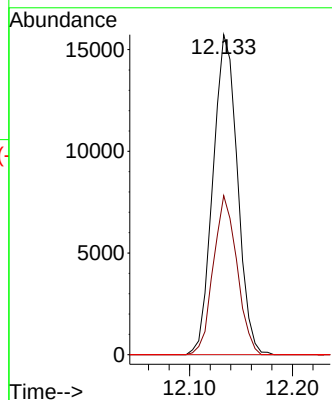
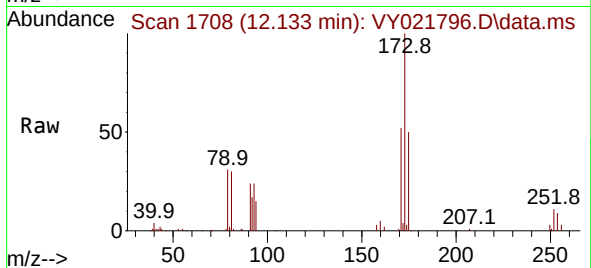
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:173	Resp:	26014
Ion Ratio	Lower	Upper
173	100	
175	48.0	24.3 73.0
254	0.0	0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

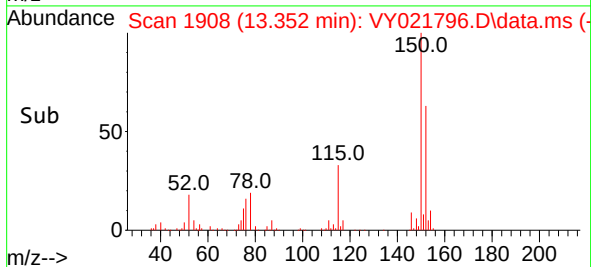
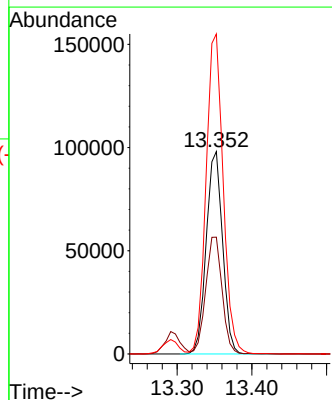
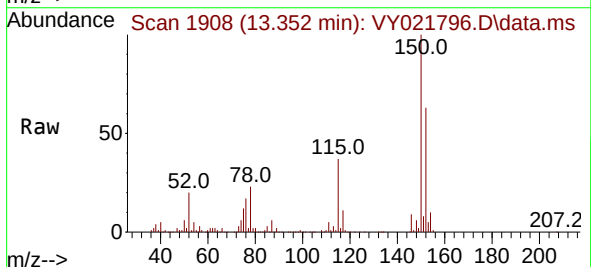
RT: 13.352 min Scan# 1908

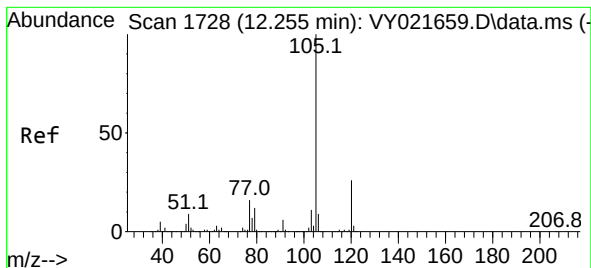
Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:152	Resp:	149046
Ion Ratio	Lower	Upper
152	100	
115	58.2	28.8 86.5
150	164.9	0.0 348.4





#73

Isopropylbenzene

Concen: 17.583 ug/l

RT: 12.255 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

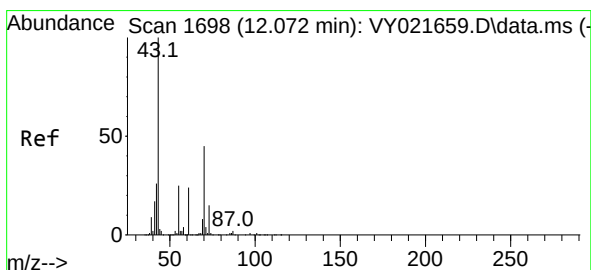
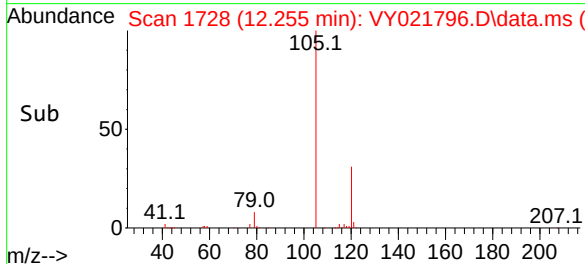
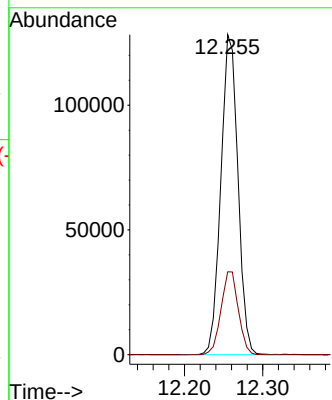
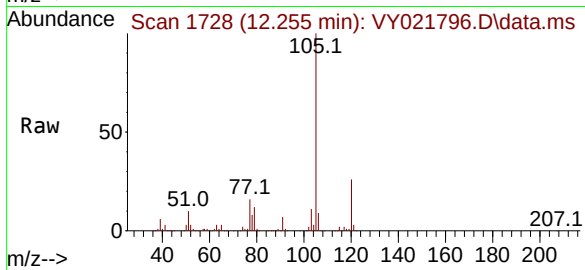
VY0407SBS01

Tgt Ion:105 Resp: 194649

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 16.847 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 43771

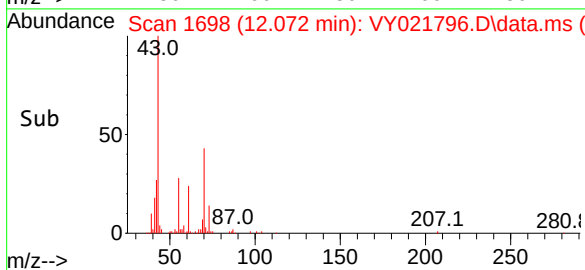
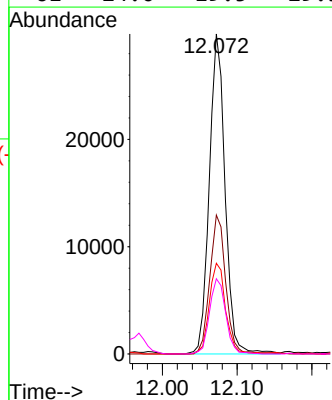
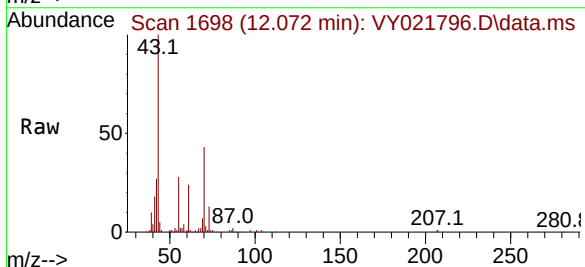
Ion Ratio Lower Upper

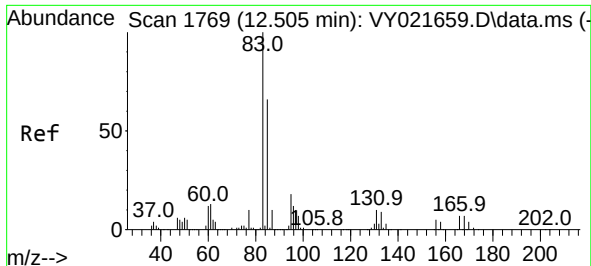
43 100

70 43.6 34.7 52.1

55 29.1 21.2 31.8

61 24.0 19.5 29.3

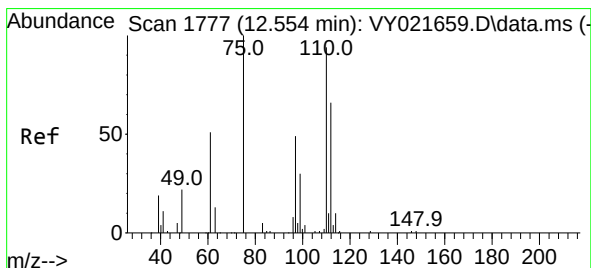
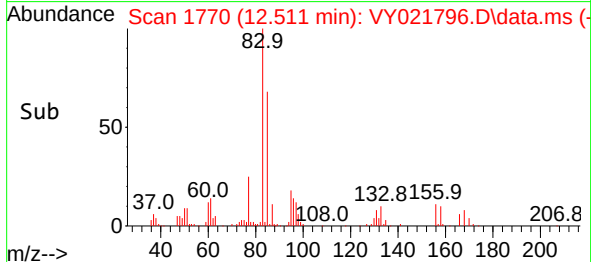
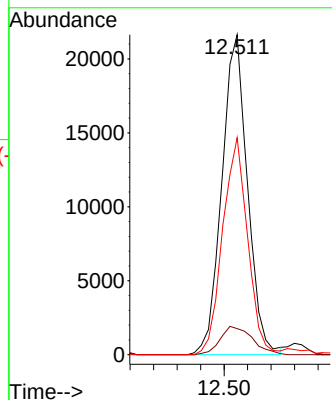
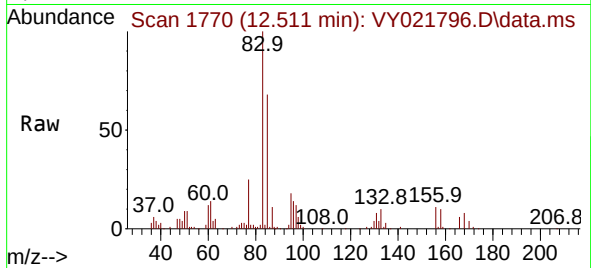




#75
1,1,2,2-Tetrachloroethane
Concen: 16.478 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

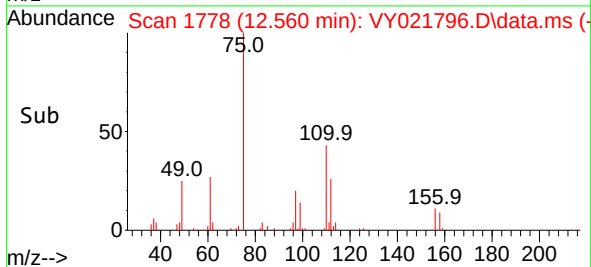
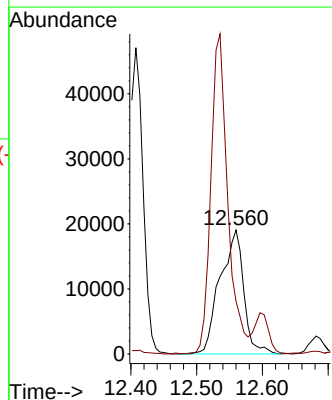
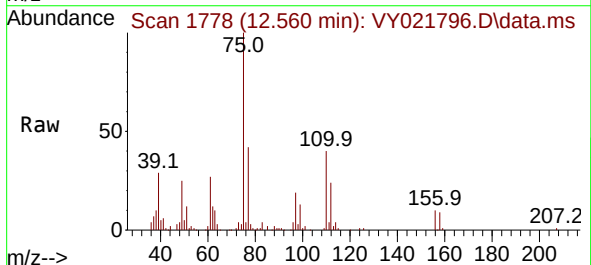
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

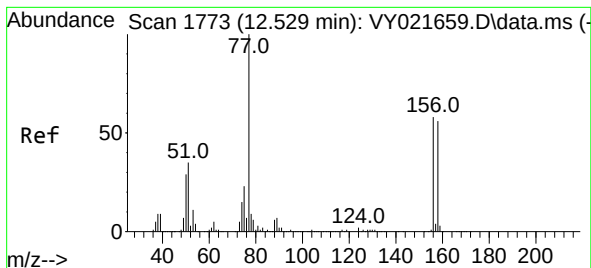
Tgt Ion: 83 Resp: 32796
Ion Ratio Lower Upper
83 100
131 11.1 5.1 15.3
85 66.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 32.338 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 47777
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.356 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

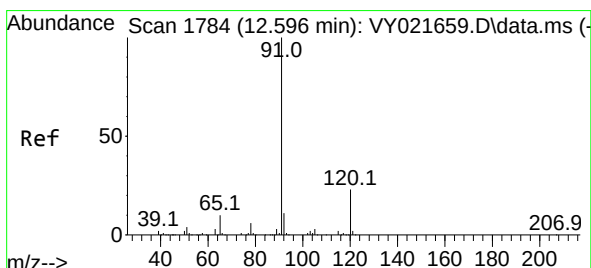
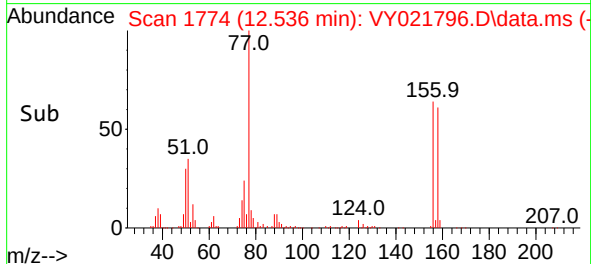
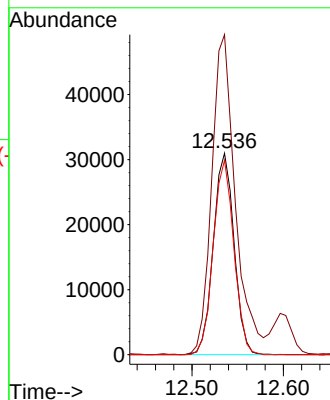
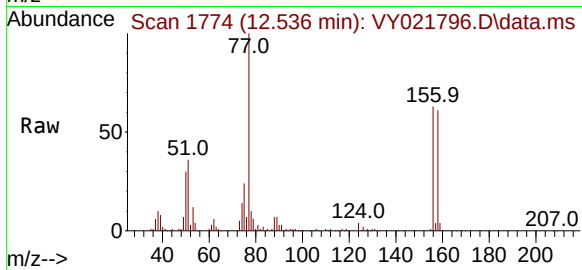
Tgt Ion:156 Resp: 48789

Ion Ratio Lower Upper

156 100

77 180.5 92.8 278.3

158 96.2 48.5 145.6



#78

n-propylbenzene

Concen: 17.983 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021796.D

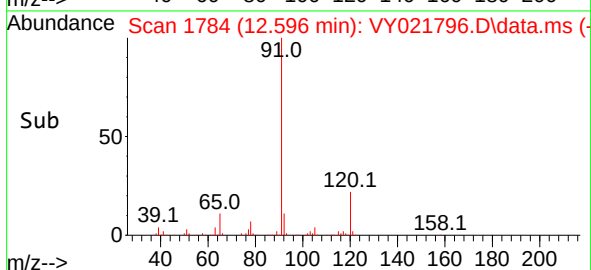
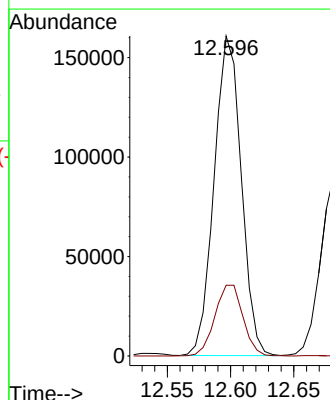
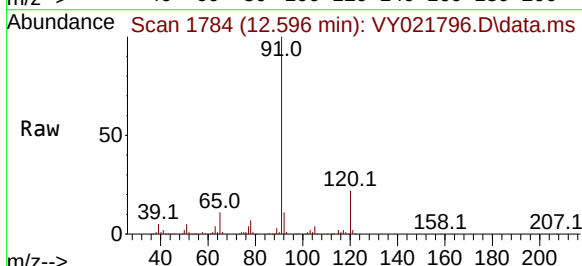
Acq: 07 Apr 2025 14:07

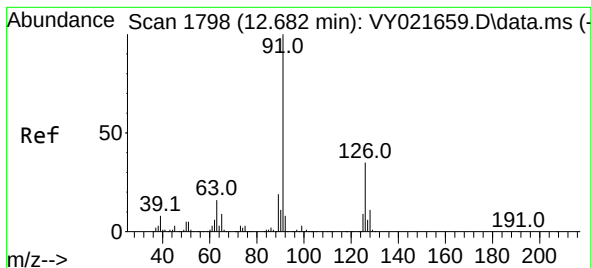
Tgt Ion: 91 Resp: 239336

Ion Ratio Lower Upper

91 100

120 23.0 11.3 33.9

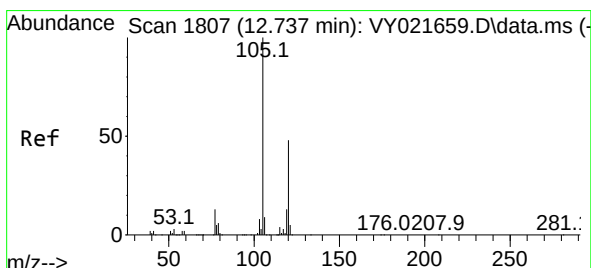
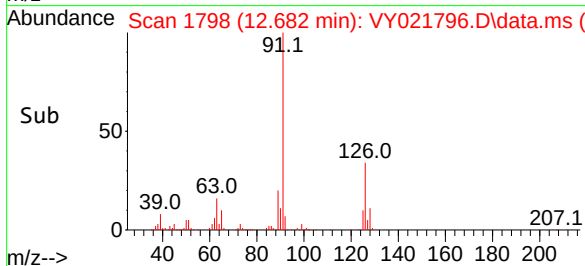
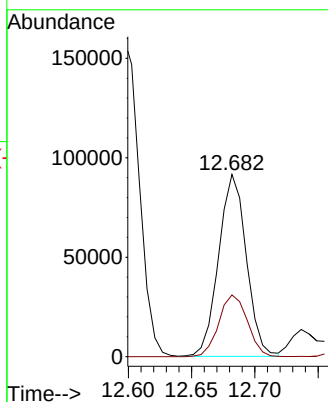
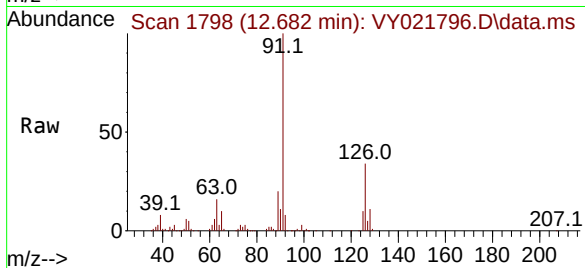




#79
2-Chlorotoluene
Concen: 18.046 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

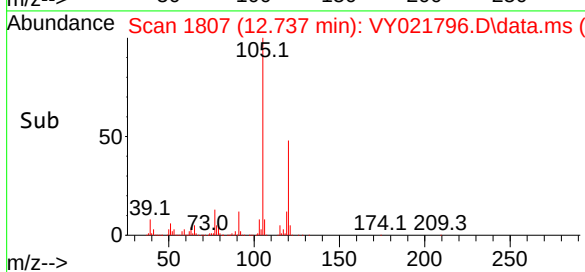
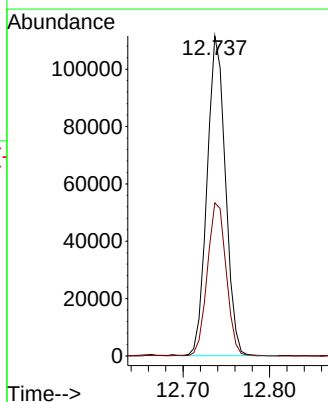
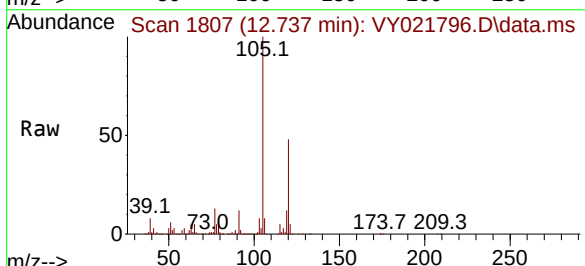
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

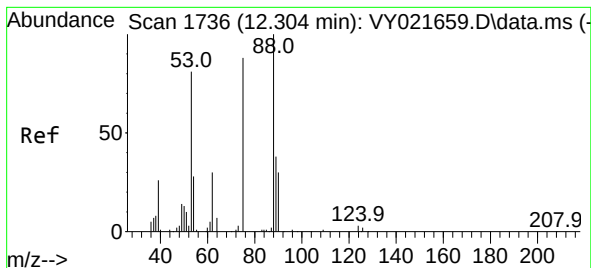
Tgt Ion: 91 Resp: 139496
Ion Ratio Lower Upper
91 100
126 35.0 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 18.130 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 105 Resp: 164031
Ion Ratio Lower Upper
105 100
120 49.3 24.5 73.5

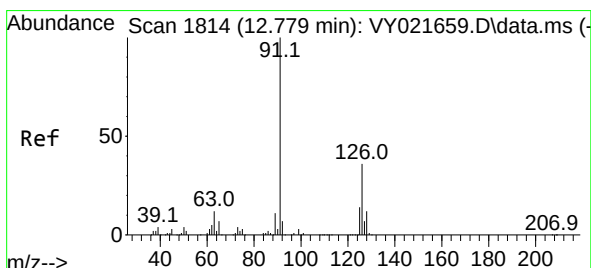
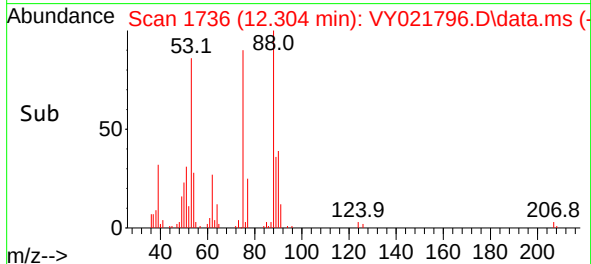
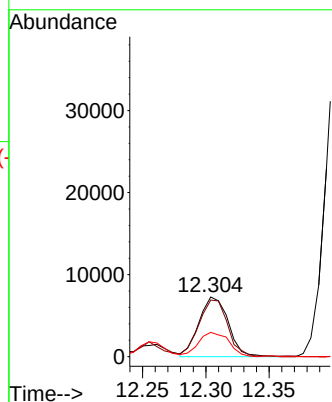
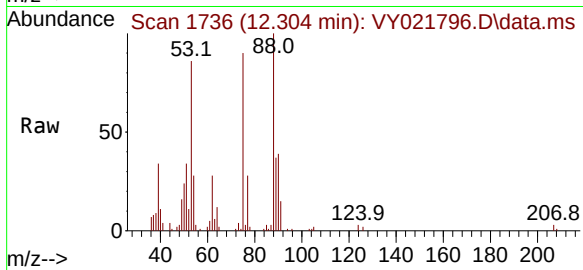




#81
trans-1,4-Dichloro-2-butene
Concen: 18.313 ug/l
RT: 12.304 min Scan# 11742
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

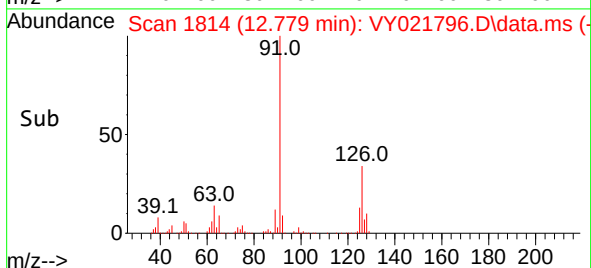
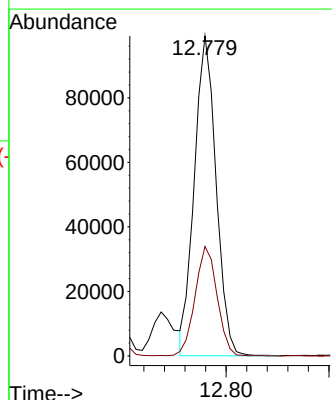
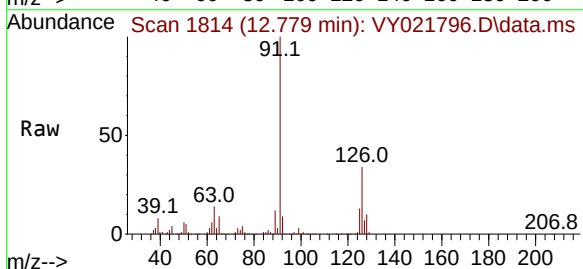
Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

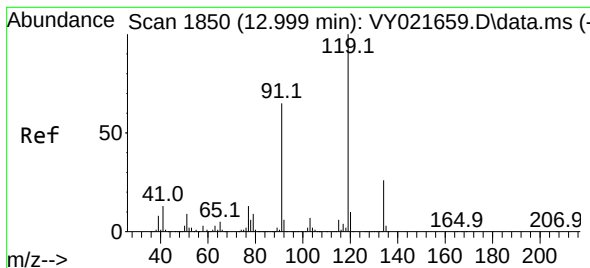
Tgt Ion:	75	Resp:	11742
Ion Ratio	Lower	Upper	
75	100		
53	91.7	76.1	114.1
89	42.2	36.2	54.4



#82
4-Chlorotoluene
Concen: 18.098 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:	91	Resp:	145850
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.0	50.9

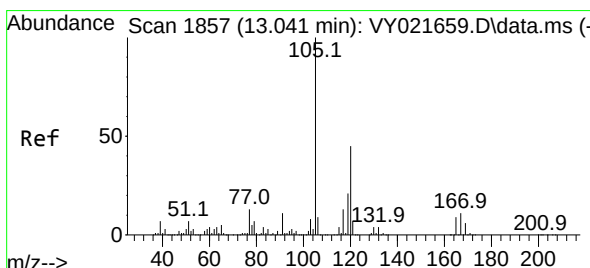
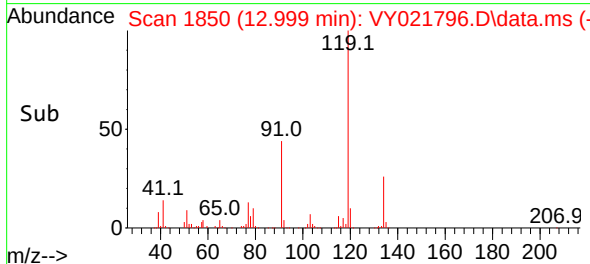
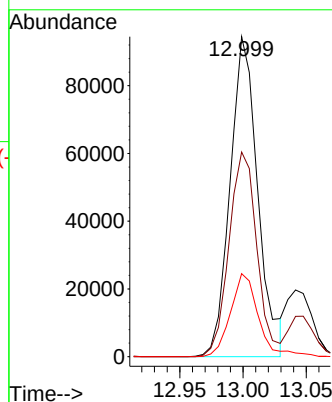
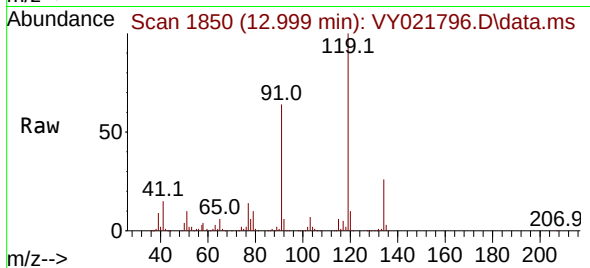




#83
 tert-Butylbenzene
 Concen: 17.867 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021796.D
 Acq: 07 Apr 2025 14:07

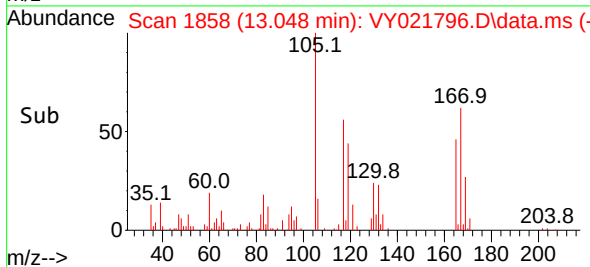
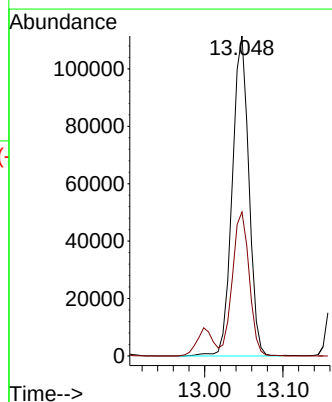
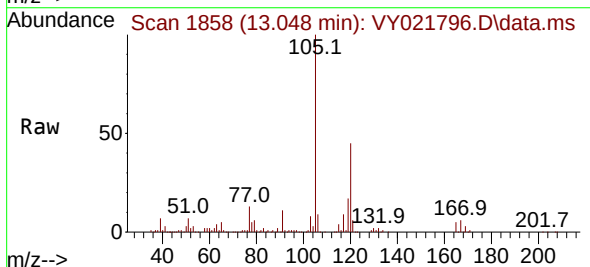
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

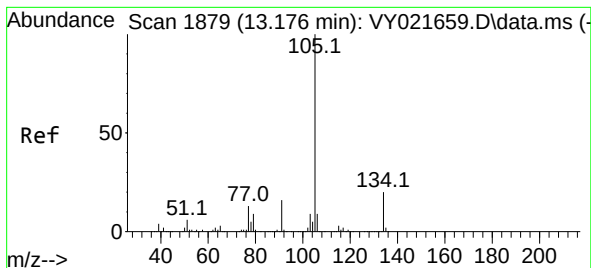
Tgt Ion:	119	Resp:	143987
Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.6	97.7
134	26.2	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.300 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: VY021796.D
 Acq: 07 Apr 2025 14:07

Tgt Ion:	105	Resp:	163642
Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 18.031 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

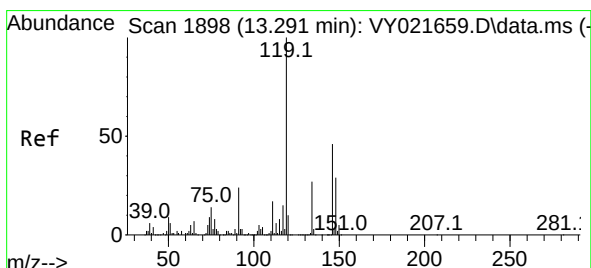
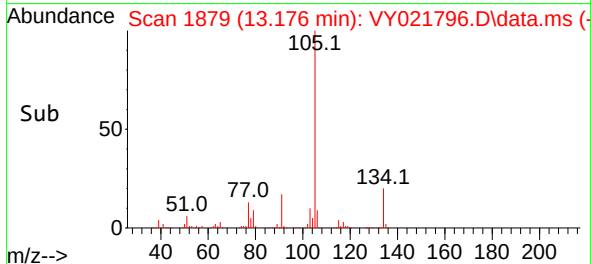
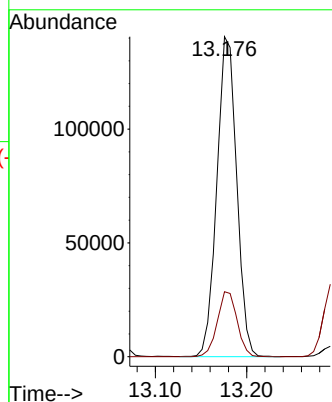
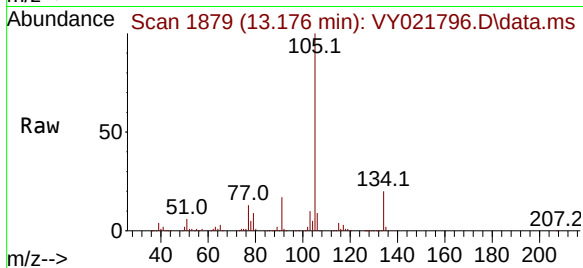
VY0407SBS01

Tgt Ion:105 Resp: 212353

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



#86

p-Isopropyltoluene

Concen: 18.171 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

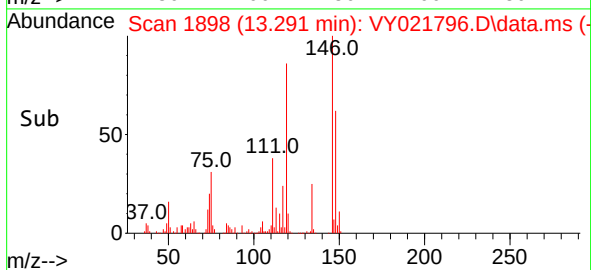
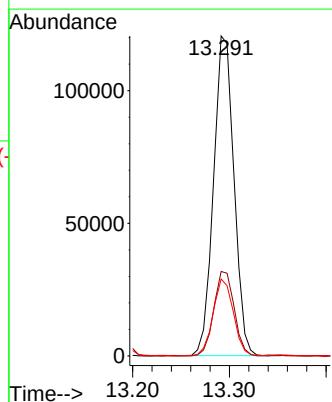
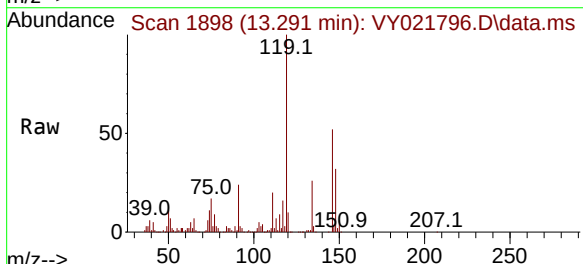
Tgt Ion:119 Resp: 176872

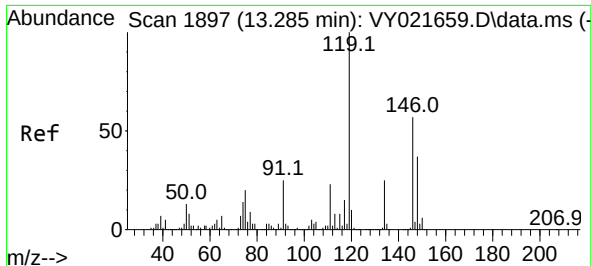
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 23.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 18.467 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

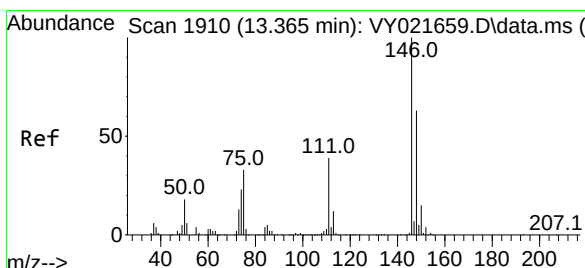
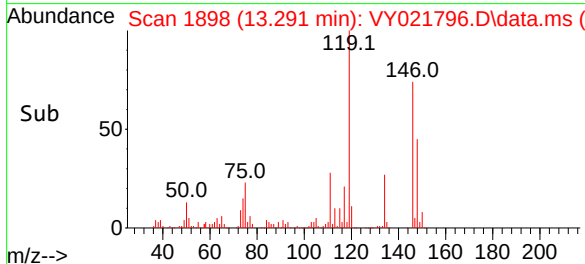
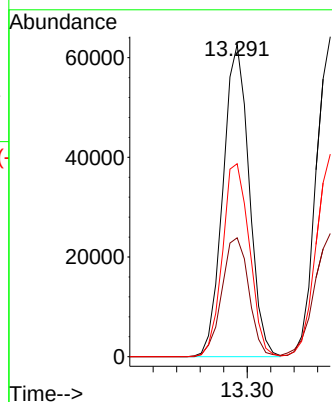
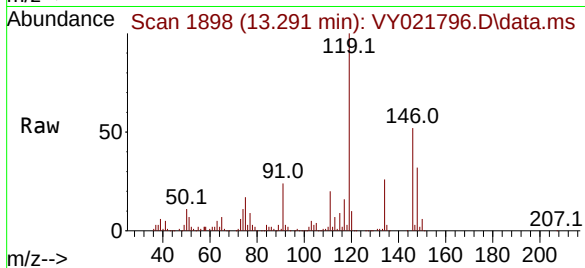
Tgt Ion:146 Resp: 96706

Ion Ratio Lower Upper

146 100

111 39.4 20.0 60.0

148 63.7 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 18.826 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

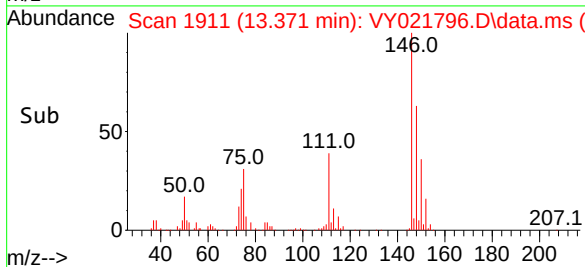
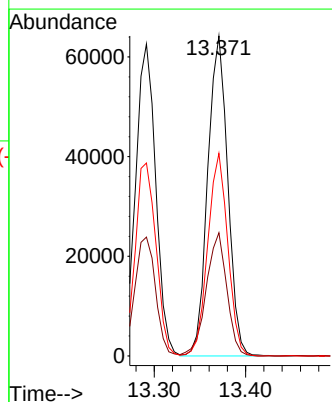
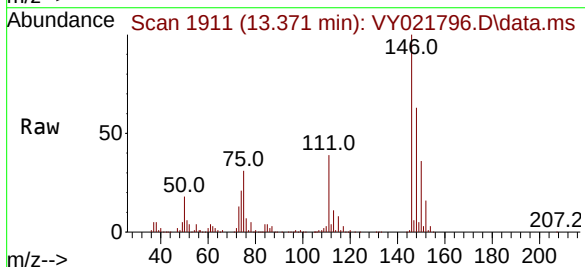
Tgt Ion:146 Resp: 97404

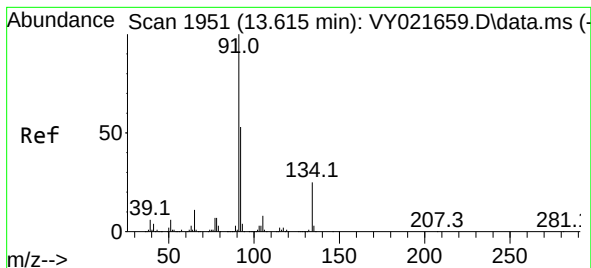
Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.1

148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 17.835 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

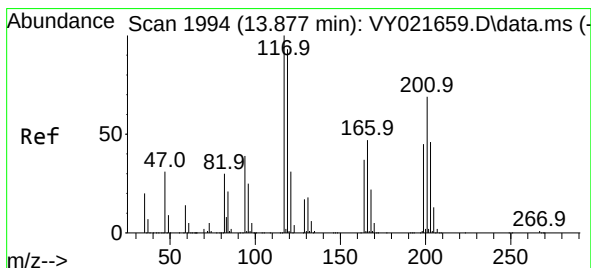
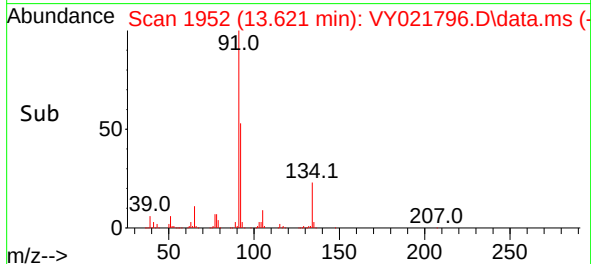
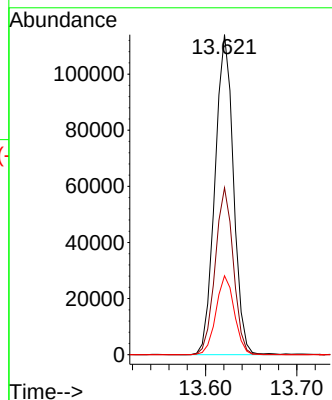
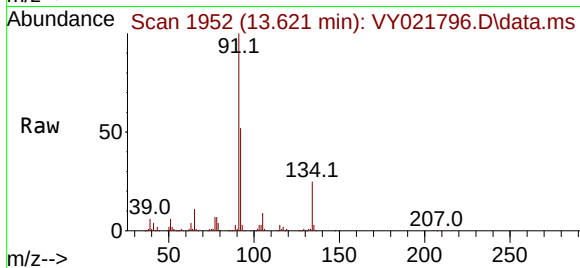
Tgt Ion: 91 Resp: 160545

Ion Ratio Lower Upper

91 100

92 51.4 26.4 79.2

134 24.5 12.8 38.4



#90

Hexachloroethane

Concen: 18.191 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021796.D

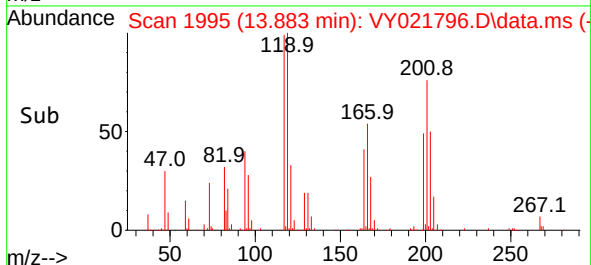
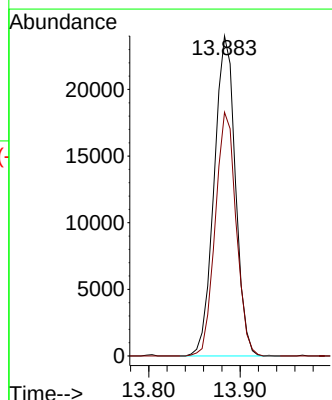
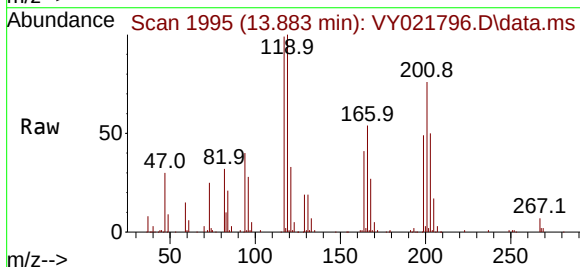
Acq: 07 Apr 2025 14:07

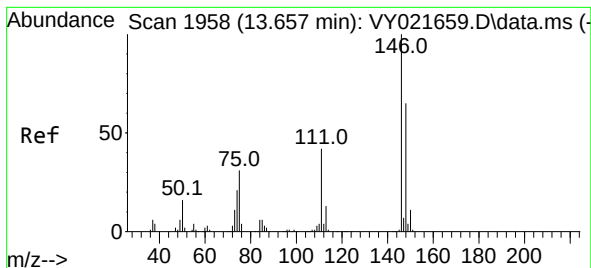
Tgt Ion: 117 Resp: 38801

Ion Ratio Lower Upper

117 100

201 74.9 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 19.029 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

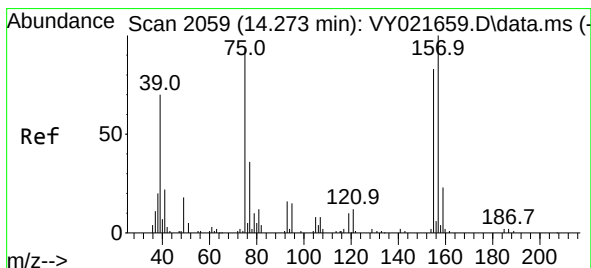
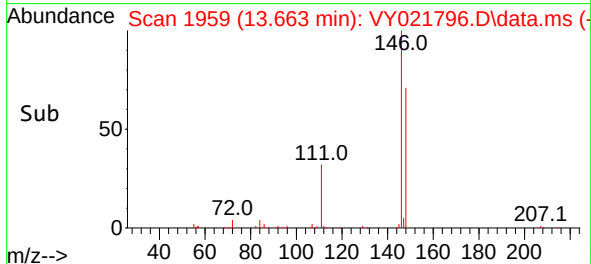
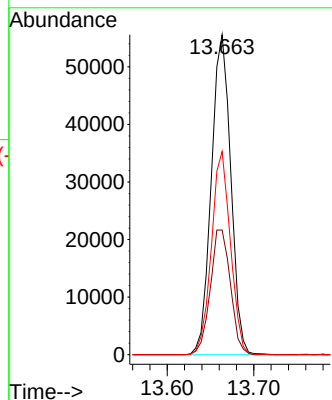
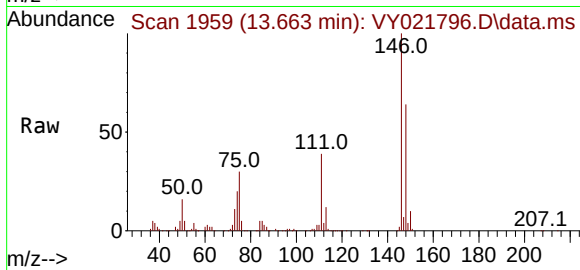
Tgt Ion:146 Resp: 86743

Ion Ratio Lower Upper

146 100

111 40.3 20.7 62.1

148 62.2 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.688 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

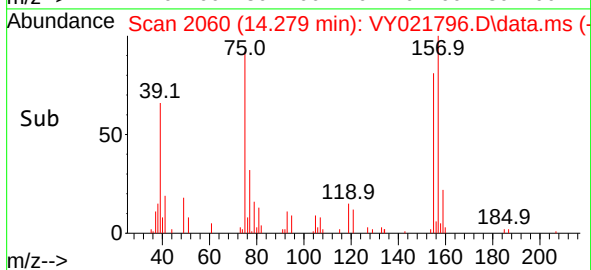
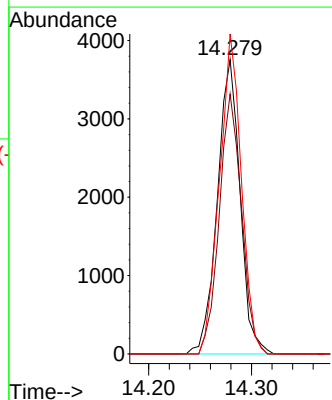
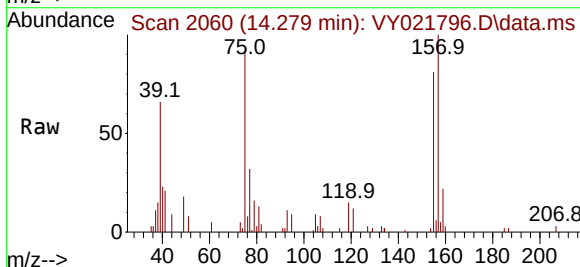
Tgt Ion: 75 Resp: 5765

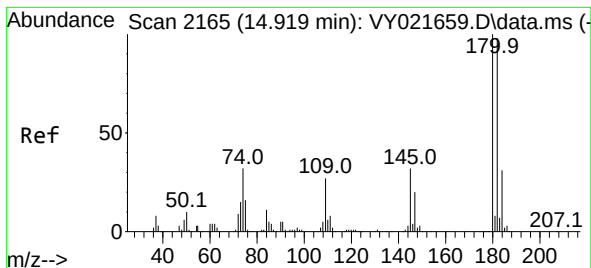
Ion Ratio Lower Upper

75 100

155 86.3 43.0 128.8

157 104.9 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.097 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

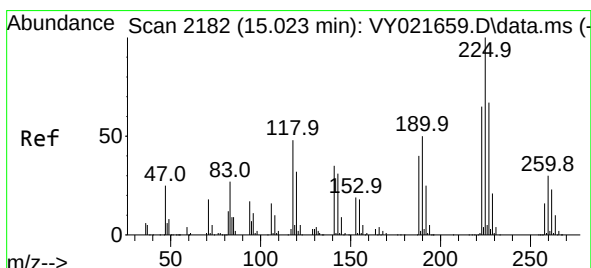
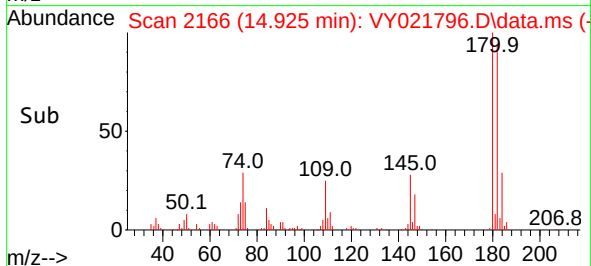
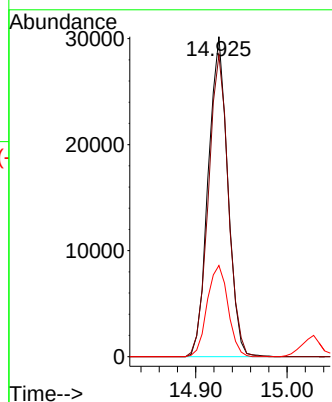
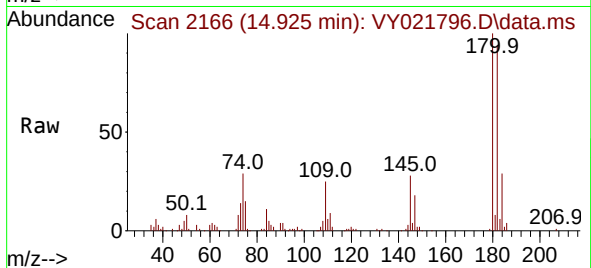
Tgt Ion:180 Resp: 44738

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.6

145 30.4 14.9 44.9



#94

Hexachlorobutadiene

Concen: 18.790 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

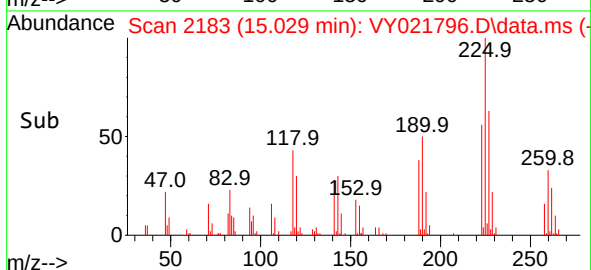
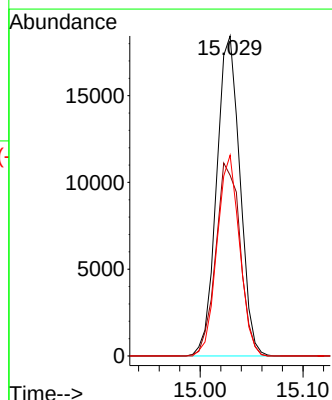
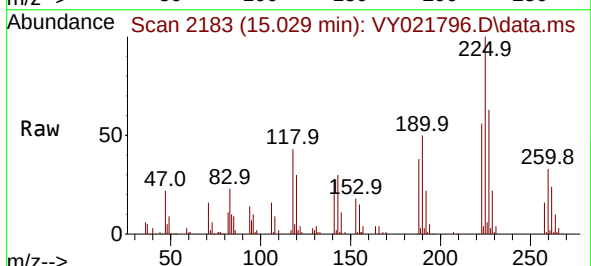
Tgt Ion:225 Resp: 29010

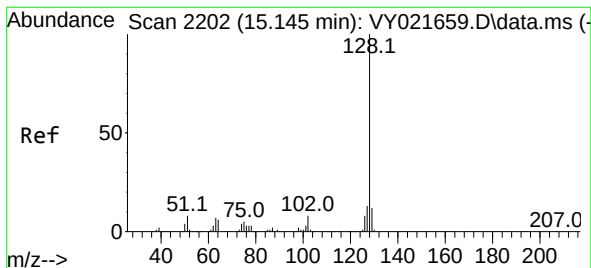
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.7

227 60.6 32.4 97.0





#95

Naphthalene

Concen: 17.212 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

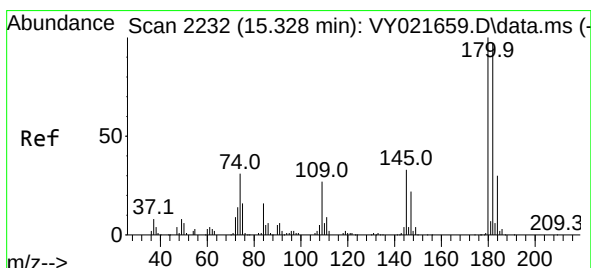
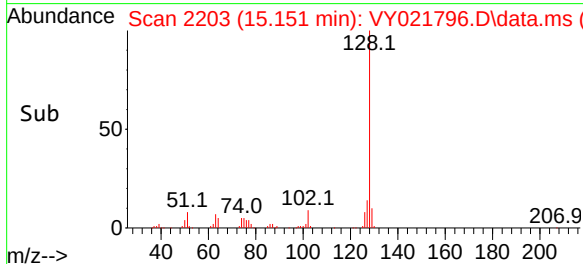
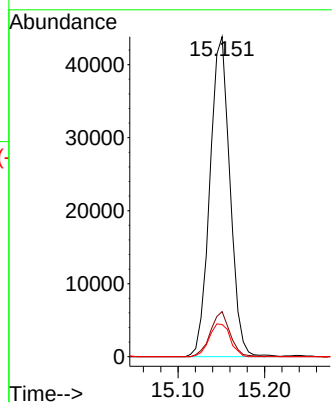
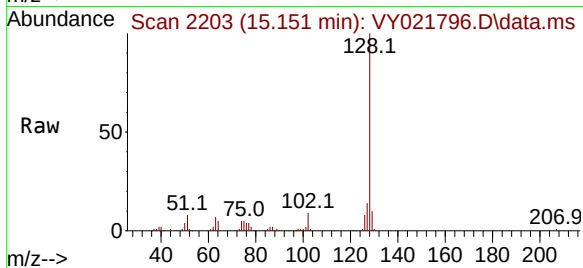
Instrument :

MSVOA_Y

ClientSampleId :

VY0407SBS01

Tgt Ion:128	Resp:	70526
Ion Ratio	Lower	Upper
128	100	
127	13.8	10.8 16.2
129	10.8	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 18.085 ug/l

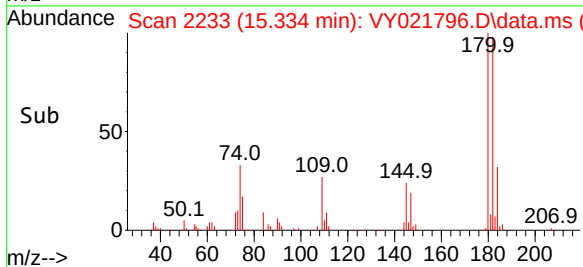
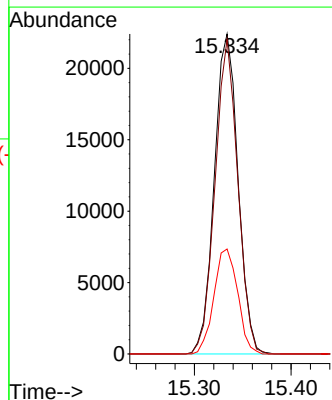
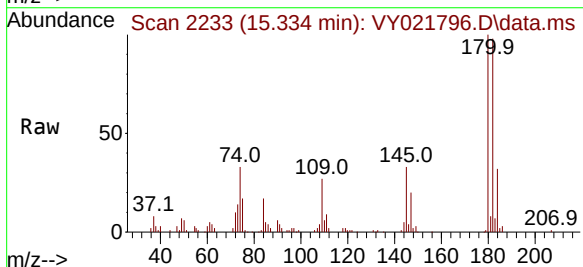
RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021796.D

Acq: 07 Apr 2025 14:07

Tgt Ion:180	Resp:	38125
Ion Ratio	Lower	Upper
180	100	
182	94.1	47.5 142.5
145	32.9	15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021804.D
 Acq On : 07 Apr 2025 17:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168360	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122404	50.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.640%	
35) Dibromofluoromethane	7.634	113	98899	44.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.320%	
50) Toluene-d8	10.109	98	440661	52.311	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.408	95	154801	54.329	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.660%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	109111	46.885	ug/l	98
3) Chloromethane	2.068	50	149962	45.826	ug/l	98
4) Vinyl Chloride	2.202	62	172733	46.675	ug/l	97
5) Bromomethane	2.592	94	109683	43.454	ug/l	97
6) Chloroethane	2.733	64	113301	46.787	ug/l	100
7) Trichlorofluoromethane	3.056	101	224789	47.416	ug/l	98
8) Diethyl Ether	3.452	74	62320	48.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122782	49.106	ug/l	99
10) Methyl Iodide	4.001	142	148881	54.276	ug/l	99
11) Tert butyl alcohol	4.866	59	38412	243.094	ug/l	100
12) 1,1-Dichloroethene	3.787	96	116318	49.389	ug/l	99
13) Acrolein	3.659	56	22716	78.732	ug/l	97
14) Allyl chloride	4.385	41	184227	49.061	ug/l	98
15) Acrylonitrile	5.061	53	136191	253.002	ug/l	99
16) Acetone	3.873	43	104517	209.922	ug/l	99
17) Carbon Disulfide	4.104	76	362183	46.691	ug/l	97
18) Methyl Acetate	4.385	43	76494	61.991	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	301905	51.489	ug/l	98
20) Methylene Chloride	4.616	84	129704	53.510	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	128306	49.480	ug/l	99
22) Diisopropyl ether	6.019	45	406412	51.594	ug/l	98
23) Vinyl Acetate	5.958	43	1005856	218.278	ug/l	100
24) 1,1-Dichloroethane	5.915	63	234722	49.834	ug/l	99
25) 2-Butanone	6.890	43	172460	242.513	ug/l	99
26) 2,2-Dichloropropane	6.884	77	203337	48.532	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	147307	50.515	ug/l	98
28) Bromochloromethane	7.244	49	98094	49.382	ug/l	98
29) Tetrahydrofuran	7.262	42	118440	258.784	ug/l	100
30) Chloroform	7.421	83	246310	50.278	ug/l	96
31) Cyclohexane	7.701	56	204030	47.519	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221309	49.982	ug/l	99
36) 1,1-Dichloropropene	7.835	75	174776	51.820	ug/l	99
37) Ethyl Acetate	6.982	43	80524	50.589	ug/l	99
38) Carbon Tetrachloride	7.817	117	201147	52.071	ug/l	100
39) Methylcyclohexane	9.110	83	213550	53.002	ug/l	98
40) Benzene	8.079	78	524100	51.889	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021804.D
 Acq On : 07 Apr 2025 17:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	41173	48.707	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	150119	52.720	ug/l	100
43) Isopropyl Acetate	8.195	43	158937	52.690	ug/l	98
44) Trichloroethene	8.866	130	153934	59.815	ug/l	98
45) 1,2-Dichloropropane	9.140	63	126060	52.726	ug/l	98
46) Dibromomethane	9.231	93	72759	52.805	ug/l	98
47) Bromodichloromethane	9.427	83	186427	52.215	ug/l	99
48) Methyl methacrylate	9.219	41	75589	54.600	ug/l	99
49) 1,4-Dioxane	9.231	88	16797	1137.947	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	437927	278.979	ug/l	99
52) Toluene	10.170	92	337143	53.500	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	165396	52.154	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	195840	52.346	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	95662	53.949	ug/l	98
56) Ethyl methacrylate	10.439	69	131852	58.234	ug/l	98
57) 1,3-Dichloropropane	10.719	76	166086	54.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	325502	294.697	ug/l	100
59) 2-Hexanone	10.762	43	291456	278.791	ug/l	99
60) Dibromochloromethane	10.914	129	128616	53.126	ug/l	100
61) 1,2-Dibromoethane	11.012	107	90766	54.567	ug/l	99
64) Tetrachloroethene	10.646	164	188331	66.382	ug/l	98
65) Chlorobenzene	11.444	112	368544	51.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	130042	51.329	ug/l	99
67) Ethyl Benzene	11.518	91	651824	53.233	ug/l	99
68) m/p-Xylenes	11.627	106	498739	106.367	ug/l	100
69) o-Xylene	11.957	106	233580	53.967	ug/l	98
70) Styrene	11.969	104	397557	55.090	ug/l	100
71) Bromoform	12.133	173	76677	53.058	ug/l #	100
73) Isopropylbenzene	12.255	105	623474	49.859	ug/l	100
74) N-amyl acetate	12.072	43	147196	50.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	69040	30.709	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	147788	88.555	ug/l #	100
77) Bromobenzene	12.530	156	148624	49.502	ug/l	98
78) n-propylbenzene	12.597	91	755384	50.246	ug/l	99
79) 2-Chlorotoluene	12.682	91	429871	49.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	515287	50.419	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	33694	46.520	ug/l	99
82) 4-Chlorotoluene	12.780	91	446850	49.086	ug/l	100
83) tert-Butylbenzene	12.999	119	452797	49.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	519749	51.455	ug/l	99
85) sec-Butylbenzene	13.176	105	670543	50.405	ug/l	99
86) p-Isopropyltoluene	13.292	119	567055	51.574	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	291683	49.310	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	288989	49.448	ug/l	99
89) n-Butylbenzene	13.621	91	522872	51.422	ug/l	100
90) Hexachloroethane	13.877	117	117807	48.894	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	257864	50.078	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17640	50.624	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	152417	54.582	ug/l	99
94) Hexachlorobutadiene	15.023	225	90260	51.756	ug/l	99
95) Naphthalene	15.145	128	278323	60.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	132748	55.748	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

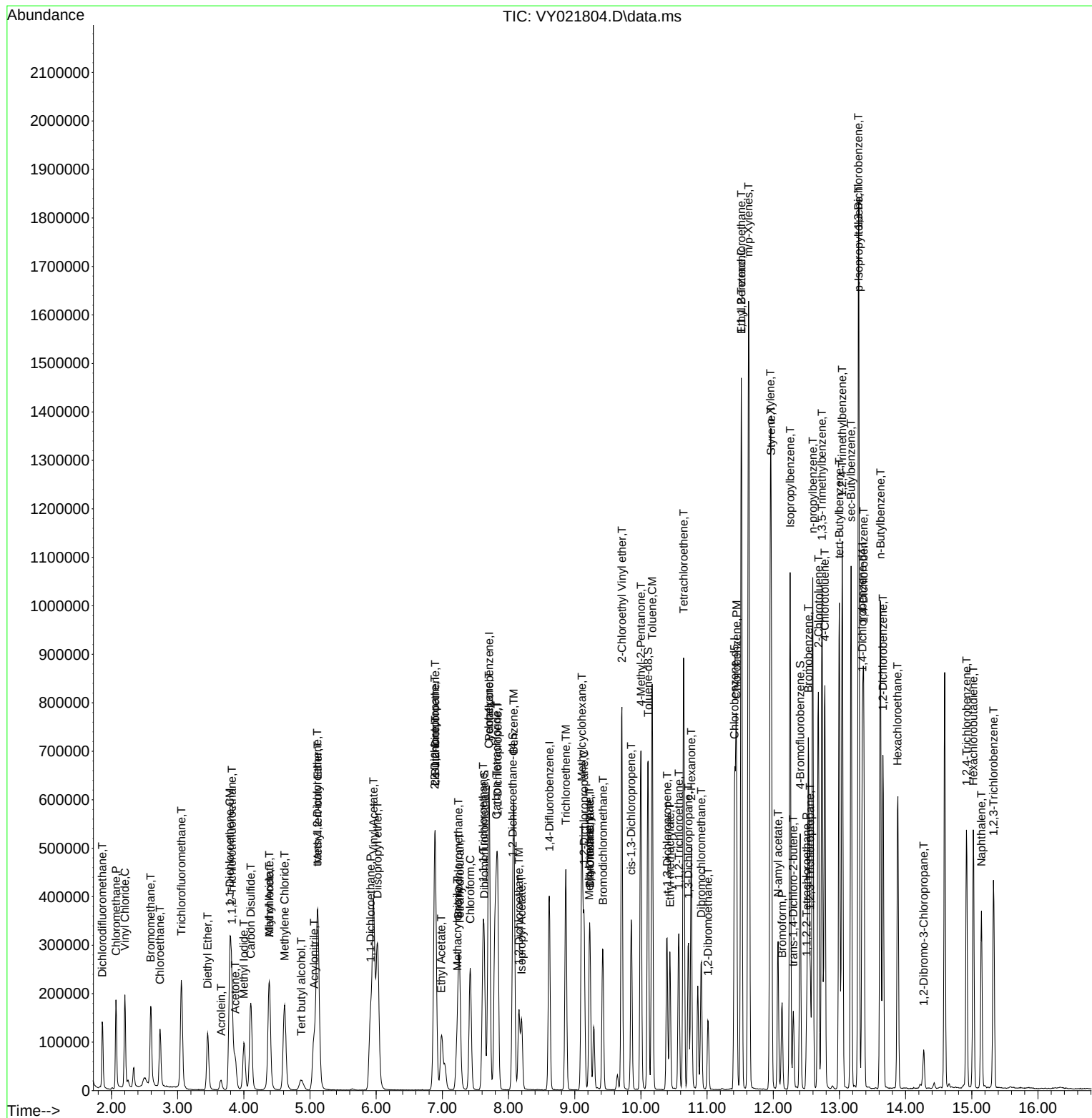
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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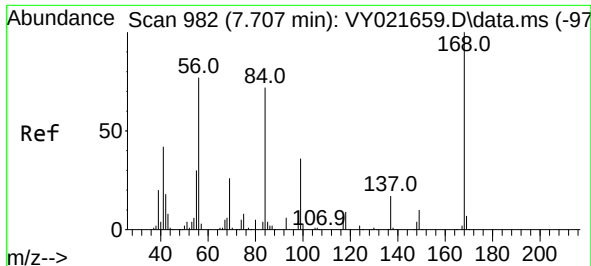
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

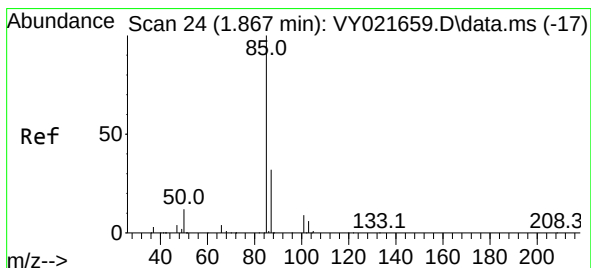
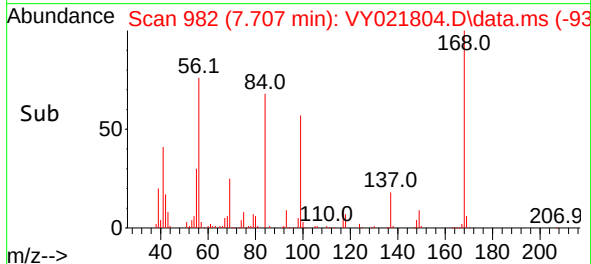
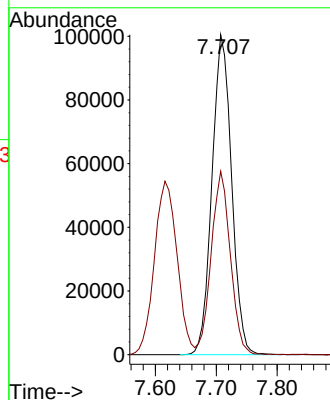
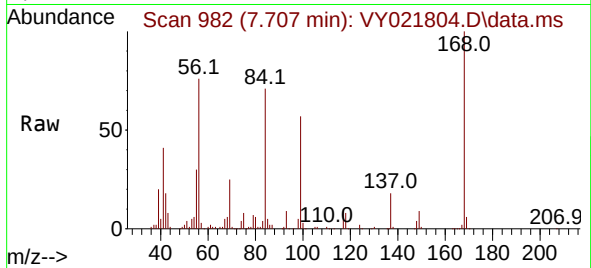




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

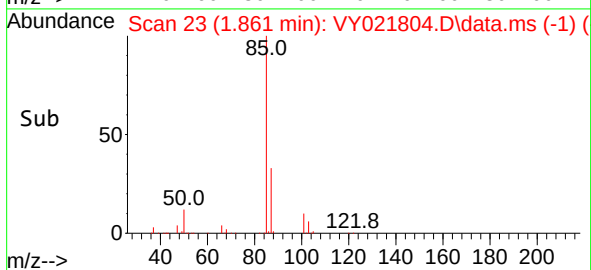
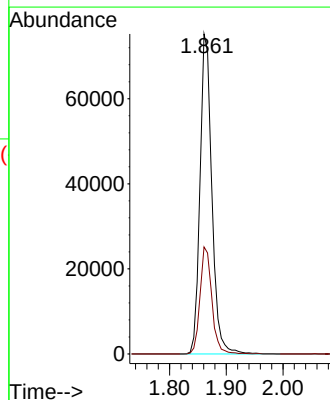
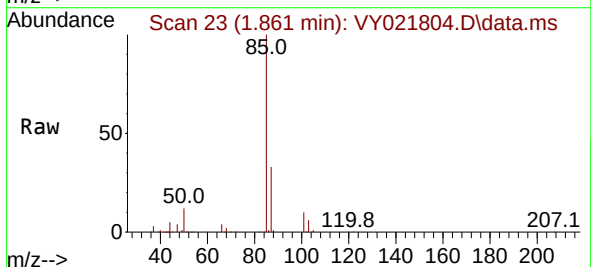
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

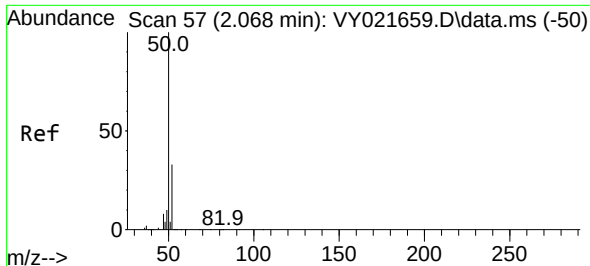
Tgt Ion:168 Resp: 224532
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 46.885 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 85 Resp: 109111
Ion Ratio Lower Upper
85 100
87 33.5 16.2 48.6

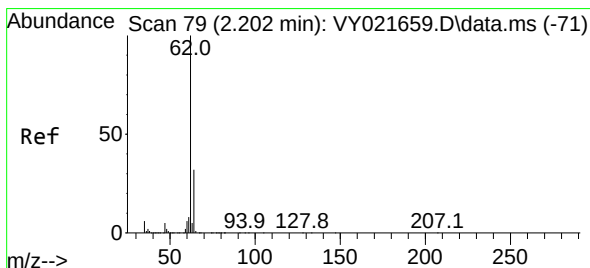
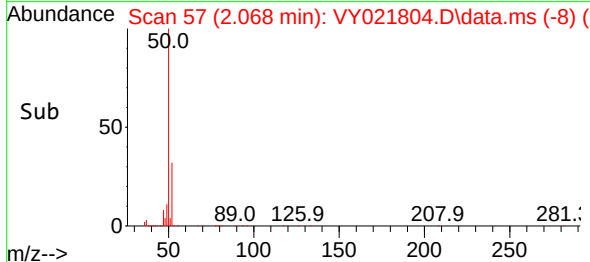
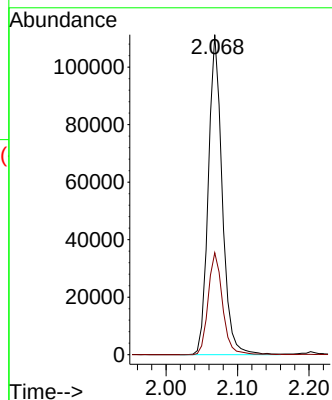
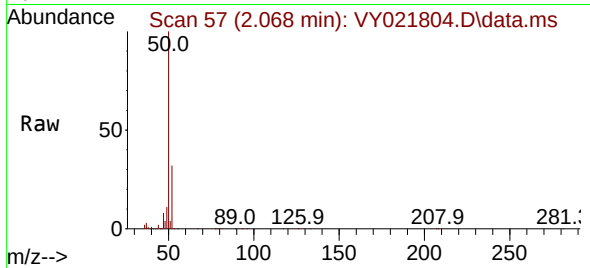




#3
Chloromethane
Concen: 45.826 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

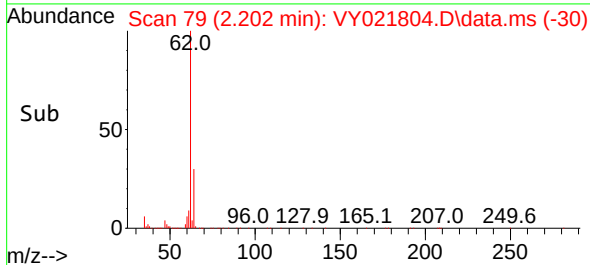
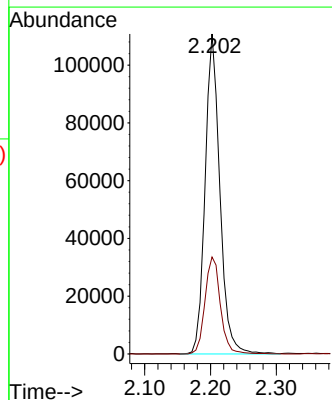
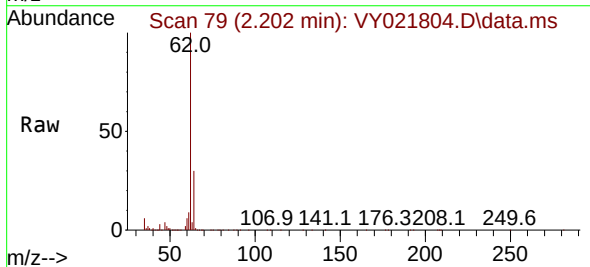
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

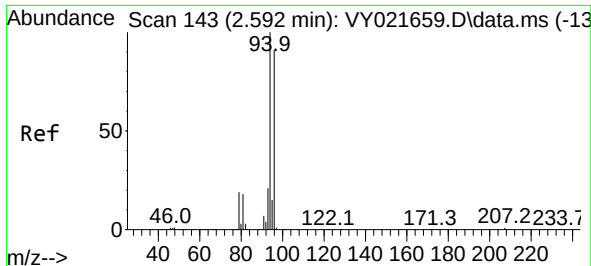
Tgt Ion: 50 Resp: 149962
Ion Ratio Lower Upper
50 100
52 31.9 26.3 39.5



#4
Vinyl Chloride
Concen: 46.675 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 62 Resp: 172733
Ion Ratio Lower Upper
62 100
64 30.3 25.5 38.3

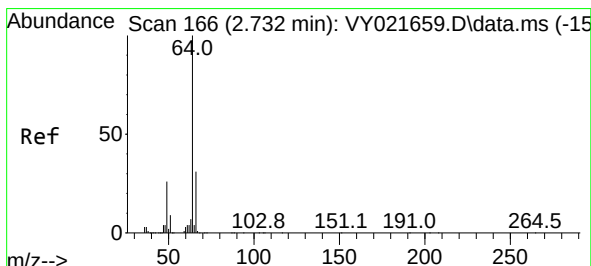
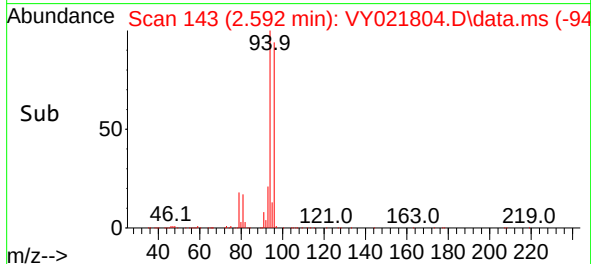
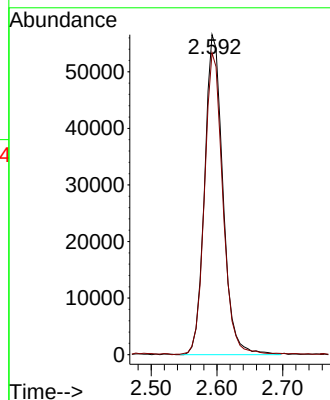
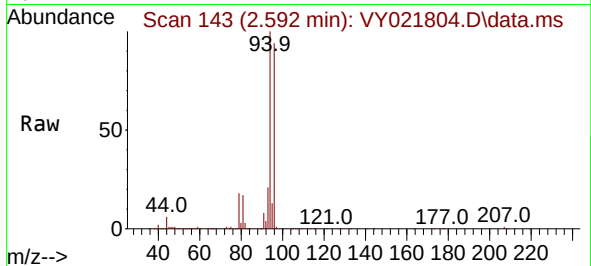




#5
Bromomethane
Concen: 43.454 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

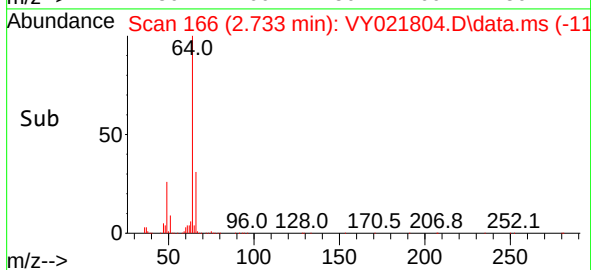
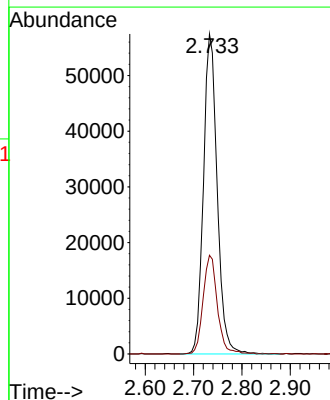
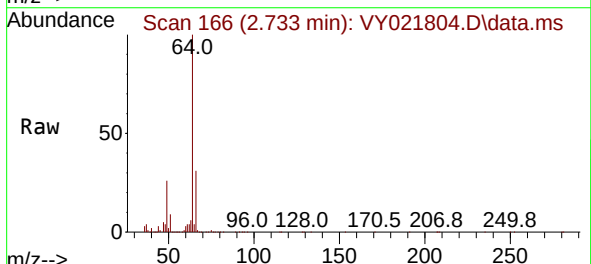
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

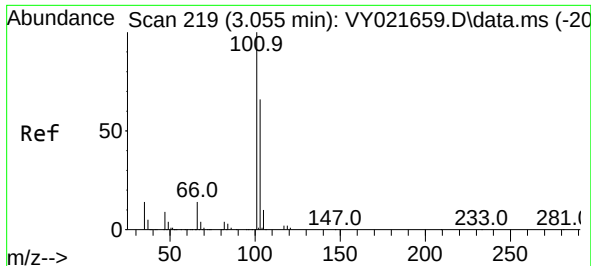
Tgt Ion: 94 Resp: 109683
Ion Ratio Lower Upper
94 100
96 94.1 72.8 109.2



#6
Chloroethane
Concen: 46.787 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 64 Resp: 113301
Ion Ratio Lower Upper
64 100
66 30.9 24.9 37.3

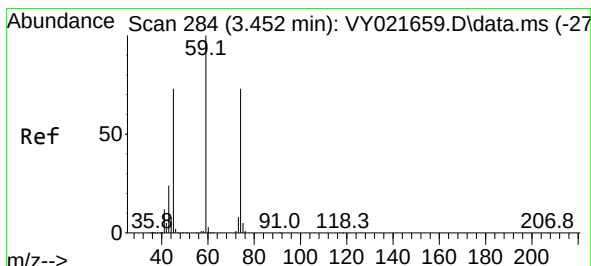
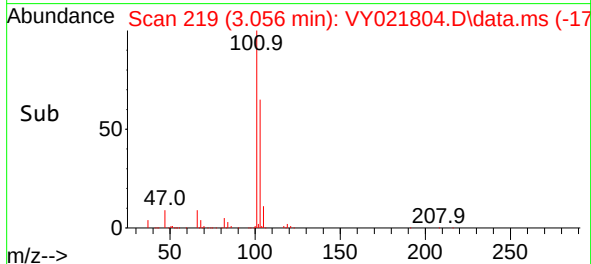
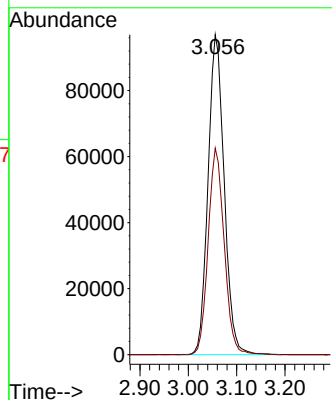
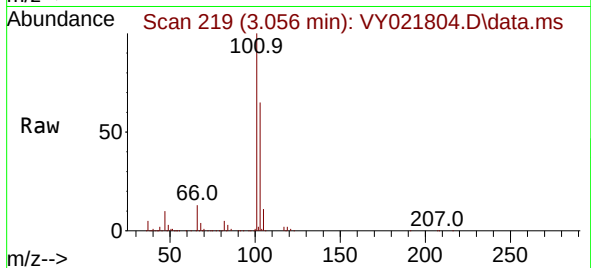




#7
 Trichlorofluoromethane
 Concen: 47.416 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

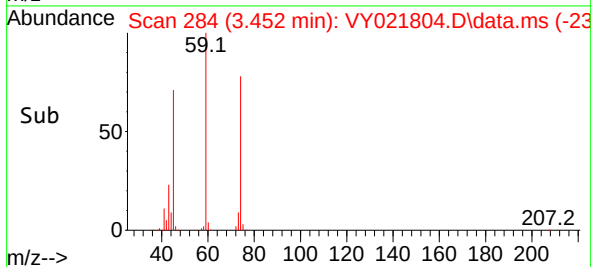
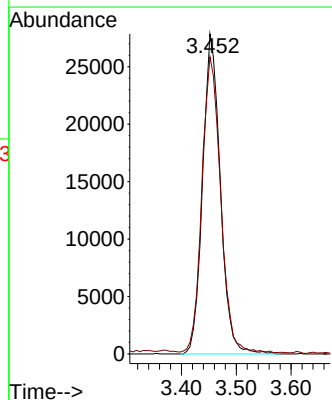
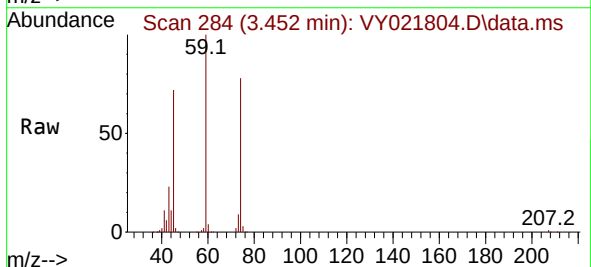
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

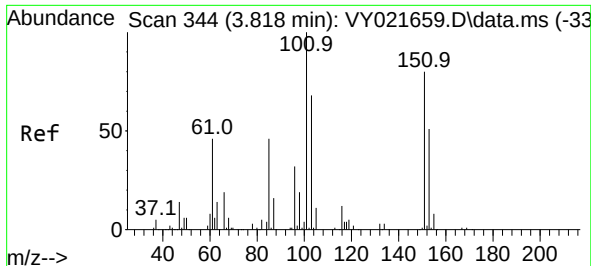
Tgt Ion:101 Resp: 224789
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.1 79.7



#8
 Diethyl Ether
 Concen: 48.339 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

Tgt Ion: 74 Resp: 62320
 Ion Ratio Lower Upper
 74 100
 45 97.7 48.6 145.8

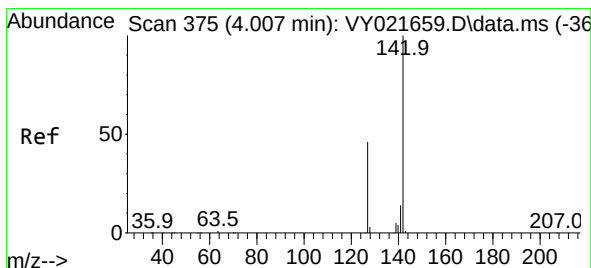
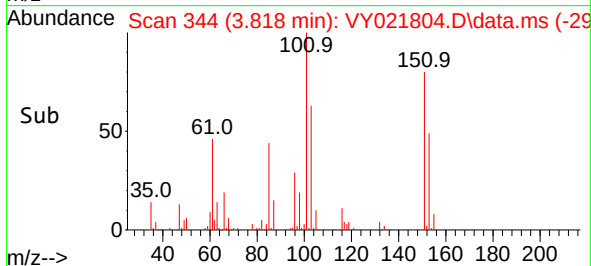
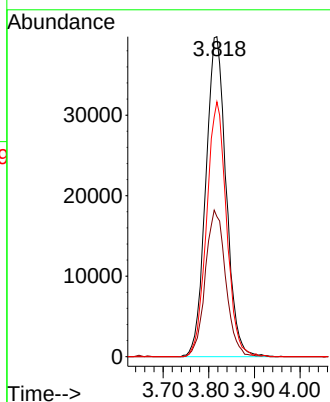
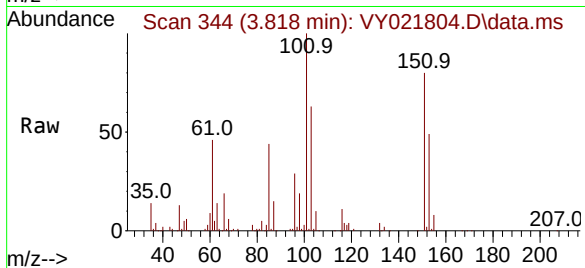




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.106 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

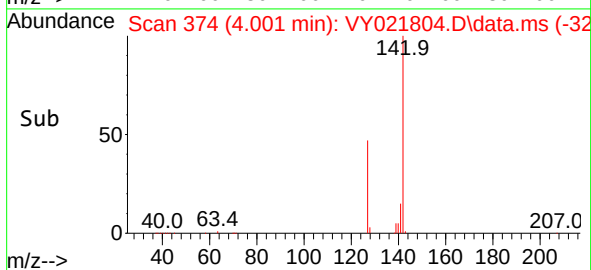
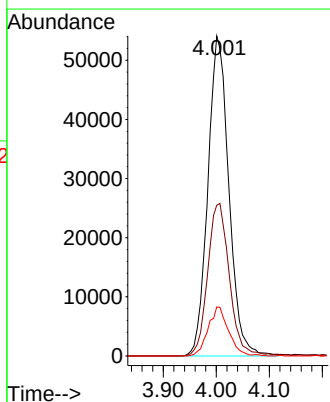
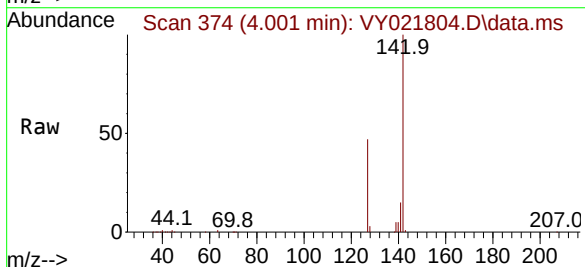
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

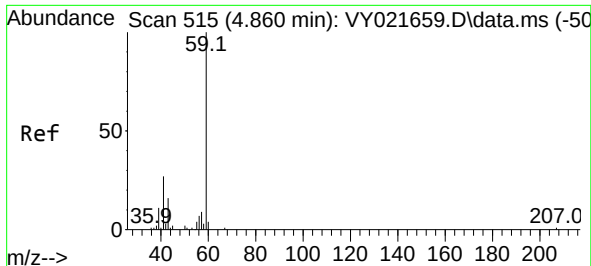
Tgt Ion:101 Resp: 122782
Ion Ratio Lower Upper
101 100
85 46.1 36.3 54.5
151 78.1 61.3 91.9



#10
Methyl Iodide
Concen: 54.276 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:142 Resp: 148881
Ion Ratio Lower Upper
142 100
127 49.5 38.7 58.1
141 14.8 11.5 17.3

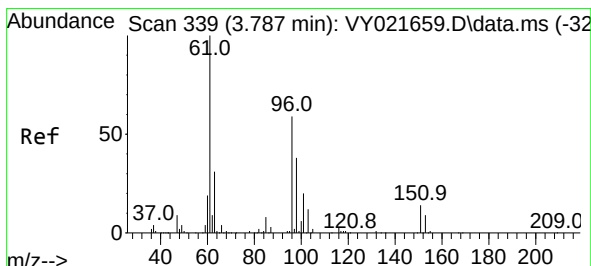
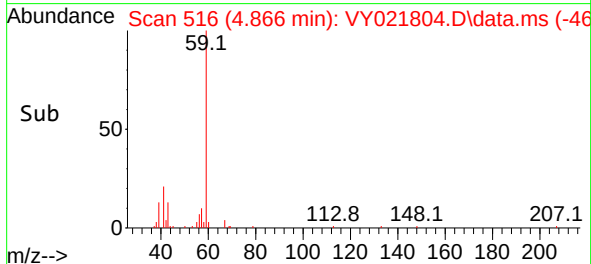
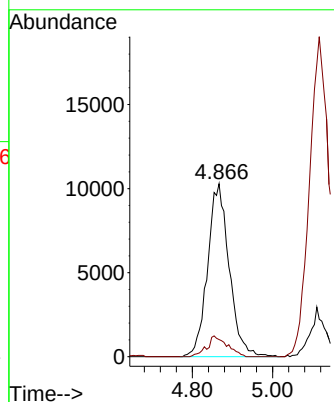
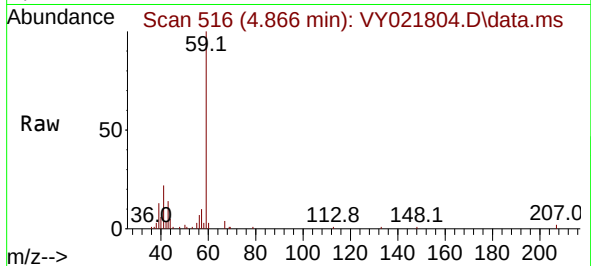




#11
Tert butyl alcohol
Concen: 243.094 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

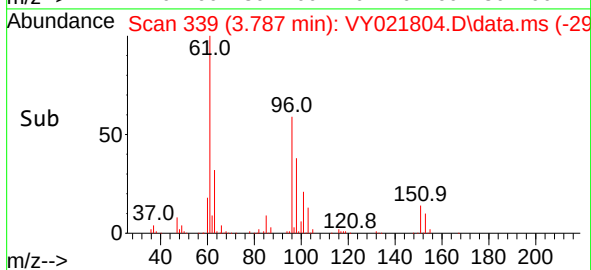
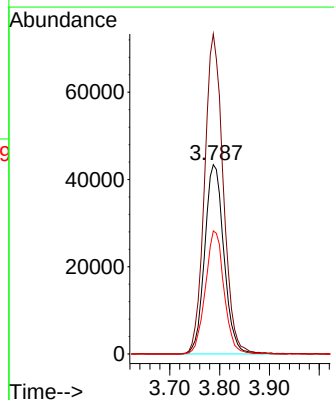
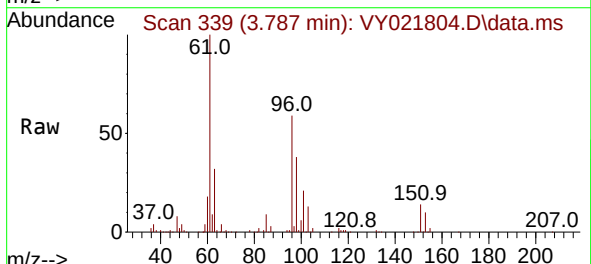
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

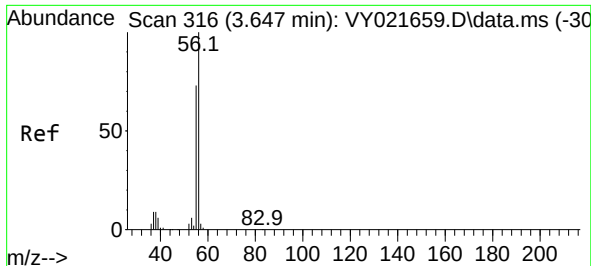
Tgt Ion: 59 Resp: 38412
Ion Ratio Lower Upper
59 100
57 11.3 9.2 13.8



#12
1,1-Dichloroethene
Concen: 49.389 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 96 Resp: 116318
Ion Ratio Lower Upper
96 100
61 169.1 136.6 204.8
98 65.0 52.3 78.5





#13

Acrolein

Concen: 78.732 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

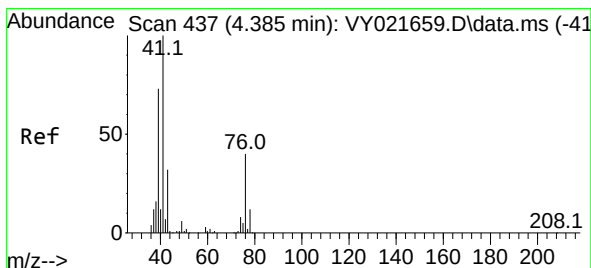
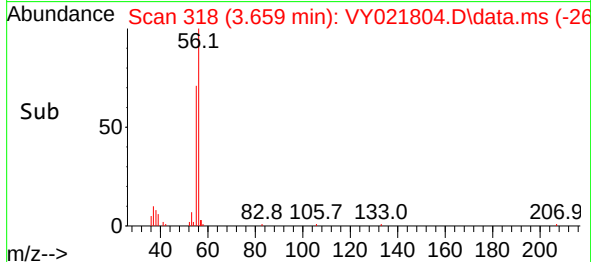
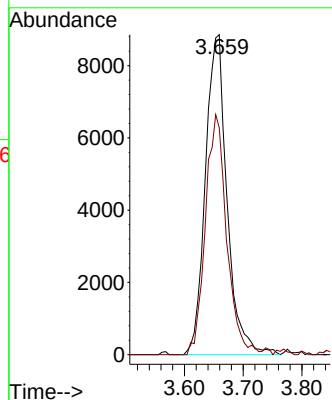
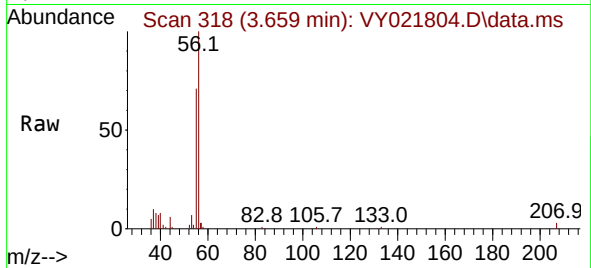
VSTDCCC050EC

Tgt Ion: 56 Resp: 22716

Ion Ratio Lower Upper

56 100

55 73.5 56.6 85.0



#14

Allyl chloride

Concen: 49.061 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

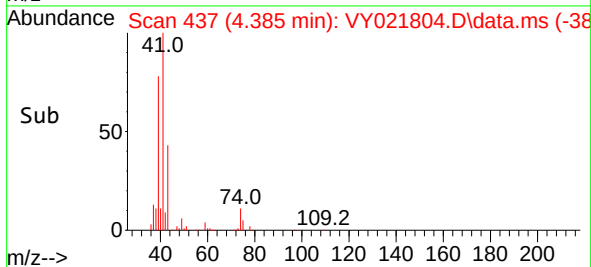
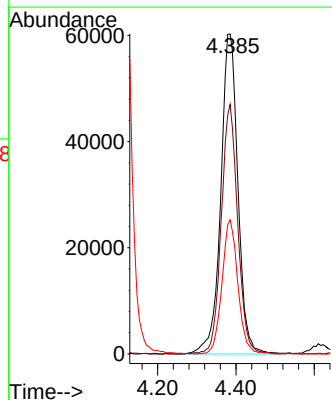
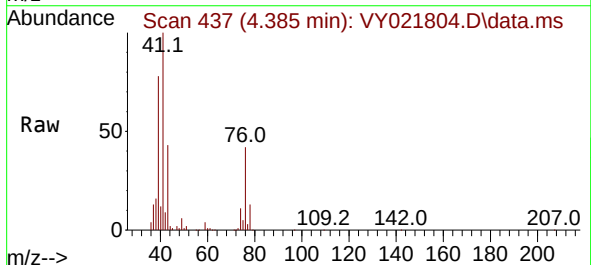
Tgt Ion: 41 Resp: 184227

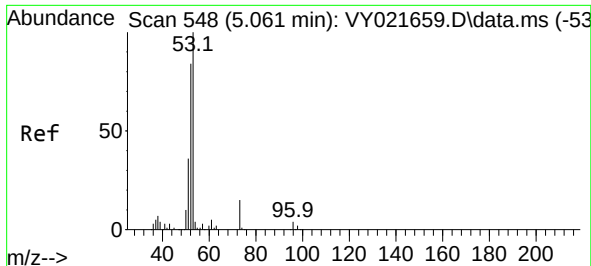
Ion Ratio Lower Upper

41 100

39 74.7 58.6 88.0

76 38.8 30.3 45.5

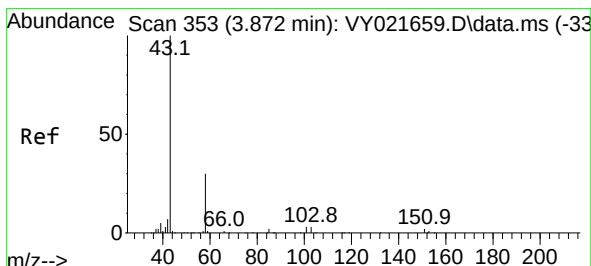
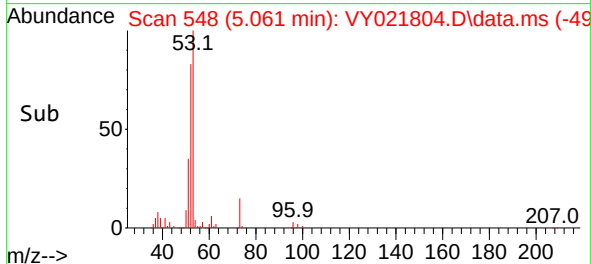
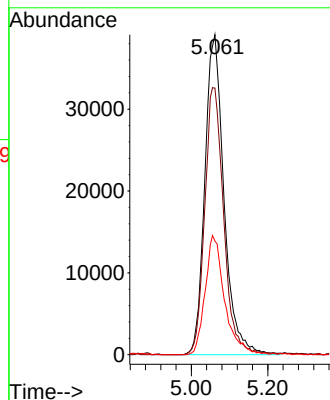
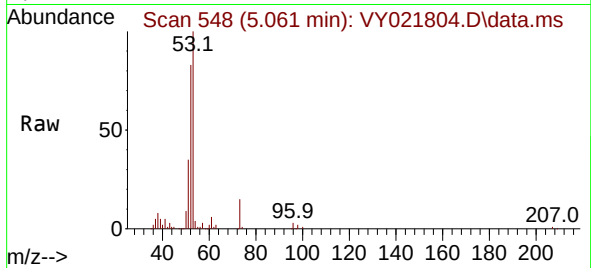




#15
Acrylonitrile
Concen: 253.002 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

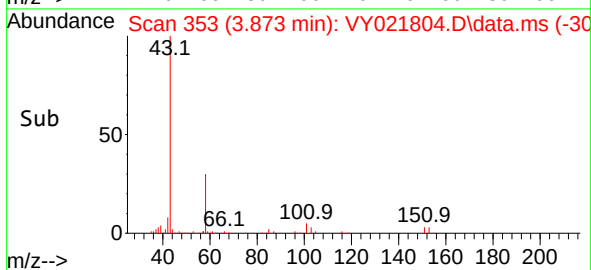
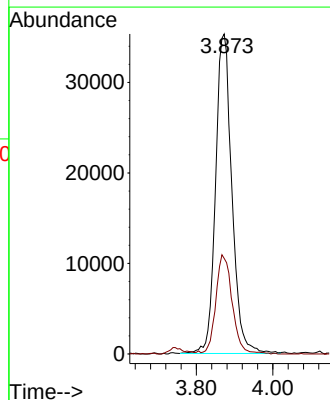
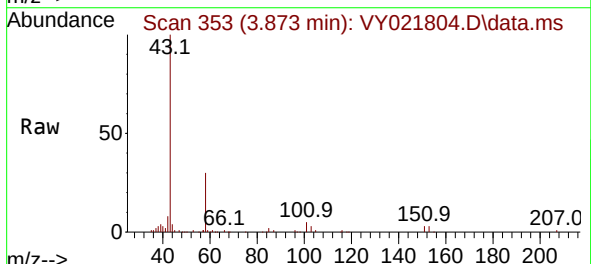
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

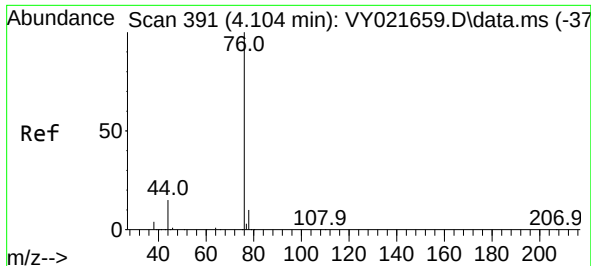
Tgt Ion: 53 Resp: 136191
Ion Ratio Lower Upper
53 100
52 82.7 64.9 97.3
51 37.8 30.2 45.2



#16
Acetone
Concen: 209.922 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 104517
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.4

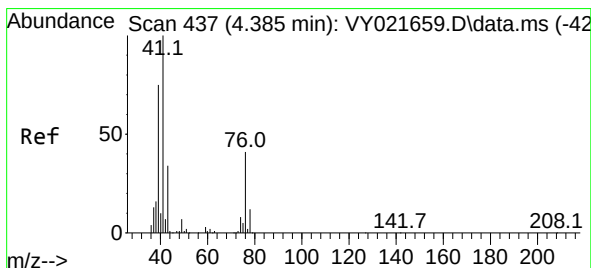
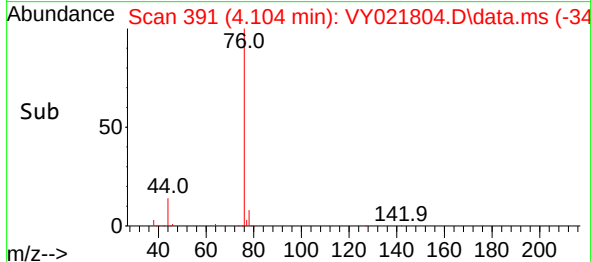
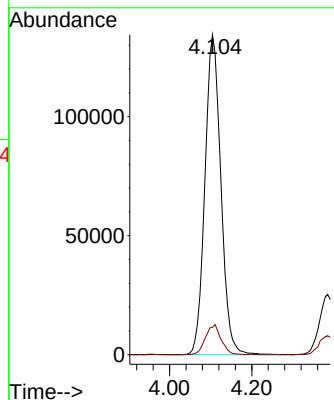
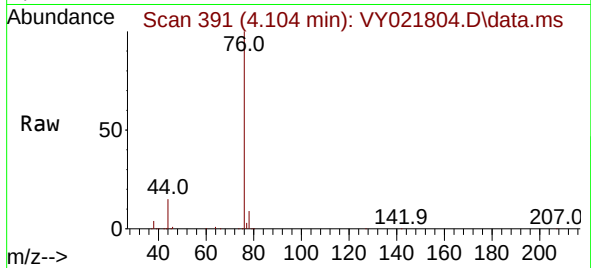




#17
Carbon Disulfide
Concen: 46.691 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

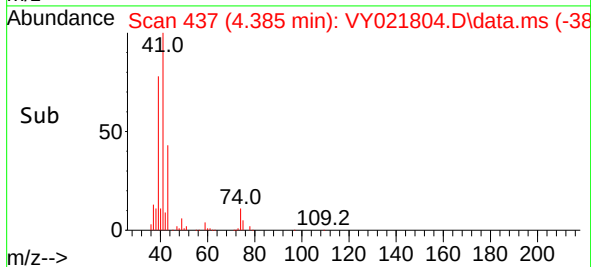
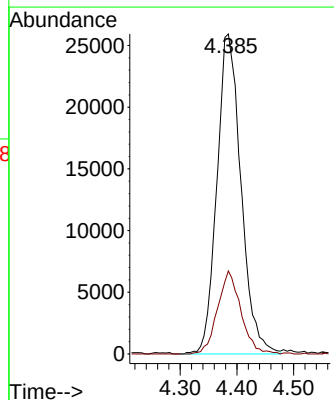
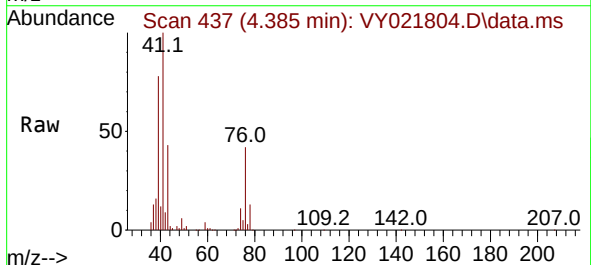
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

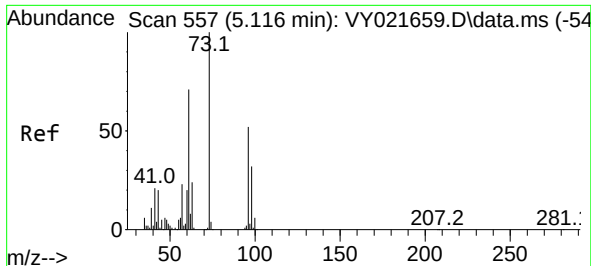
Tgt Ion: 76 Resp: 362183
Ion Ratio Lower Upper
76 100
78 8.5 7.6 11.4



#18
Methyl Acetate
Concen: 61.991 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 76494
Ion Ratio Lower Upper
43 100
74 25.1 19.1 28.7

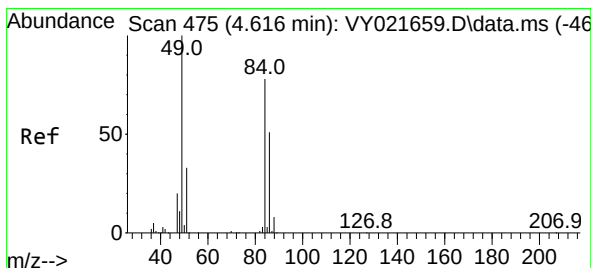
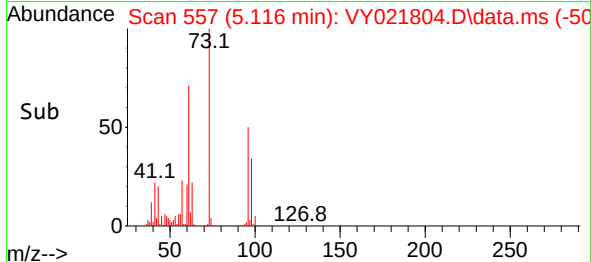
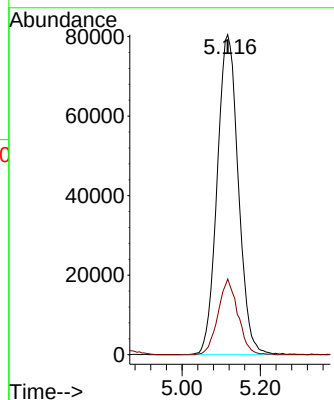
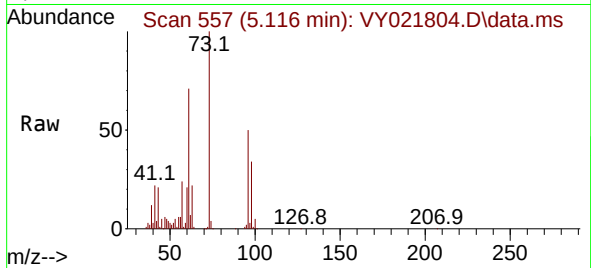




#19
Methyl tert-butyl Ether
Concen: 51.489 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

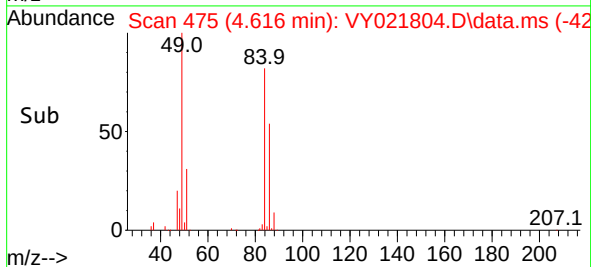
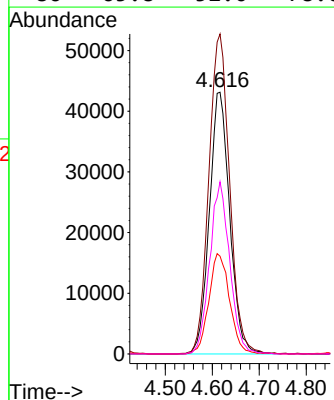
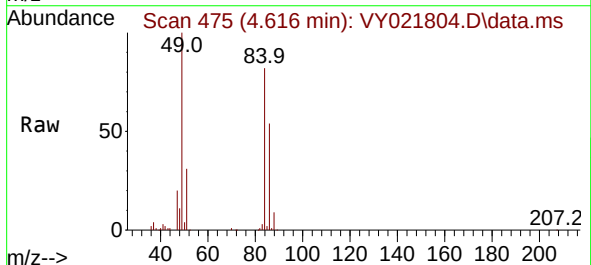
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

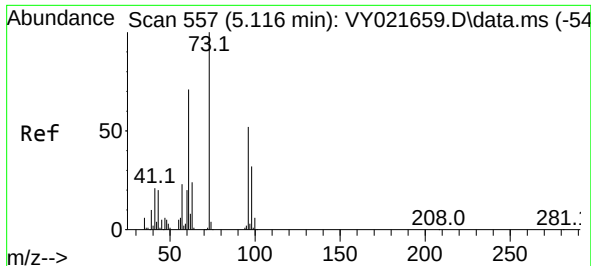
Tgt Ion: 73 Resp: 301905
Ion Ratio Lower Upper
73 100
57 23.7 18.1 27.1



#20
Methylene Chloride
Concen: 53.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 84 Resp: 129704
Ion Ratio Lower Upper
84 100
49 122.1 102.8 154.2
51 37.4 33.5 50.3
86 65.8 52.0 78.0

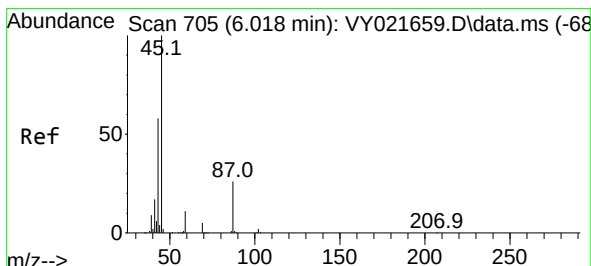
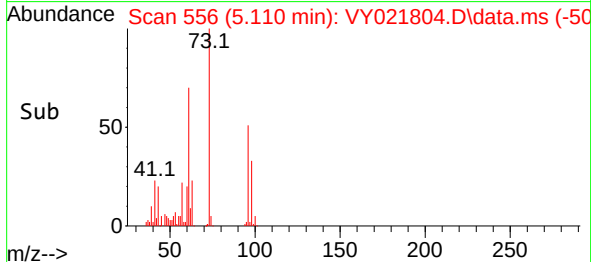
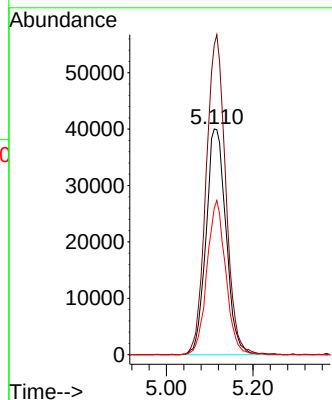
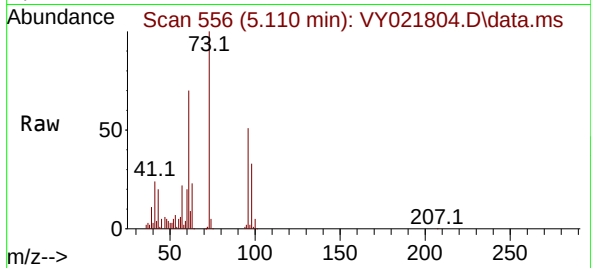




#21
trans-1,2-Dichloroethene
Concen: 49.480 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

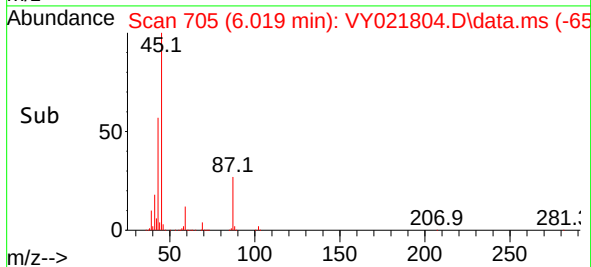
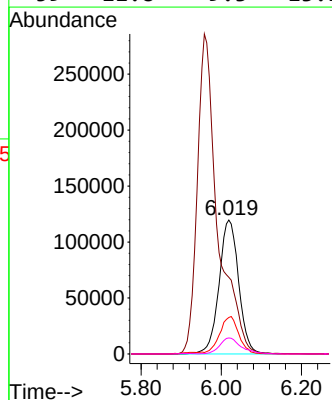
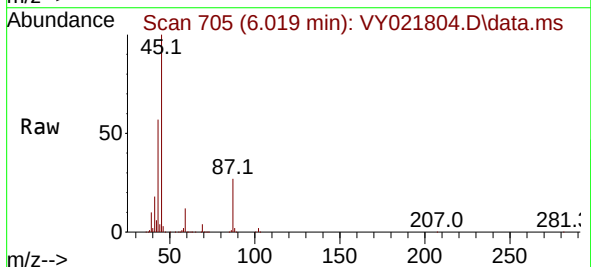
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

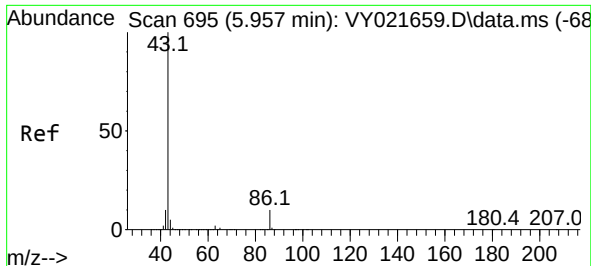
Tgt Ion: 96 Resp: 128306
Ion Ratio Lower Upper
96 100
61 137.3 109.4 164.0
98 64.9 50.2 75.2



#22
Diisopropyl ether
Concen: 51.594 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 45 Resp: 406412
Ion Ratio Lower Upper
45 100
43 56.9 46.6 69.8
87 27.2 20.7 31.1
59 11.8 9.3 13.9

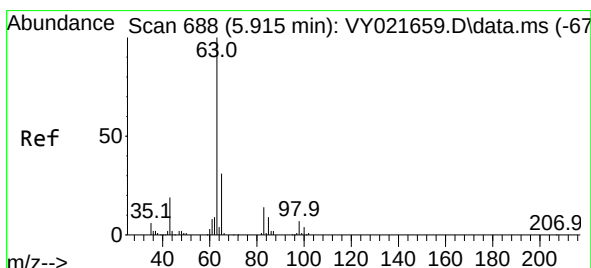
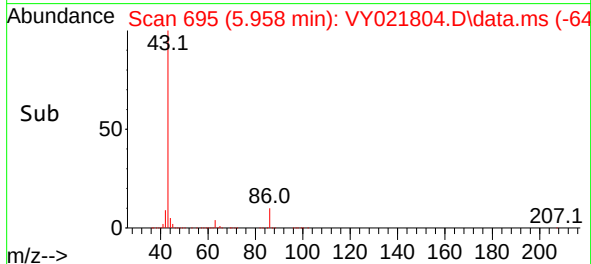
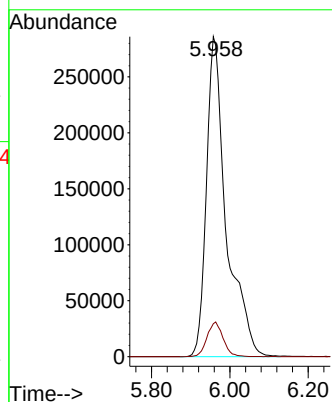
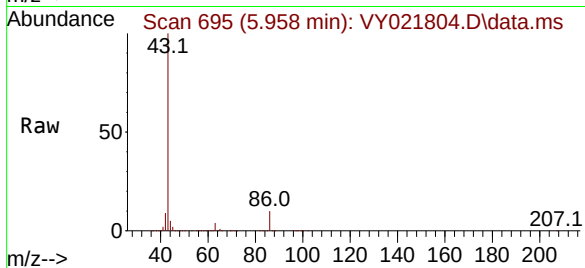




#23
 Vinyl Acetate
 Concen: 218.278 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

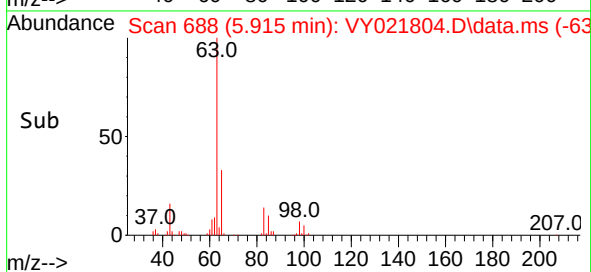
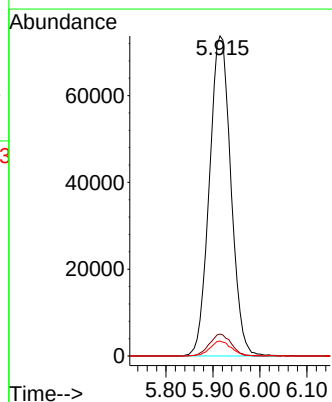
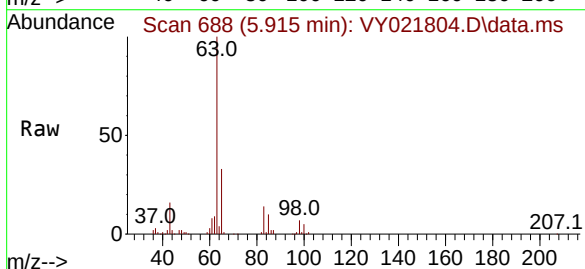
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

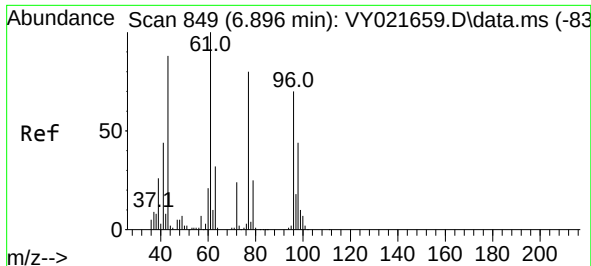
Tgt Ion: 43 Resp: 1005856
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 49.834 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

Tgt Ion: 63 Resp: 234722
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 242.513 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

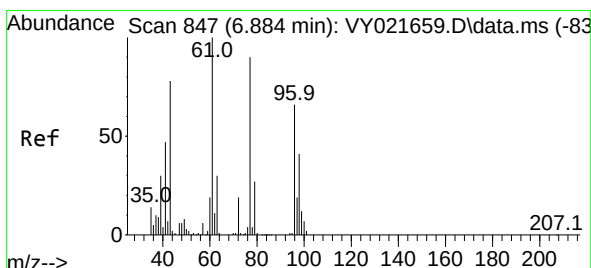
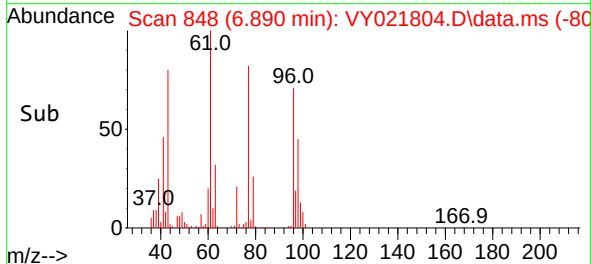
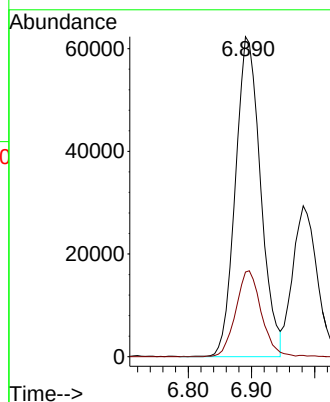
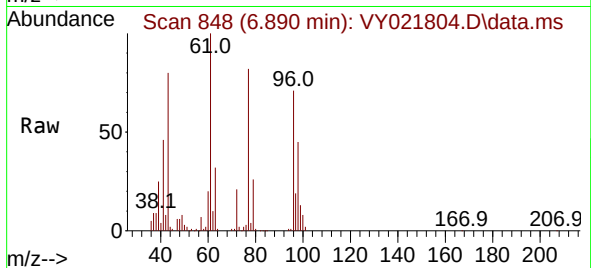
VSTDCCC050EC

Tgt Ion: 43 Resp: 172460

Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.2



#26

2,2-Dichloropropane

Concen: 48.532 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021804.D

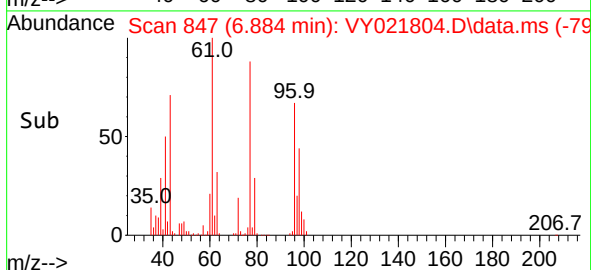
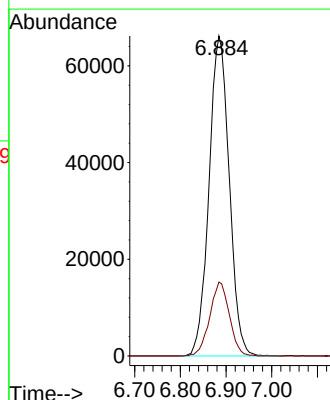
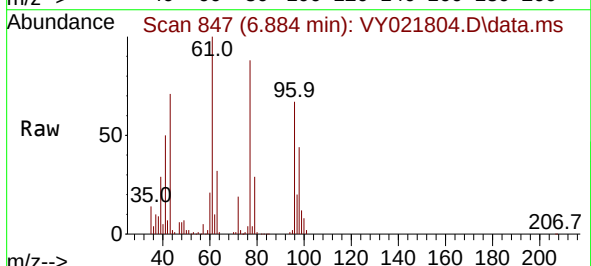
Acq: 07 Apr 2025 17:29

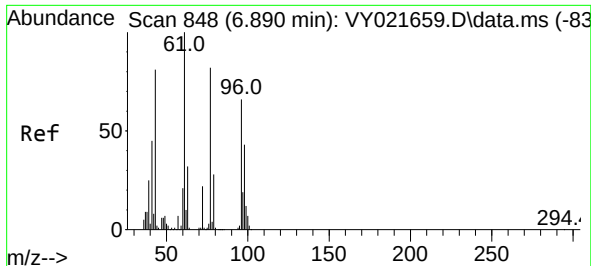
Tgt Ion: 77 Resp: 203337

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1

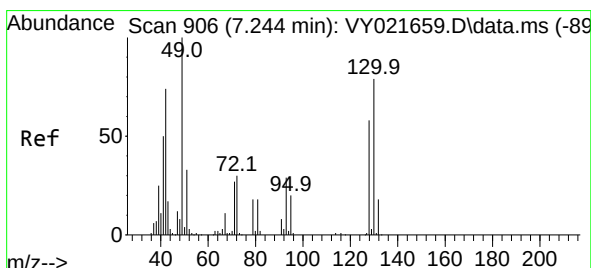
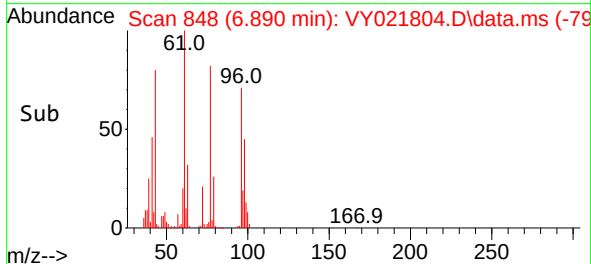
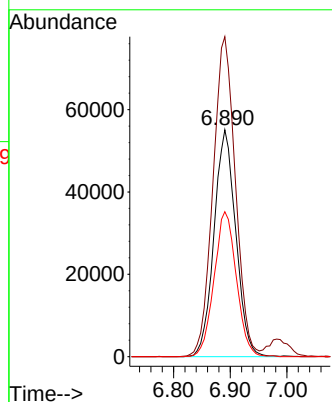
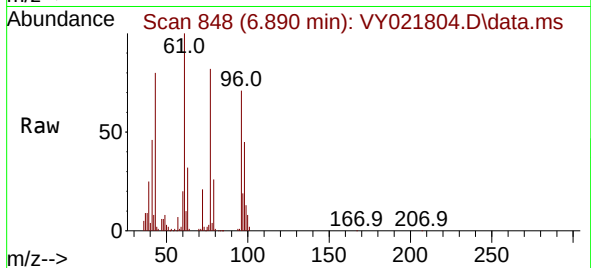




#27
cis-1,2-Dichloroethene
Concen: 50.515 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

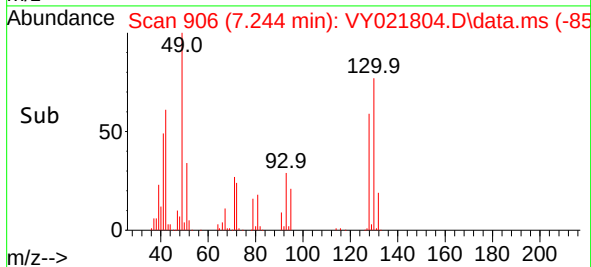
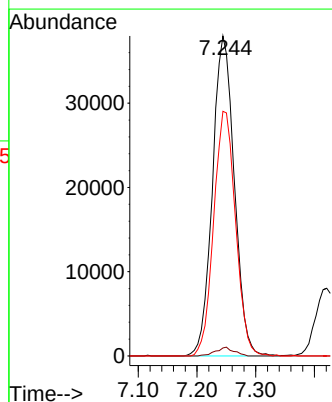
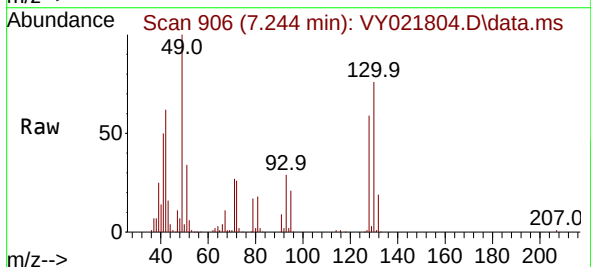
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

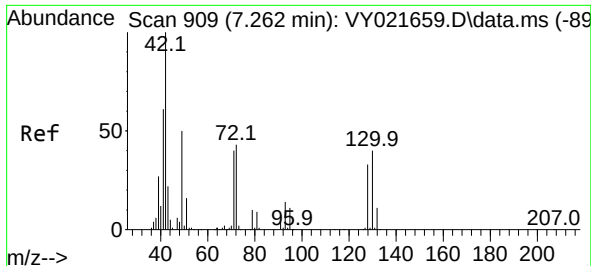
Tgt Ion: 96 Resp: 147307
Ion Ratio Lower Upper
96 100
61 145.1 0.0 296.4
98 65.4 0.0 128.0



#28
Bromochloromethane
Concen: 49.382 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 49 Resp: 98094
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 76.6 60.1 90.1





#29

Tetrahydrofuran

Concen: 258.784 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

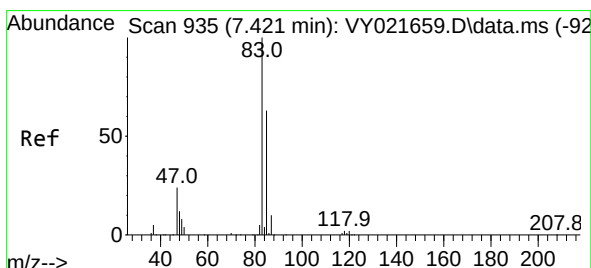
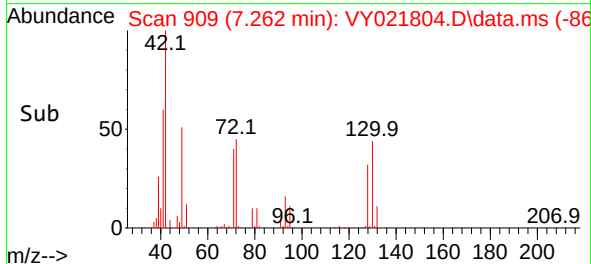
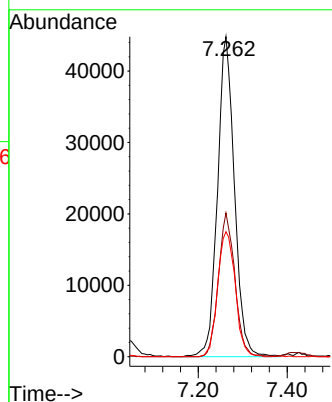
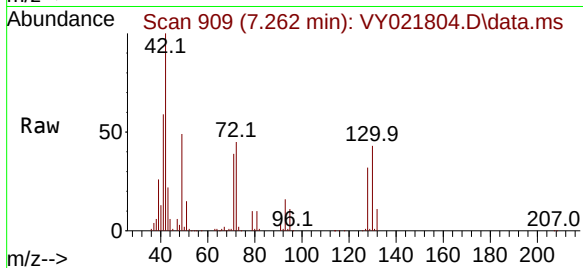
Tgt Ion: 42 Resp: 118440

Ion Ratio Lower Upper

42 100

72 43.6 34.6 52.0

71 40.6 32.5 48.7



#30

Chloroform

Concen: 50.278 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021804.D

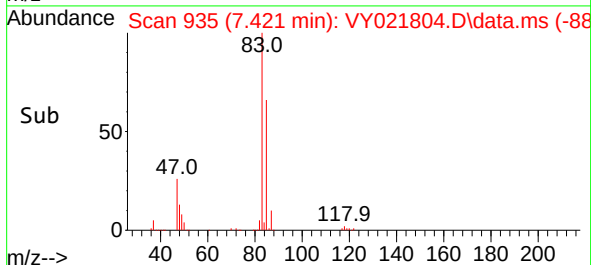
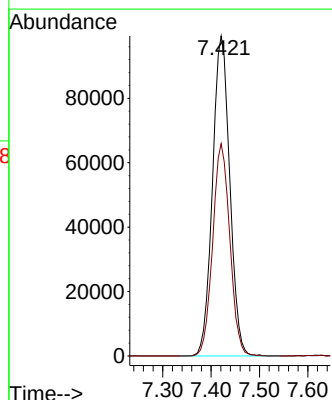
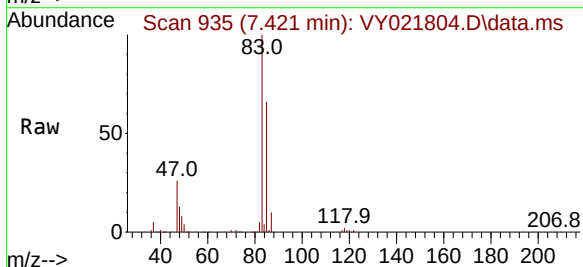
Acq: 07 Apr 2025 17:29

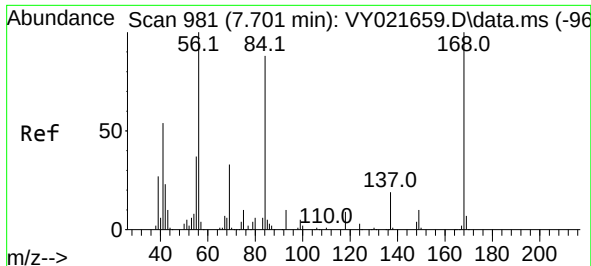
Tgt Ion: 83 Resp: 246310

Ion Ratio Lower Upper

83 100

85 66.4 50.6 75.8

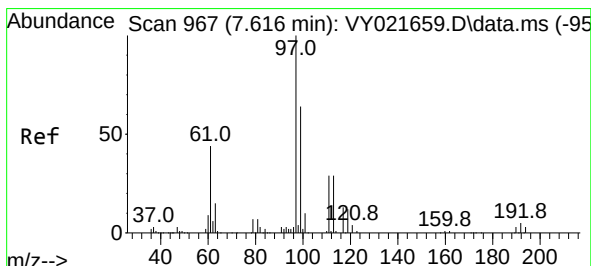
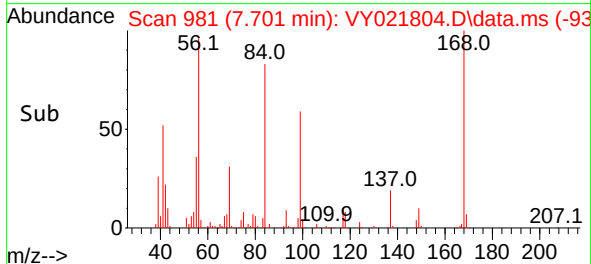
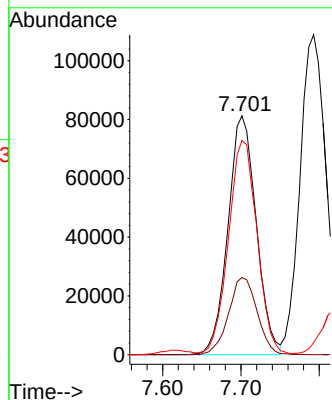
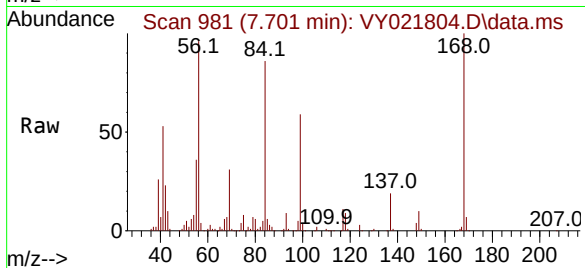




#31
Cyclohexane
Concen: 47.519 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

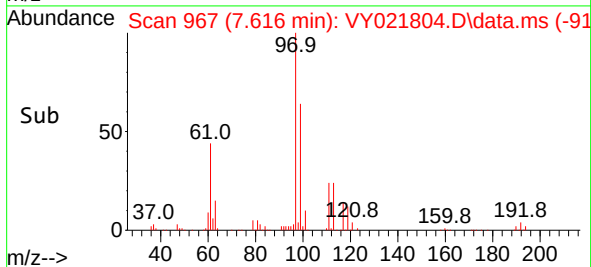
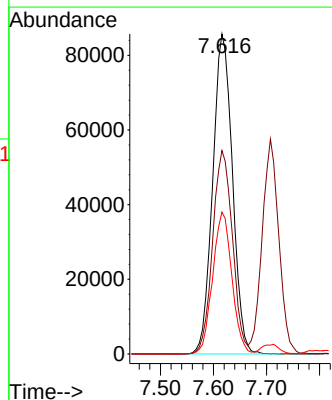
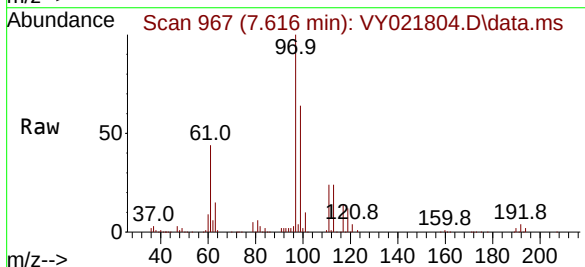
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

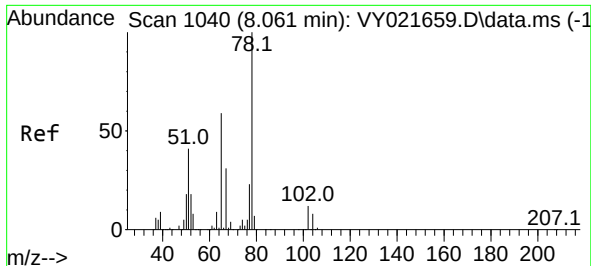
Tgt Ion: 56 Resp: 204030
Ion Ratio Lower Upper
56 100
69 32.3 26.6 40.0
84 87.9 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 49.982 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 97 Resp: 221309
Ion Ratio Lower Upper
97 100
99 63.9 50.7 76.1
61 43.2 35.2 52.8

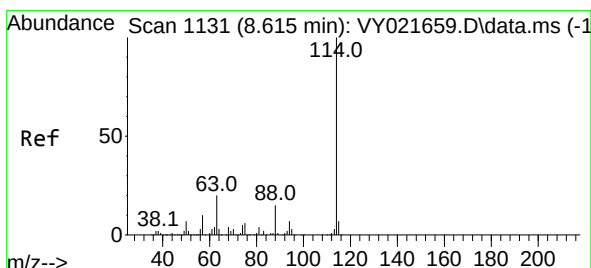
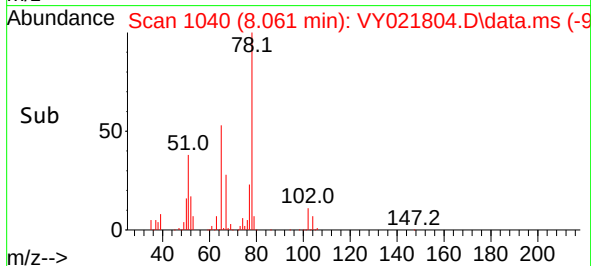
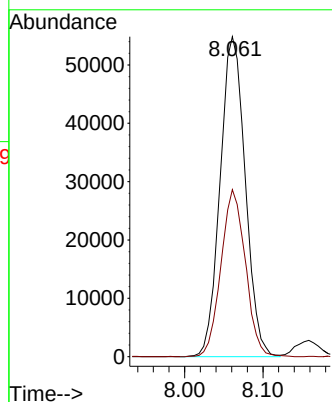
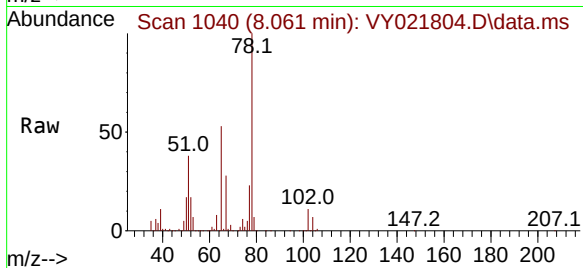




#33
1,2-Dichloroethane-d4
Concen: 50.315 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

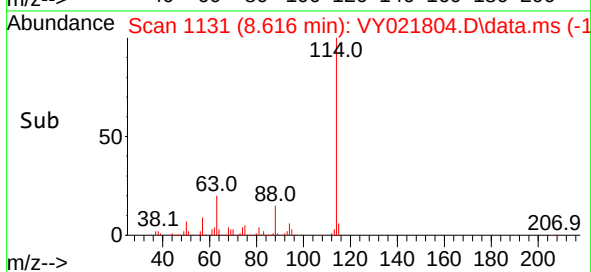
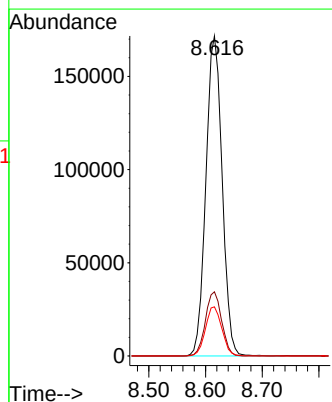
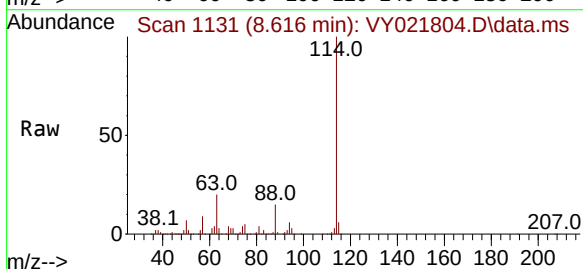
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

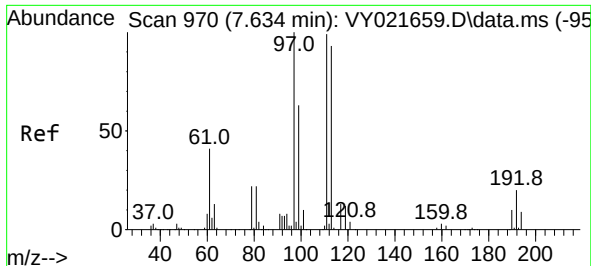
Tgt Ion: 65 Resp: 122404
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 114 Resp: 341352
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.3 0.0 29.8

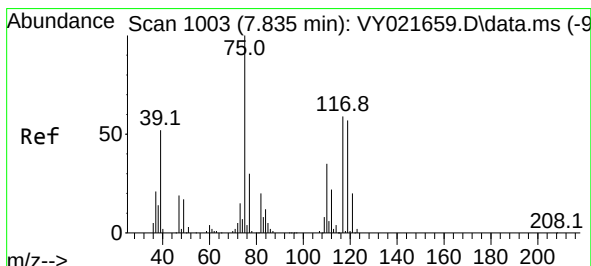
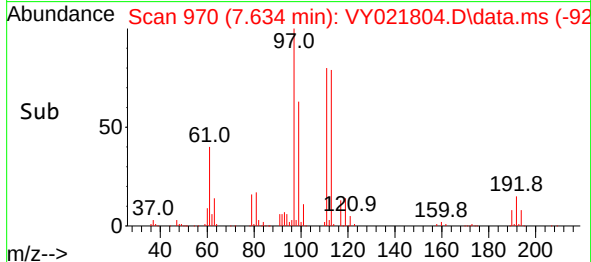
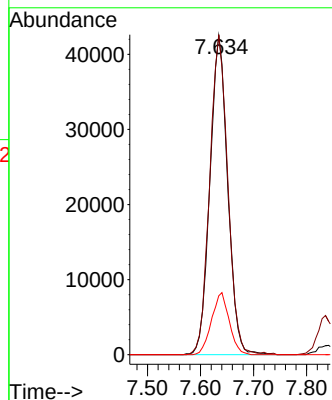
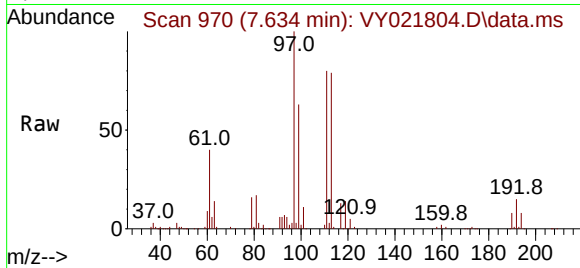




#35
Dibromofluoromethane
Concen: 44.664 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

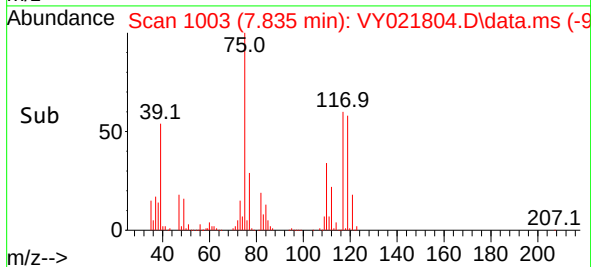
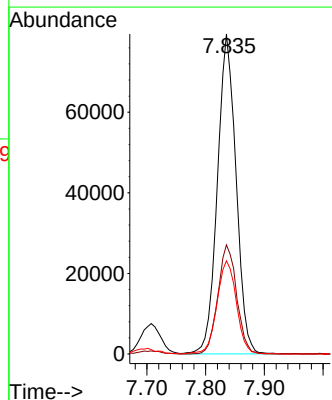
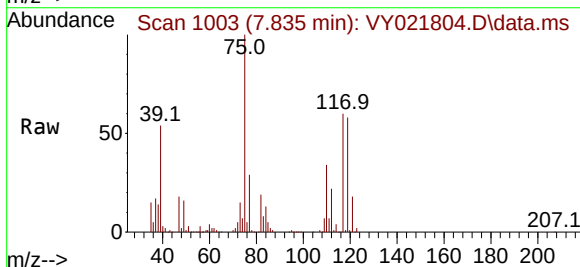
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

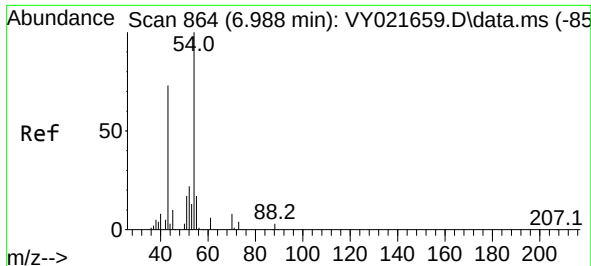
Tgt Ion:113 Resp: 98899
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 51.820 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 174776
Ion Ratio Lower Upper
75 100
110 34.4 17.0 50.9
77 30.5 24.8 37.2





#37

Ethyl Acetate

Concen: 50.589 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

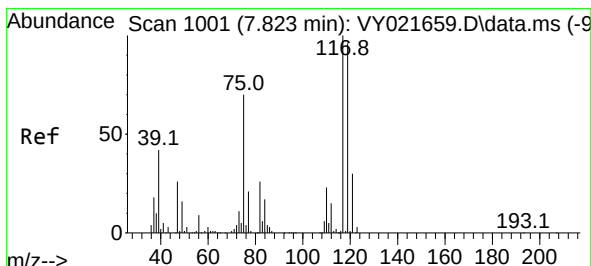
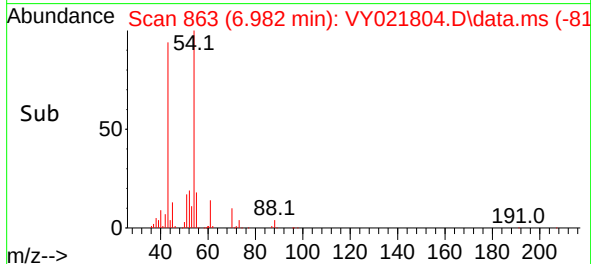
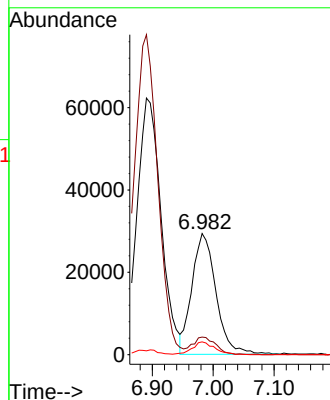
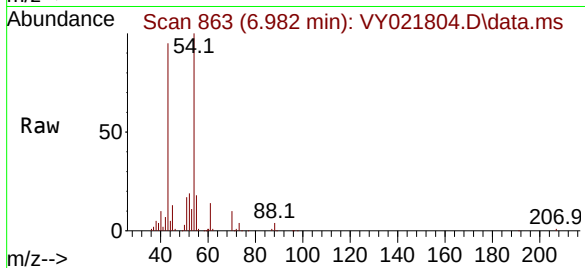
Tgt Ion: 43 Resp: 80524

Ion Ratio Lower Upper

43 100

61 14.4 11.0 16.6

70 9.9 8.1 12.1



#38

Carbon Tetrachloride

Concen: 52.071 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

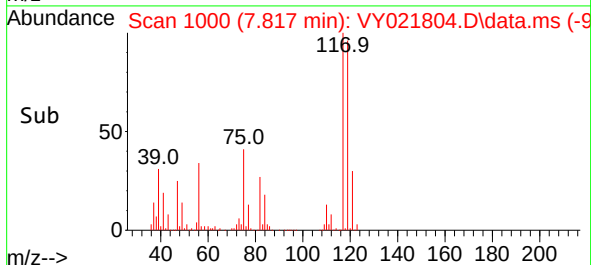
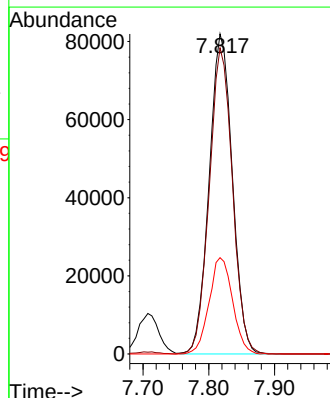
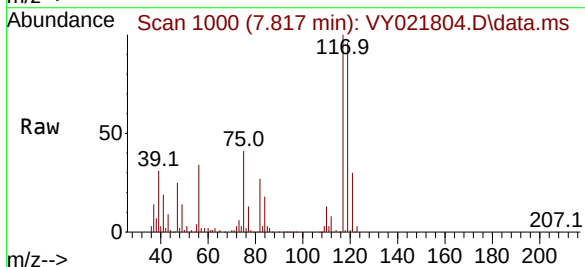
Tgt Ion: 117 Resp: 201147

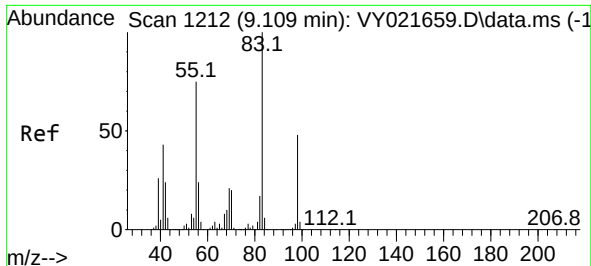
Ion Ratio Lower Upper

117 100

119 95.6 76.2 114.4

121 30.1 24.2 36.4

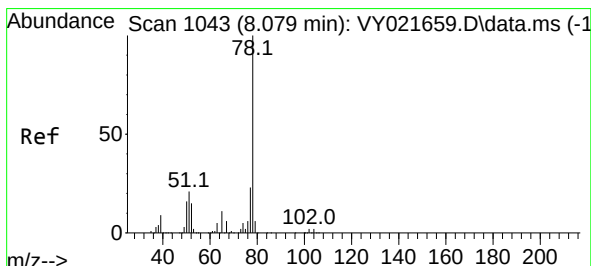
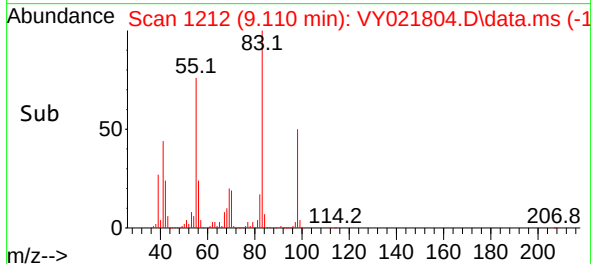
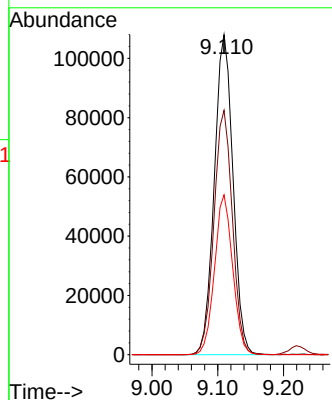
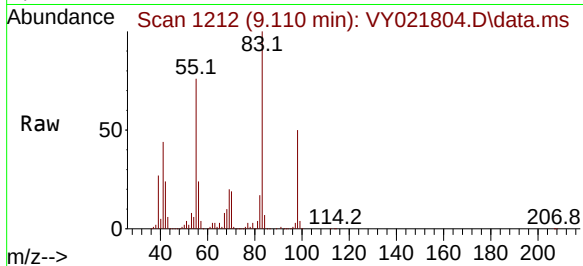




#39
Methylcyclohexane
Concen: 53.002 ug/l
RT: 9.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

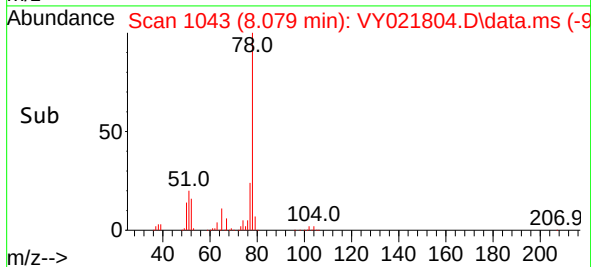
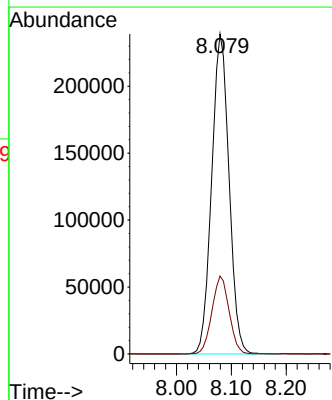
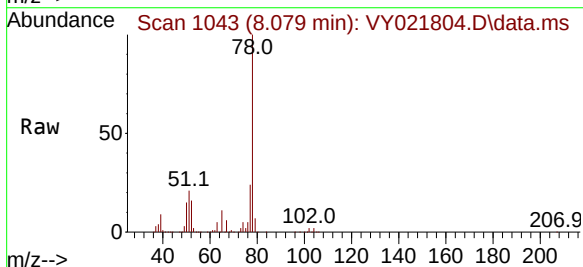
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

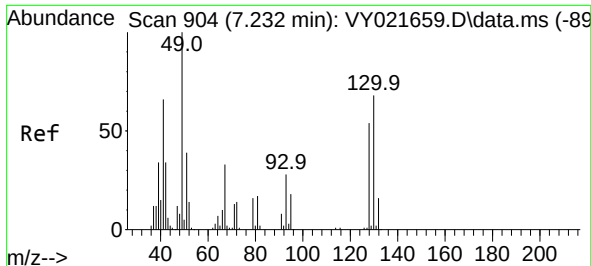
Tgt Ion: 83 Resp: 213550
Ion Ratio Lower Upper
83 100
55 76.3 59.7 89.5
98 50.0 38.3 57.5



#40
Benzene
Concen: 51.889 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 78 Resp: 524100
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2

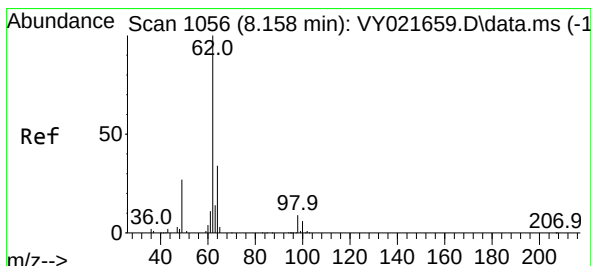
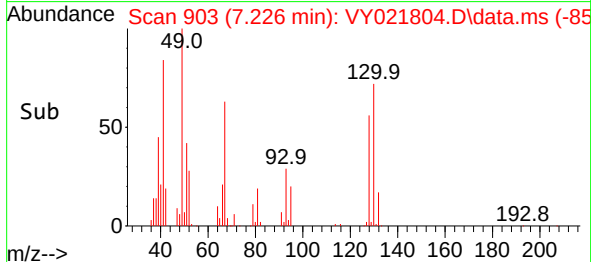
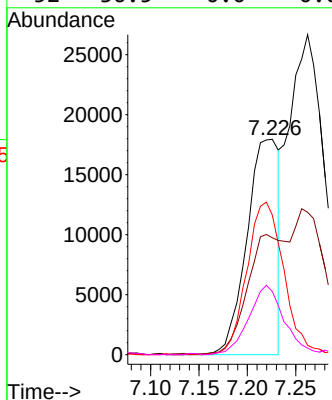
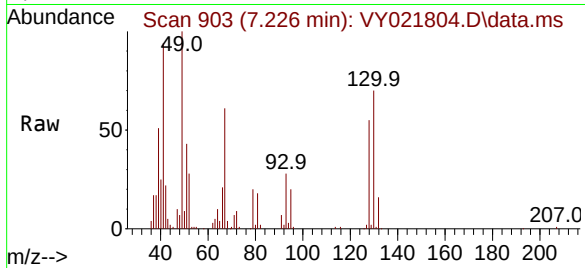




#41
Methacrylonitrile
Concen: 48.707 ug/l
RT: 7.226 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

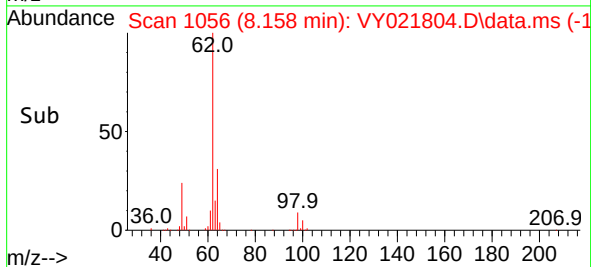
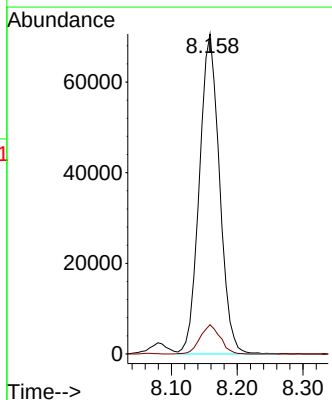
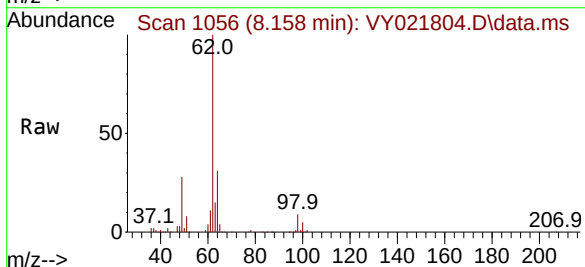
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

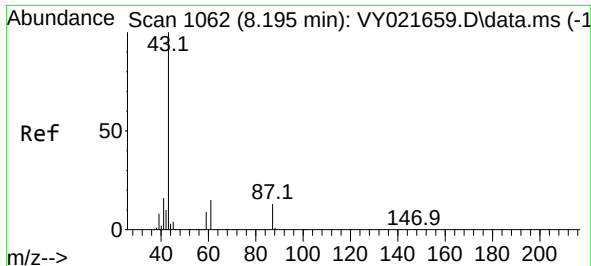
Tgt Ion:	41	Resp:	41173
Ion	Ratio	Lower	Upper
41	100		
39	63.5	0.0	0.0#
67	82.3	0.0	0.0#
52	36.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 52.720 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:	62	Resp:	150119
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4

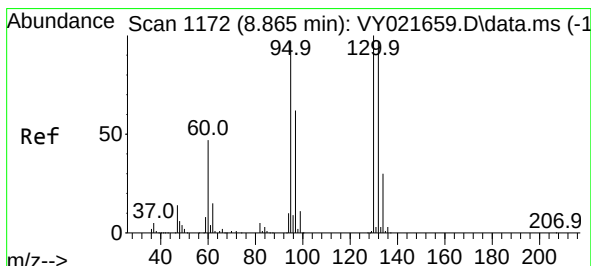
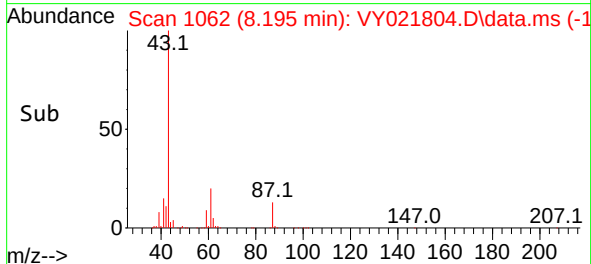
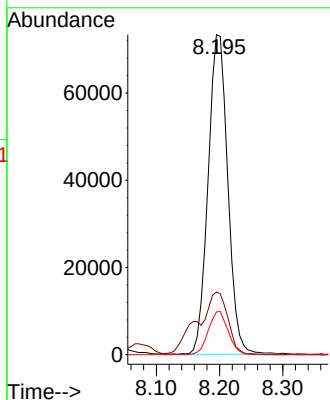
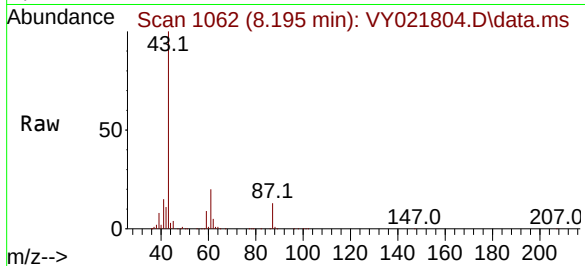




#43
Isopropyl Acetate
Concen: 52.690 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

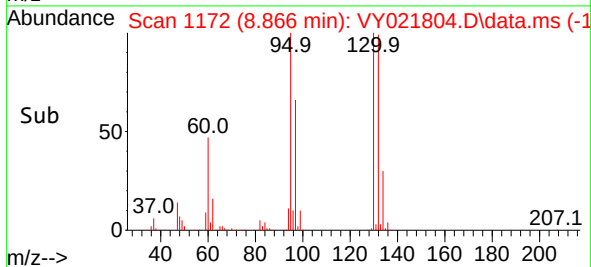
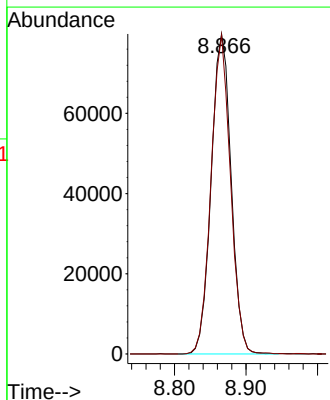
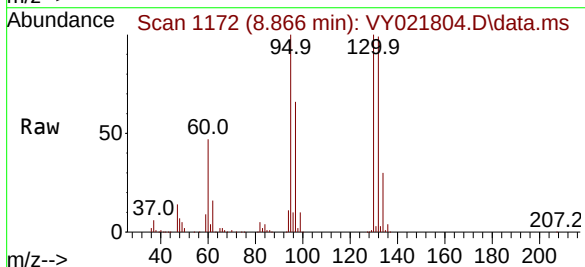
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

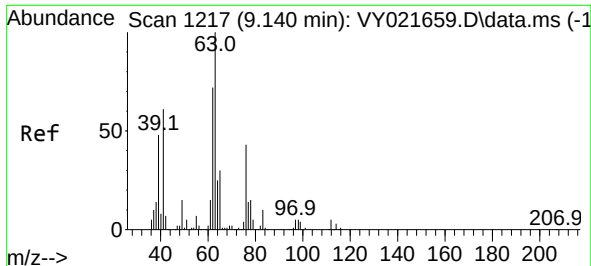
Tgt Ion: 43 Resp: 158937
Ion Ratio Lower Upper
43 100
61 20.7 15.9 23.9
87 13.6 10.4 15.6



#44
Trichloroethene
Concen: 59.815 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 130 Resp: 153934
Ion Ratio Lower Upper
130 100
95 99.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 52.726 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

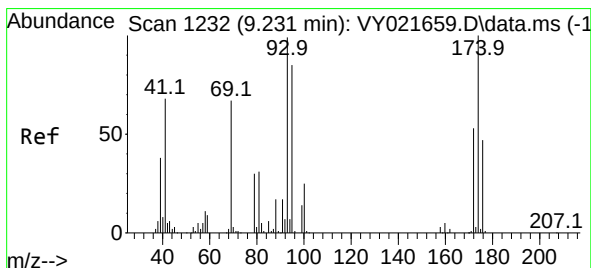
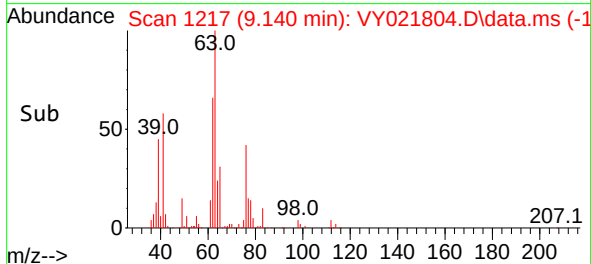
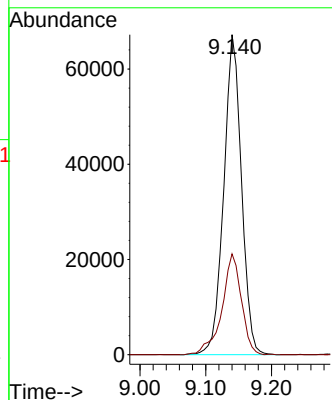
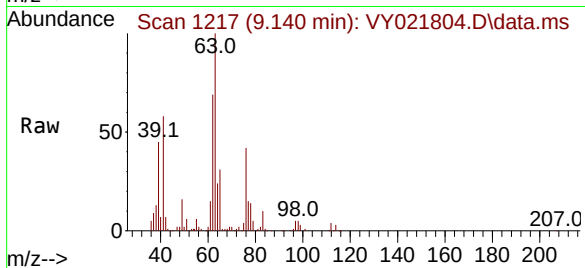
VSTDCCC050EC

Tgt Ion: 63 Resp: 126060

Ion Ratio Lower Upper

63 100

65 31.5 24.4 36.6



#46

Dibromomethane

Concen: 52.805 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

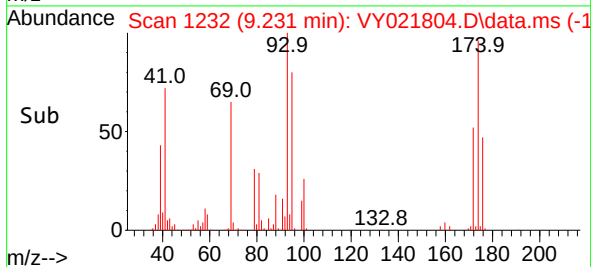
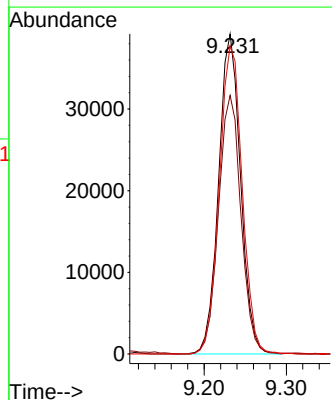
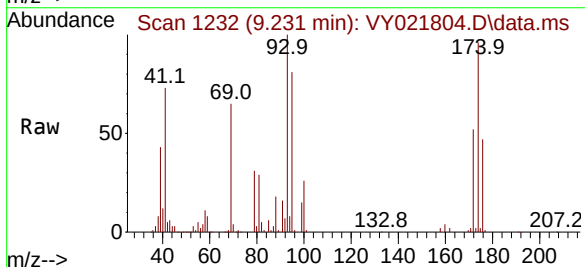
Tgt Ion: 93 Resp: 72759

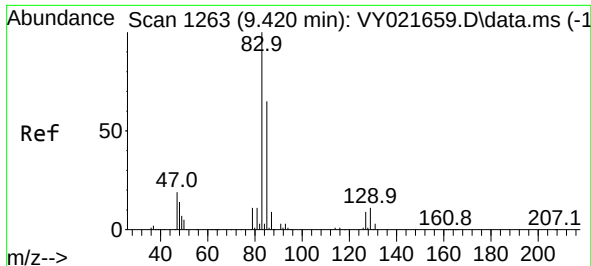
Ion Ratio Lower Upper

93 100

95 83.1 68.1 102.1

174 100.0 80.9 121.3

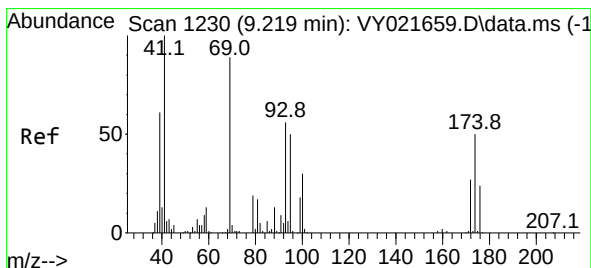
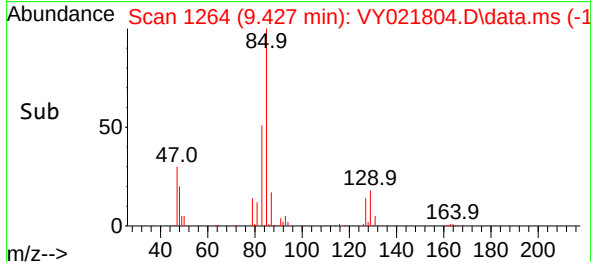
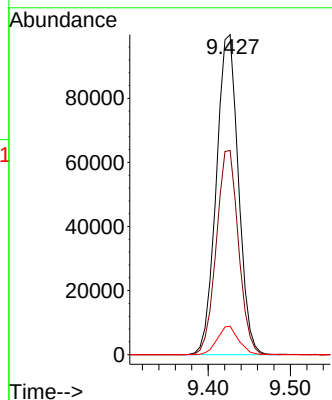
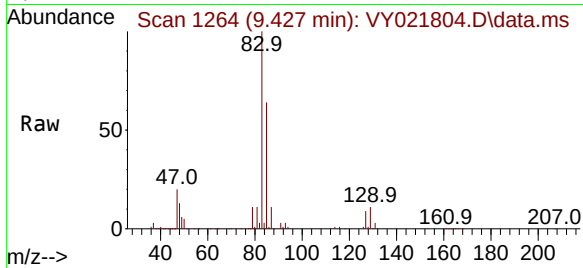




#47
 Bromodichloromethane
 Concen: 52.215 ug/l
 RT: 9.427 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

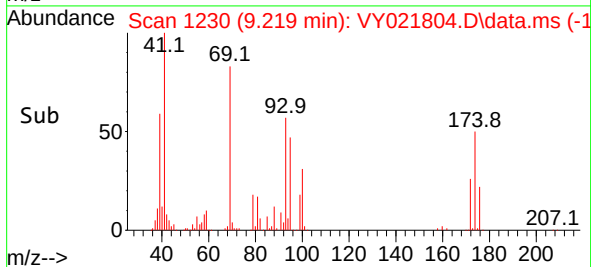
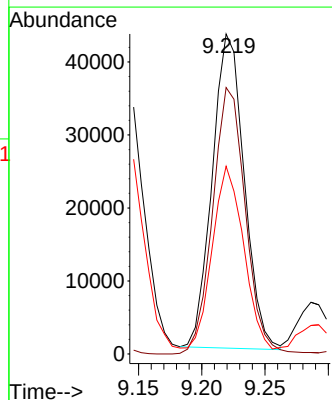
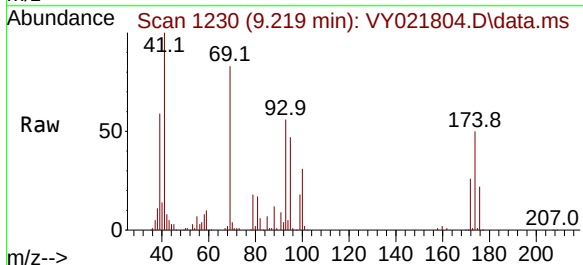
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

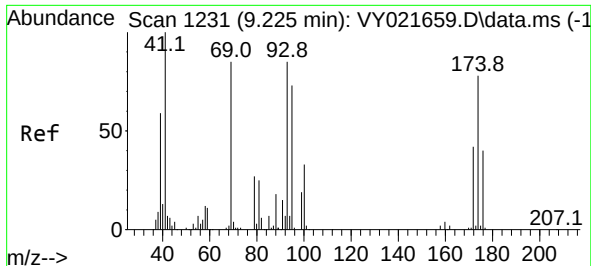
Tgt Ion: 83 Resp: 186427
 Ion Ratio Lower Upper
 83 100
 85 63.8 51.8 77.6
 127 8.9 6.8 10.2



#48
 Methyl methacrylate
 Concen: 54.600 ug/l
 RT: 9.219 min Scan# 1230
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

Tgt Ion: 41 Resp: 75589
 Ion Ratio Lower Upper
 41 100
 69 87.0 69.8 104.8
 39 56.9 47.2 70.8

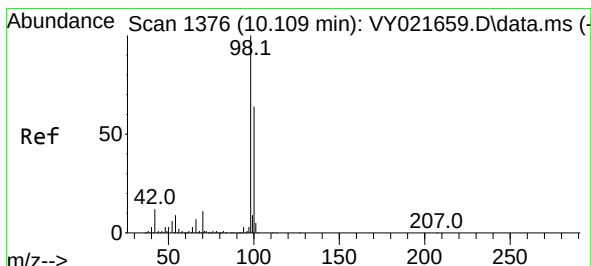
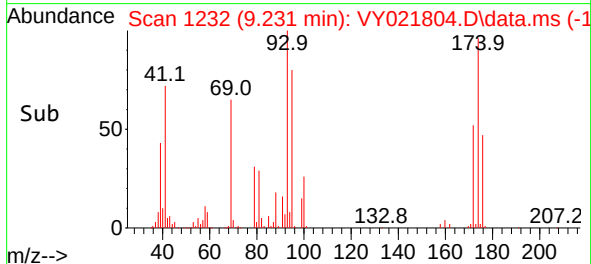
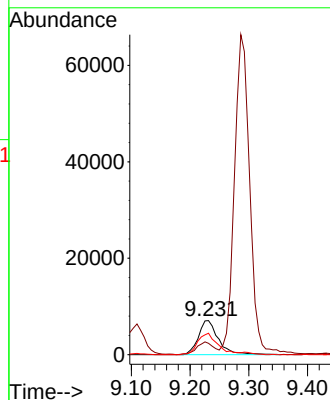
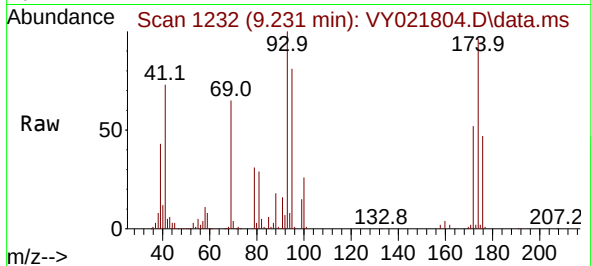




#49
1,4-Dioxane
Concen: 1137.947 ug/l
RT: 9.231 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

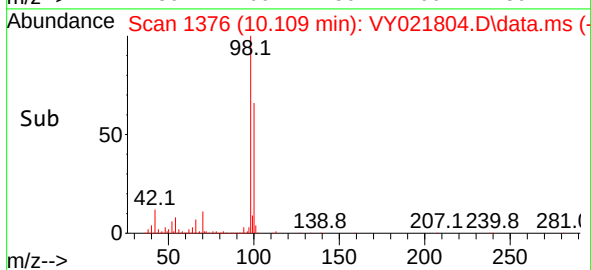
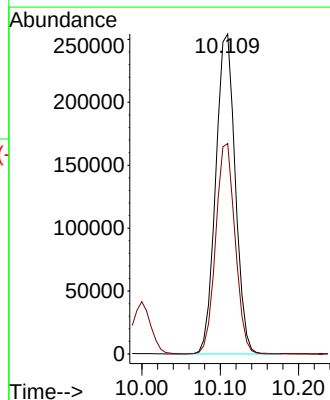
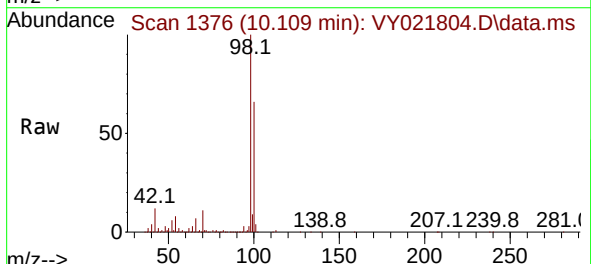
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

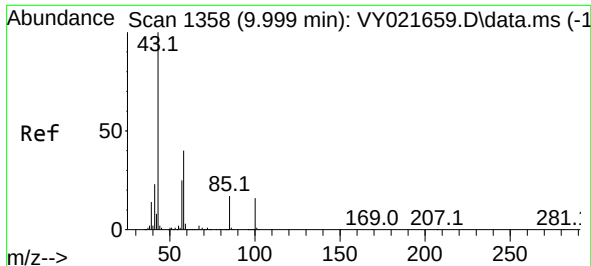
Tgt Ion: 88 Resp: 16797
Ion Ratio Lower Upper
88 100
43 32.2 28.8 43.2
58 62.9 59.4 89.2



#50
Toluene-d8
Concen: 52.311 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 98 Resp: 440661
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 278.979 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

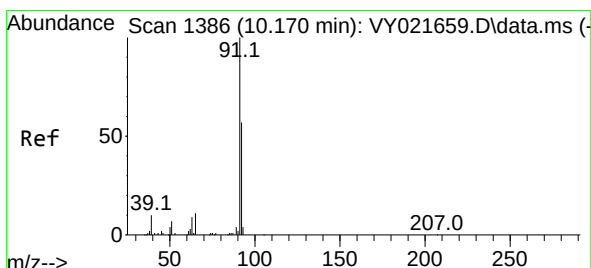
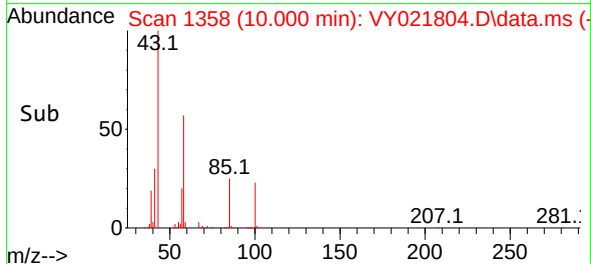
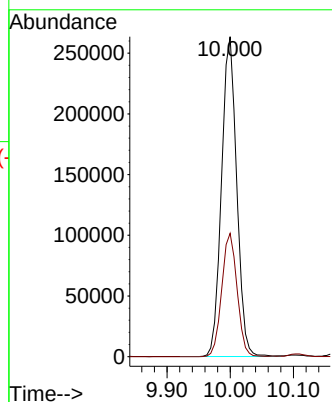
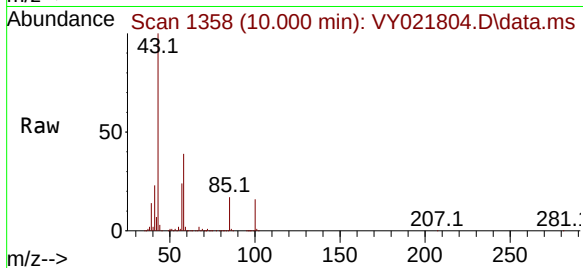
VSTDCCC050EC

Tgt Ion: 43 Resp: 437927

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3



#52

Toluene

Concen: 53.500 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021804.D

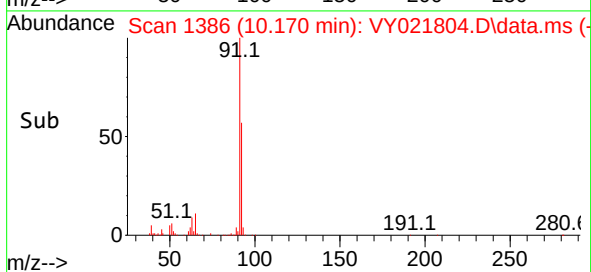
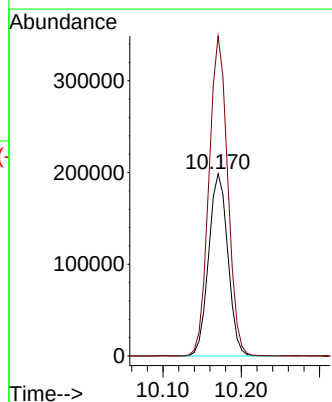
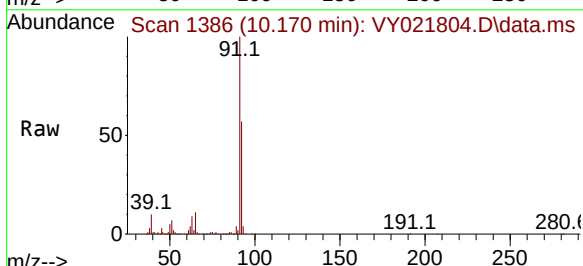
Acq: 07 Apr 2025 17:29

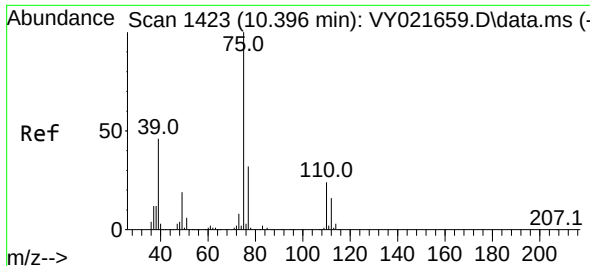
Tgt Ion: 92 Resp: 337143

Ion Ratio Lower Upper

92 100

91 172.3 138.6 207.8

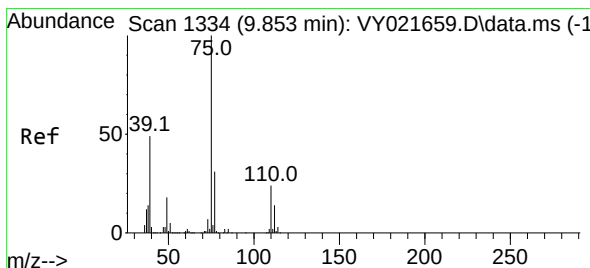
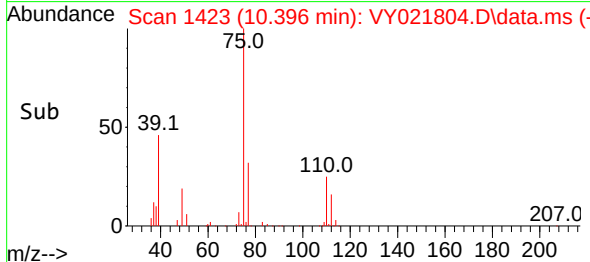
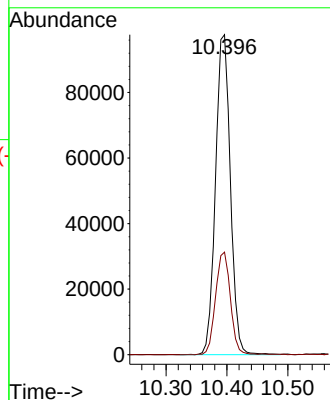
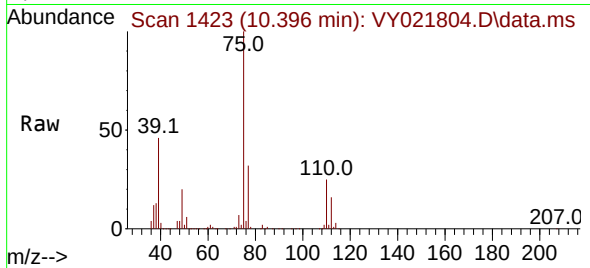




#53
t-1,3-Dichloropropene
Concen: 52.154 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

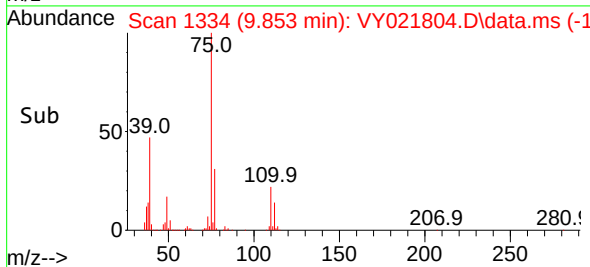
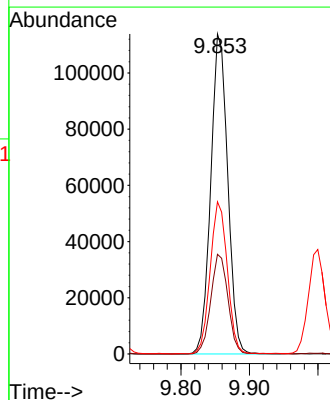
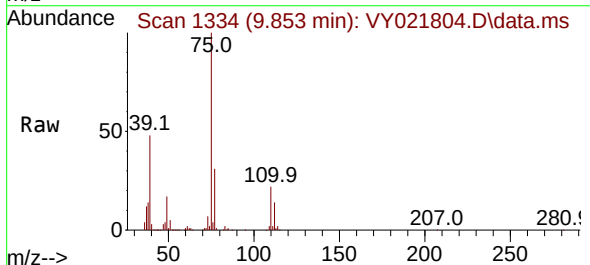
Instrument : MSVOA_Y
ClientSampleId : VSTDCCC050EC

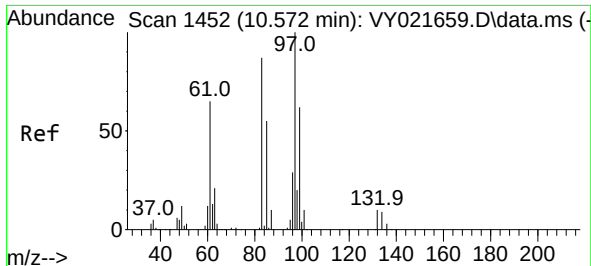
Tgt Ion: 75 Resp: 165396
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 52.346 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 195840
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 47.5 39.2 58.8

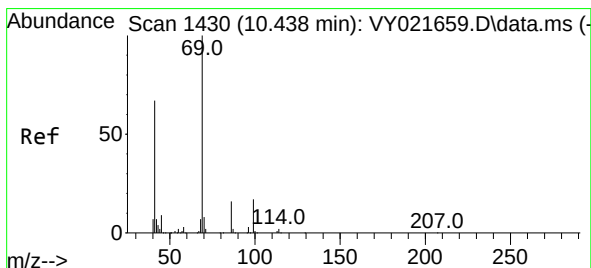
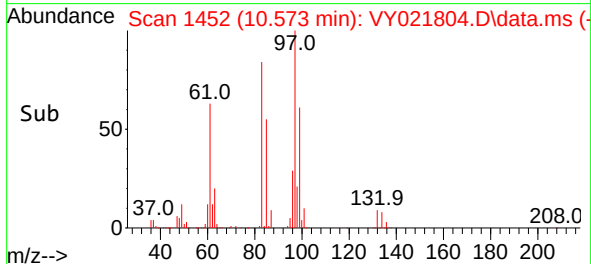
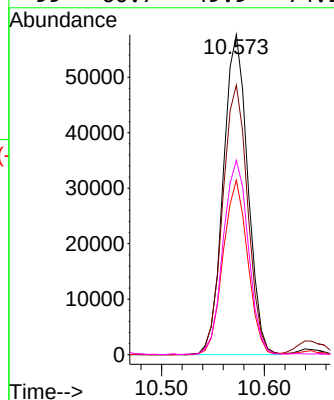
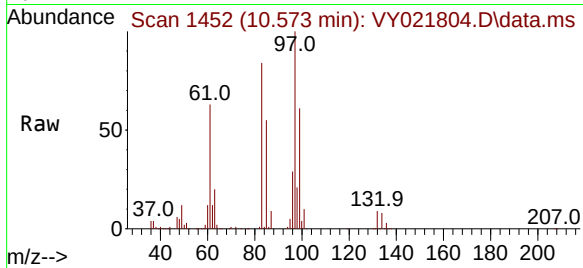




#55
1,1,2-Trichloroethane
Concen: 53.949 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

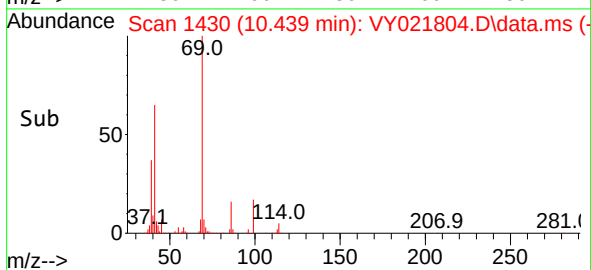
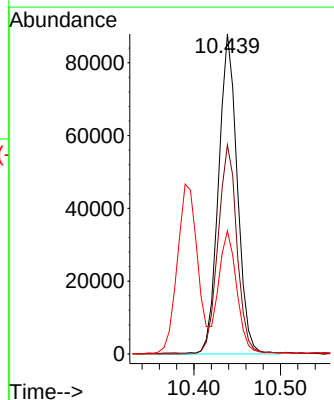
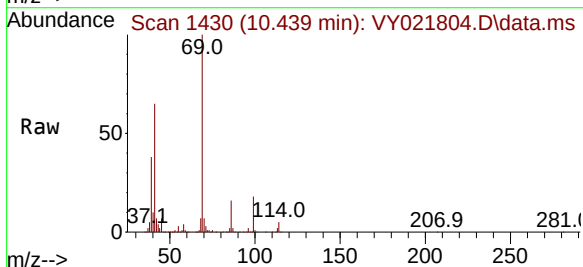
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

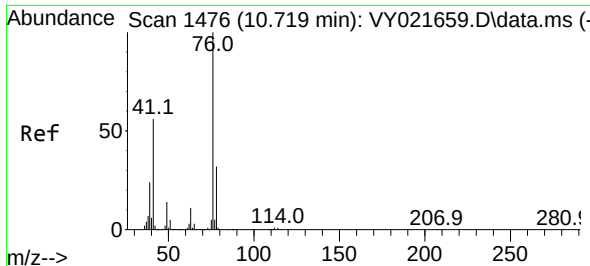
Tgt Ion:	97	Resp:	95662
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.5	104.3
85	54.6	43.9	65.9
99	60.7	49.9	74.9



#56
Ethyl methacrylate
Concen: 58.234 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:	69	Resp:	131852
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.8	80.6
39	38.4	29.6	44.4





#57

1,3-Dichloropropane

Concen: 54.234 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

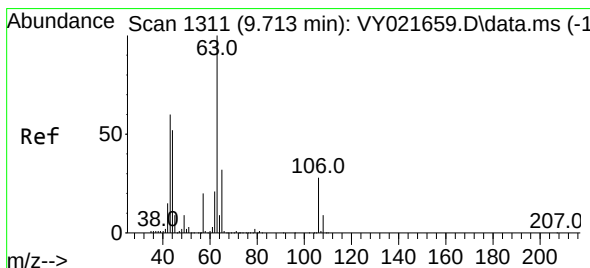
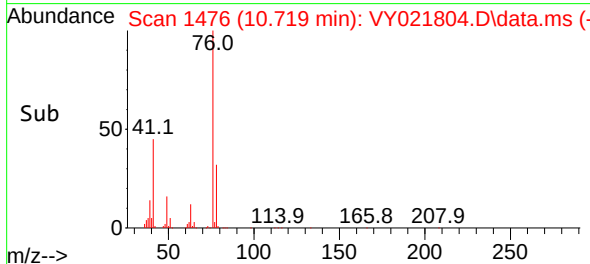
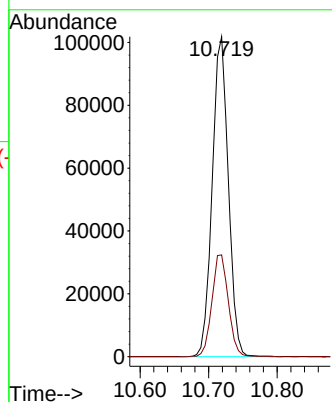
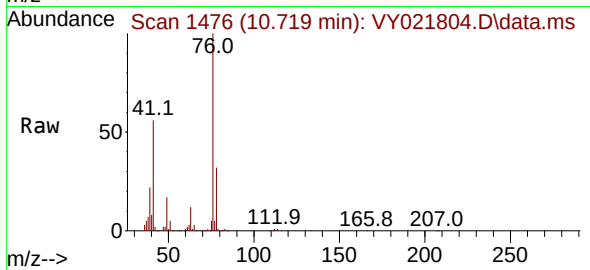
VSTDCCC050EC

Tgt Ion: 76 Resp: 166086

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 294.697 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021804.D

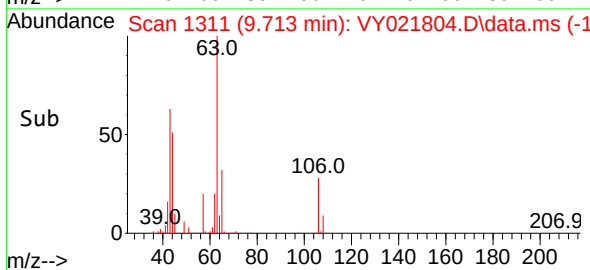
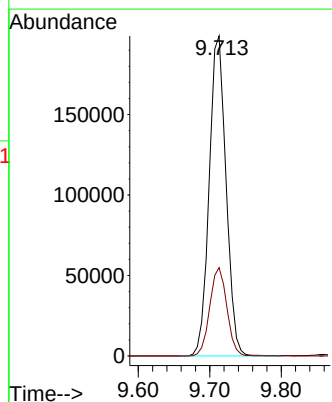
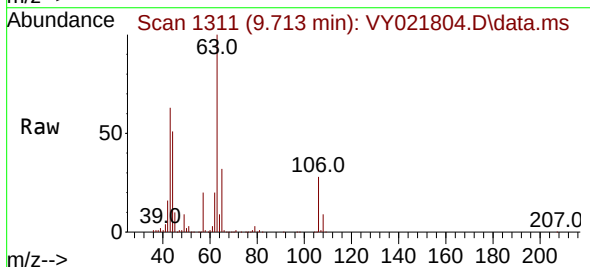
Acq: 07 Apr 2025 17:29

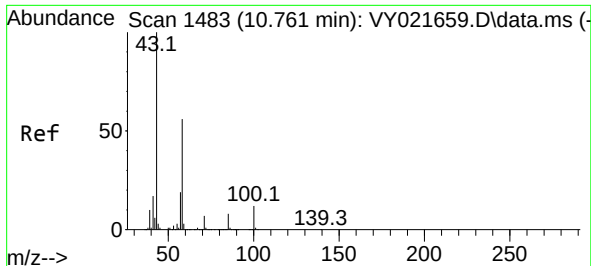
Tgt Ion: 63 Resp: 325502

Ion Ratio Lower Upper

63 100

106 27.9 22.4 33.6

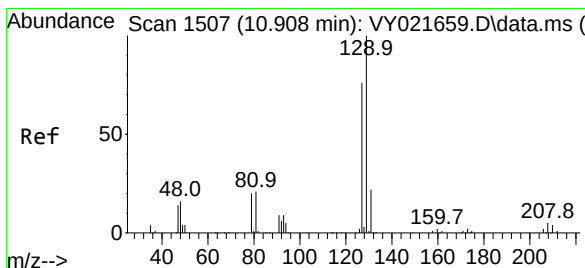
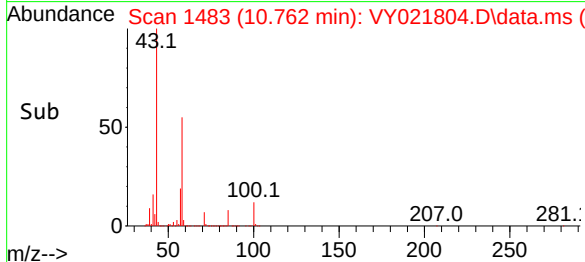
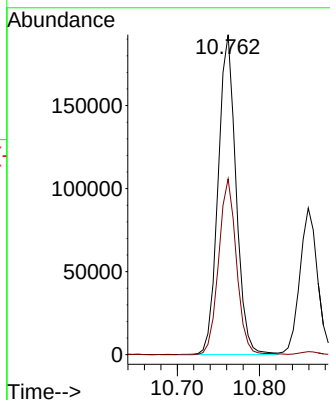
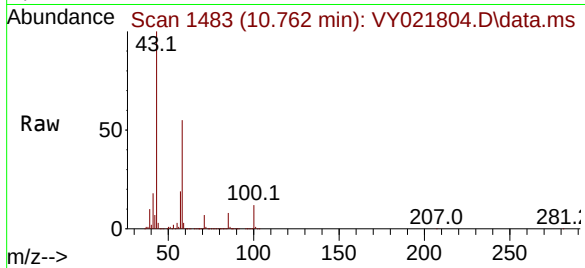




#59
2-Hexanone
Concen: 278.791 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

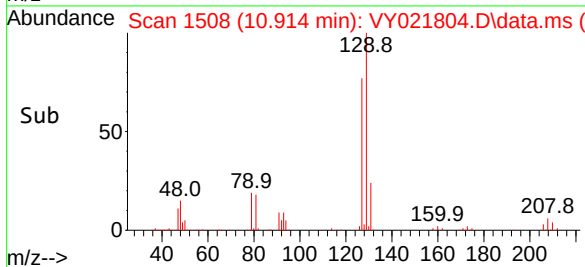
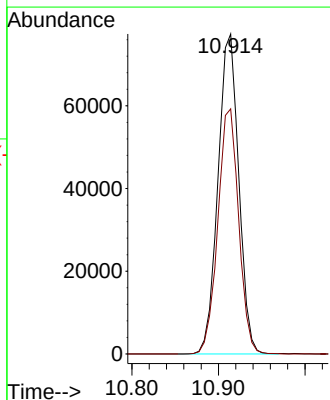
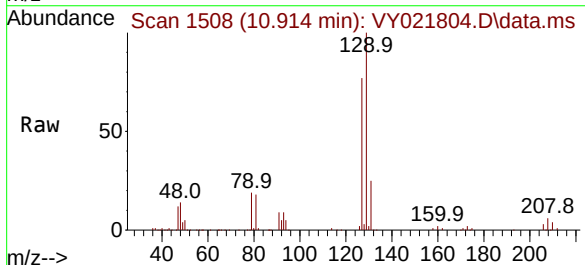
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

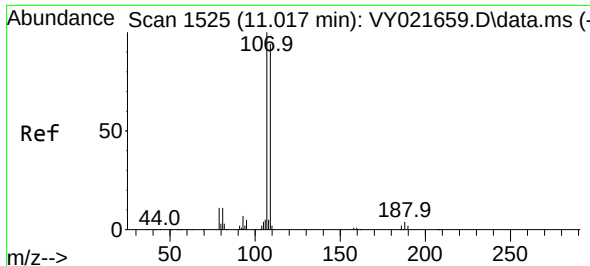
Tgt Ion: 43 Resp: 291456
Ion Ratio Lower Upper
43 100
58 54.8 27.2 81.5



#60
Dibromochloromethane
Concen: 53.126 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 129 Resp: 128616
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7

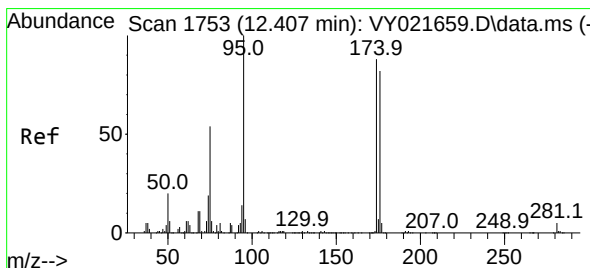
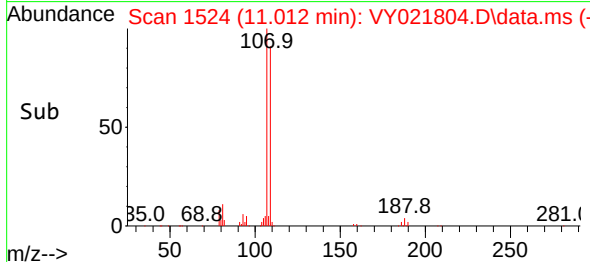
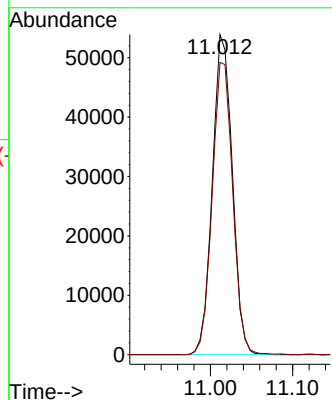
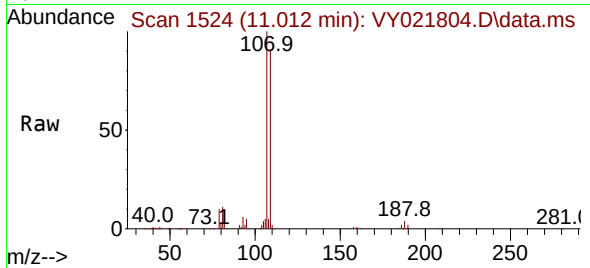




#61
1,2-Dibromoethane
Concen: 54.567 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

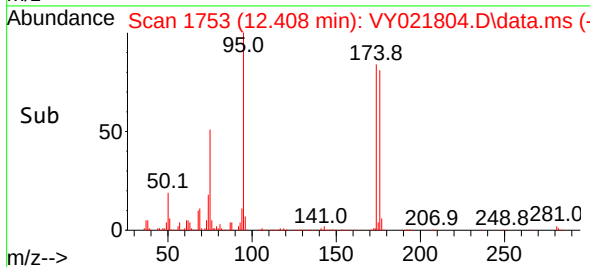
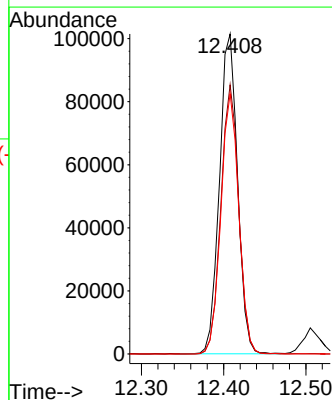
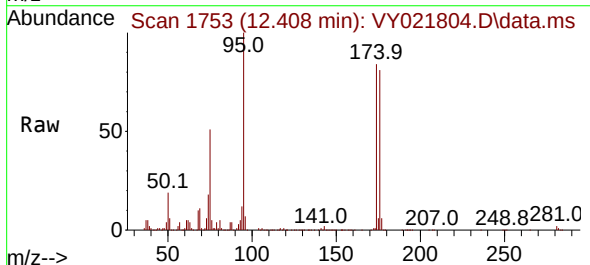
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

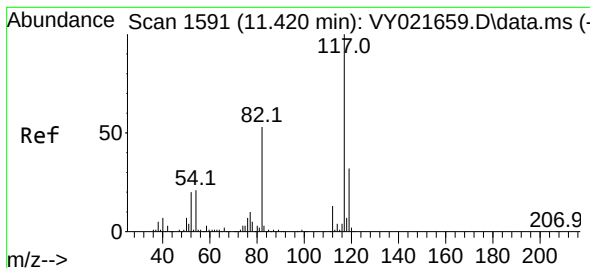
Tgt Ion:107 Resp: 90766
Ion Ratio Lower Upper
107 100
109 94.2 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 54.329 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 95 Resp: 154801
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

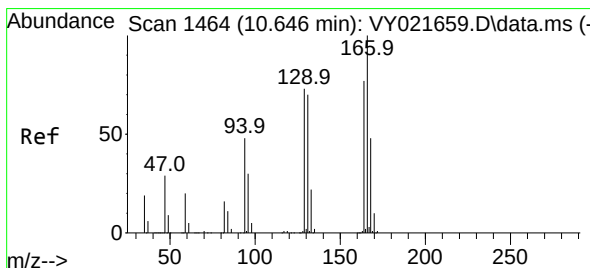
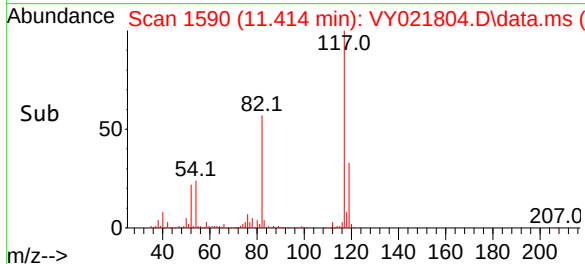
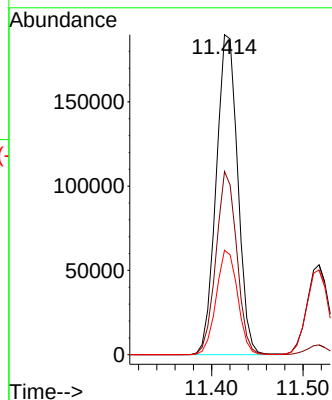
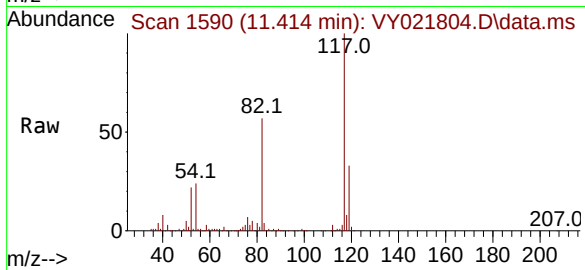
Tgt Ion:117 Resp: 311503

Ion Ratio Lower Upper

117 100

82 57.2 42.8 64.2

119 32.7 25.7 38.5



#64

Tetrachloroethene

Concen: 66.382 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Tgt Ion:164 Resp: 188331

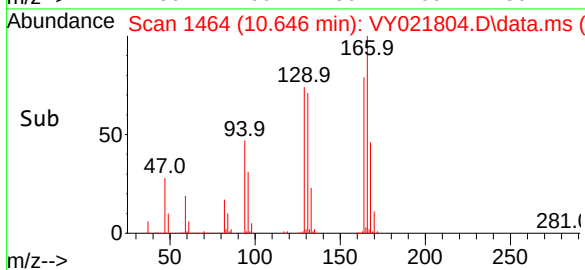
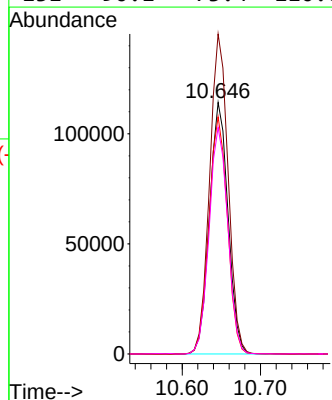
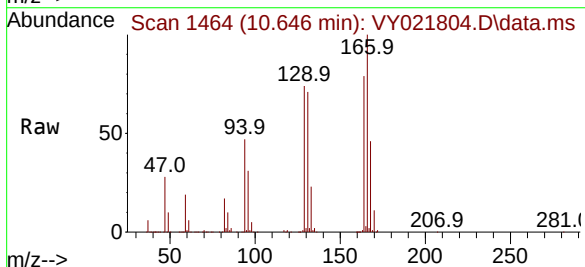
Ion Ratio Lower Upper

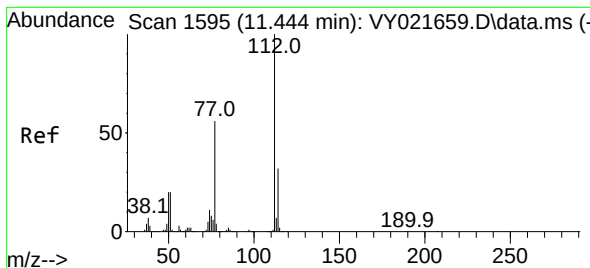
164 100

166 127.2 104.6 156.8

129 94.3 76.6 114.8

131 90.1 73.4 110.0





#65

Chlorobenzene

Concen: 51.612 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

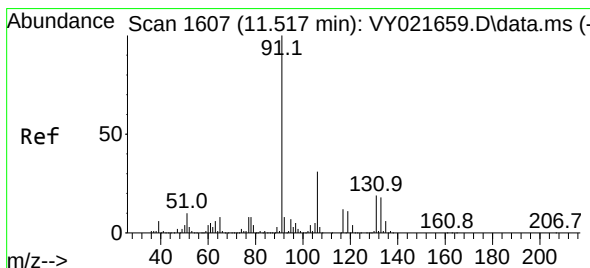
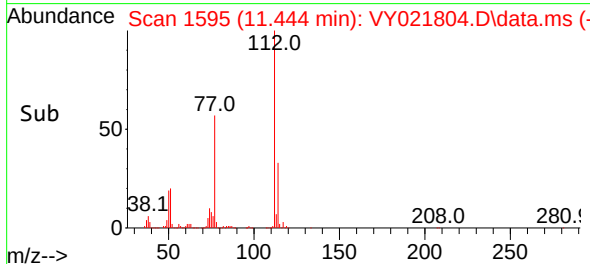
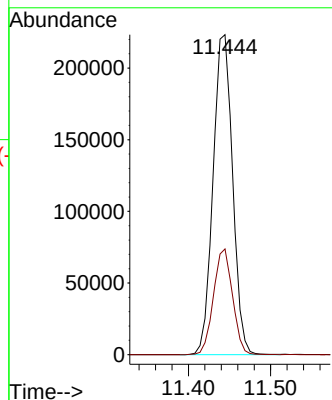
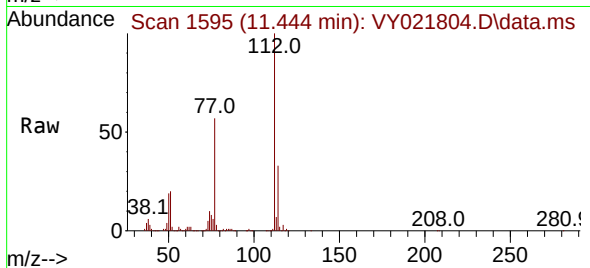
VSTDCCC050EC

Tgt Ion:112 Resp: 368544

Ion Ratio Lower Upper

112 100

114 33.0 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 51.329 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

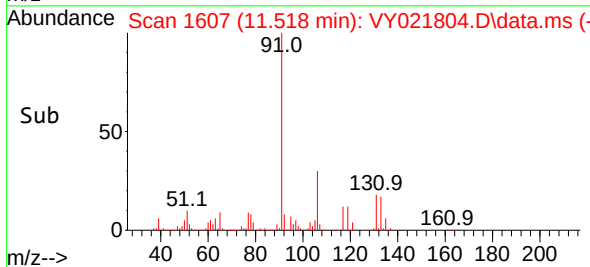
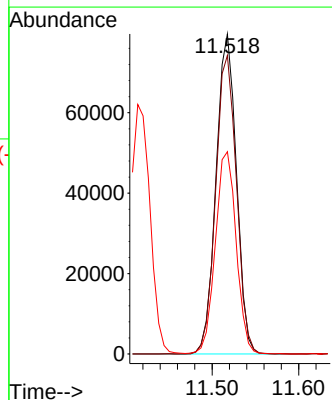
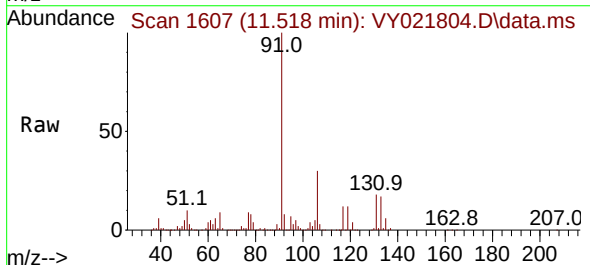
Tgt Ion:131 Resp: 130042

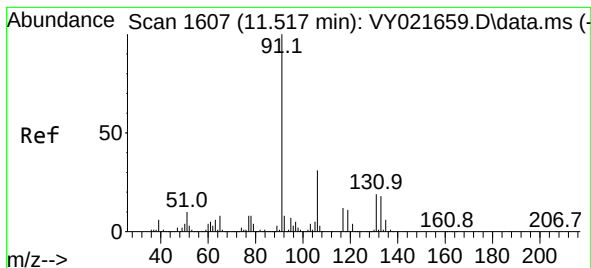
Ion Ratio Lower Upper

131 100

133 95.2 47.3 141.8

119 64.7 31.6 95.0

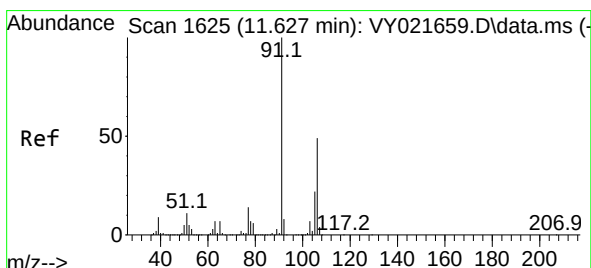
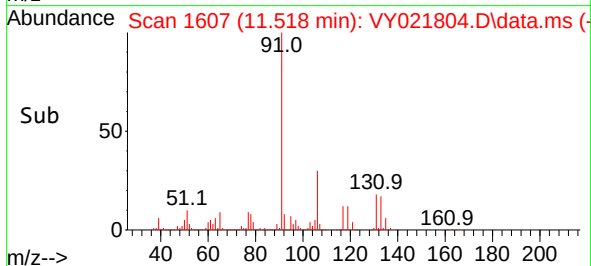
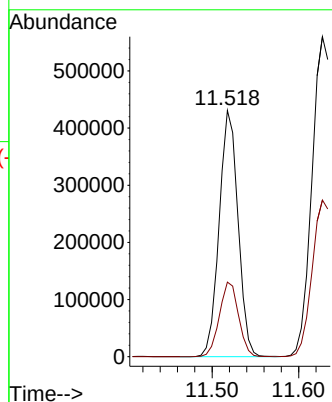
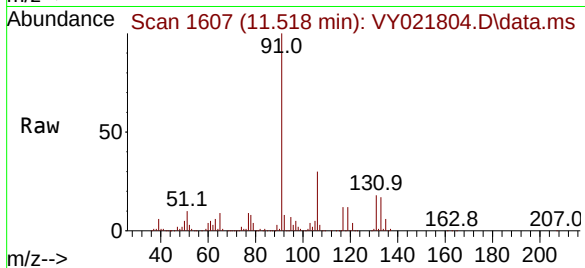




#67
Ethyl Benzene
Concen: 53.233 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

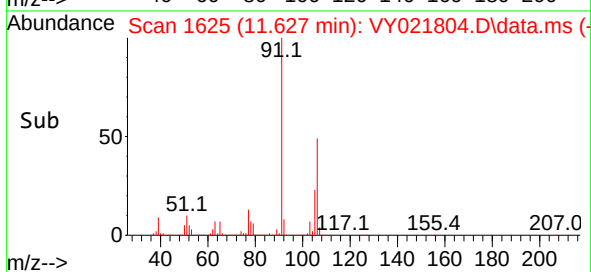
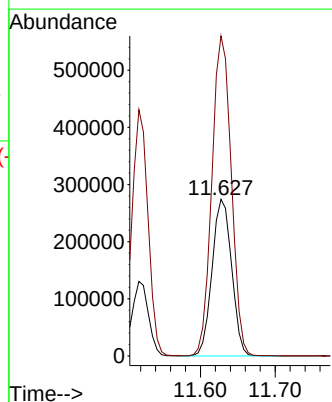
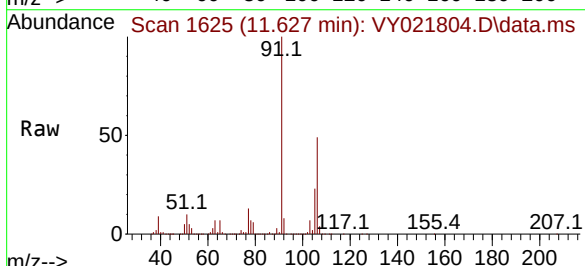
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

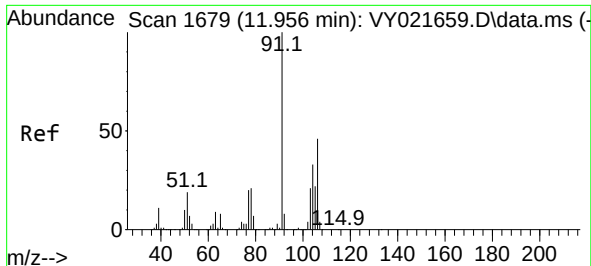
Tgt Ion: 91 Resp: 651824
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 106.367 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 106 Resp: 498739
Ion Ratio Lower Upper
106 100
91 203.0 162.4 243.6

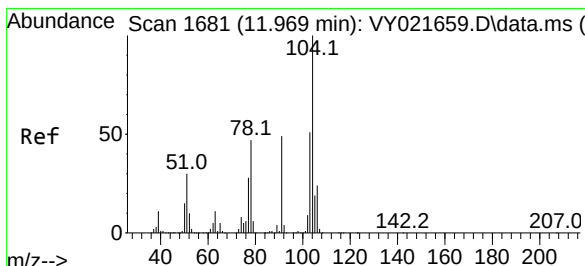
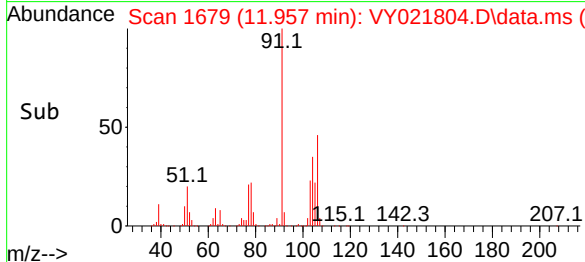
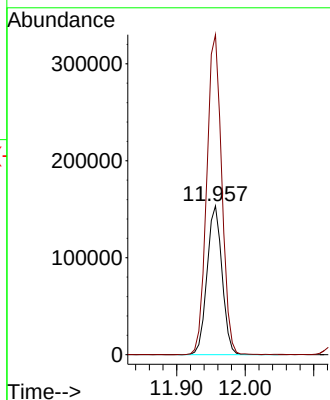
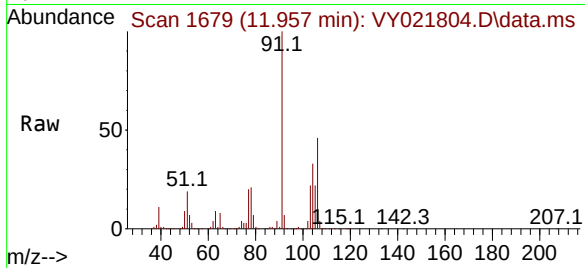




#69
o-Xylene
Concen: 53.967 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

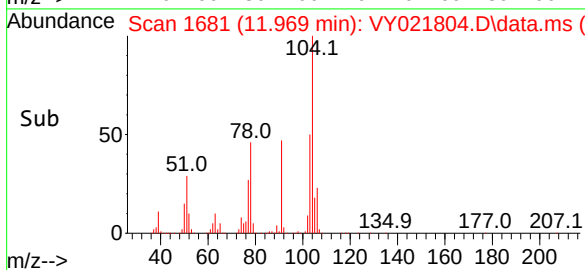
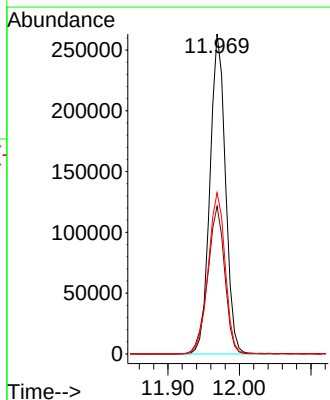
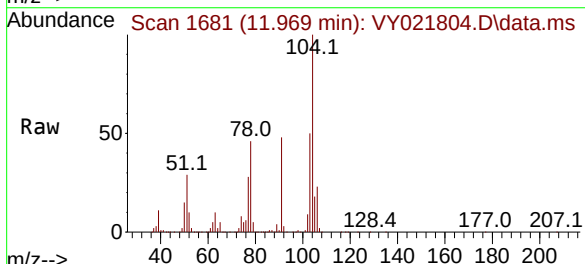
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

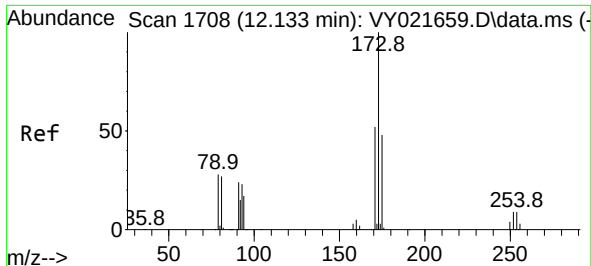
Tgt Ion:106 Resp: 233580
Ion Ratio Lower Upper
106 100
91 215.8 106.7 319.9



#70
Styrene
Concen: 55.090 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:104 Resp: 397557
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 55.0 44.2 66.2

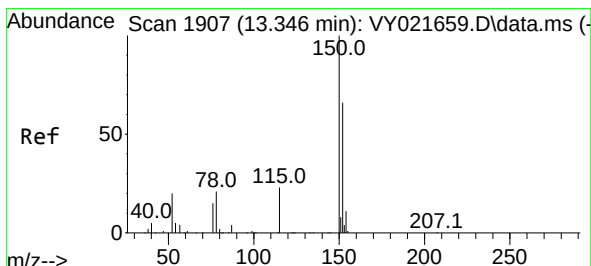
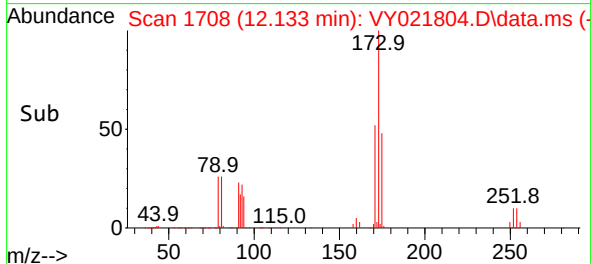
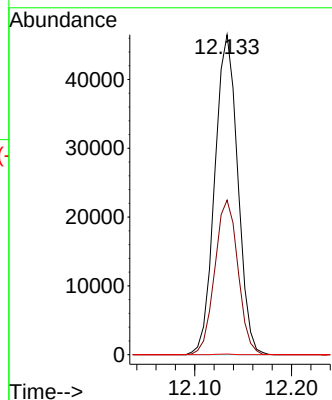
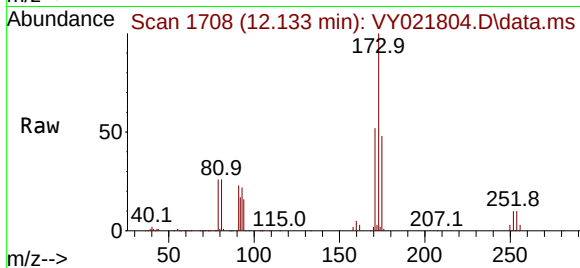




#71
Bromoform
Concen: 53.058 ug/l
RT: 12.133 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

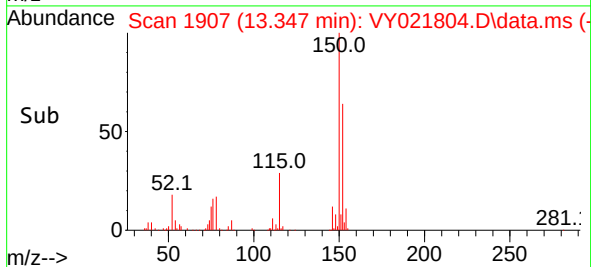
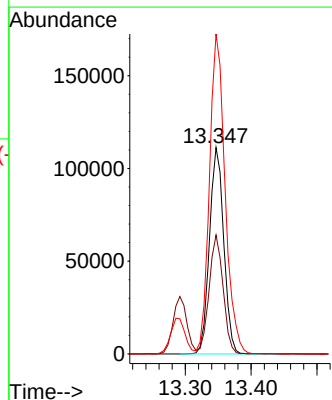
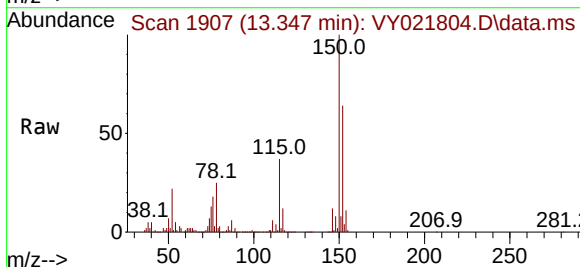
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

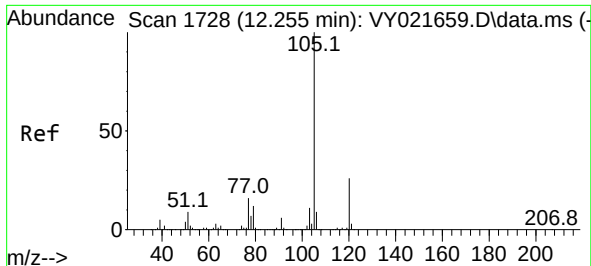
Tgt Ion:173 Resp: 76677
Ion Ratio Lower Upper
173 100
175 48.9 24.3 73.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:152 Resp: 168360
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 169.4 0.0 348.4

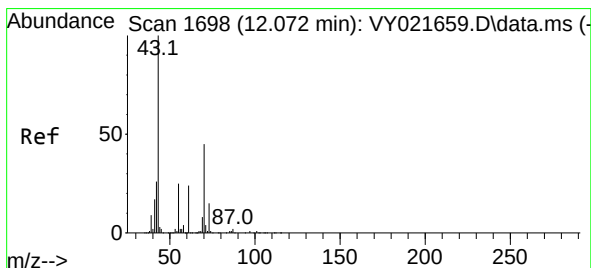
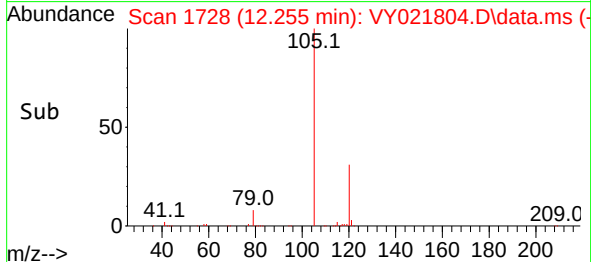
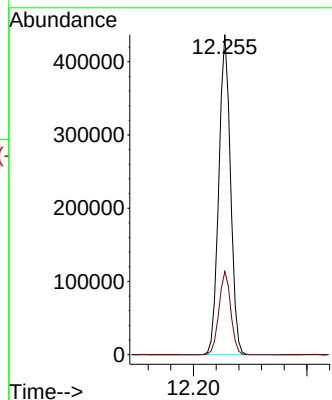
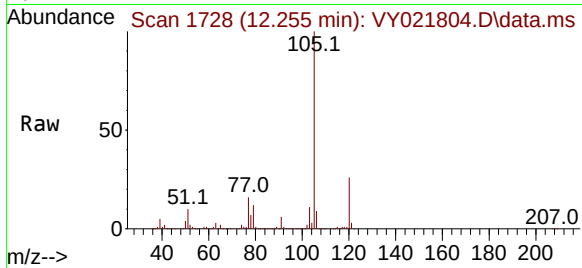




#73
Isopropylbenzene
Concen: 49.859 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

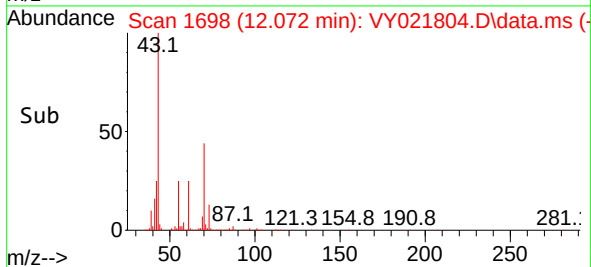
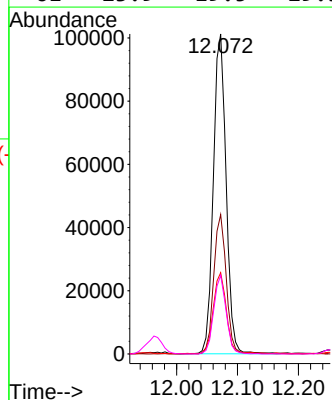
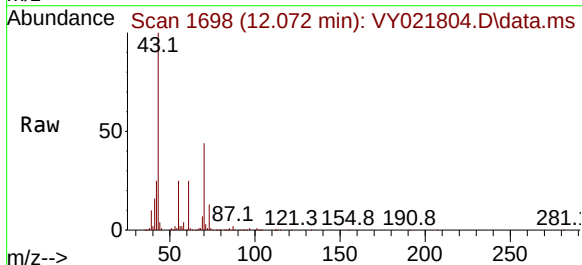
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

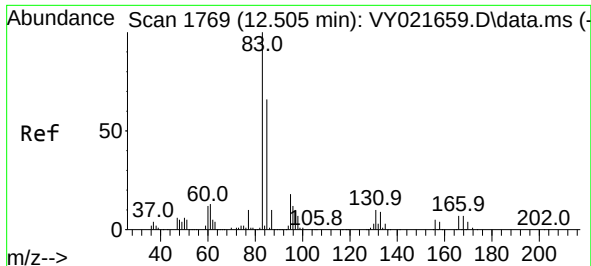
Tgt Ion:105 Resp: 623474
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 50.156 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 147196
Ion Ratio Lower Upper
43 100
70 42.8 34.7 52.1
55 26.0 21.2 31.8
61 23.9 19.5 29.3

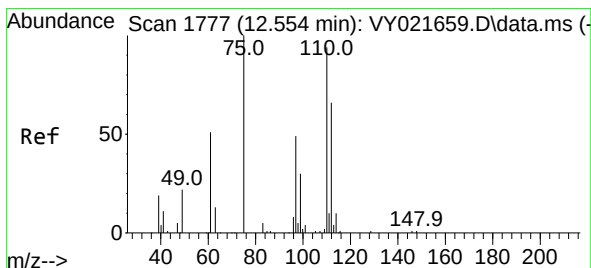
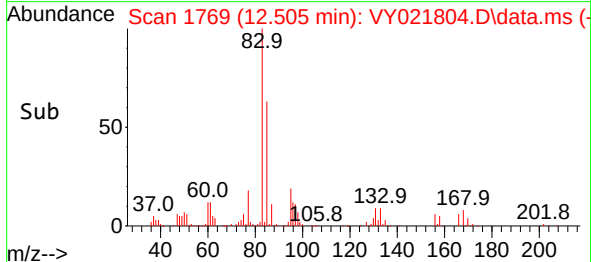
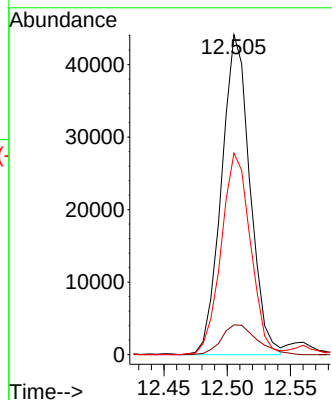
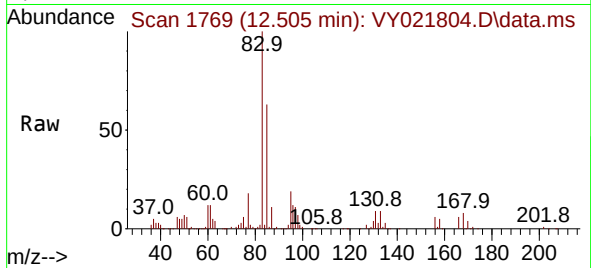




#75
 1,1,2,2-Tetrachloroethane
 Concen: 30.709 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

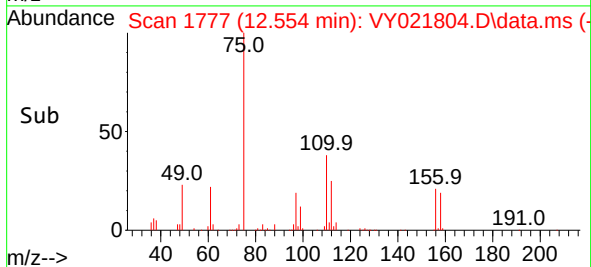
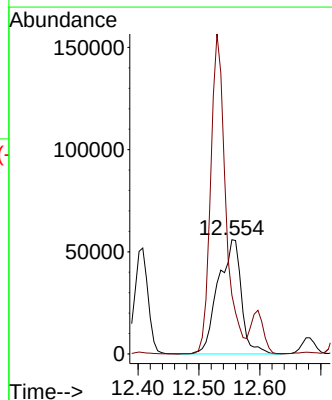
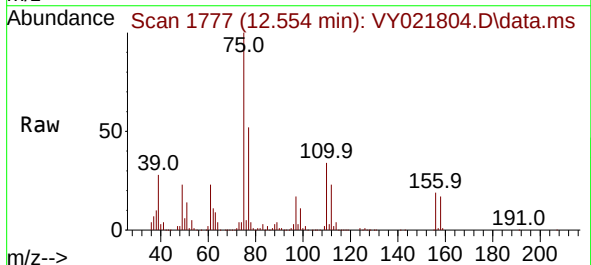
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

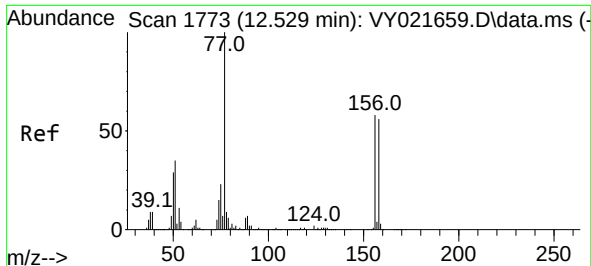
Tgt Ion: 83 Resp: 69040
 Ion Ratio Lower Upper
 83 100
 131 11.6 5.1 15.3
 85 64.7 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 88.555 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 147788
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

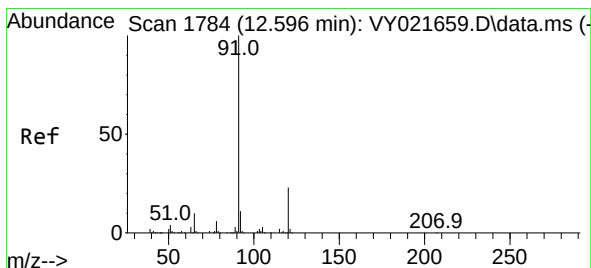
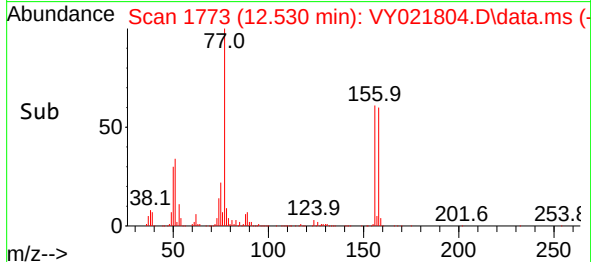
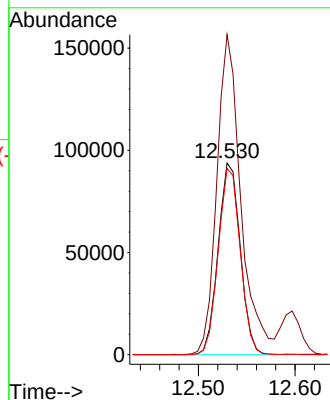
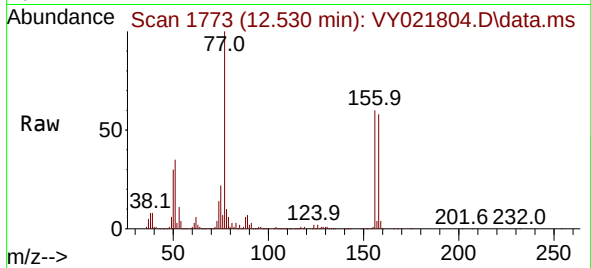




#77
Bromobenzene
Concen: 49.502 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

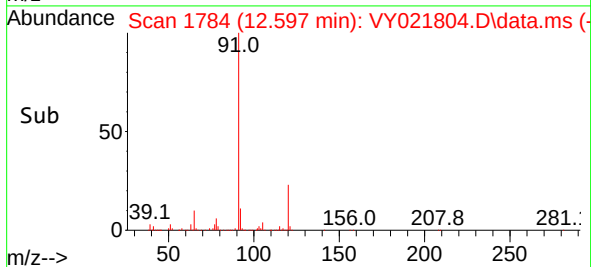
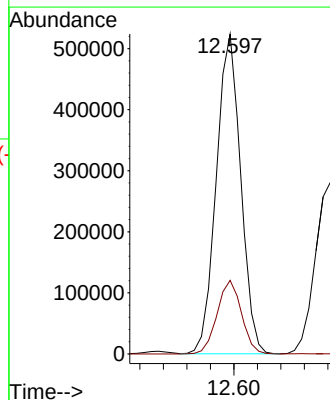
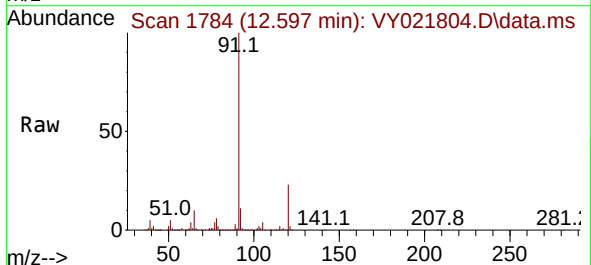
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

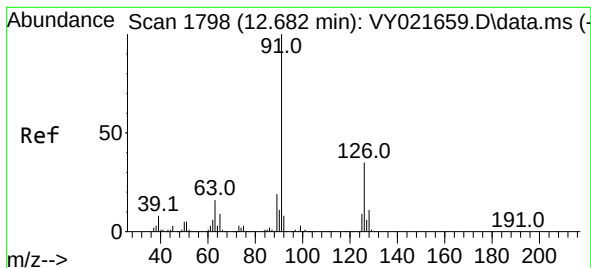
Tgt Ion:156 Resp: 148624
Ion Ratio Lower Upper
156 100
77 181.9 92.8 278.3
158 96.8 48.5 145.6



#78
n-propylbenzene
Concen: 50.246 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 755384
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.9

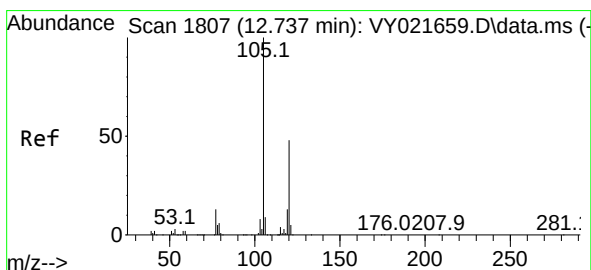
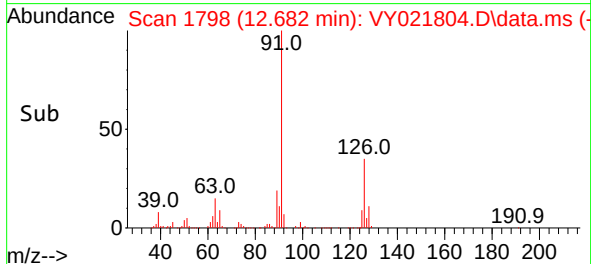
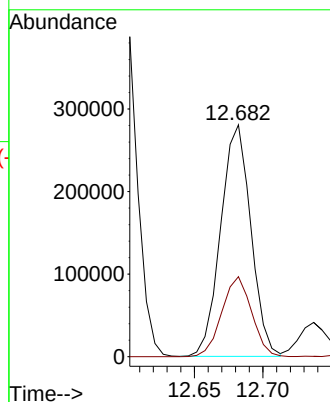
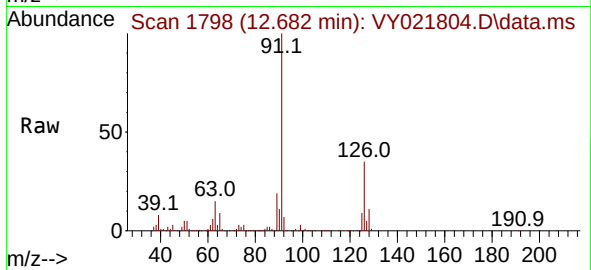




#79
2-Chlorotoluene
Concen: 49.230 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

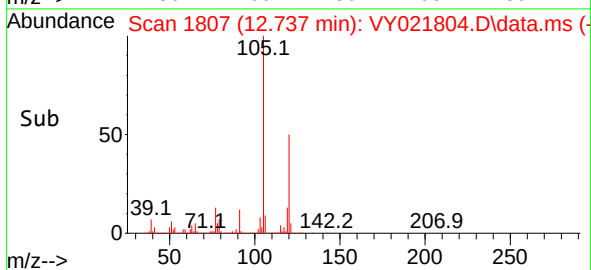
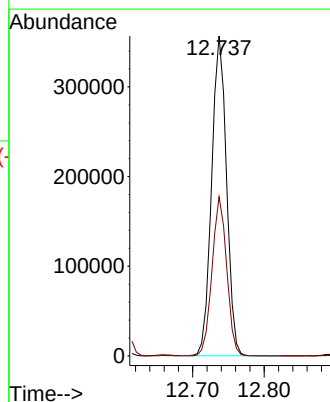
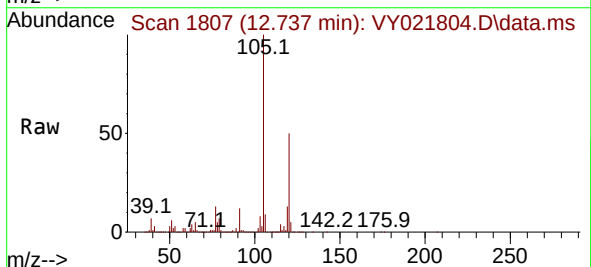
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

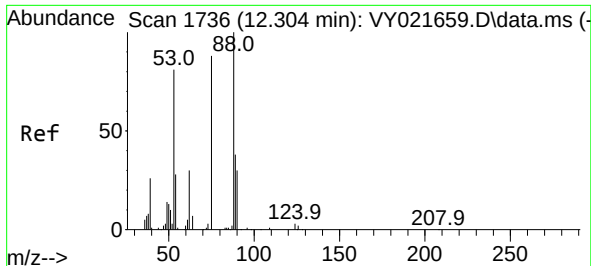
Tgt Ion: 91 Resp: 429871
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 50.419 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 105 Resp: 515287
Ion Ratio Lower Upper
105 100
120 49.1 24.5 73.5

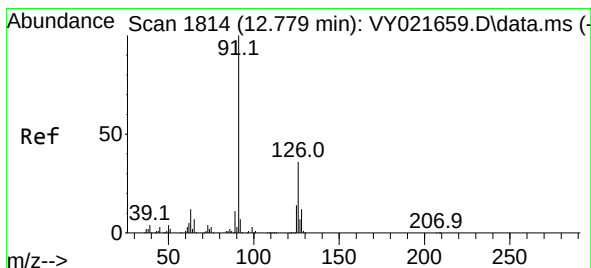
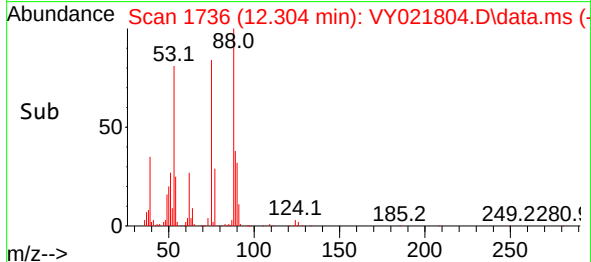
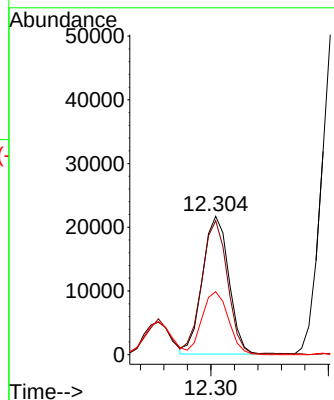
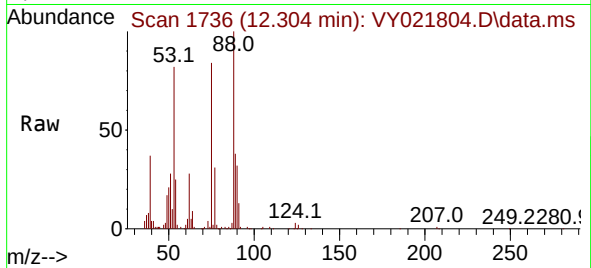




#81
trans-1,4-Dichloro-2-butene
Concen: 46.520 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

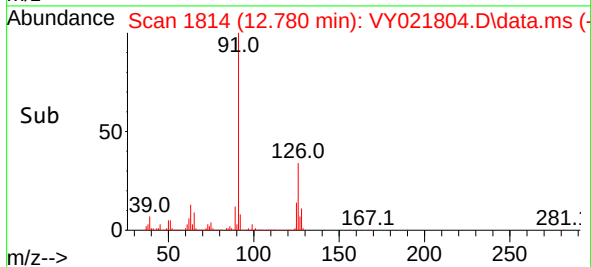
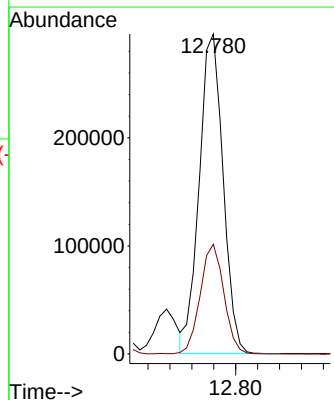
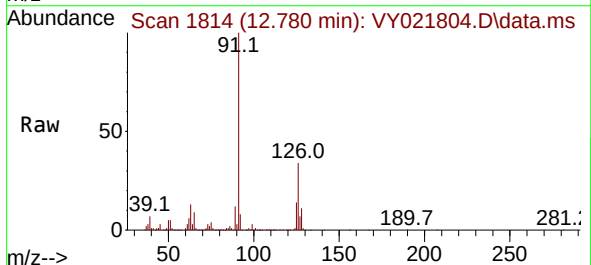
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

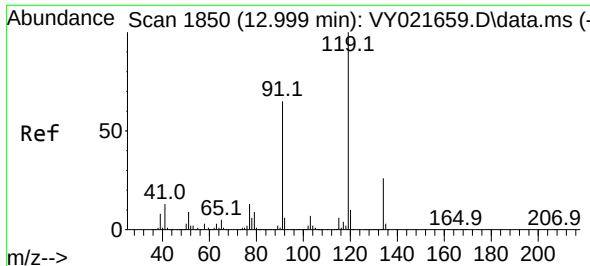
Tgt Ion:	75	Resp:	33694
Ion	Ratio	Lower	Upper
75	100		
53	96.7	76.1	114.1
89	45.7	36.2	54.4



#82
4-Chlorotoluene
Concen: 49.086 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:	91	Resp:	446850
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

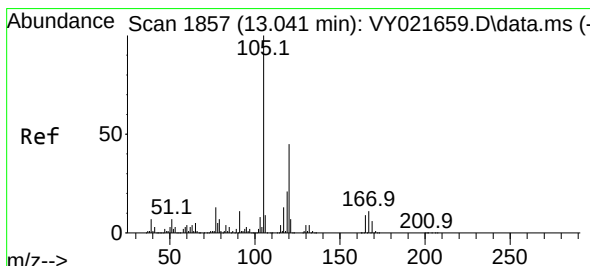
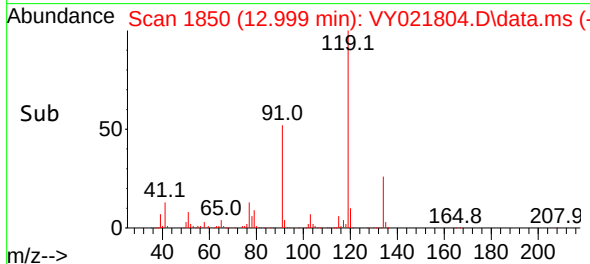
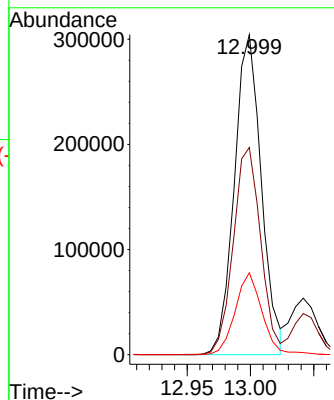
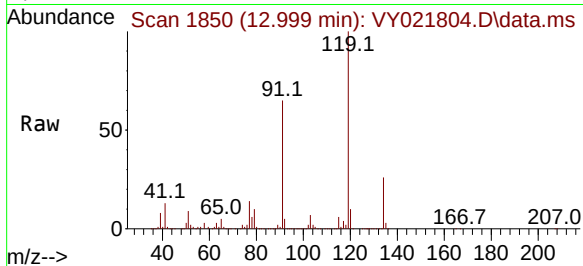




#83
 tert-Butylbenzene
 Concen: 49.742 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

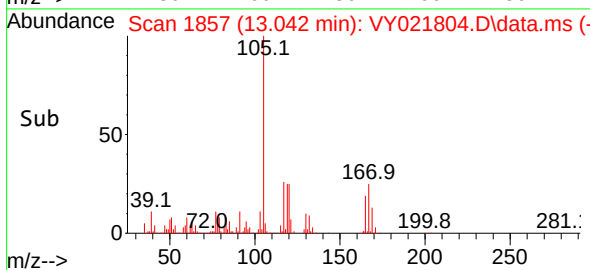
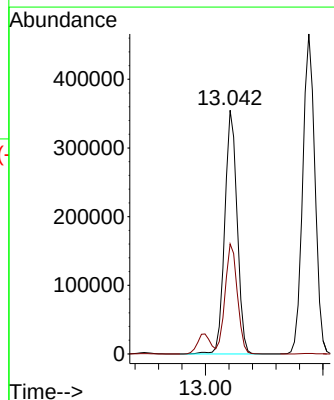
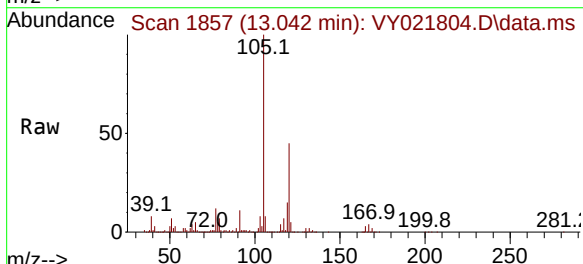
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

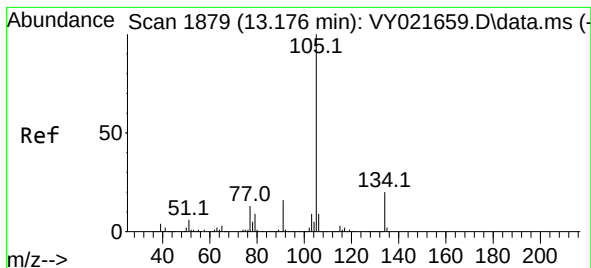
Tgt Ion:119 Resp: 452797
 Ion Ratio Lower Upper
 119 100
 91 65.6 32.6 97.7
 134 25.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.455 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

Tgt Ion:105 Resp: 519749
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 50.405 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

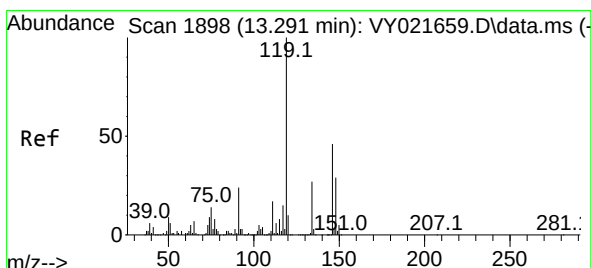
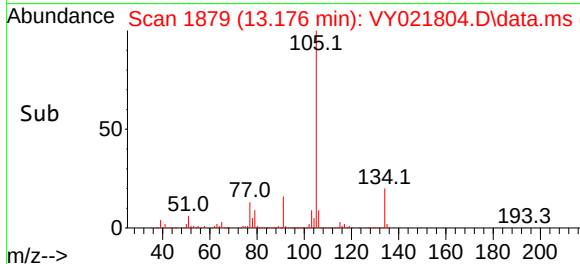
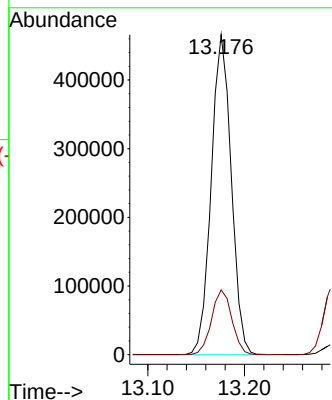
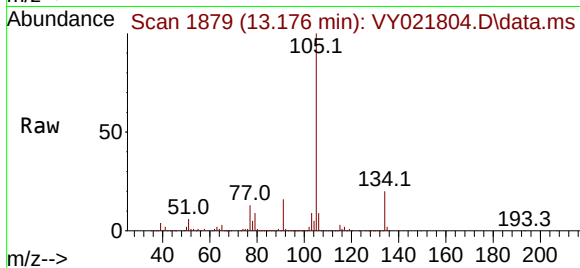
VSTDCCC050EC

Tgt Ion:105 Resp: 670543

Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1



#86

p-Isopropyltoluene

Concen: 51.574 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

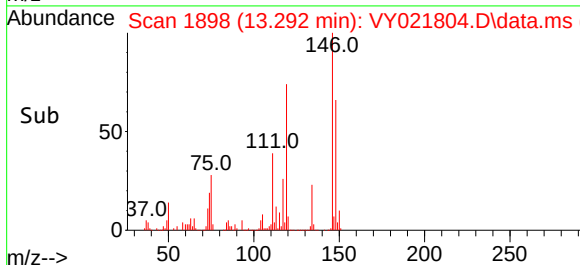
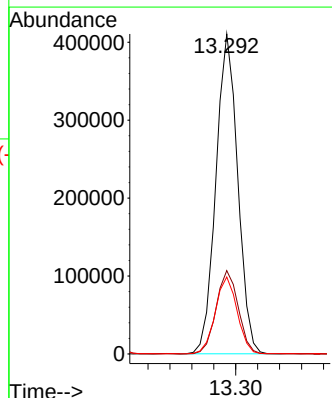
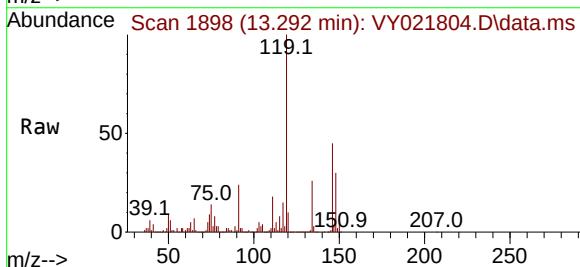
Tgt Ion:119 Resp: 567055

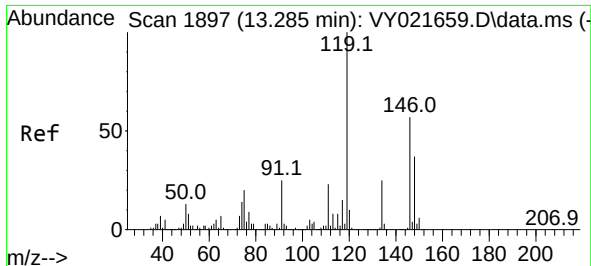
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.1 12.0 36.0

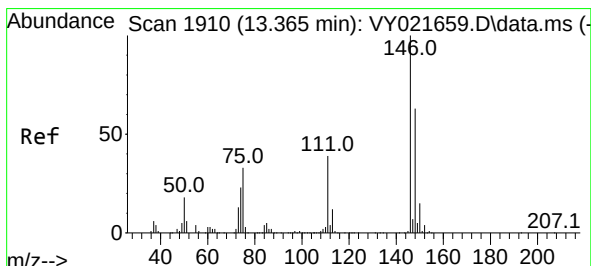
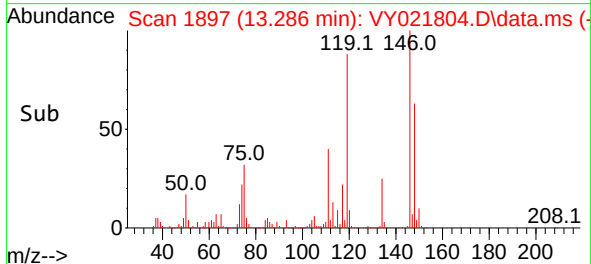
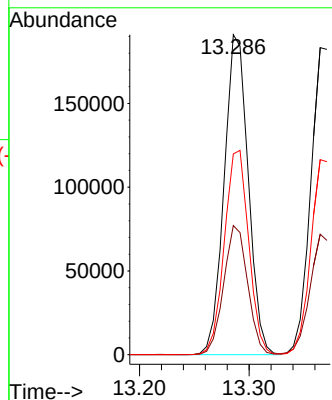
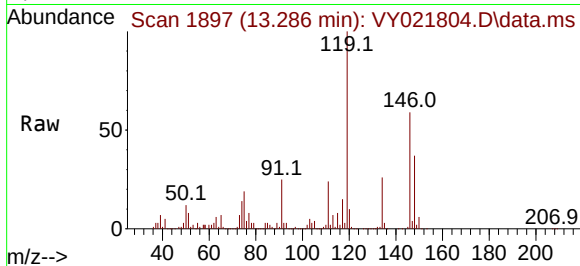




#87
 1,3-Dichlorobenzene
 Concen: 49.310 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

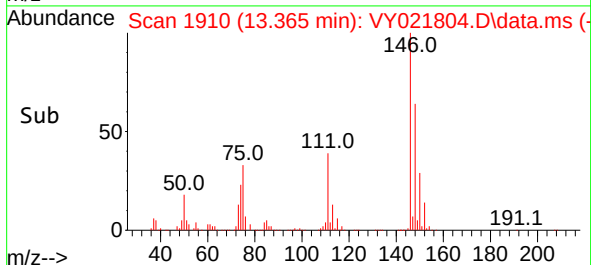
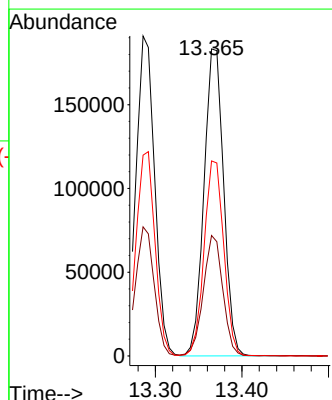
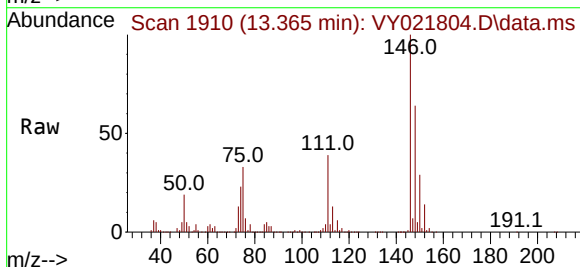
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

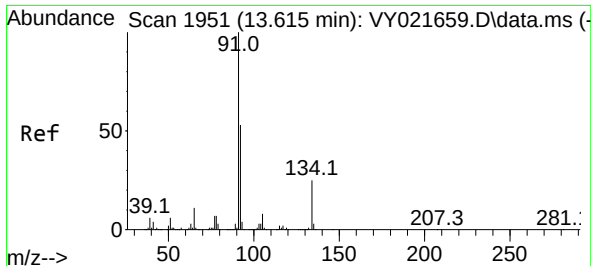
Tgt Ion:146 Resp: 291683
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.448 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.000 min
 Lab File: VY021804.D
 Acq: 07 Apr 2025 17:29

Tgt Ion:146 Resp: 288989
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.1
 148 63.8 31.5 94.5

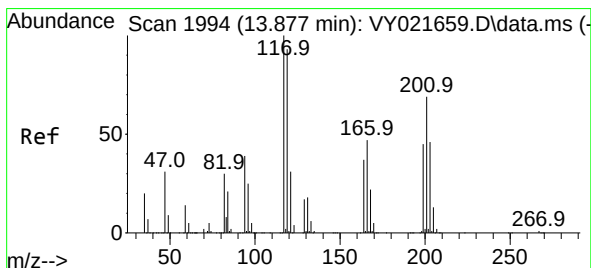
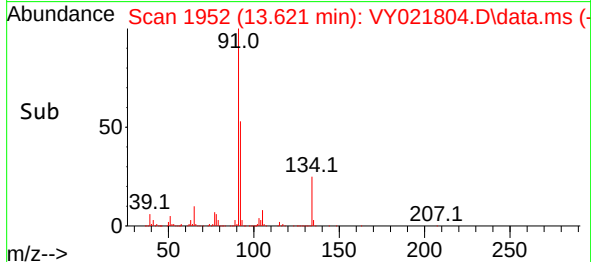
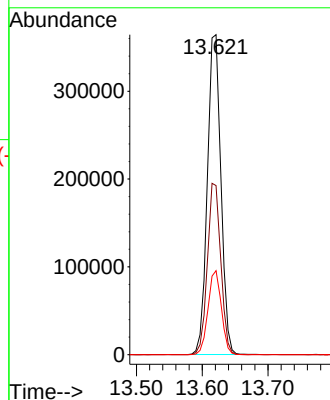
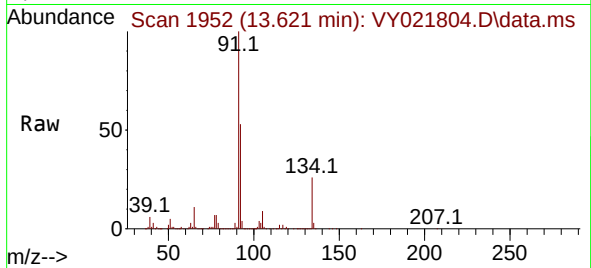




#89
n-Butylbenzene
Concen: 51.422 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

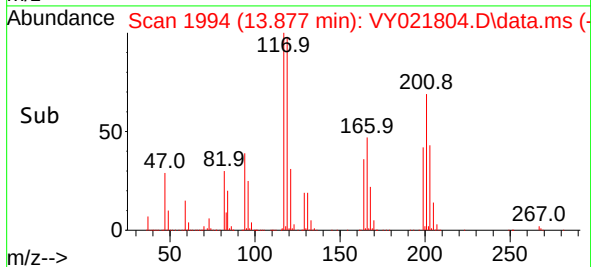
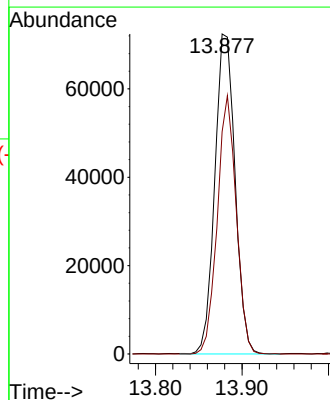
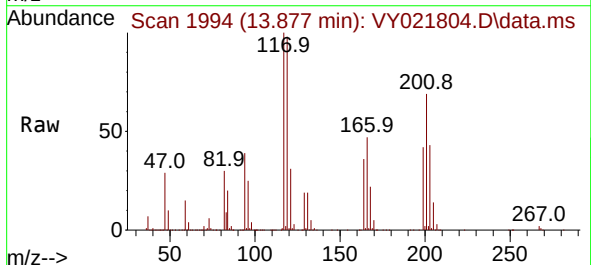
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

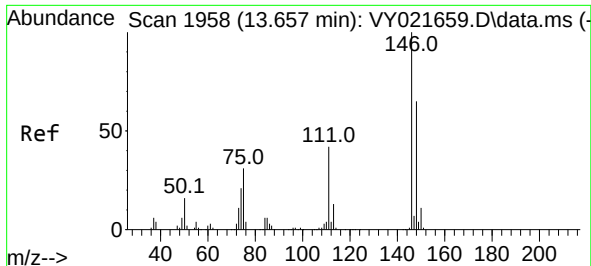
Tgt Ion: 91 Resp: 522872
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.2
134 25.8 12.8 38.4



#90
Hexachloroethane
Concen: 48.894 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 117 Resp: 117807
Ion Ratio Lower Upper
117 100
201 75.4 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 50.078 ug/l

RT: 13.658 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

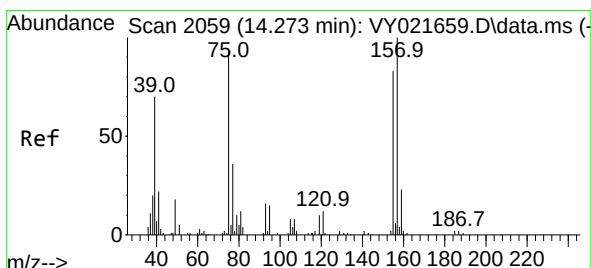
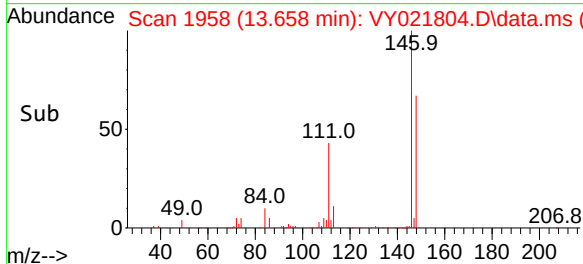
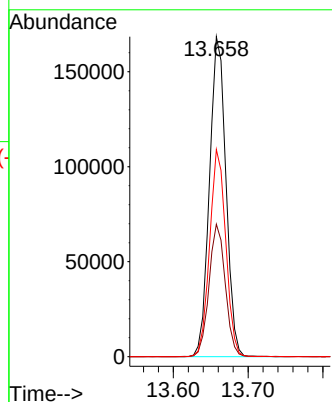
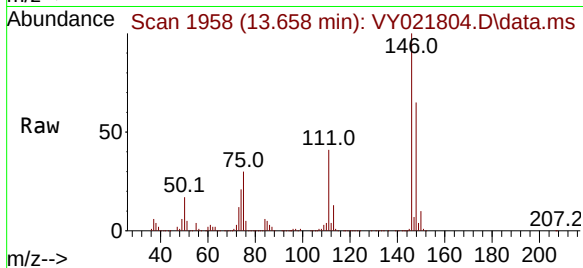
Tgt Ion:146 Resp: 257864

Ion Ratio Lower Upper

146 100

111 41.1 20.7 62.1

148 63.5 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.624 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY021804.D

Acq: 07 Apr 2025 17:29

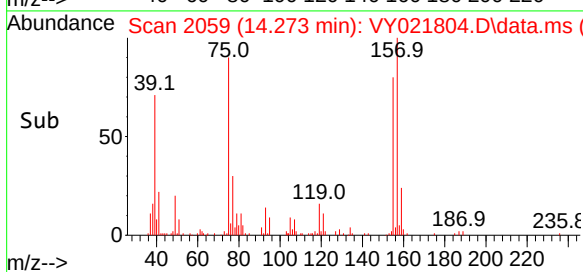
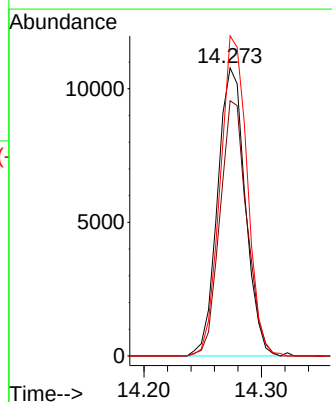
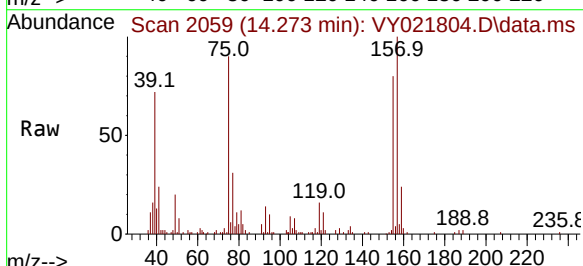
Tgt Ion: 75 Resp: 17640

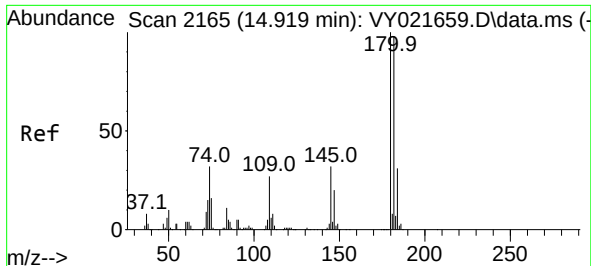
Ion Ratio Lower Upper

75 100

155 86.1 43.0 128.8

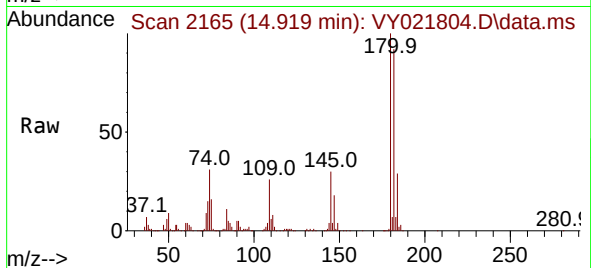
157 108.2 54.0 162.0



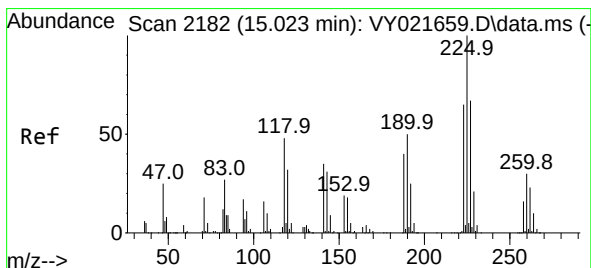
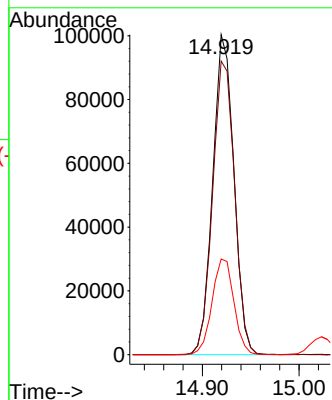
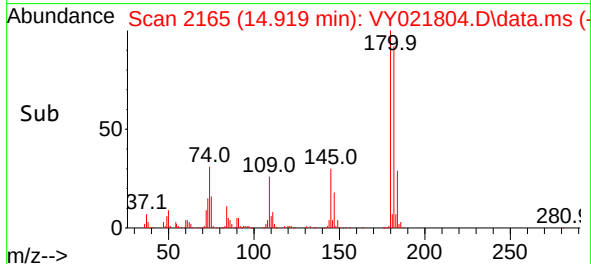


#93
1,2,4-Trichlorobenzene
Concen: 54.582 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

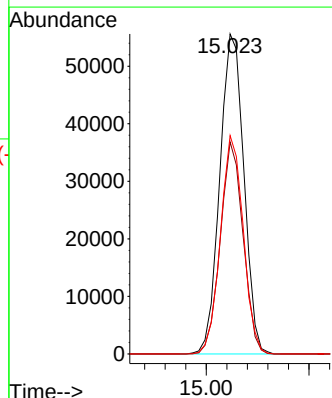
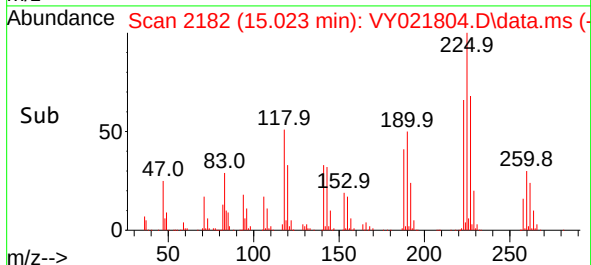
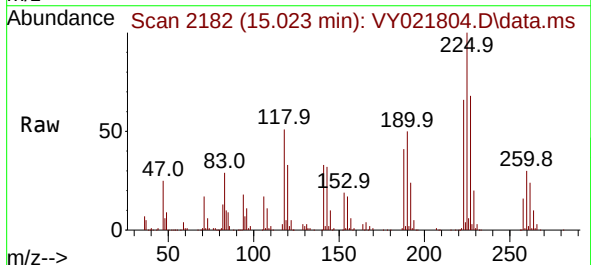


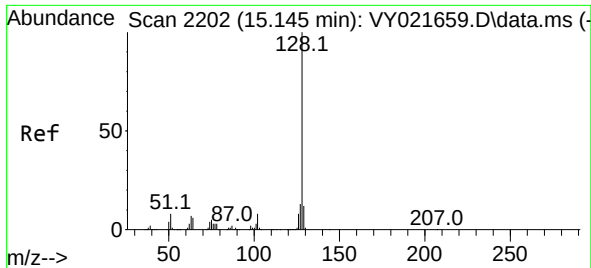
Tgt Ion:180 Resp: 152417
Ion Ratio Lower Upper
180 100
182 95.4 47.5 142.6
145 31.0 14.9 44.9



#94
Hexachlorobutadiene
Concen: 51.756 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:225 Resp: 90260
Ion Ratio Lower Upper
225 100
223 62.5 31.9 95.7
227 64.7 32.4 97.0

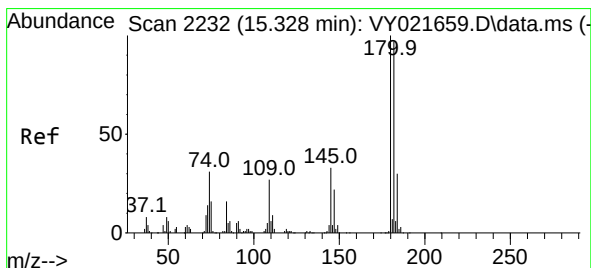
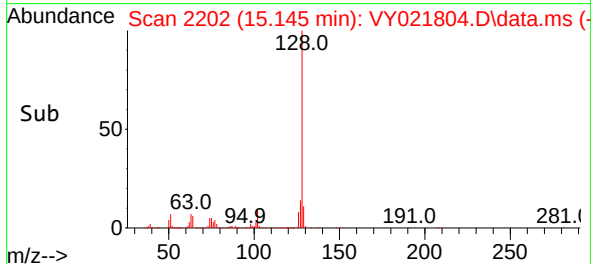
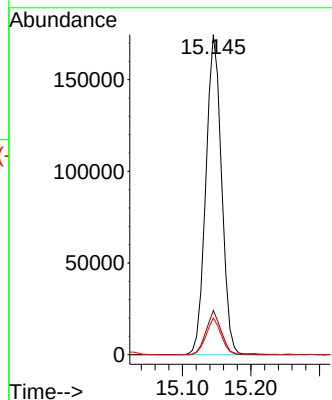
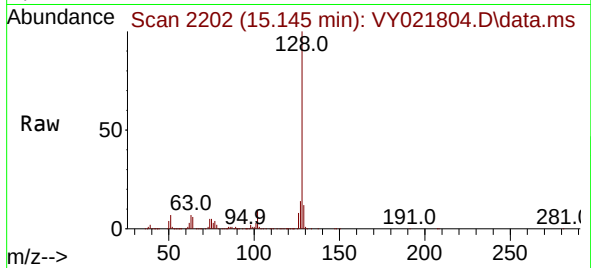




#95
Naphthalene
Concen: 60.132 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 278323
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 55.748 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:180 Resp: 132748
Ion Ratio Lower Upper
180 100
182 95.6 47.5 142.5
145 31.7 15.9 47.7

