

Cover Page

Order ID : Q1675

Project ID : Stockton

Client : G Environmental

Lab Sample Number

Q1675-01
Q1675-02
Q1675-03
Q1675-05
Q1675-06
Q1675-07
Q1675-08
Q1675-09
Q1675-10
Q1675-11
Q1675-12
Q1675-13
Q1675-14
Q1675-15
Q1675-16
Q1675-17
Q1675-18
Q1675-19
Q1675-20
Q1675-21

Client Sample Number

P1
P2
P3
P5
P6
T1
T2
T3
T4
T5
T6
D1
D2
D3
D4
D5
K1P
K1
K2
K3

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

Signature : _____

Date: 4/3/2025

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1675

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 03/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH_F2, EPH_NF and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries 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:

The Sample #T6 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Samples for MS/MSD for VOC analysis were not provided with this set of samples.

Trip Blank was not provided with this set of samples.

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



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

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_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1675

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KORI AMARNATH

Date: 04/03/2025

LAB CHRONICLE

OrderID:	Q1675	OrderDate:	3/28/2025 11:22:41 AM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-01	P1	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-05	P5	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-06	P6	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-07	T1	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-08	T2	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-09	T3	SOIL	VOC-TCLVOA-10	8260D	03/27/25		04/01/25	03/28/25
Q1675-10	T4	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-11	T5	SOIL	VOC-TCLVOA-10	8260D	03/27/25		03/31/25	03/28/25
Q1675-12	T6	SOIL	VOC-TCLVOA-10	8260D	03/27/25		04/01/25	03/28/25

Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	P5							
Q1675-05	P5	SOIL	Decahydro-1,1,4a,5,6-pentamet *	28.9	J	0	0	ug/Kg
			Total Tics :	28.9				
			Total Concentration:	28.9				
Client ID:	T1							
Q1675-07	T1	SOIL	unknown1.812 *	18.3	J	0	0	ug/Kg
Q1675-07	T1	SOIL	unknown15.511 *	27.1	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Naphthalene, decahydro-2,3-di *	19.3	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Undecane, 3,6-dimethyl- *	40.9	J	0	0	ug/Kg
Q1675-07	T1	SOIL	1H-Indene, octahydro-2,2,4,4,7 *	37.7	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Sulfurous acid, hexyl 2-pentyl *	16.4	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Carbonic acid, tetradecyl vinyl *	26.8	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Carbonic acid, 2-ethylhexyl unc *	31.1	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Nonyl tetradecyl ether *	13.4	J	0	0	ug/Kg
			Total Tics :	231				
			Total Concentration:	231				
Client ID:	T2							
Q1675-08	T2	SOIL	Acetone	15.8		2.10	10.9	ug/Kg
			Total Voc :	15.8				
Q1675-08	T2	SOIL	unknown12.652 *	27.7	J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown14.651 *	40.0	J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown15.352 *	22.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown15.511 *	33.0	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,4-dimethyl- *	27.8	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Naphthalene, decahydro-, trans *	46.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,3,3-trimethyl- *	100	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,3,4-trimethyl- *	72.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Hexane, 2,2-dimethyl- *	110	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Octane, 2,6-dimethyl- *	51.9	J	0	0	ug/Kg
Q1675-08	T2	SOIL	1-Methyldecahydronaphthalene *	37.4	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Naphthalene, decahydro-2-metl *	56.3	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Dodecane, 2,6,10-trimethyl- *	33.8	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Cyclohexane, 1,1,2,3-tetrameth *	25.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Decahydro-1,1,4a,5,6-pentamet *	31.6	J	0	0	ug/Kg
			Total Tics :	715				
			Total Concentration:	731				
Client ID:	T3							
Q1675-09	T3	SOIL	Acetone	12.1	J	3.50	18.6	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				12.1				
Total Concentration:				12.1				
Client ID: Q1675-10	T4 T4	SOIL	Acetone	11.2	J	3.60	19.0	ug/Kg
Total Voc :				11.2				
Total Concentration:				11.2				
Client ID: Q1675-11	T5 T5	SOIL	Acetone	14.5	J	3.60	18.7	ug/Kg
Total Voc :				14.5				
Q1675-11	T5	SOIL	Hexadecane	* 54.2	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Pentane, 2,3,3-trimethyl-	* 56.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Pentane, 2,3,4-trimethyl-	* 67.2	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2-dimethyl-	* 96.9	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,5-dimethyl-	* 16.0	J	0	0	ug/Kg
Q1675-11	T5	SOIL	1-Hexanol, 5-methyl-2-(1-meth	* 16.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2,5-trimethyl-	* 21.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Heptane, 3,3,5-trimethyl-	* 7.90	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 2,2-dimethyl-	* 8.10	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 3,6-dimethyl-	* 8.90	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2,3-trimethyl-	* 59.1	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Decane, 2,2-dimethyl-	* 10.9	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 2,4,6-trimethyl-	* 13.6	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Decane, 2,2,9-trimethyl-	* 19.0	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Dodecane, 2,2,11,11-tetramethy	* 28.9	J	0	0	ug/Kg
Total Tics :				485				
Total Concentration:				500				
Client ID: Q1675-12	T6 T6	SOIL	Acetone	16.9	J	3.50	18.6	ug/Kg
Total Voc :				16.9				
Q1675-12	T6	SOIL	Pentane, 2,3,3-trimethyl-	* 6.70	J	0	0	ug/Kg
Q1675-12	T6	SOIL	Pentane, 2,3,4-trimethyl-	* 4.50	J	0	0	ug/Kg
Q1675-12	T6	SOIL	Hexane, 2,2-dimethyl-	* 7.90	J	0	0	ug/Kg
Total Tics :				19.1				
Total Concentration:				36.0				



QC SUMMARY

Surrogate Summary

SDG No.: **Q1675**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1675-01	P1	1,2-Dichloroethane-d4	50	55.4	111	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	49.0	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.0	90	70 (38)	130 (136)
Q1675-05	P5	1,2-Dichloroethane-d4	50	52.1	104	70 (63)	130 (155)
		Dibromofluoromethane	50	51.2	102	70 (70)	130 (134)
		Toluene-d8	50	48.8	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.9	76	70 (38)	130 (136)
Q1675-06	P6	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102	70 (70)	130 (134)
		Toluene-d8	50	51.5	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.5	111	70 (38)	130 (136)
Q1675-07	T1	1,2-Dichloroethane-d4	50	54.2	108	70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102	70 (70)	130 (134)
		Toluene-d8	50	50.1	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.2	100	70 (38)	130 (136)
Q1675-08	T2	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	51.8	104	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	65.0	130	70 (38)	130 (136)
Q1675-09	T3	1,2-Dichloroethane-d4	50	60.2	120	70 (63)	130 (155)
		Dibromofluoromethane	50	53.0	106	70 (70)	130 (134)
		Toluene-d8	50	50.2	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101	70 (38)	130 (136)
Q1675-10	T4	1,2-Dichloroethane-d4	50	56.6	113	70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104	70 (70)	130 (134)
		Toluene-d8	50	49.7	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.0	106	70 (38)	130 (136)
Q1675-11	T5	1,2-Dichloroethane-d4	50	53.7	107	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	50.6	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.7	109	70 (38)	130 (136)
Q1675-12	T6	1,2-Dichloroethane-d4	50	56.7	113	70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101	70 (70)	130 (134)
		Toluene-d8	50	50.1	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.7	99	70 (38)	130 (136)
VY0331SBL01	VY0331SBL01	1,2-Dichloroethane-d4	50	50.5	101	70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86	70 (38)	130 (136)
VY0331SBS01	VY0331SBS01	1,2-Dichloroethane-d4	50	50.4	101	70 (63)	130 (155)
		Dibromofluoromethane	50	52.7	105	70 (70)	130 (134)
		Toluene-d8	50	52.2	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.0	102	70 (38)	130 (136)
VY0331SBSD01	VY0331SBSD01	1,2-Dichloroethane-d4	50	54.3	109	70 (63)	130 (155)
		Dibromofluoromethane	50	56.5	113	70 (70)	130 (134)
		Toluene-d8	50	56.6	113	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.8	110	70 (38)	130 (136)
VY0401SBL01	VY0401SBL01	1,2-Dichloroethane-d4	50	52.8	106	70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103	70 (70)	130 (134)

Surrogate Summary

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY0401SBL01	VY0401SBL01	Toluene-d8	50	49.4	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.3	95	70 (38)	130 (136)
VY0401SBS01	VY0401SBS01	1,2-Dichloroethane-d4	50	52.3	105	70 (63)	130 (155)
		Dibromofluoromethane	50	54.1	108	70 (70)	130 (134)
		Toluene-d8	50	54.9	110	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.3	109	70 (38)	130 (136)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021712.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0331SBS01	Dichlorodifluoromethane	20	19.6	ug/Kg	98			40 (64)	160 (136)	
	Chloromethane	20	19.3	ug/Kg	97			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	20.6	ug/Kg	103			40 (58)	160 (141)	
	Chloroethane	20	19.4	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.6	ug/Kg	98			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	95.6	ug/Kg	96			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			70 (77)	130 (129)	
	Methyl Acetate	20	19.3	ug/Kg	97			70 (69)	130 (149)	
	Methylene Chloride	20	20.3	ug/Kg	102			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	90.9	ug/Kg	91			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	19.8	ug/Kg	99			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	Bromodichloromethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	92.0	ug/Kg	92			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	90.5	ug/Kg	91			40 (66)	160 (138)	
	Dibromochloromethane	20	19.9	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	20.3	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (122)	
	Ethyl Benzene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.2	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675
Client: G Environmental
Analytical Method: SW8260D **Datafile :** VY021712.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0331SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.8	ug/Kg	89			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0331SBSD01	Dichlorodifluoromethane	20	19.7	ug/Kg	99	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.3	ug/Kg	97	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.2	ug/Kg	96	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.4	ug/Kg	102	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.1	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.5	ug/Kg	98	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	0		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	2		70 (79)	130 (121)	30 (20)
	Acetone	100	87.1	ug/Kg	87	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.8	ug/Kg	94	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	18.1	ug/Kg	91	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.3	ug/Kg	102	0		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/Kg	97	0		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.8	ug/Kg	99	0		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.1	ug/Kg	96	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	88.8	ug/Kg	89	2		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.0	ug/Kg	100	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.0	ug/Kg	100	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.9	ug/Kg	100	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.6	ug/Kg	98	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.5	ug/Kg	98	4		70 (77)	130 (123)	30 (20)
	Benzene	20	20.0	ug/Kg	100	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.1	ug/Kg	101	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.0	ug/Kg	100	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.0	ug/Kg	100	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	92.7	ug/Kg	93	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.6	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	88.5	ug/Kg	89	2		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.8	ug/Kg	99	1		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.8	ug/Kg	99	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.6	ug/Kg	103	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.1	ug/Kg	101	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.0	ug/Kg	100	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.0	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.8	ug/Kg	99	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.2	ug/Kg	96	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.4	ug/Kg	92	5		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	0		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0331SBSD01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	18.6	ug/Kg	93	1		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95	7		70 (70)	130 (137)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0401SBS01	Dichlorodifluoromethane	20	19.4	ug/Kg	97			40 (64)	160 (136)	
	Chloromethane	20	18.1	ug/Kg	91			40 (70)	160 (130)	
	Vinyl chloride	20	18.3	ug/Kg	92			70 (72)	130 (129)	
	Bromomethane	20	19.7	ug/Kg	99			40 (58)	160 (141)	
	Chloroethane	20	18.4	ug/Kg	92			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70 (79)	130 (121)	
	Acetone	100	94.3	ug/Kg	94			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	20	18.6	ug/Kg	93			70 (69)	130 (149)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Cyclohexane	20	18.8	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	93.7	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	19.3	ug/Kg	97			70 (80)	130 (127)	
	Chloroform	20	19.4	ug/Kg	97			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	19.6	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			70 (81)	130 (126)	
	Trichloroethene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	94.6	ug/Kg	95			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	94.9	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.8	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.5	ug/Kg	99			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	20.5	ug/Kg	103			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675
Client: G Environmental
Analytical Method: SW8260D **Datafile :** VY021733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0401SBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0331SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1675

SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021711.D

Lab Sample ID: VY0331SBL01

Date Analyzed: 03/31/2025

Time Analyzed: 11:04

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
VY0331SBS01	VY0331SBS01	VY021712.D	03/31/2025
VY0331SBSD01	VY0331SBSD01	VY021713.D	03/31/2025
P1	Q1675-01	VY021718.D	03/31/2025
P5	Q1675-05	VY021719.D	03/31/2025
P6	Q1675-06	VY021720.D	03/31/2025
T1	Q1675-07	VY021721.D	03/31/2025
T2	Q1675-08	VY021722.D	03/31/2025
T4	Q1675-10	VY021724.D	03/31/2025
T5	Q1675-11	VY021725.D	03/31/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0401SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1675

SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021732.D

Lab Sample ID: VY0401SBL01

Date Analyzed: 04/01/2025

Time Analyzed: 10:52

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
VY0401SBS01	VY0401SBS01	VY021733.D	04/01/2025
T3	Q1675-09	VY021737.D	04/01/2025
T6	Q1675-12	VY021738.D	04/01/2025

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: GENV01
Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
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



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
Lab File ID: VY021709.D BFB Injection Date: 03/31/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:37
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	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.1 (96.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021710.D	03/31/2025	10:08
VY0331SBL01	VY0331SBL01	VY021711.D	03/31/2025	11:04
VY0331SBS01	VY0331SBS01	VY021712.D	03/31/2025	11:43
VY0331SBSD01	VY0331SBSD01	VY021713.D	03/31/2025	12:06
P1	Q1675-01	VY021718.D	03/31/2025	14:38
P5	Q1675-05	VY021719.D	03/31/2025	15:01
P6	Q1675-06	VY021720.D	03/31/2025	15:25
T1	Q1675-07	VY021721.D	03/31/2025	15:48
T2	Q1675-08	VY021722.D	03/31/2025	16:11
T4	Q1675-10	VY021724.D	03/31/2025	16:58
T5	Q1675-11	VY021725.D	03/31/2025	17:22



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
Lab File ID: VY021730.D BFB Injection Date: 04/01/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:35
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	20.2
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	83.4
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	79.4 (95.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021731.D	04/01/2025	10:13
VY0401SBL01	VY0401SBL01	VY021732.D	04/01/2025	10:52
VY0401SBS01	VY0401SBS01	VY021733.D	04/01/2025	11:30
T3	Q1675-09	VY021737.D	04/01/2025	13:22
T6	Q1675-12	VY021738.D	04/01/2025	13:46

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
 Lab File ID: VY021710.D Date Analyzed: 03/31/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:08
 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	219865	7.71	330473	8.62	302464	11.41
UPPER LIMIT	439730	8.207	660946	9.116	604928	11.914
LOWER LIMIT	109933	7.207	165237	8.116	151232	10.914
EPA SAMPLE NO.						
P1	225152	7.71	422046	8.62	384322	11.41
P5	223306	7.71	416437	8.62	350907	11.41
P6	224475	7.71	430734	8.62	421727	11.41
T1	241201	7.71	454127	8.62	421197	11.41
T2	278328	7.71	508216	8.61	512218	11.41
T4	303922	7.71	578602	8.62	553448	11.41
T5	300228	7.71	564649	8.62	539474	11.41
VY0331SBL01	226309	7.71	422899	8.62	372547	11.42
VY0331SBS01	209979	7.71	327567	8.62	291569	11.41
VY0331SBSD01	214172	7.71	331290	8.62	291157	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: GENV01
 Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
 Lab File ID: VY021710.D Date Analyzed: 03/31/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:08
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	152394	13.347				
UPPER LIMIT	304788	13.847				
LOWER LIMIT	76197	12.847				
EPA SAMPLE NO.						
P1	151796	13.35				
P5	108429	13.35				
P6	189318	13.35				
T1	185708	13.35				
T2	256507	13.35				
T4	250658	13.35				
T5	244186	13.35				
VY0331SBL01	140307	13.35				
VY0331SBS01	145397	13.35				
VY0331SBSD01	150013	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: GENV01
Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
Lab File ID: VY021731.D Date Analyzed: 04/01/2025
Instrument ID: MSVOA_Y Time Analyzed: 10:13
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	267136	7.71	417982	8.62	368359	11.41
UPPER LIMIT	534272	8.207	835964	9.115	736718	11.914
LOWER LIMIT	133568	7.207	208991	8.115	184180	10.914
EPA SAMPLE NO.						
T3	259184	7.71	488873	8.62	462972	11.41
T6	250737	7.71	486743	8.62	457044	11.41
VY0401SBL01	281152	7.71	519589	8.61	477574	11.41
VY0401SBS01	262284	7.71	407591	8.62	358349	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: GENV01
 Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675
 Lab File ID: VY021731.D Date Analyzed: 04/01/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:13
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	185609	13.346				
UPPER LIMIT	371218	13.846				
LOWER LIMIT	92804.5	12.846				
EPA SAMPLE NO.						
T3	201176	13.35				
T6	197804	13.35				
VY0401SBL01	199303	13.35				
VY0401SBS01	179014	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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.79	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.4	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.10	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.83	U	0.83	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (38) - 130 (136)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.713			
540-36-3	1,4-Difluorobenzene	422000	8.615			
3114-55-4	Chlorobenzene-d5	384000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			



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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021718.D
 Acq On : 31 Mar 2025 14:38
 Operator : SY/MD
 Sample : Q1675-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P1

Quant Time: Apr 01 05:37:13 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	225152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	422046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151796	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	135238	55.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.880%
35) Dibromofluoromethane	7.634	113	142437	52.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.060%
50) Toluene-d8	10.109	98	510650	49.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.407	95	158668	45.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.080%

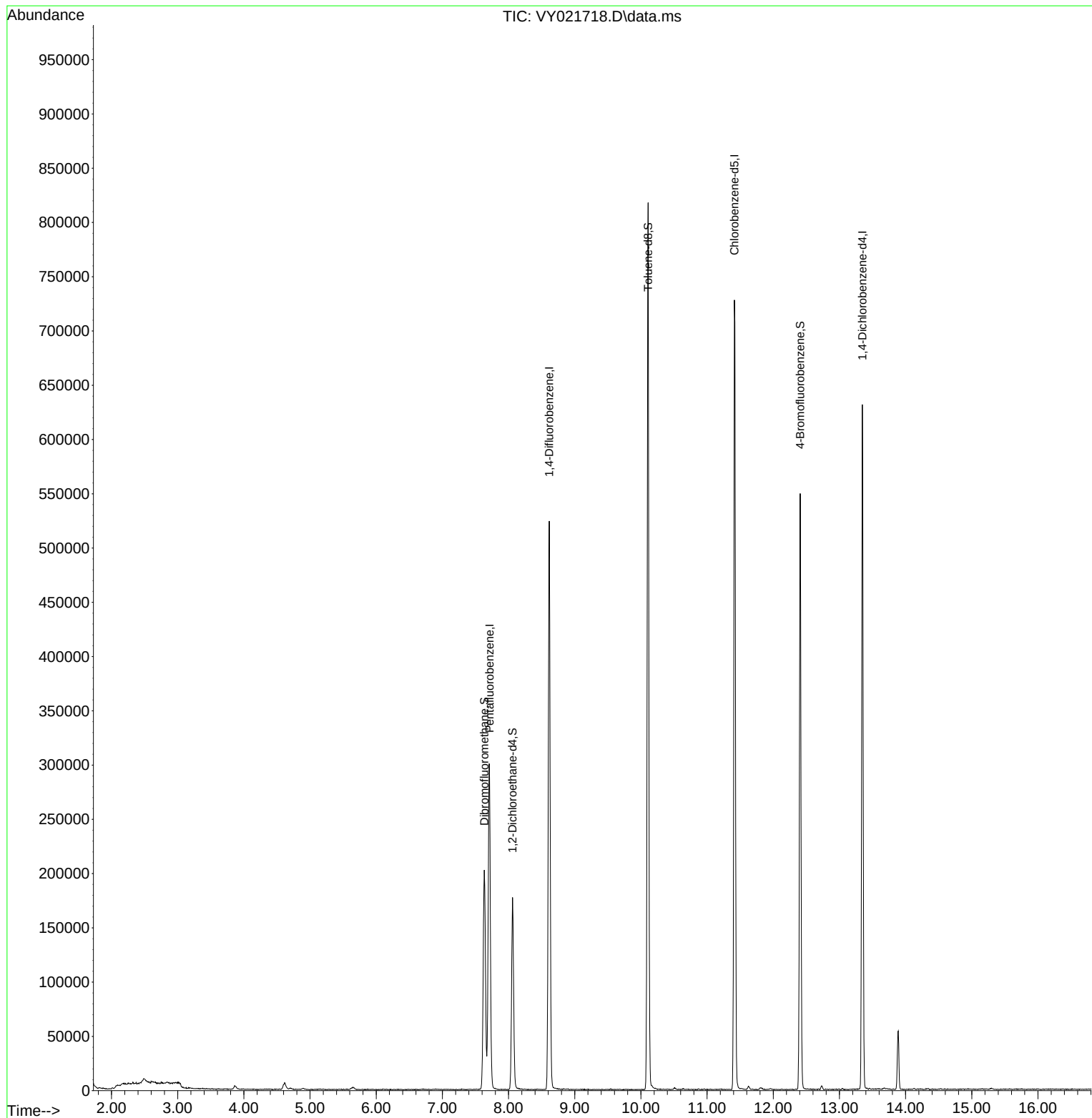
Target Compounds	Qvalue

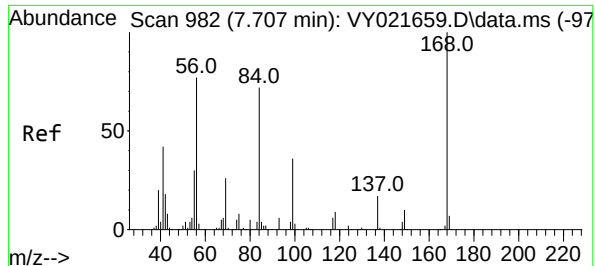
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Time: Apr 01 05:37:13 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

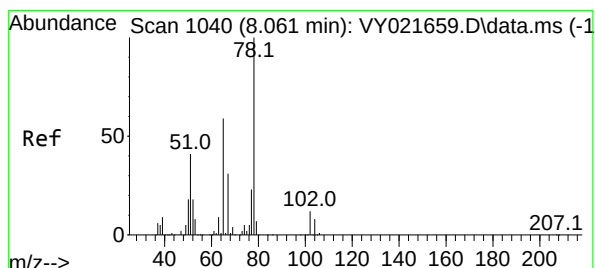
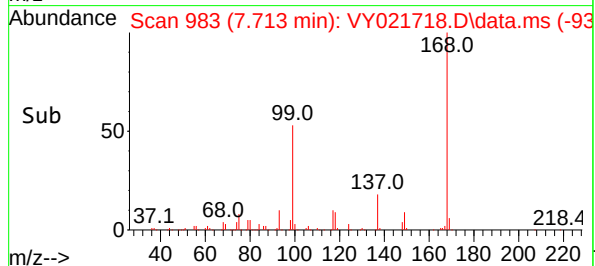
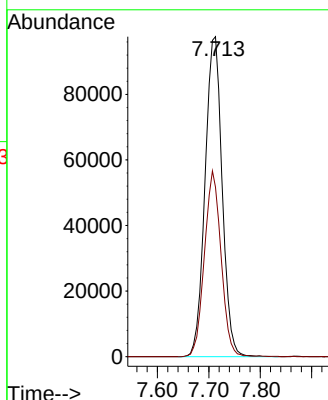
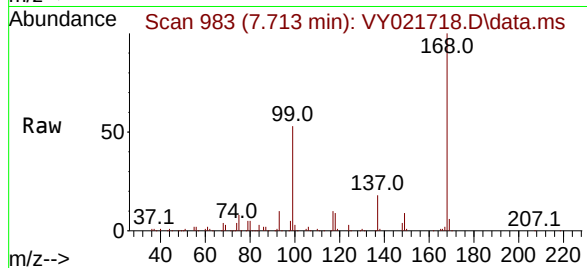




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

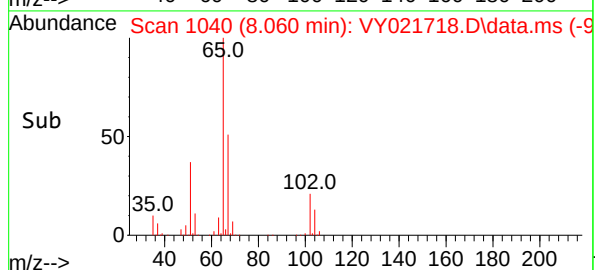
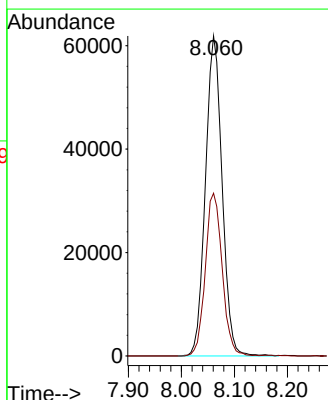
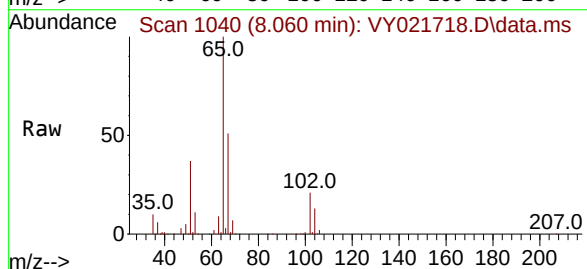
Instrument :
MSVOA_Y
ClientSampleId :
P1

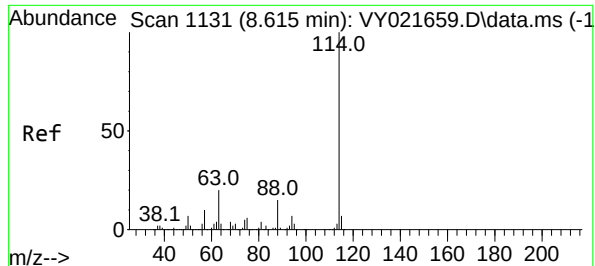
Tgt Ion:168 Resp: 225152
Ion Ratio Lower Upper
168 100
99 53.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.438 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 65 Resp: 135238
Ion Ratio Lower Upper
65 100
67 51.5 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: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

P1

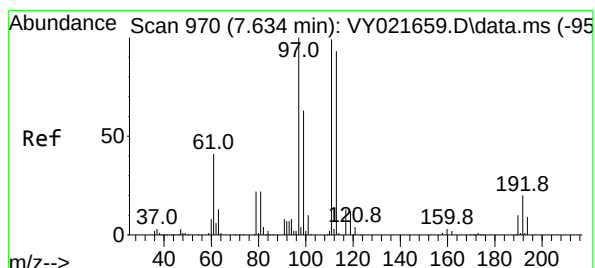
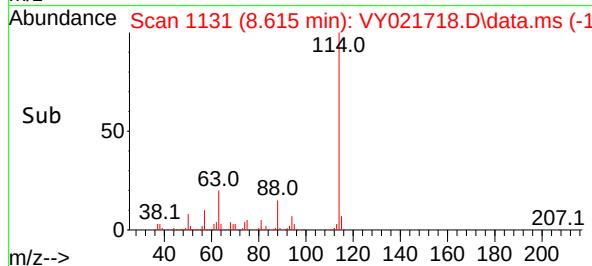
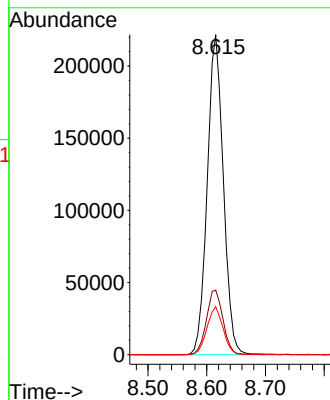
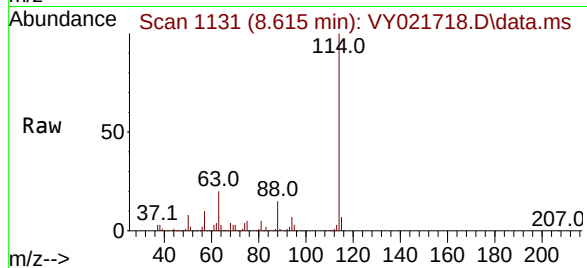
Tgt Ion:114 Resp: 422046

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.027 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

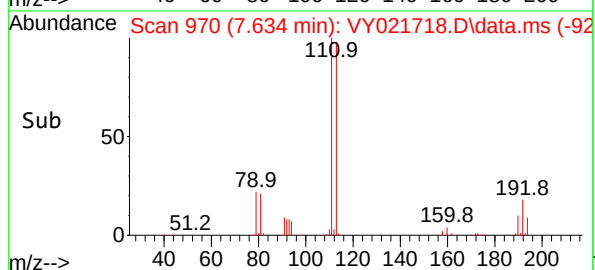
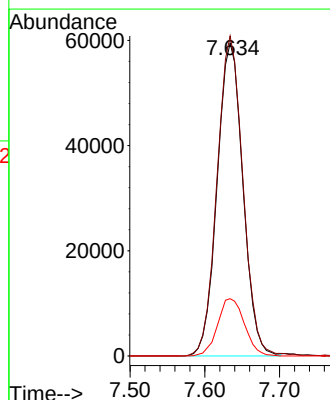
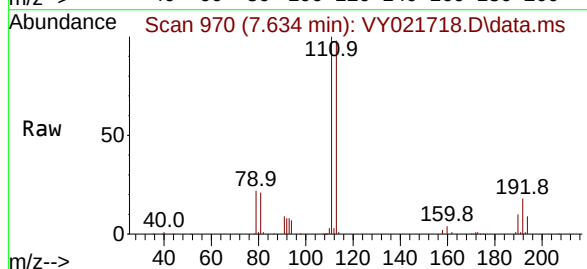
Tgt Ion:113 Resp: 142437

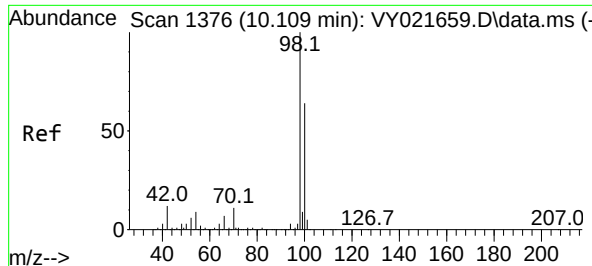
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 19.1 16.2 24.4





#50

Toluene-d8

Concen: 49.029 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

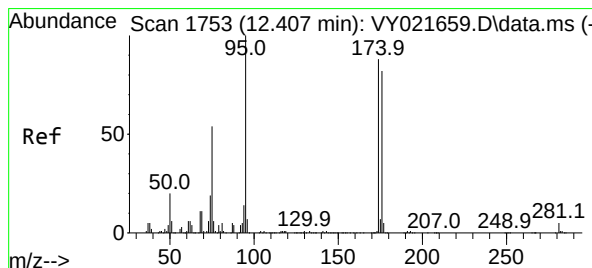
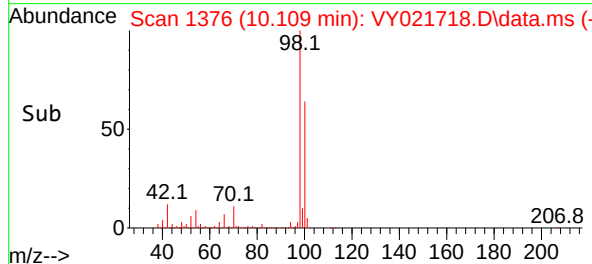
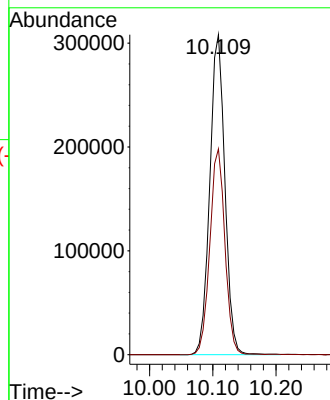
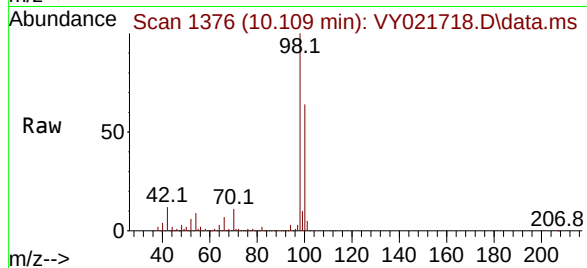
P1

Tgt Ion: 98 Resp: 510650

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.039 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

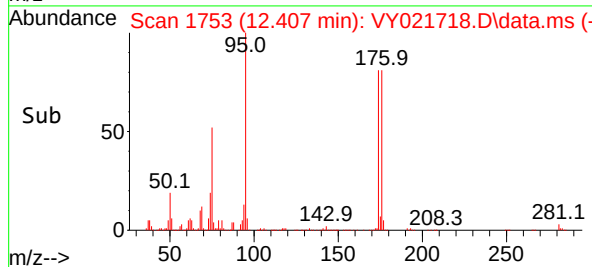
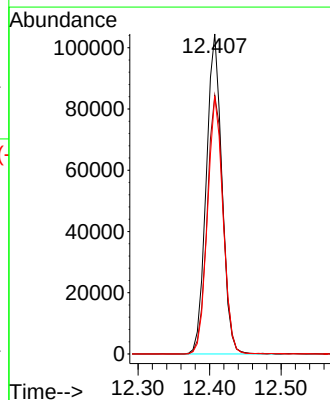
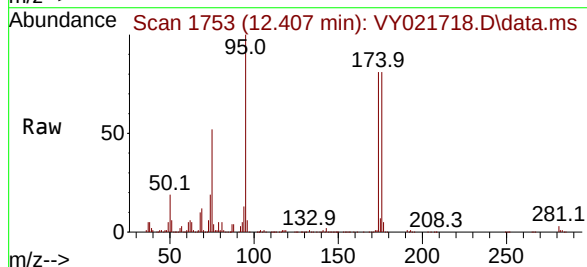
Tgt Ion: 95 Resp: 158668

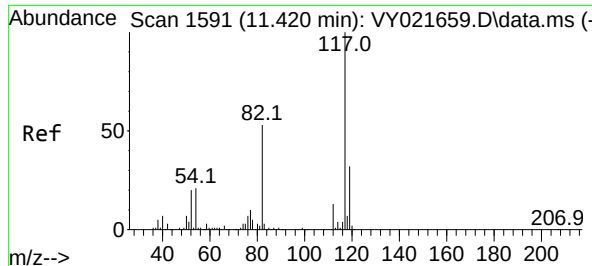
Ion Ratio Lower Upper

95 100

174 83.3 0.0 170.8

176 79.6 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: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

P1

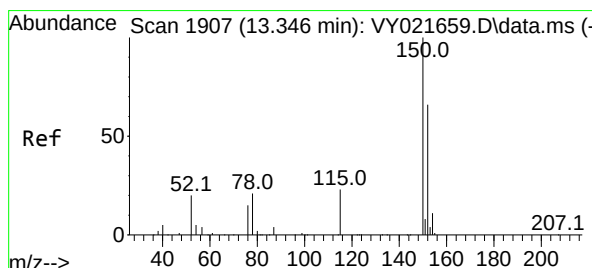
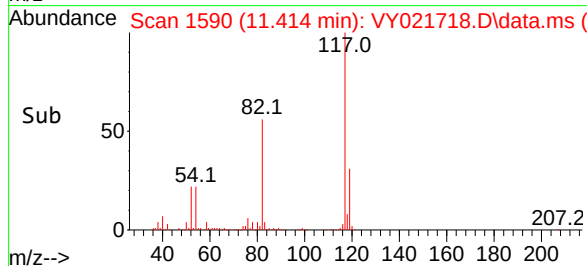
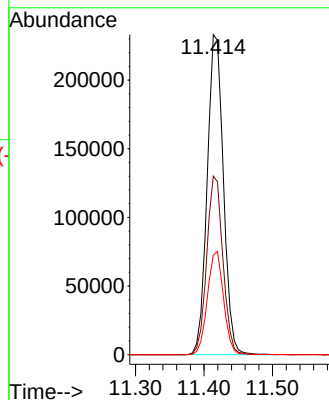
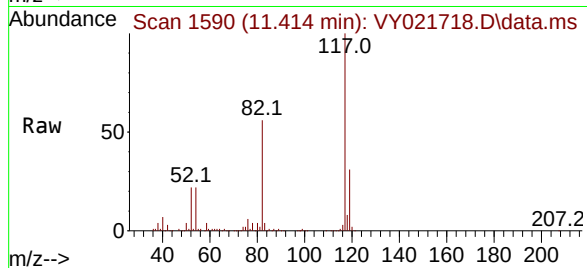
Tgt Ion:117 Resp: 384322

Ion Ratio Lower Upper

117 100

82 55.8 42.8 64.2

119 31.1 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: VY021718.D

Acq: 31 Mar 2025 14:38

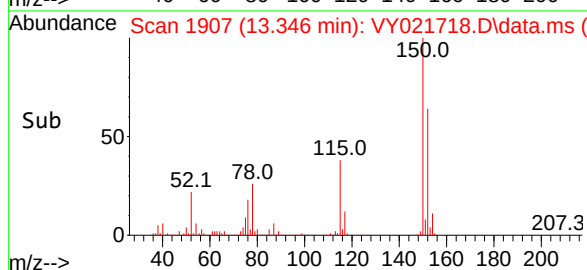
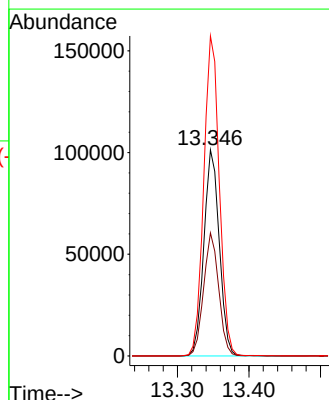
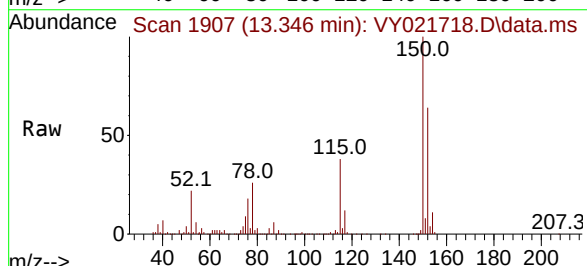
Tgt Ion:152 Resp: 151796

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.6 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021718.D
 Acq On : 31 Mar 2025 14:38
 Operator : SY/MD
 Sample : Q1675-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.488	119	126	134	rBV	4007	13965	1.02%	0.198%
2	4.616	466	475	485	rBV3	6315	18440	1.35%	0.261%
3	7.634	955	970	976	rBV	202362	485803	35.45%	6.871%
4	7.707	976	982	996	rVB	299589	681948	49.76%	9.645%
5	8.060	1030	1040	1052	rBV	177184	381881	27.86%	5.401%
6	8.615	1122	1131	1144	rBV	523561	1005200	73.34%	14.217%
7	10.109	1367	1376	1384	rBV	817336	1370519	100.00%	19.383%
8	11.414	1583	1590	1604	rBV	727704	1204691	87.90%	17.038%
9	12.407	1744	1753	1765	rBV	549252	869922	63.47%	12.303%
10	13.346	1896	1907	1917	rBV	631178	948902	69.24%	13.420%
11	13.889	1987	1996	2003	rBV2	53877	89340	6.52%	1.264%

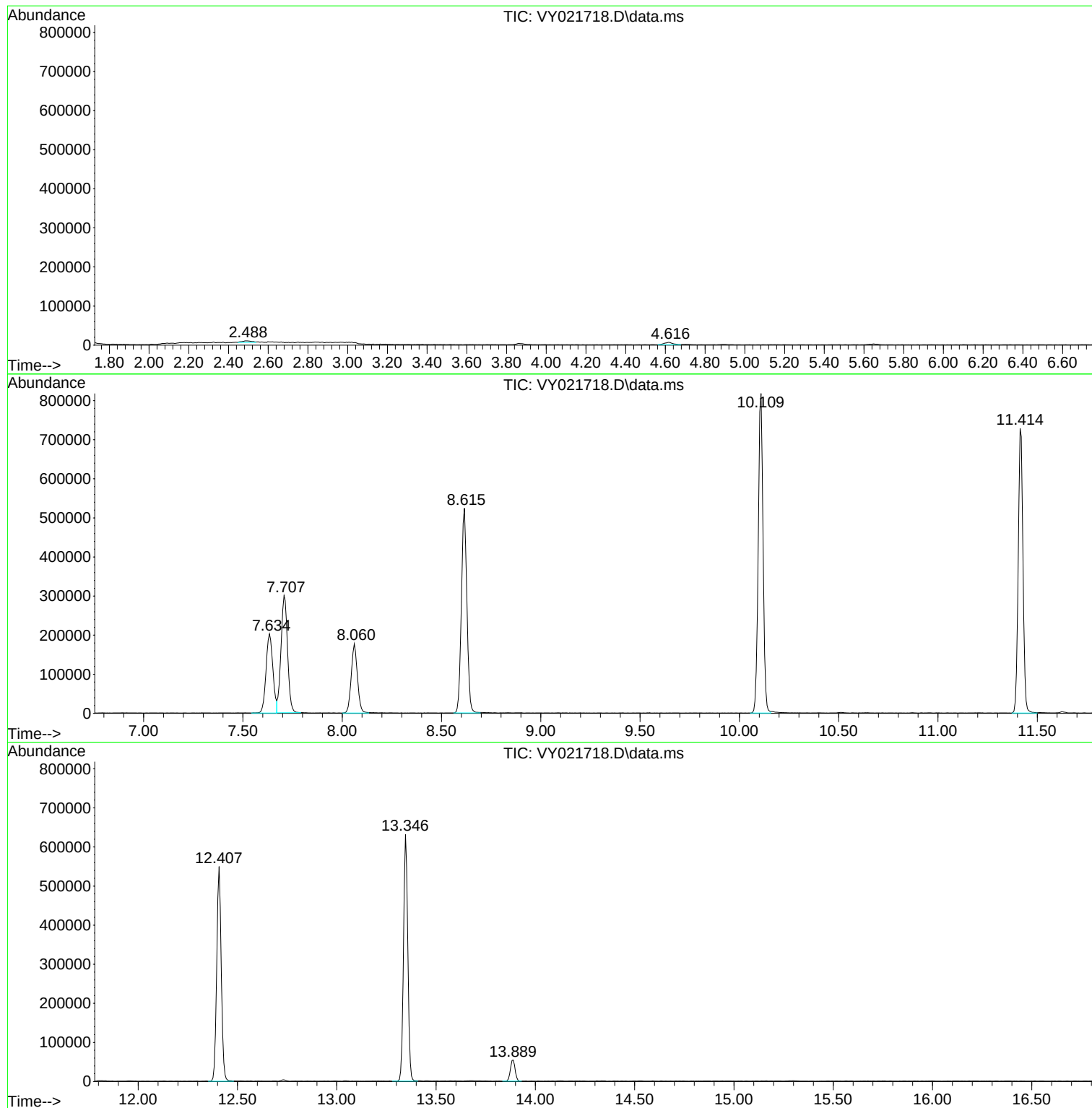
Sum of corrected areas: 7070611

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-05		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.1	
Sample Wt/Vol:	4.91	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	5.20	U	5.20	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.81	U	0.81	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.90	U	0.90	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	27.6	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.69	U	0.69	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.6	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.1	ug/Kg
95-47-6	o-Xylene	0.91	U	0.91	5.50	ug/Kg
100-42-5	Styrene	0.79	U	0.79	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.1	70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2	70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.8	70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.9	70 (38) - 130 (136)	76%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	223000	7.707
540-36-3	1,4-Difluorobenzene	416000	8.616
3114-55-4	Chlorobenzene-d5	351000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	28.9	J		16.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021719.D
 Acq On : 31 Mar 2025 15:01
 Operator : SY/MD
 Sample : Q1675-05
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P5

Quant Time: Apr 01 05:37:33 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	223306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108429	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126112	52.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.240%
35) Dibromofluoromethane	7.634	113	138218	51.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.340%
50) Toluene-d8	10.109	98	501186	48.769	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.408	95	131805	37.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.840%

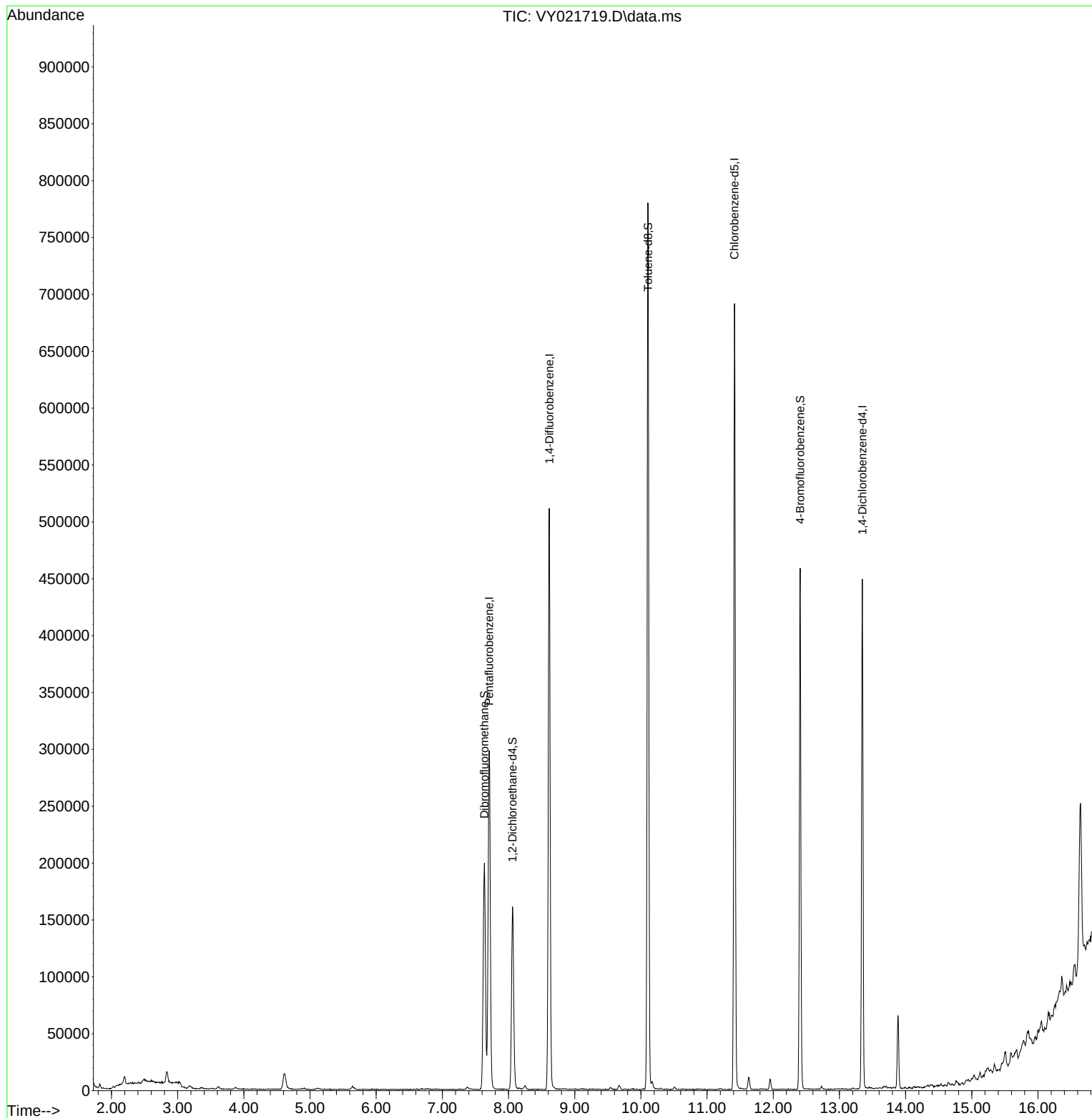
Target Compounds	Qvalue

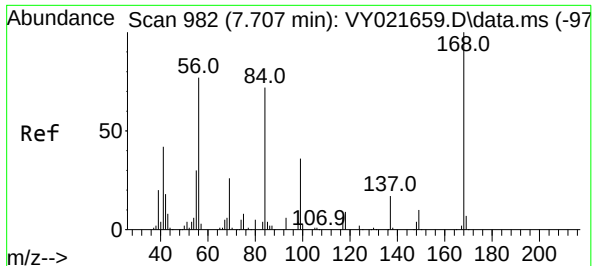
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Apr 01 05:37:33 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

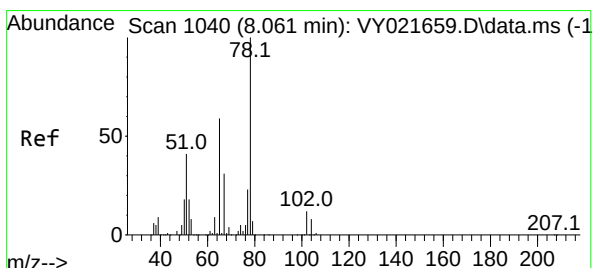
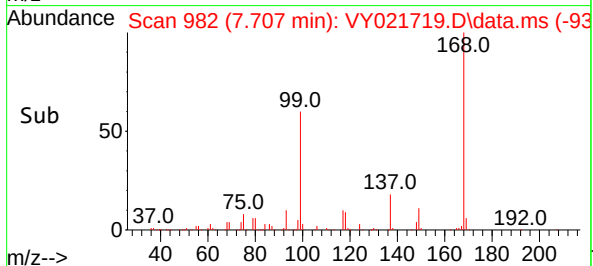
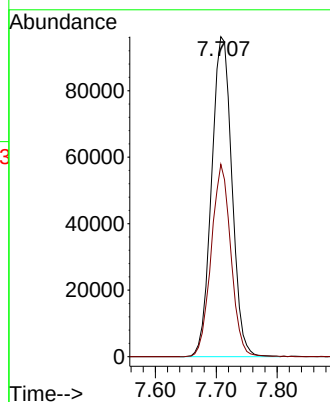
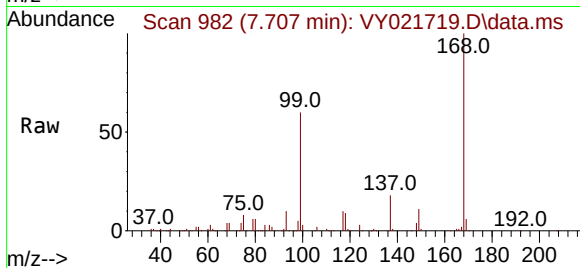




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

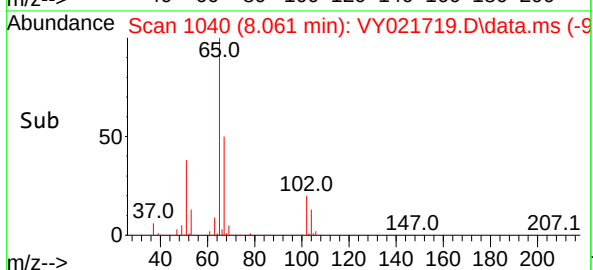
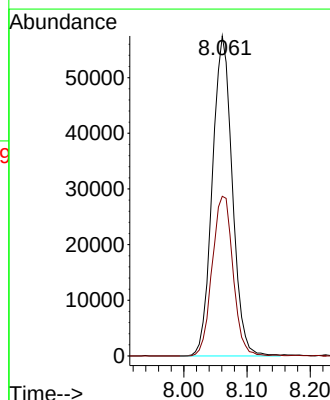
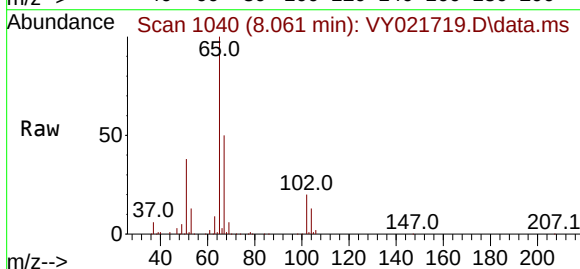
Instrument :
MSVOA_Y
ClientSampleId :
P5

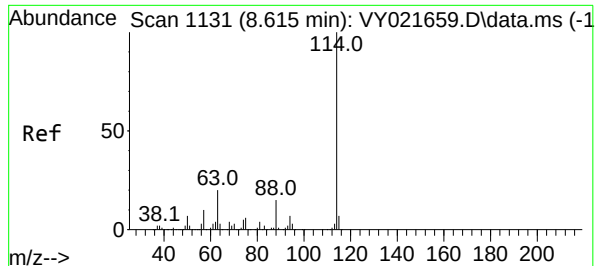
Tgt Ion:168 Resp: 223306
Ion Ratio Lower Upper
168 100
99 60.1 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.124 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion: 65 Resp: 126112
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: VY021719.D

Acq: 31 Mar 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

P5

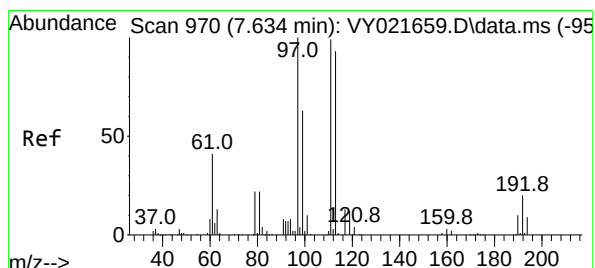
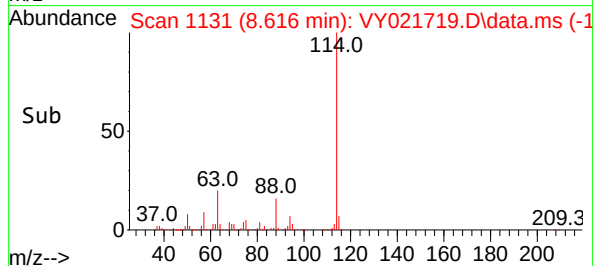
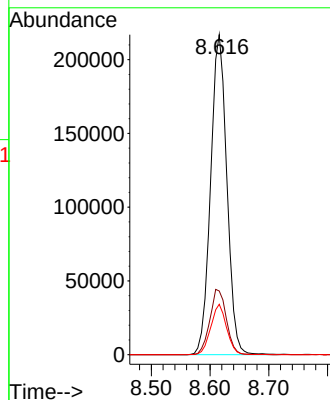
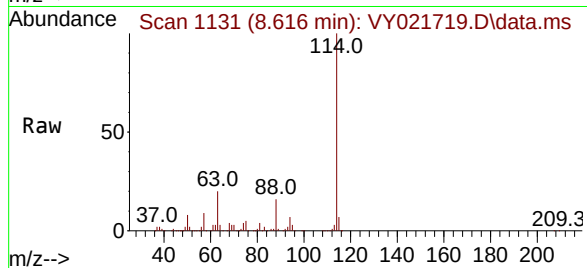
Tgt Ion:114 Resp: 416437

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.166 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021719.D

Acq: 31 Mar 2025 15:01

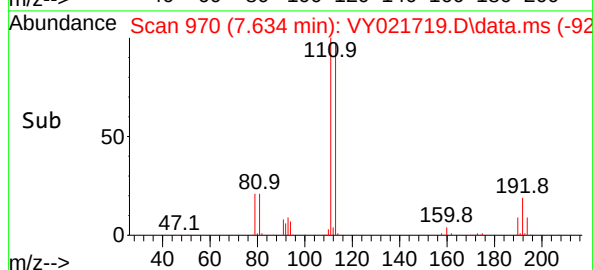
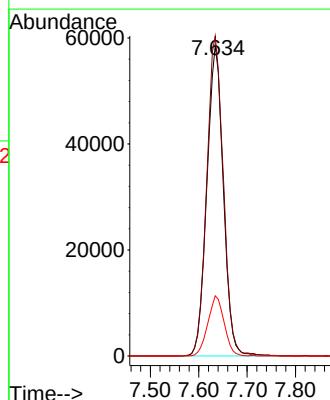
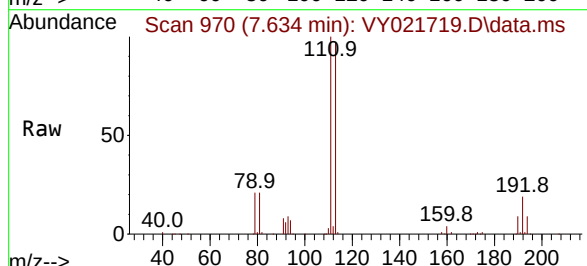
Tgt Ion:113 Resp: 138218

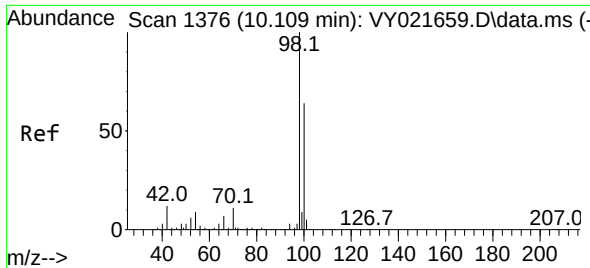
Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 19.2 16.2 24.4

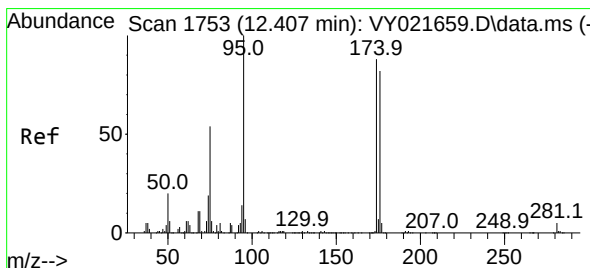
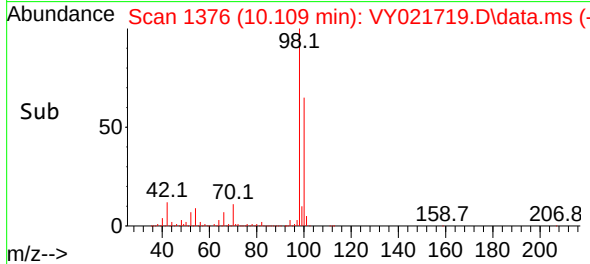
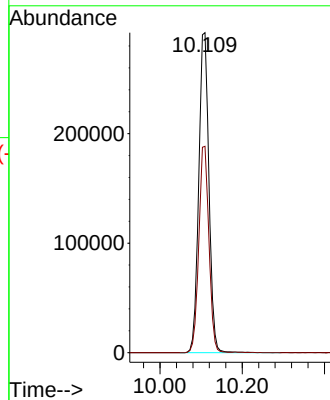
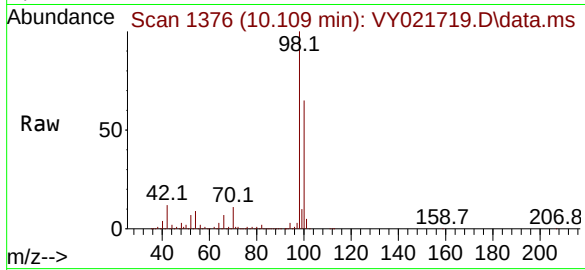




#50
Toluene-d8
Concen: 48.769 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

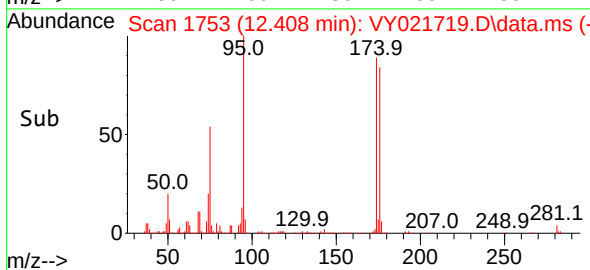
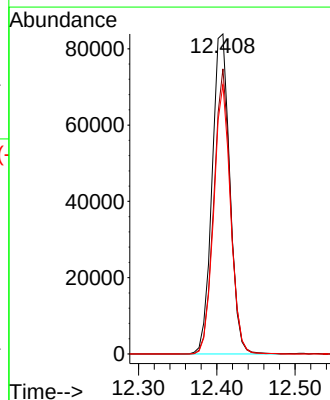
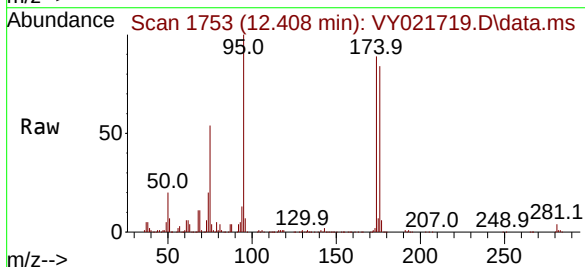
Instrument :
MSVOA_Y
ClientSampleId :
P5

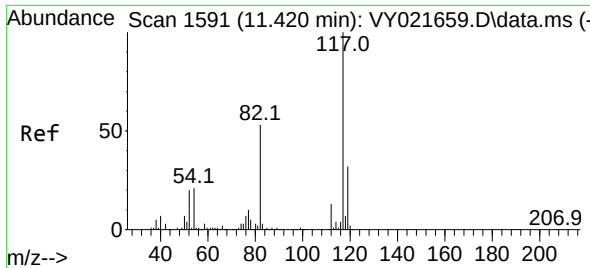
Tgt Ion: 98 Resp: 501186
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.918 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion: 95 Resp: 131805
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 79.9 0.0 162.0

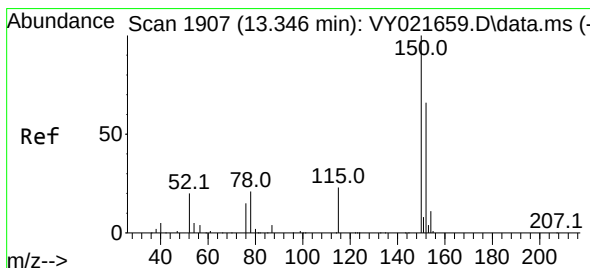
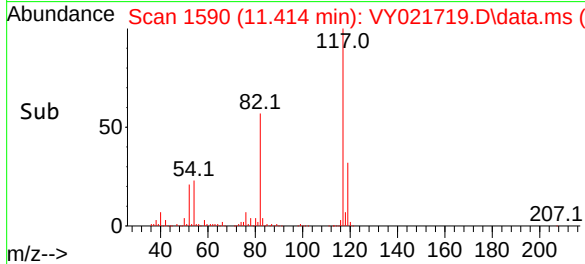
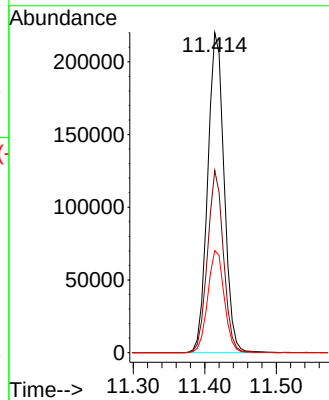
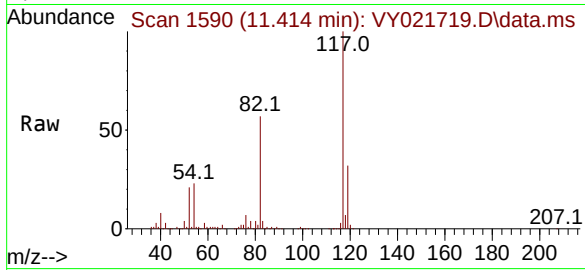




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

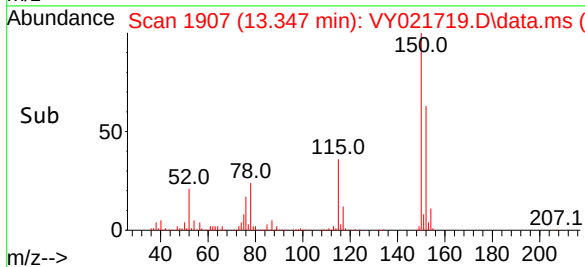
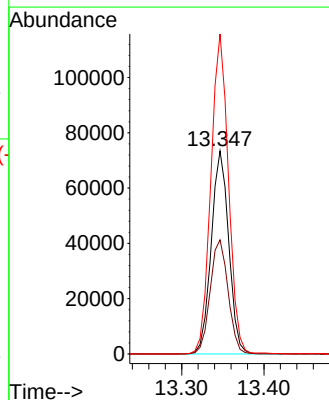
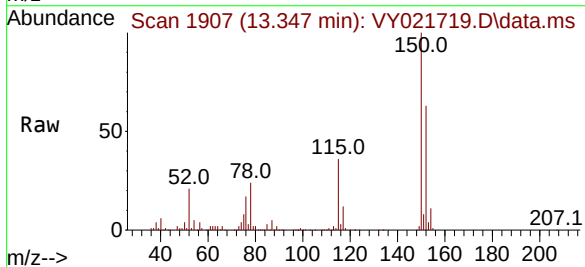
Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	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: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	158.4	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021719.D
 Acq On : 31 Mar 2025 15:01
 Operator : SY/MD
 Sample : Q1675-05
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021719.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.836	178	183	188	rBV3	9155	18231	1.36%	0.261%
2	4.616	464	475	482	rBV2	13936	43228	3.22%	0.618%
3	7.634	958	970	976	rBV	199111	474842	35.43%	6.790%
4	7.707	976	982	998	rVB	297761	681408	50.84%	9.744%
5	8.061	1029	1040	1052	rBV	160679	363231	27.10%	5.194%
6	8.616	1119	1131	1147	rBV	511164	998708	74.51%	14.281%
7	10.103	1367	1375	1383	rBV	779519	1340409	100.00%	19.167%
8	11.414	1583	1590	1604	rBV	690926	1107955	82.66%	15.843%
9	11.627	1619	1625	1633	rVB3	10728	20864	1.56%	0.298%
10	11.950	1673	1678	1684	rVB	9231	15807	1.18%	0.226%
11	12.408	1744	1753	1764	rBV	458363	724756	54.07%	10.363%
12	13.347	1898	1907	1915	rBV	448193	678030	50.58%	9.695%
13	13.883	1989	1995	2002	rVB2	63615	105483	7.87%	1.508%
14	15.511	2249	2262	2268	rBV2	15046	50096	3.74%	0.716%
15	15.590	2272	2275	2279	rBV6	8741	15919	1.19%	0.228%
16	16.645	2441	2448	2456	rBV3	136087	354466	26.44%	5.069%

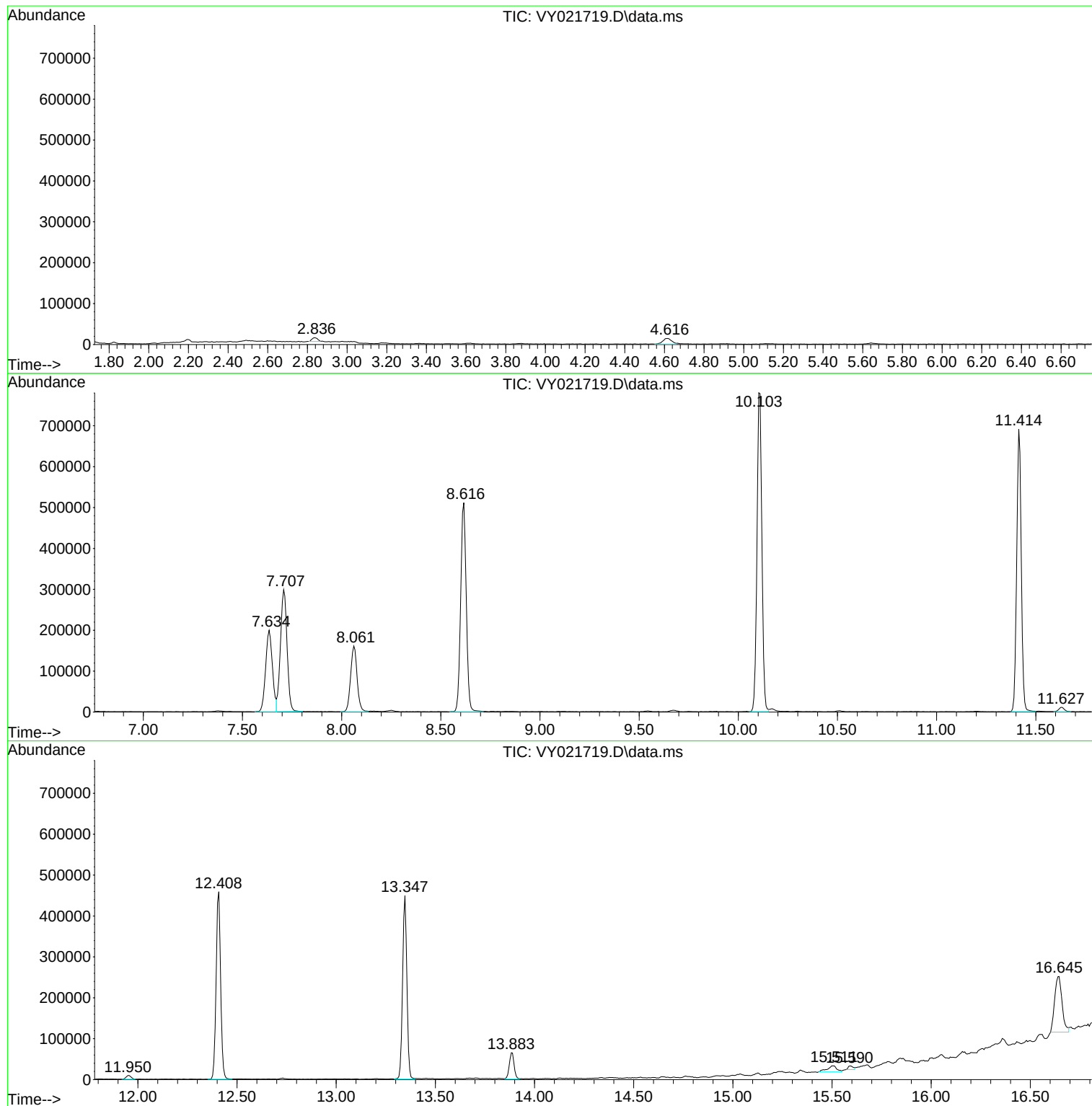
Sum of corrected areas: 6993433

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/soil/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

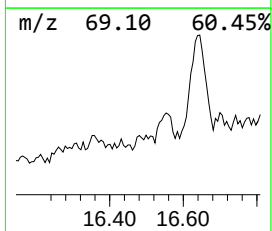
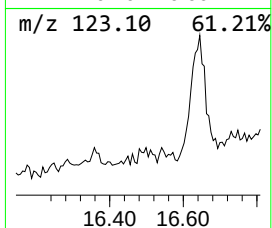
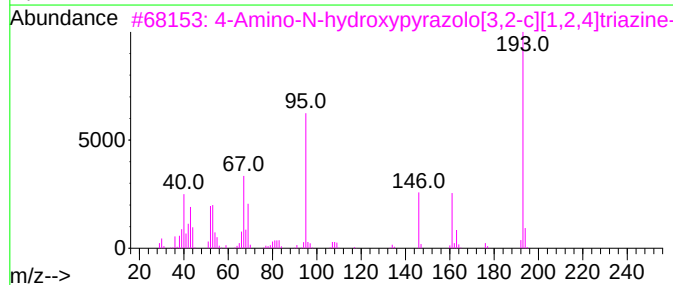
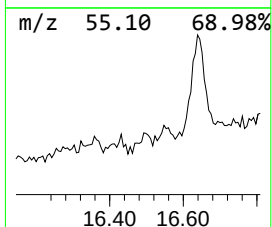
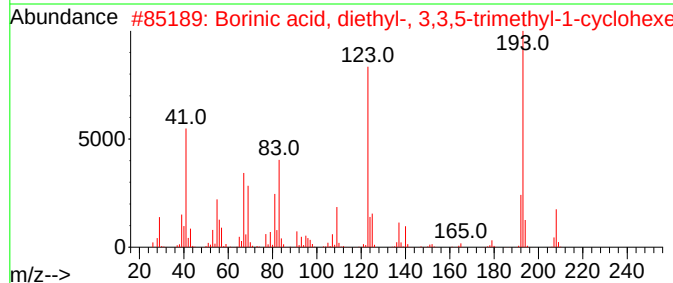
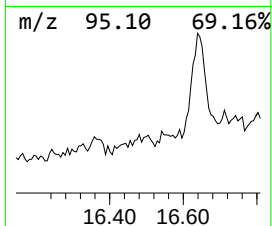
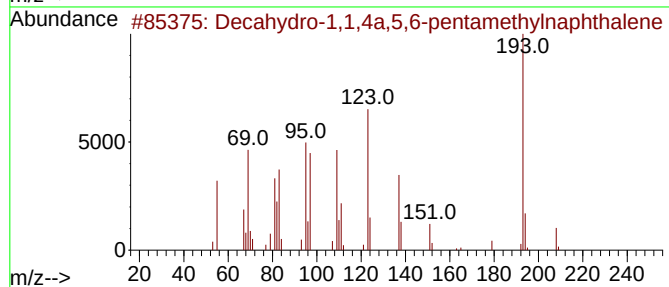
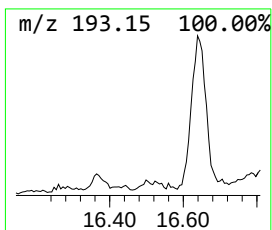
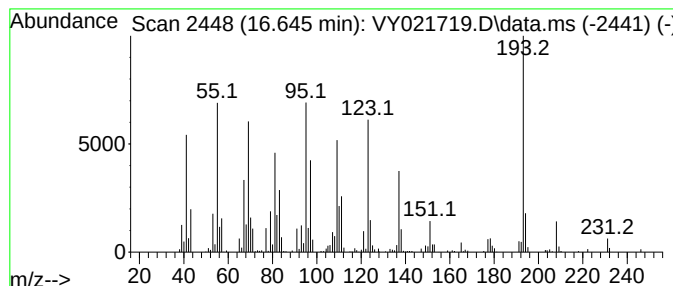
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 2 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	26.14 ug/l	354466	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	98
2			Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	43
3			4-Amino-N-hydroxypyrazolo[3,2-c]...	193	C6H7N7O	1000443-50-2	30
4			Benzenamine, 4-(hexyloxy)-	193	C12H19NO	039905-57-2	22
5			4-Isopropylphenol, TMS derivative	208	C12H20OSi	1000373-17-4	20



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Decahydro-1,1,4...	16.645	26.1	ug/l	354466	4	13.347	678030	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.30	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.30	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.30	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.30	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.30	U	1.30	6.30	ug/Kg
67-64-1	Acetone	6.00	U	6.00	31.6	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.92	U	0.92	6.30	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.30	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.30	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
110-82-7	Cyclohexane	1.00	U	1.00	6.30	ug/Kg
78-93-3	2-Butanone	8.30	U	8.30	31.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	6.30	ug/Kg
74-97-5	Bromochloromethane	1.50	U	1.50	6.30	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.30	ug/Kg
71-43-2	Benzene	1.00	U	1.00	6.30	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.30	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.30	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	6.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.6	ug/Kg
108-88-3	Toluene	0.98	U	0.98	6.30	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P6		SDG No.:	Q1675	
Lab Sample ID:	Q1675-06		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	95	
Sample Wt/Vol:	4.17	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.82	U	0.82	6.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.78	U	0.78	6.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	31.6	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.30	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.30	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.30	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.30	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	6.30	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	12.6	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.30	ug/Kg
100-42-5	Styrene	0.90	U	0.90	6.30	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.30	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	6.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	2.20	6.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	2.00	6.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (38) - 130 (136)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.707			
540-36-3	1,4-Difluorobenzene	431000	8.615			
3114-55-4	Chlorobenzene-d5	422000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.346			



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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021720.D
 Acq On : 31 Mar 2025 15:25
 Operator : SY/MD
 Sample : Q1675-06
 Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P6

Quant Time: Apr 01 05:37:57 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	224475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	430734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189318	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133957	55.078	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.160%
35) Dibromofluoromethane	7.634	113	141873	50.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.560%
50) Toluene-d8	10.103	98	547563	51.513	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.020%
62) 4-Bromofluorobenzene	12.401	95	199630	55.523	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.040%

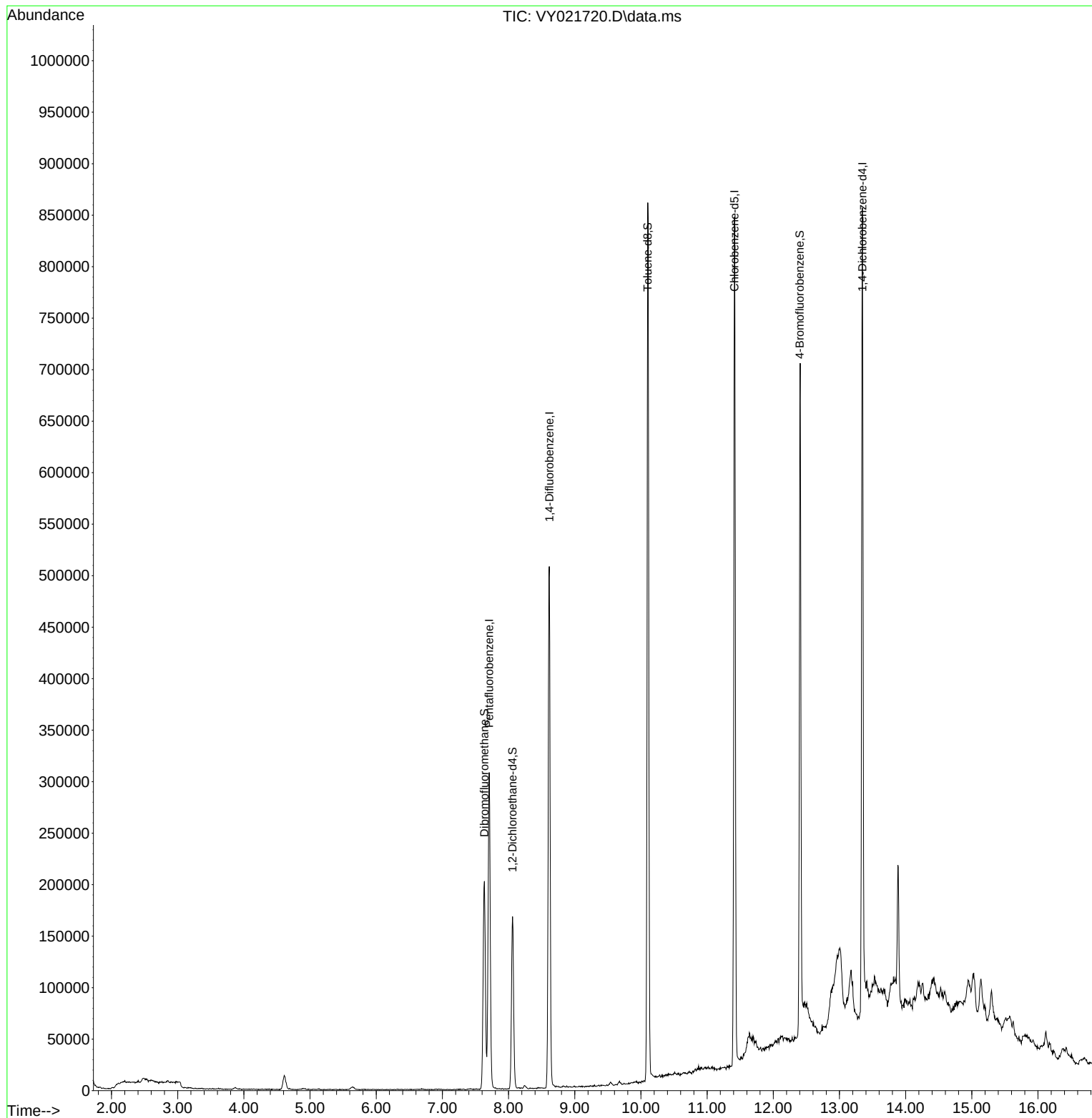
Target Compounds	Qvalue

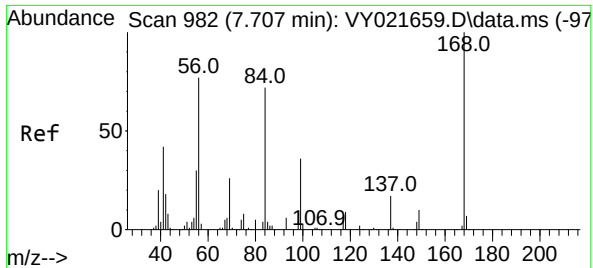
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Time: Apr 01 05:37:57 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

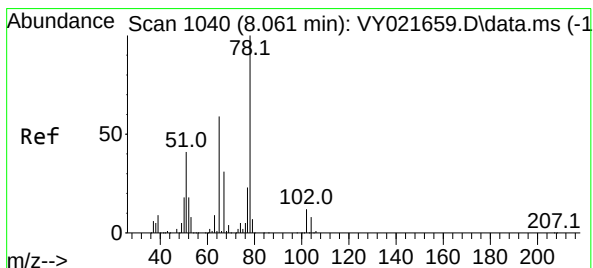
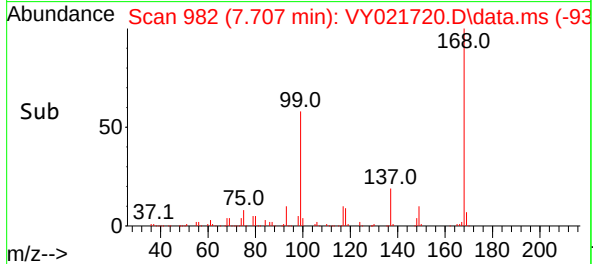
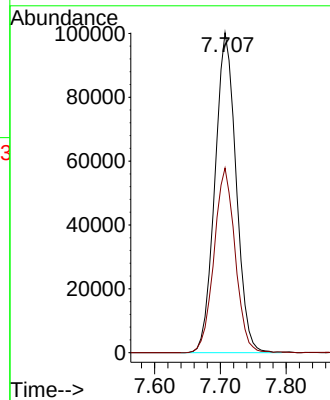
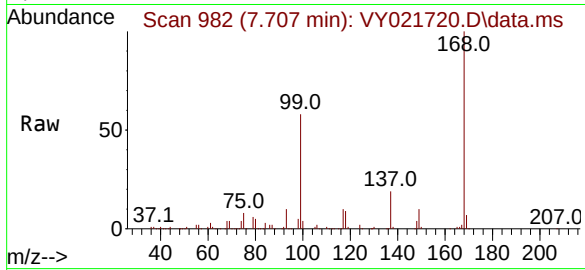




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

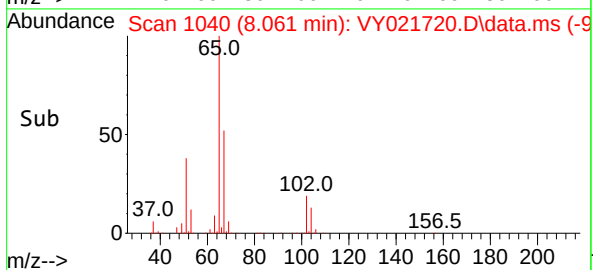
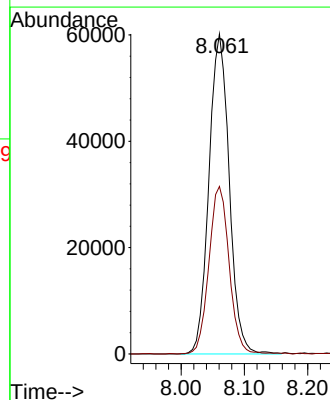
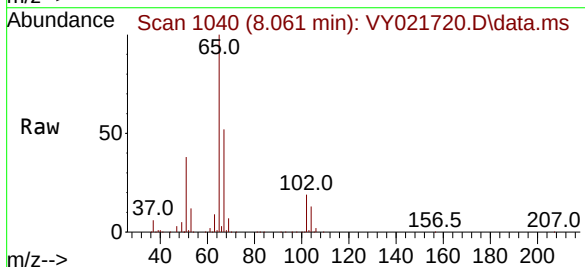
Instrument :
MSVOA_Y
ClientSampleId :
P6

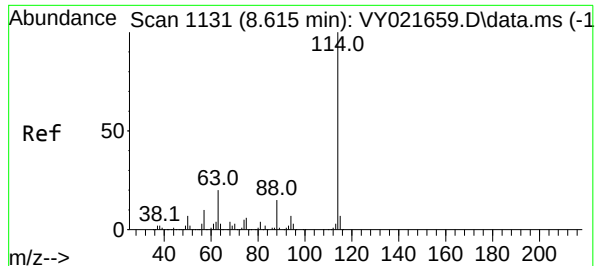
Tgt Ion:168 Resp: 224475
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.078 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 65 Resp: 133957
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: VY021720.D

Acq: 31 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

P6

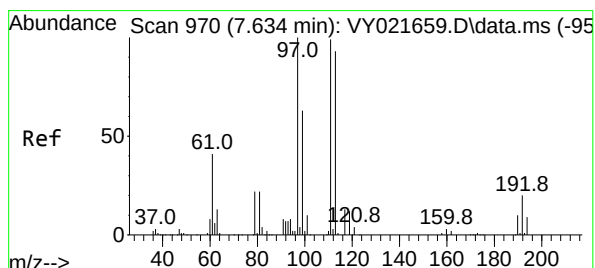
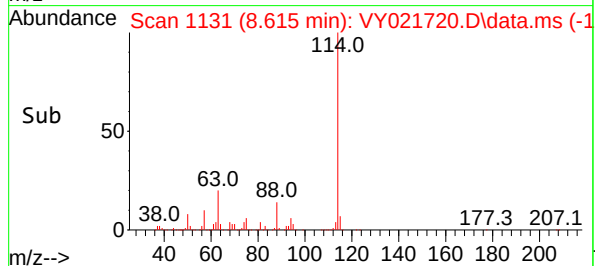
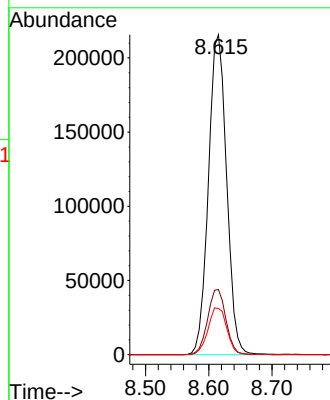
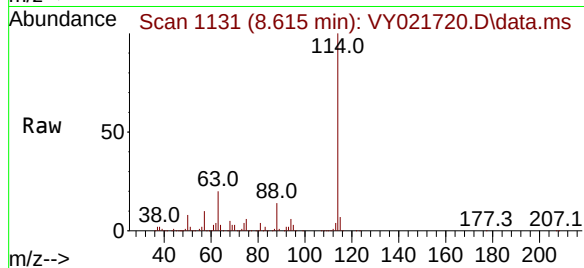
Tgt Ion:114 Resp: 430734

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.776 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021720.D

Acq: 31 Mar 2025 15:25

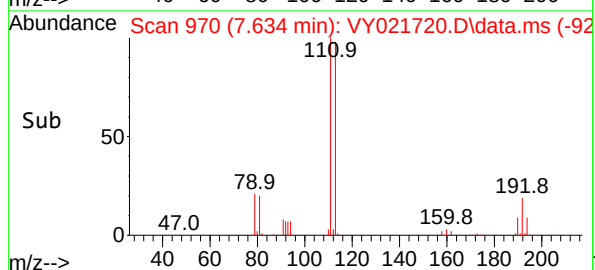
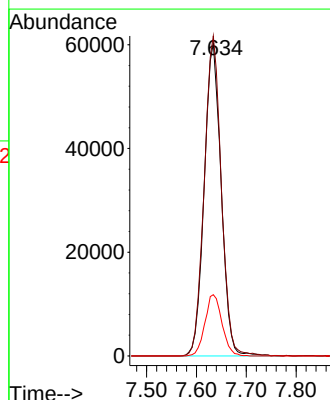
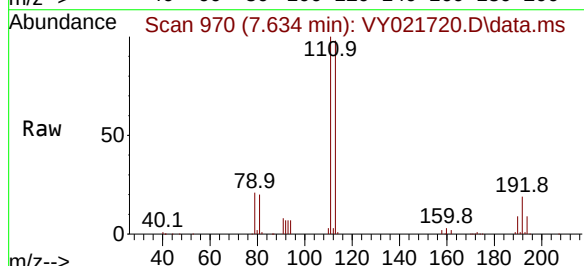
Tgt Ion:113 Resp: 141873

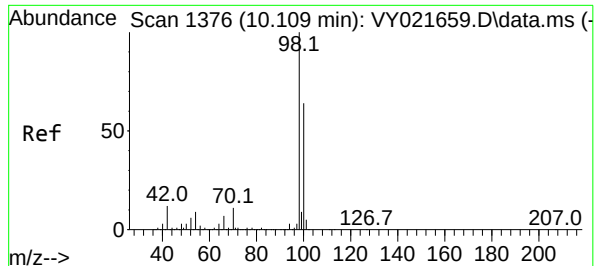
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 19.8 16.2 24.4

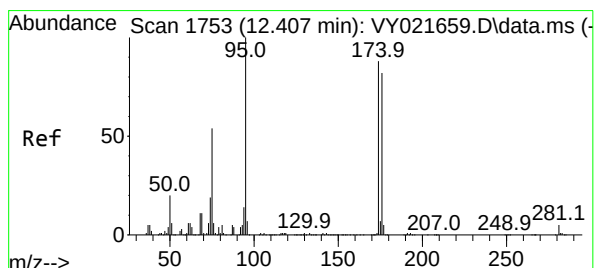
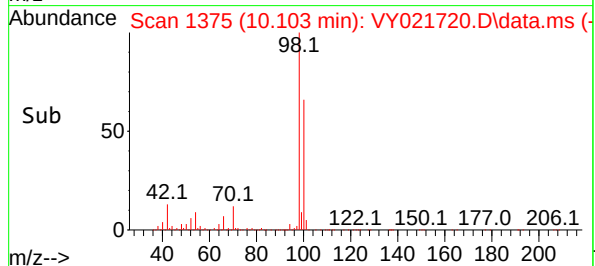
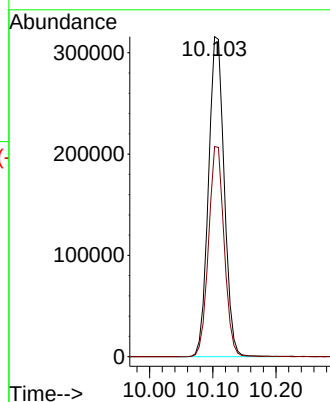
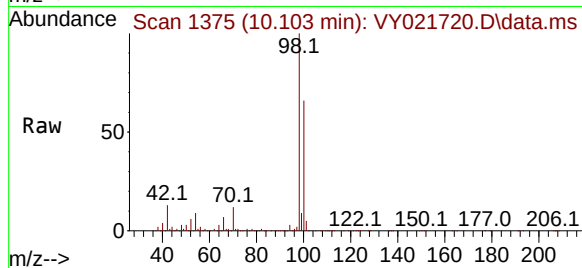




#50
Toluene-d8
Concen: 51.513 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

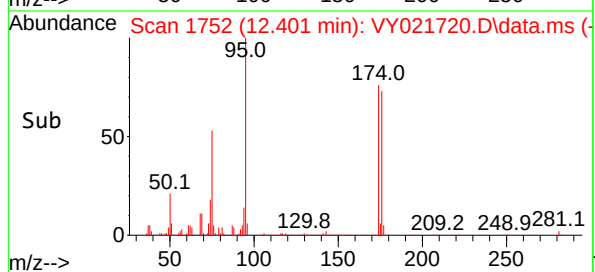
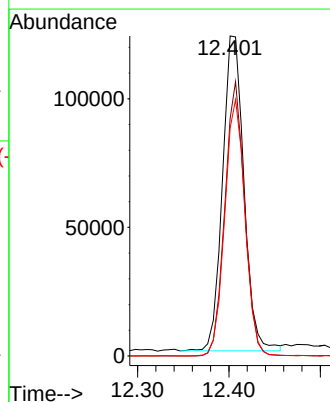
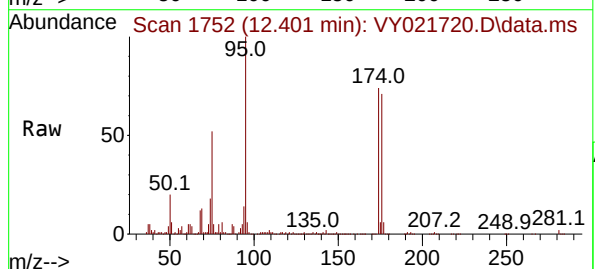
Instrument :
MSVOA_Y
ClientSampleId :
P6

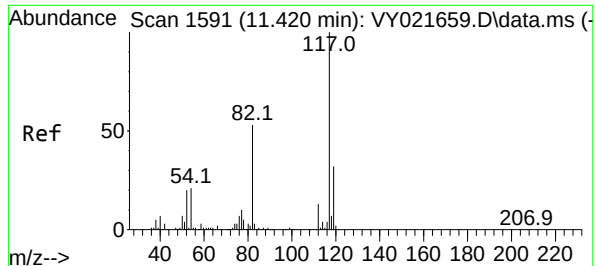
Tgt Ion: 98 Resp: 547563
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 55.523 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 95 Resp: 199630
Ion Ratio Lower Upper
95 100
174 80.8 0.0 170.8
176 77.0 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: VY021720.D

Acq: 31 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

P6

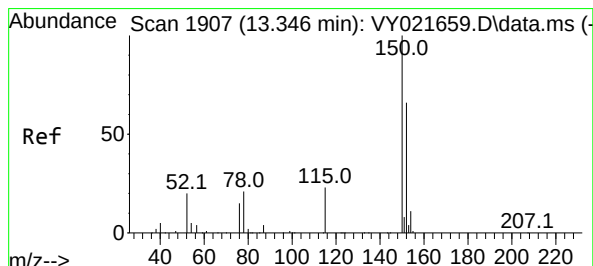
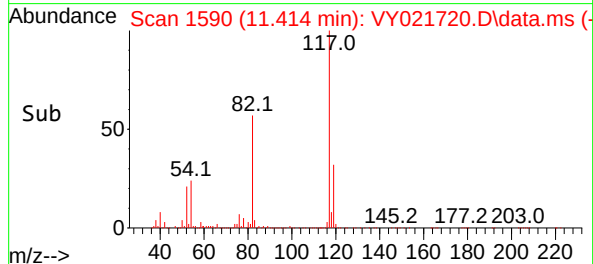
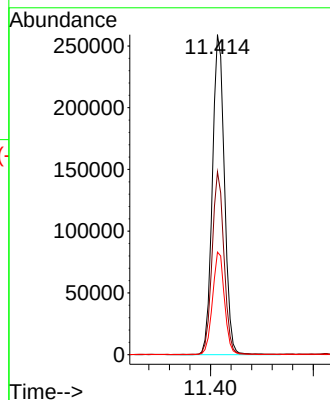
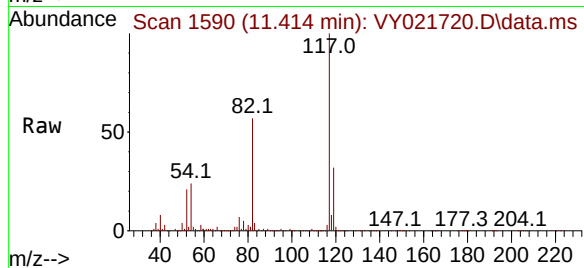
Tgt Ion:117 Resp: 421727

Ion Ratio Lower Upper

117 100

82 57.1 42.8 64.2

119 32.0 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: VY021720.D

Acq: 31 Mar 2025 15:25

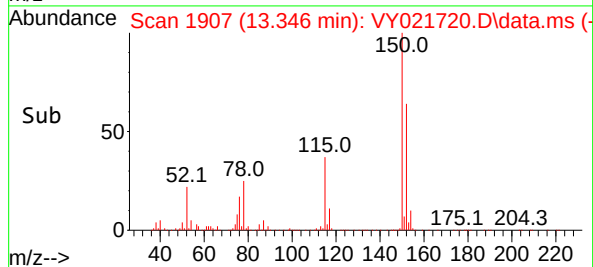
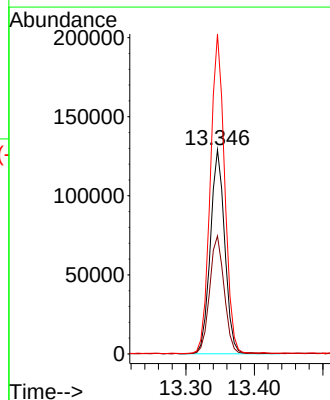
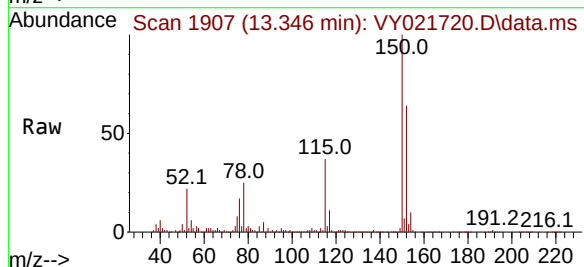
Tgt Ion:152 Resp: 189318

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.2 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	466	474	485	rVB2	13173	38727	2.61%	0.482%
2	7.634	958	970	976	rBV	202163	489029	33.00%	6.088%
3	7.707	976	982	996	rVB	306826	683188	46.10%	8.505%
4	8.061	1031	1040	1052	rBV	167460	379113	25.58%	4.719%
5	8.615	1121	1131	1141	rBV	506513	1026333	69.25%	12.776%
6	10.103	1368	1375	1383	rBV	853531	1482083	100.00%	18.450%
7	11.414	1583	1590	1601	rBV	824717	1344846	90.74%	16.741%
8	12.407	1747	1753	1760	rBV	651974	1083714	73.12%	13.491%
9	13.346	1901	1907	1914	rBV	781522	1206554	81.41%	15.020%
10	13.883	1991	1995	2002	rVB2	133512	232078	15.66%	2.889%
11	15.139	2196	2201	2208	rVB10	28737	67387	4.55%	0.839%

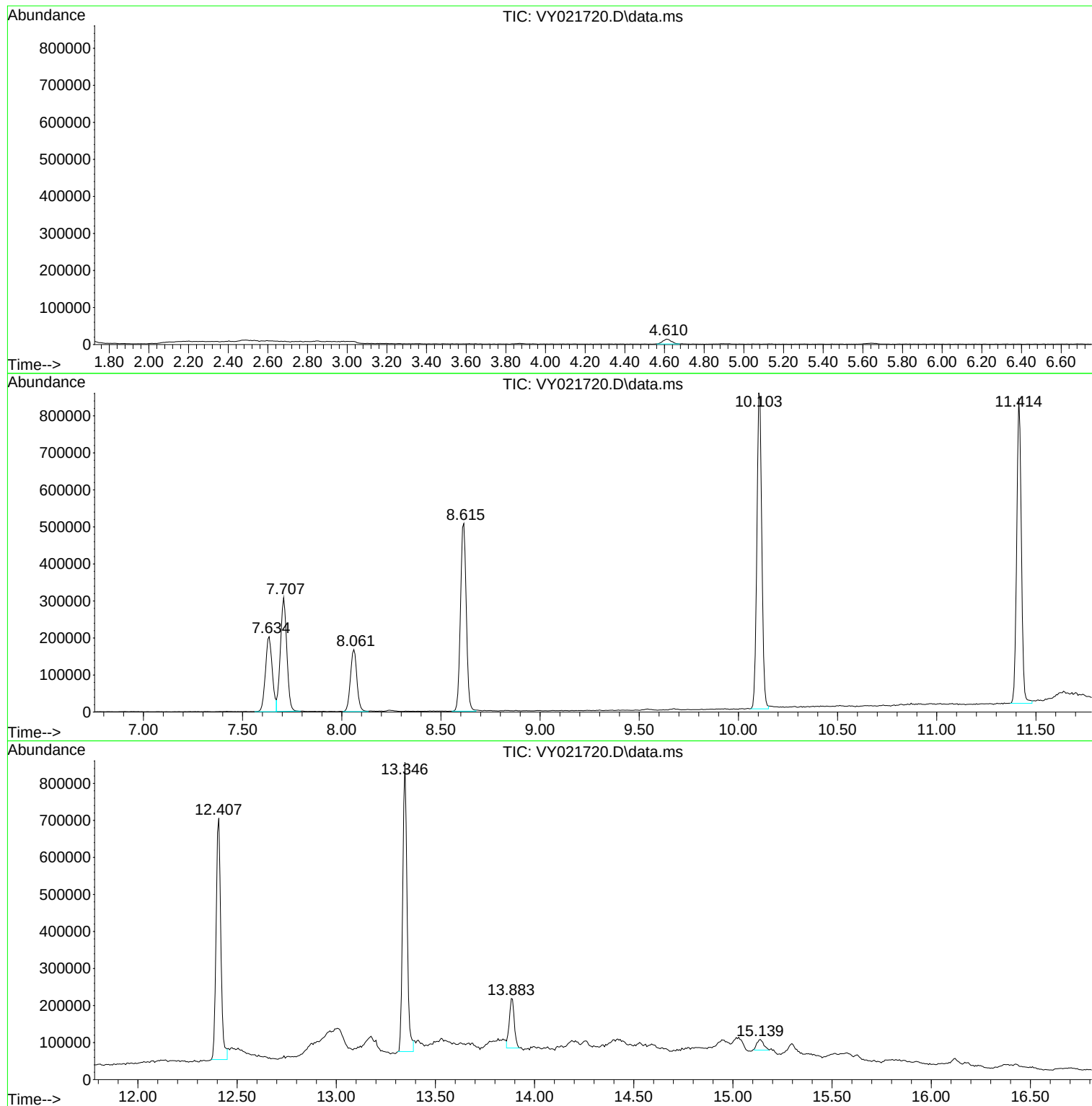
Sum of corrected areas: 8033052

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	T1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-07		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.8	
Sample Wt/Vol:	2.16	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.80	U	2.80	12.5	ug/Kg
74-87-3	Chloromethane	2.80	U	2.80	12.5	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	2.00	12.5	ug/Kg
74-83-9	Bromomethane	2.70	U	2.70	12.5	ug/Kg
75-00-3	Chloroethane	3.10	U	3.10	12.5	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	3.00	12.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.60	U	2.60	12.5	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	2.50	12.5	ug/Kg
67-64-1	Acetone	11.8	U	11.8	62.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	12.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	1.80	12.5	ug/Kg
79-20-9	Methyl Acetate	3.80	U	3.80	12.5	ug/Kg
75-09-2	Methylene Chloride	8.80	U	8.80	24.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	2.10	12.5	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	2.00	12.5	ug/Kg
110-82-7	Cyclohexane	2.00	U	2.00	12.5	ug/Kg
78-93-3	2-Butanone	16.3	U	16.3	62.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	2.40	12.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	1.90	12.5	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	12.5	ug/Kg
67-66-3	Chloroform	2.10	U	2.10	12.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	2.30	12.5	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	2.30	12.5	ug/Kg
71-43-2	Benzene	2.00	U	2.00	12.5	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	2.00	12.5	ug/Kg
79-01-6	Trichloroethene	2.00	U	2.00	12.5	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	2.30	12.5	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	1.90	12.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	8.90	62.4	ug/Kg
108-88-3	Toluene	1.90	U	1.90	12.5	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.60	U	1.60	12.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	1.50	12.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	12.5	ug/Kg
591-78-6	2-Hexanone	9.20	U	9.20	62.4	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	2.20	12.5	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	2.20	12.5	ug/Kg
127-18-4	Tetrachloroethene	2.60	U	2.60	12.5	ug/Kg
108-90-7	Chlorobenzene	2.30	U	2.30	12.5	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	1.70	12.5	ug/Kg
179601-23-1	m/p-Xylenes	3.10	U	3.10	24.9	ug/Kg
95-47-6	o-Xylene	2.00	U	2.00	12.5	ug/Kg
100-42-5	Styrene	1.80	U	1.80	12.5	ug/Kg
75-25-2	Bromoform	2.10	U	2.10	12.5	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	1.90	12.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	12.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.30	U	4.30	12.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.90	U	3.90	12.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.60	U	3.60	12.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	12.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.40	U	7.40	12.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.90	U	7.90	12.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (38) - 130 (136)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	454000	8.616			
3114-55-4	Chlorobenzene-d5	421000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.346			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown1.812	18.3	J		1.81	ug/Kg
1000382-54-5	Carbonic acid, tetradecyl vinyl es	26.8	J		13.2	ug/Kg
017301-28-9	Undecane, 3,6-dimethyl-	40.9	J		13.4	ug/Kg
1000309-15-6	Sulfurous acid, hexyl 2-pentyl est	16.4	J		13.6	ug/Kg
1000383-13-8	Carbonic acid, 2-ethylhexyl undecy	31.1	J		14.3	ug/Kg
001008-80-6	Naphthalene, decahydro-2,3-dimethy	19.3	J		14.8	ug/Kg
1000406-37-6	Nonyl tetradecyl ether	13.4	J		15.1	ug/Kg
	unknown15.511	27.1	J		15.5	ug/Kg
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	37.7	J		16.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021721.D
 Acq On : 31 Mar 2025 15:48
 Operator : SY/MD
 Sample : Q1675-07
 Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T1

Quant Time: Apr 01 05:38:21 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	241201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	454127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185708	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141630	54.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.380%
35) Dibromofluoromethane	7.634	113	149815	50.856	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.103	98	561423	50.096	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.408	95	190188	50.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.340%

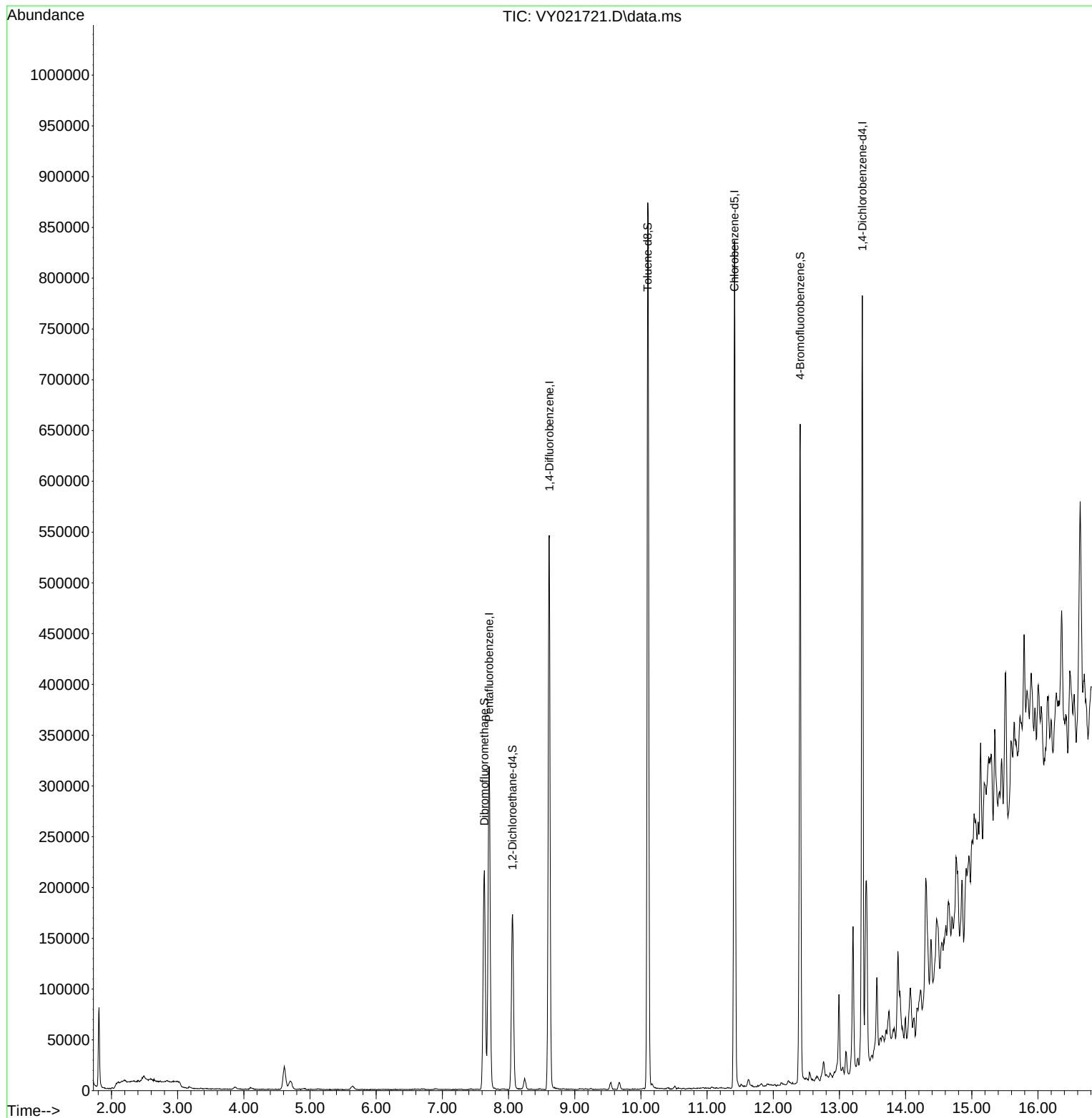
Target Compounds	Qvalue

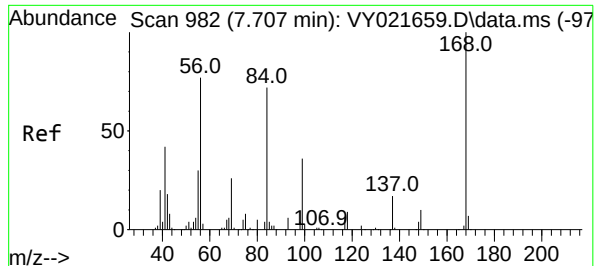
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Time: Apr 01 05:38:21 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

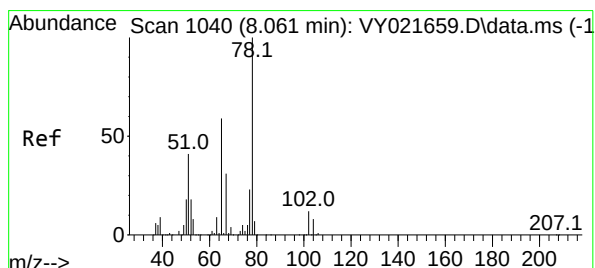
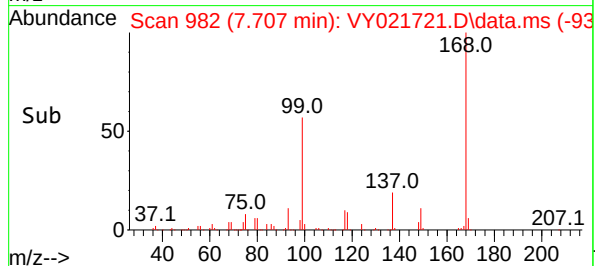
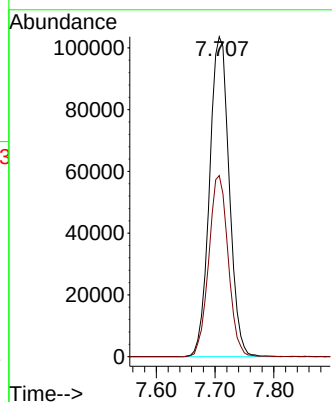
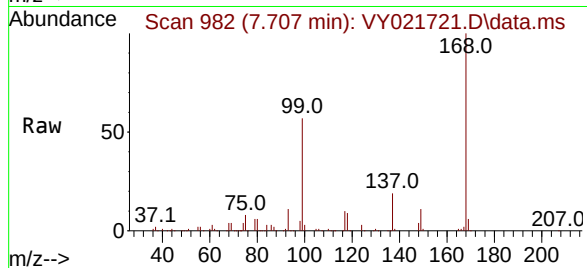




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

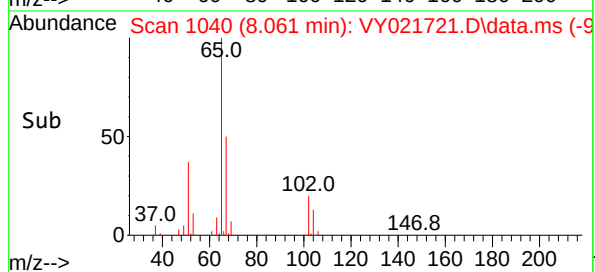
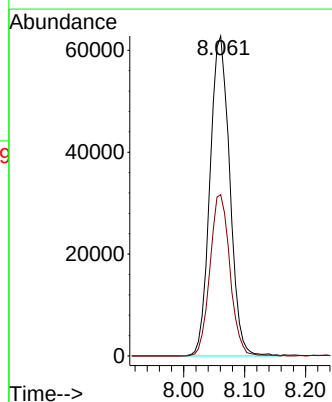
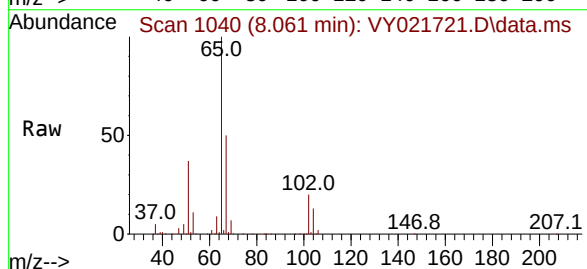
Instrument :
MSVOA_Y
ClientSampleId :
T1

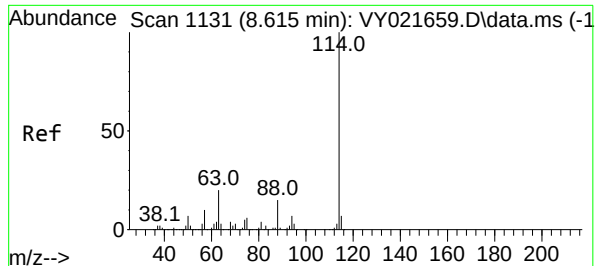
Tgt Ion:168 Resp: 241201
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 54.195 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 65 Resp: 141630
Ion Ratio Lower Upper
65 100
67 51.0 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: VY021721.D

Acq: 31 Mar 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

T1

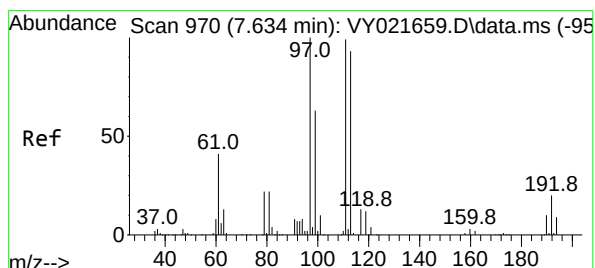
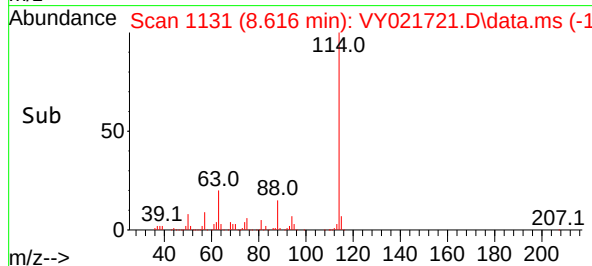
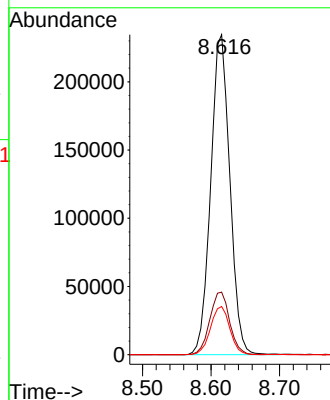
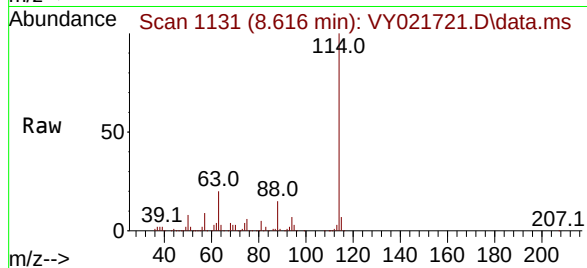
Tgt Ion:114 Resp: 454127

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.856 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021721.D

Acq: 31 Mar 2025 15:48

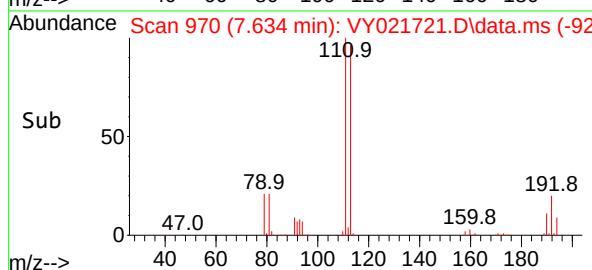
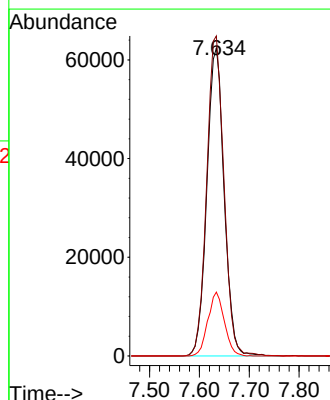
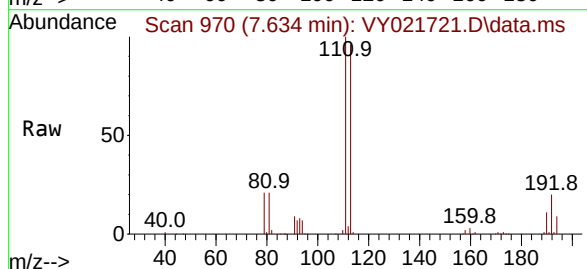
Tgt Ion:113 Resp: 149815

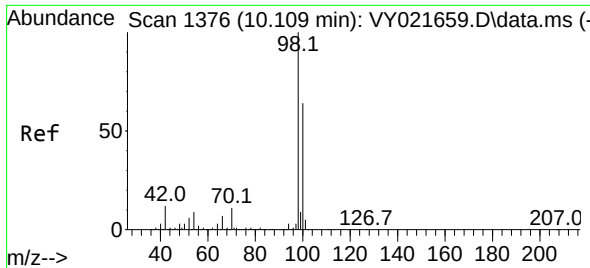
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 19.8 16.2 24.4

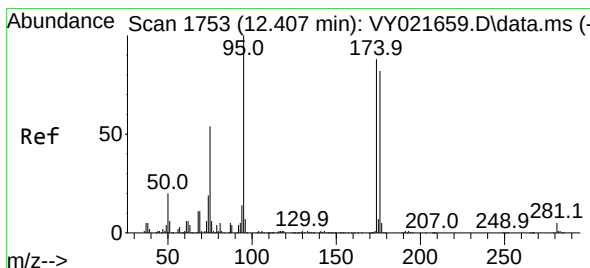
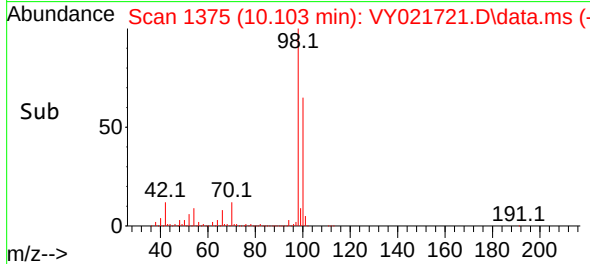
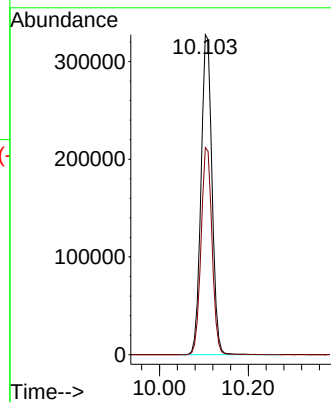
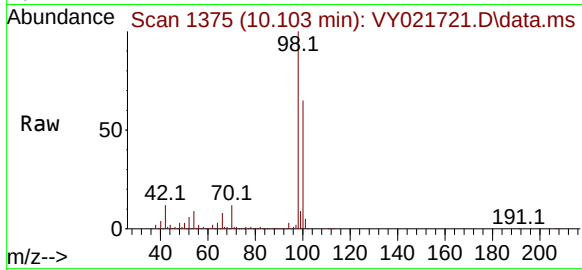




#50
Toluene-d8
Concen: 50.096 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

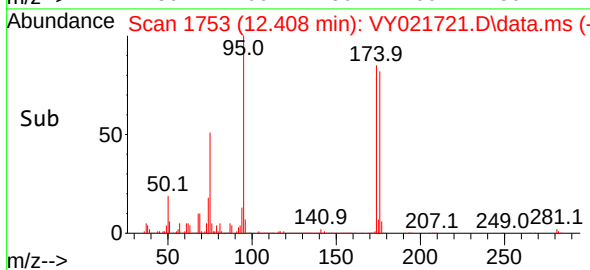
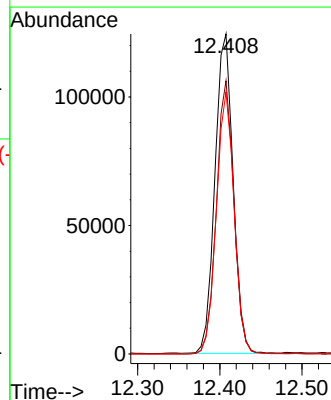
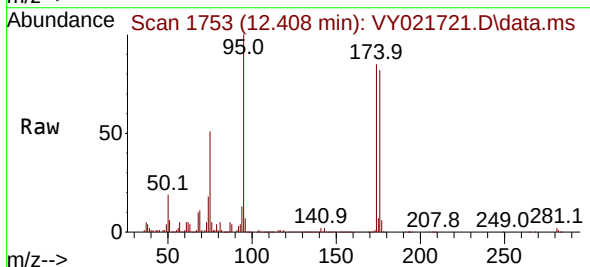
Instrument :
MSVOA_Y
ClientSampleId :
T1

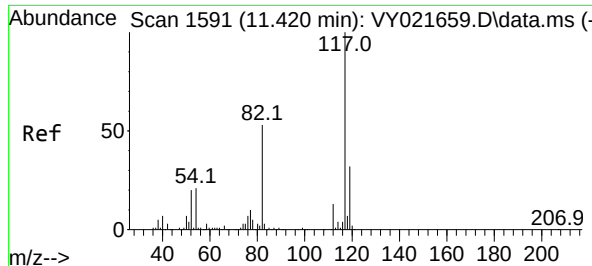
Tgt Ion: 98 Resp: 561423
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.172 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 95 Resp: 190188
Ion Ratio Lower Upper
95 100
174 83.7 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: VY021721.D

Acq: 31 Mar 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

T1

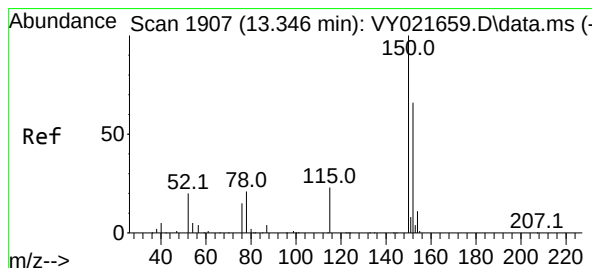
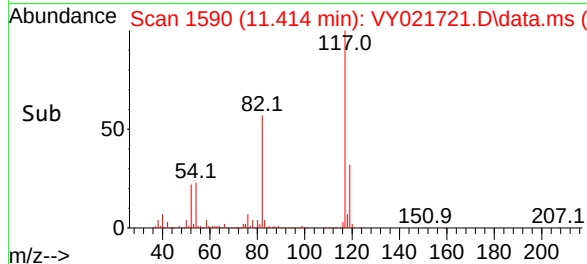
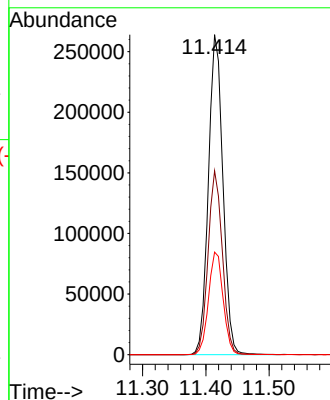
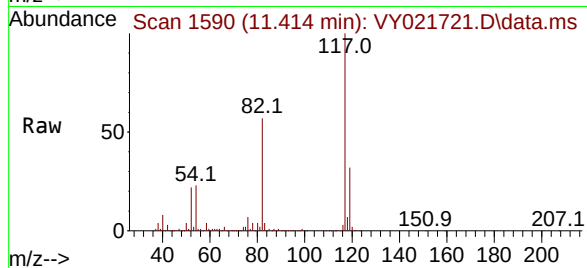
Tgt Ion:117 Resp: 421197

Ion Ratio Lower Upper

117 100

82 57.4 42.8 64.2

119 32.0 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: VY021721.D

Acq: 31 Mar 2025 15:48

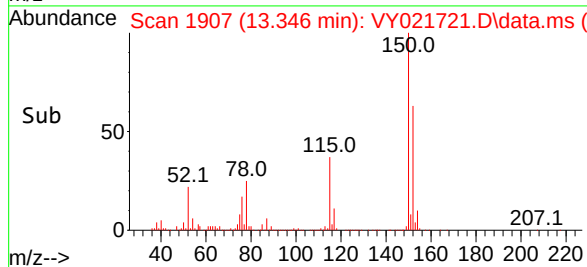
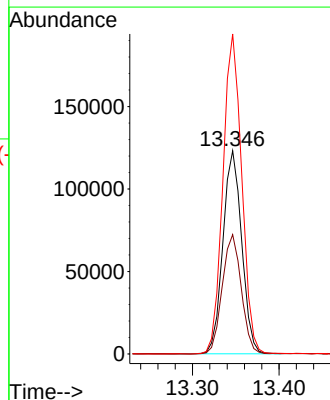
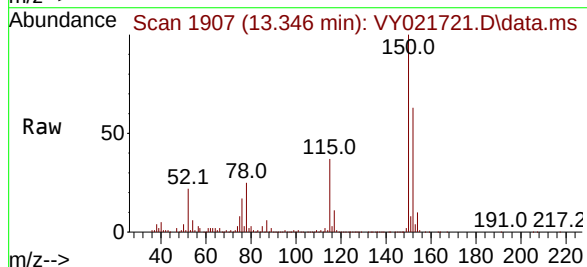
Tgt Ion:152 Resp: 185708

Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 157.5 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021721.D
 Acq On : 31 Mar 2025 15:48
 Operator : SY/MD
 Sample : Q1675-07
 Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021721.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	24	rVB	78807	106242	7.08%	0.953%
2	4.610	464	474	482	rBV2	22620	65654	4.37%	0.589%
3	4.702	482	489	501	rVB3	8039	29102	1.94%	0.261%
4	7.634	959	970	976	rBV	215613	515756	34.36%	4.628%
5	7.707	976	982	994	rVB	317257	722461	48.14%	6.483%
6	8.061	1029	1040	1051	rBV	172577	396757	26.44%	3.560%
7	8.244	1063	1070	1078	rVB	10773	24286	1.62%	0.218%
8	8.616	1120	1131	1142	rBV	545768	1081512	72.06%	9.705%
9	10.103	1368	1375	1383	rBV	872155	1500874	100.00%	13.468%
10	11.414	1581	1590	1602	rBV	834894	1343307	89.50%	12.054%
11	12.408	1744	1753	1763	rBV	648689	1074607	71.60%	9.643%
12	12.761	1802	1811	1816	rBV5	18655	48013	3.20%	0.431%
13	12.993	1841	1849	1854	rBV	75723	115874	7.72%	1.040%
14	13.096	1862	1866	1874	rVB	21983	36644	2.44%	0.329%
15	13.206	1875	1884	1891	rBV	144658	261082	17.40%	2.343%
16	13.346	1898	1907	1912	rVV	758191	1215656	81.00%	10.909%
17	13.407	1912	1917	1926	rVB2	177566	398137	26.53%	3.573%
18	13.566	1933	1943	1948	rBV3	79125	160130	10.67%	1.437%
19	13.749	1968	1973	1978	rVB4	26983	50710	3.38%	0.455%
20	13.883	1990	1995	1999	rBV	84687	161350	10.75%	1.448%
21	13.999	2010	2014	2017	rVB3	20487	25195	1.68%	0.226%
22	14.072	2020	2026	2031	rVV5	41409	94318	6.28%	0.846%
23	14.182	2039	2044	2045	rBV4	25611	44745	2.98%	0.402%
24	14.304	2059	2064	2073	rBV3	117872	303172	20.20%	2.720%
25	14.383	2073	2077	2082	rVV5	45450	78800	5.25%	0.707%
26	14.468	2088	2091	2099	rVB7	48918	121640	8.10%	1.092%
27	14.761	2137	2139	2148	rVB6	78095	188249	12.54%	1.689%
28	14.852	2151	2154	2158	rVB2	61450	91362	6.09%	0.820%
29	14.919	2159	2165	2166	rBV4	67409	126820	8.45%	1.138%
30	15.133	2197	2200	2205	rVB2	94670	130424	8.69%	1.170%
31	15.511	2258	2262	2268	rVB2	142544	264099	17.60%	2.370%
32	16.638	2443	2447	2453	rVB3	187982	367077	24.46%	3.294%

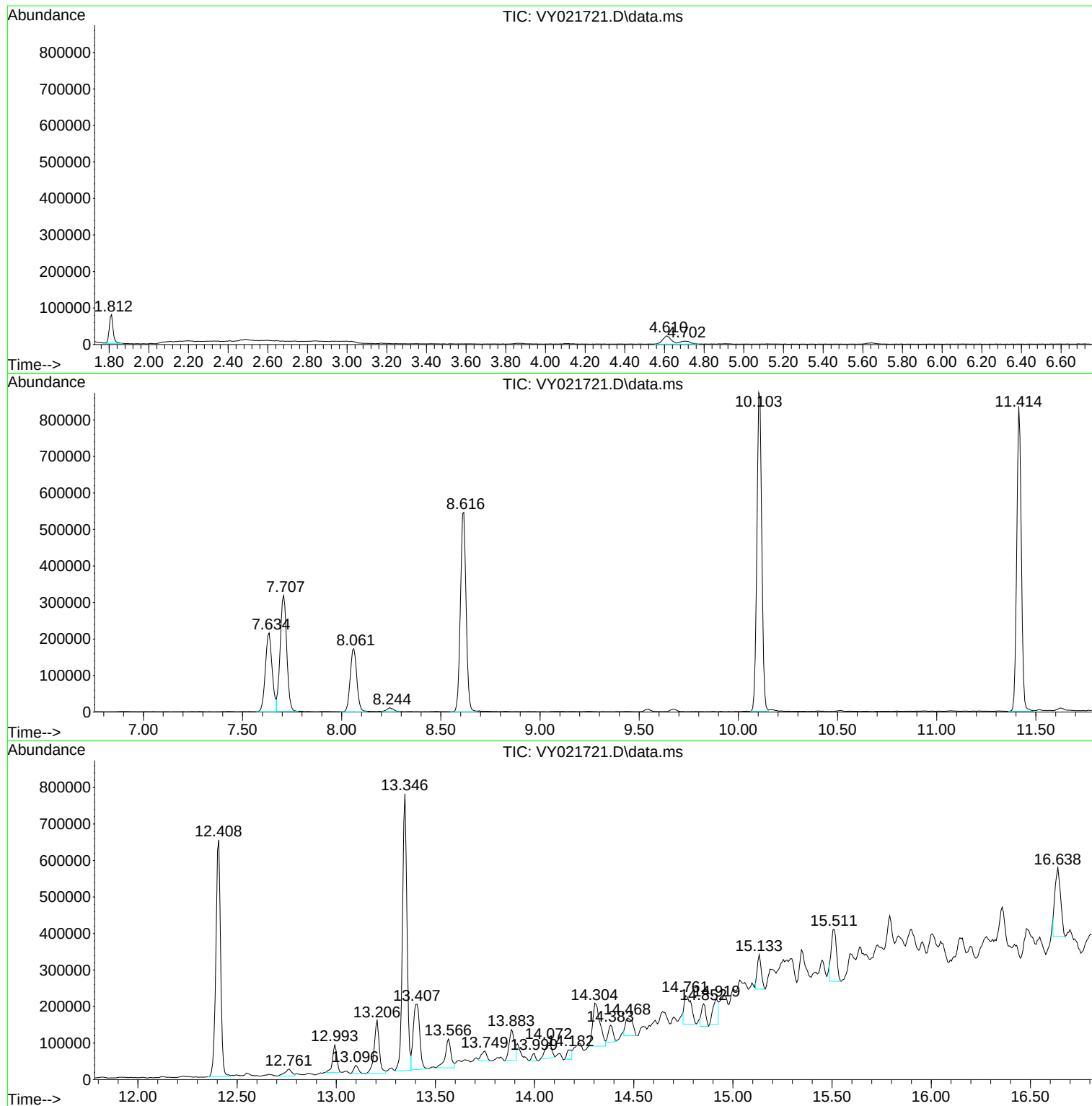
Sum of corrected areas: 11144055

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

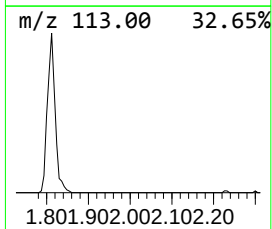
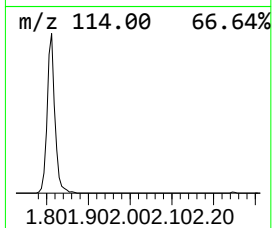
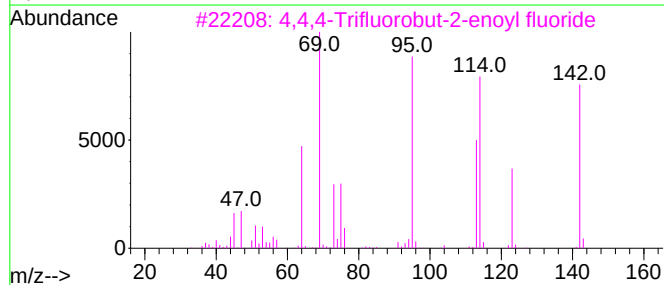
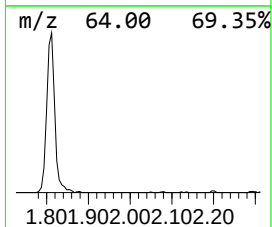
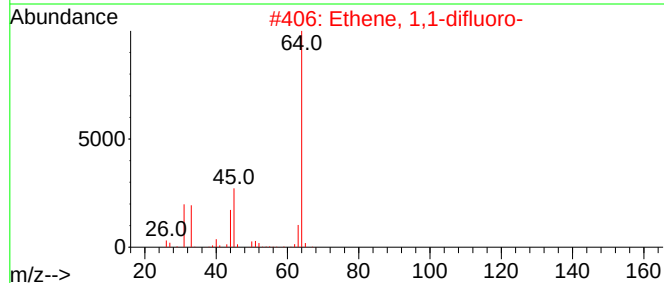
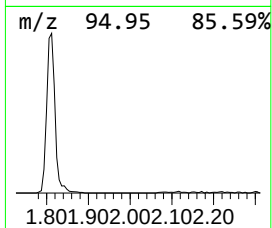
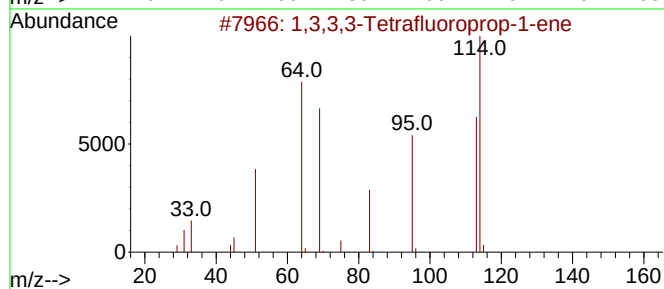
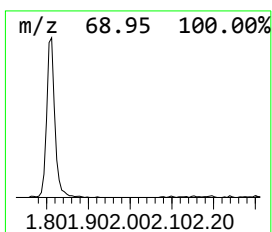
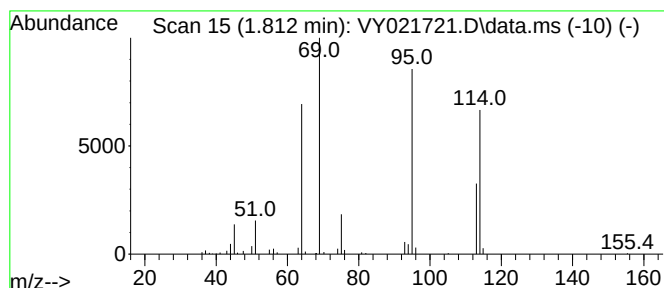
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown1.812 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	7.35 ug/l	106242	Pentafluorobenzene	7.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3,3,3-Tetrafluoroprop-1-ene	114	C3H2F4	1000389-53-0	25
2			Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	12
3			4,4,4-Trifluorobut-2-enoyl fluoride	142	C4H2F4O	1000394-29-0	10
4			Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	9
5			2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

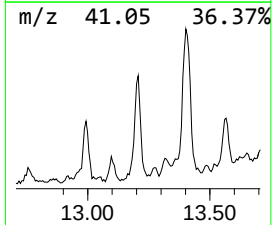
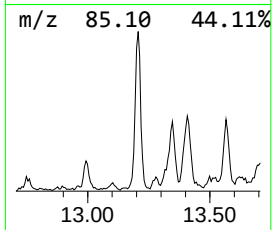
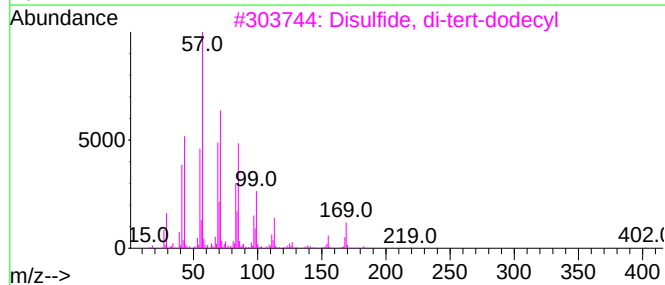
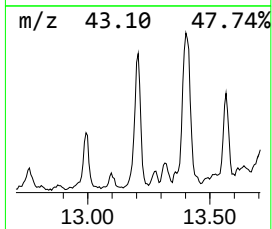
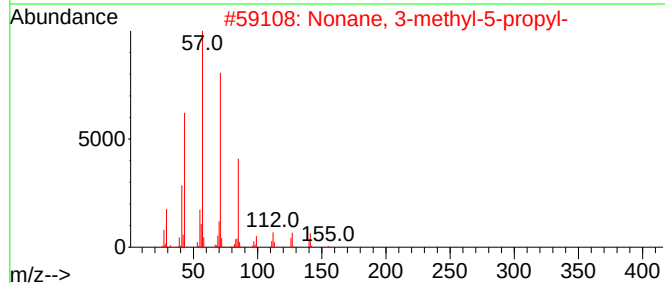
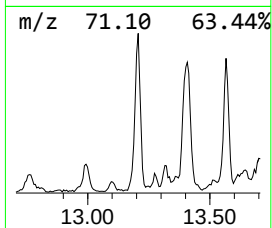
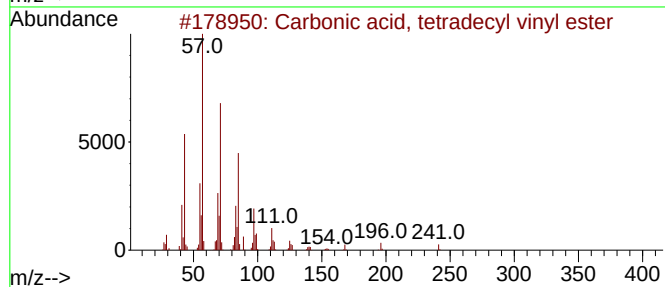
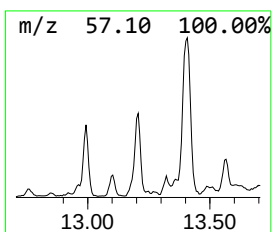
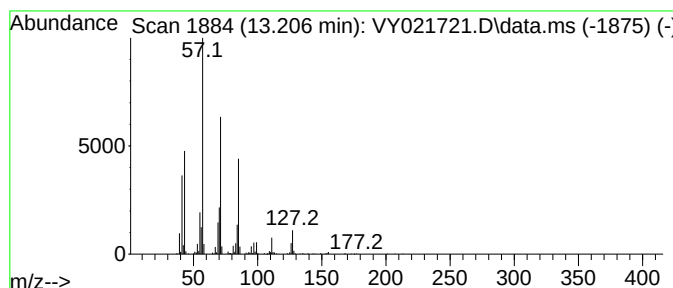
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Quant Title : SW846 8260

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

Peak Number 2 Carbonic acid, tetradecyl v... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.206	10.74 ug/l	261082	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	72
2			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
3			Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	72
4			Heptadecane	240	C17H36	000629-78-7	59
5			2-Bromotetradecane	276	C14H29Br	074036-95-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

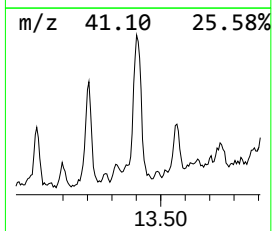
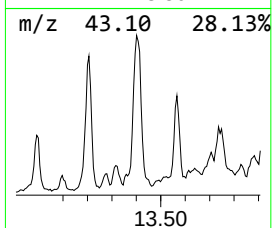
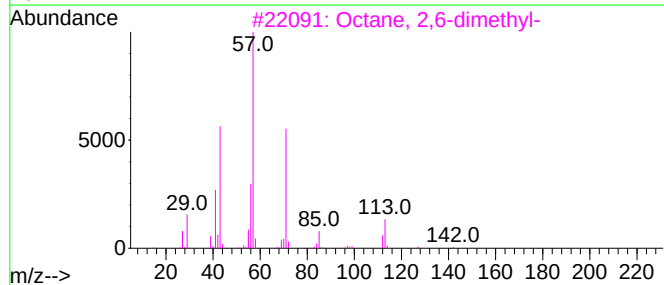
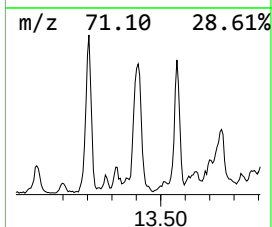
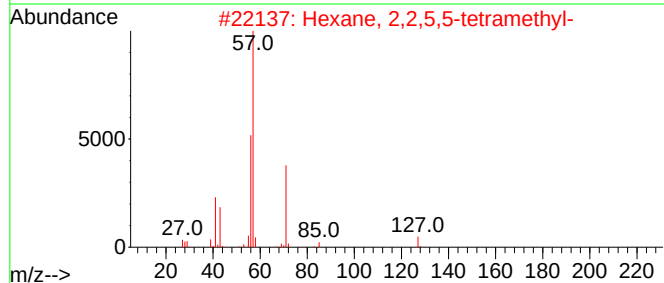
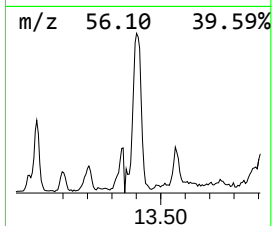
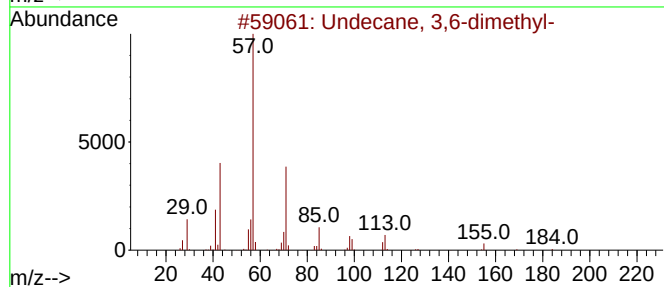
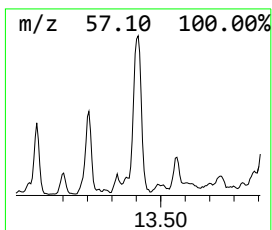
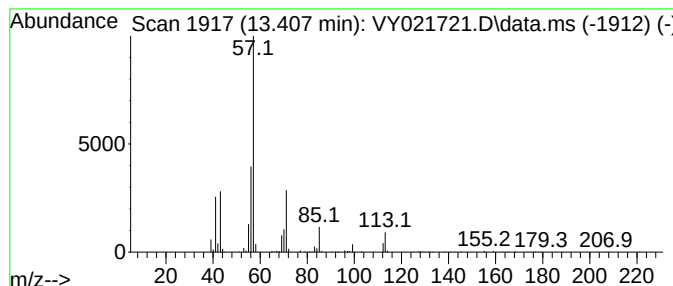
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Quant Title : SW846 8260

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

Peak Number 3 Undecane, 3,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.407	16.38 ug/l	398137	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
2			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	47
5			Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

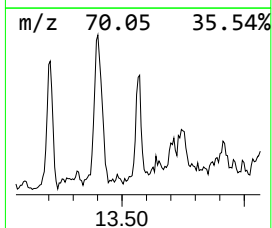
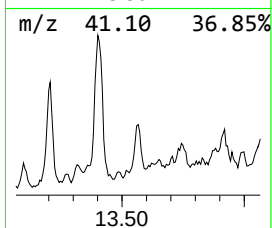
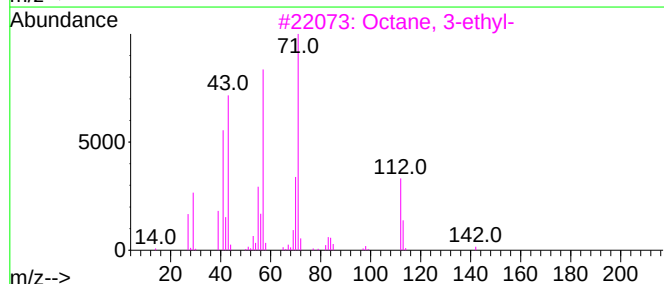
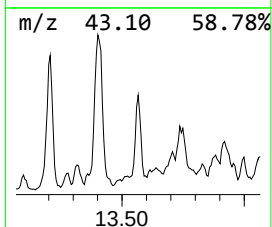
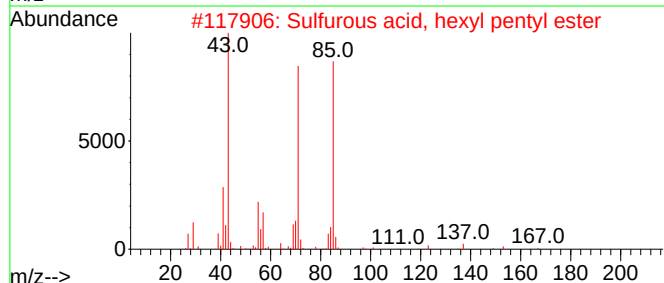
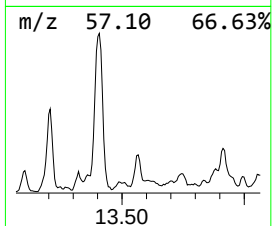
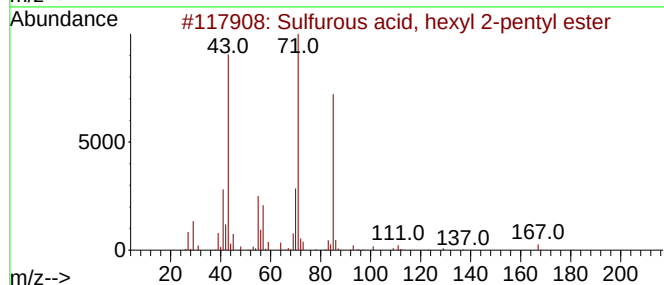
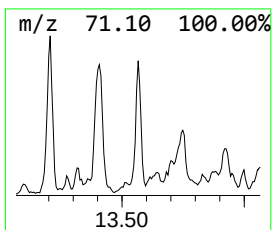
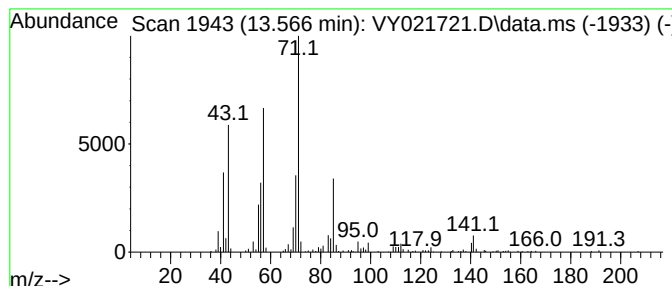
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Quant Title : SW846 8260

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

Peak Number 4 Sulfurous acid, hexyl 2-pen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.566	6.59 ug/l	160130	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	59
2			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	58
3			Octane, 3-ethyl-	142	C10H22	005881-17-4	58
4			Sulfurous acid, 2-pentyl tetradec...	348	C19H40O3S	1000309-16-3	53
5			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

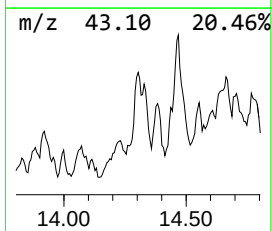
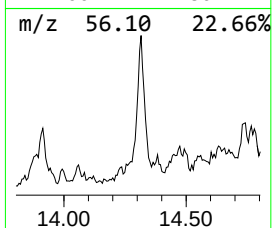
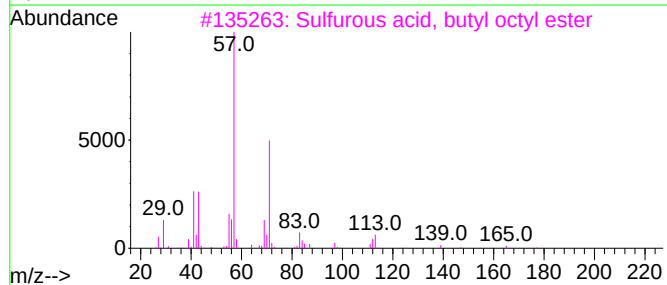
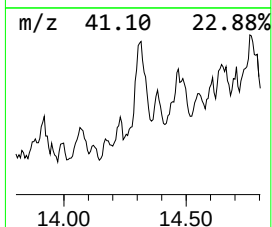
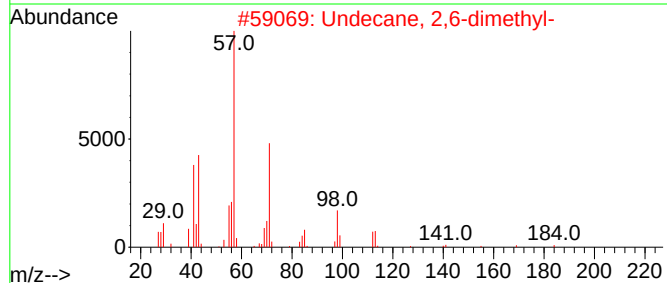
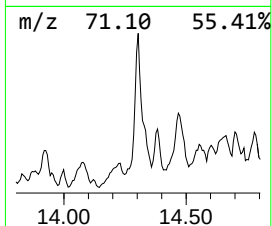
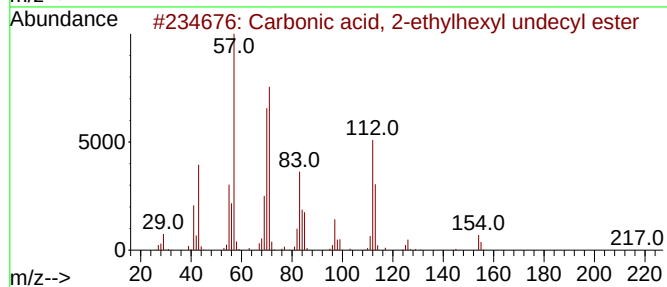
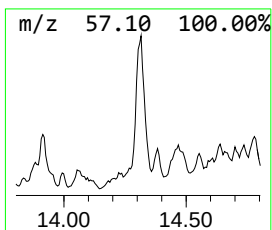
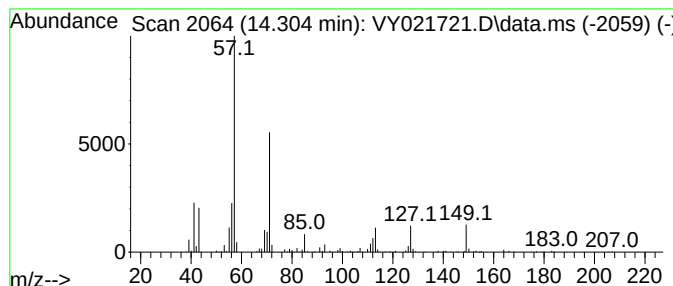
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Quant Title : SW846 8260

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

Peak Number 6 Carbonic acid, 2-ethylhexyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	12.47 ug/l	303172	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, 2-ethylhexyl unde...	328	C20H40O3	1000383-13-8	59
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
3			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5			Octyl thioglycolate	204	C10H20O2S	007664-80-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

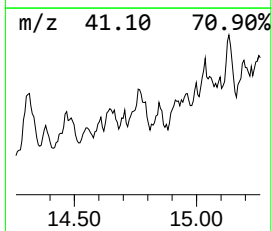
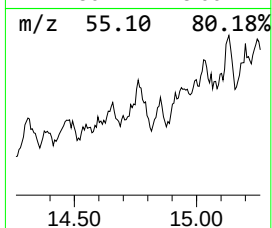
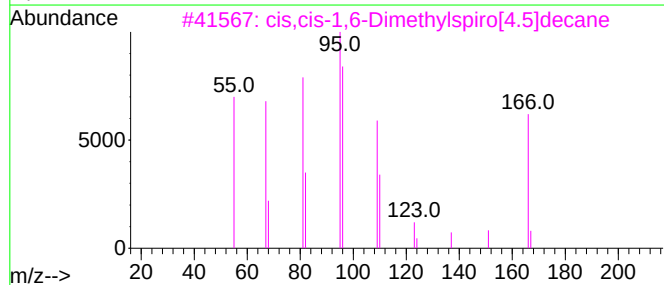
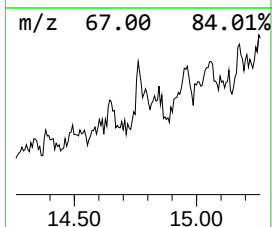
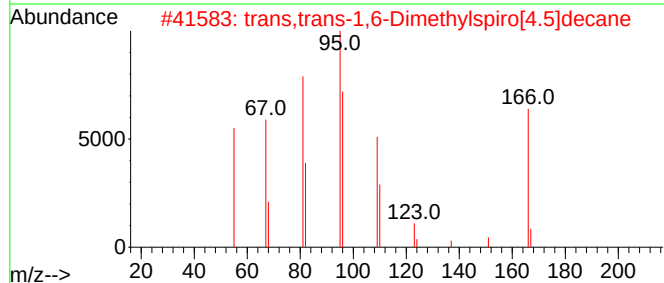
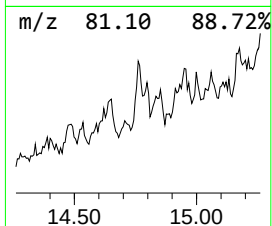
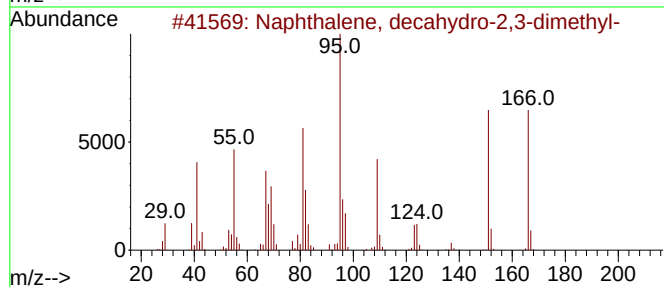
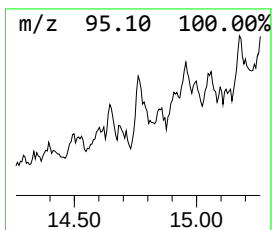
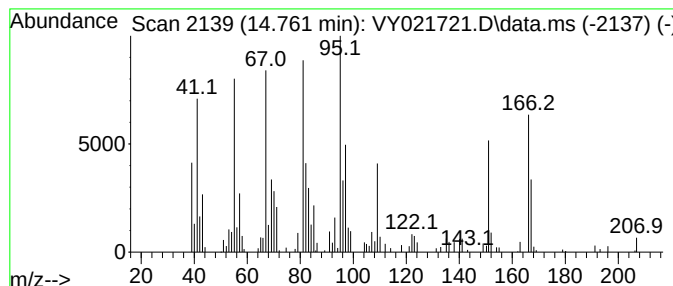
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, decahydro-2,3-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.761	7.74 ug/l	188249	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	64
2			trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	62
3			cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	49
4			Cyclopropane, 1-(1-methylethyl)-...	152	C11H20	056259-17-7	22
5			4-Decyne	138	C10H18	002384-86-3	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

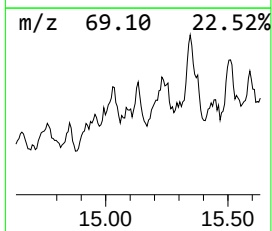
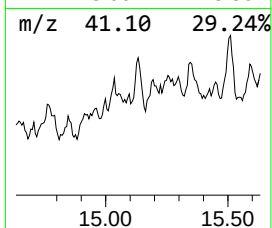
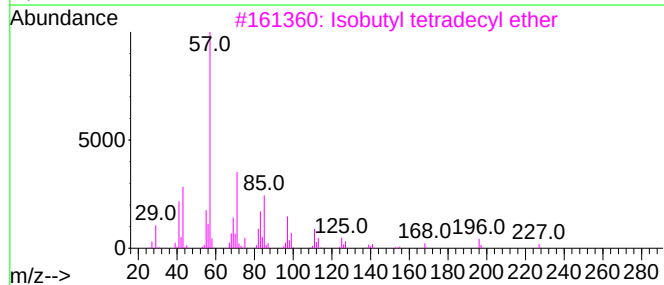
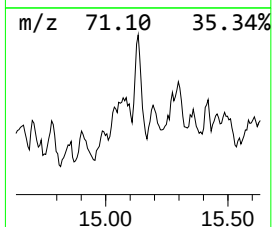
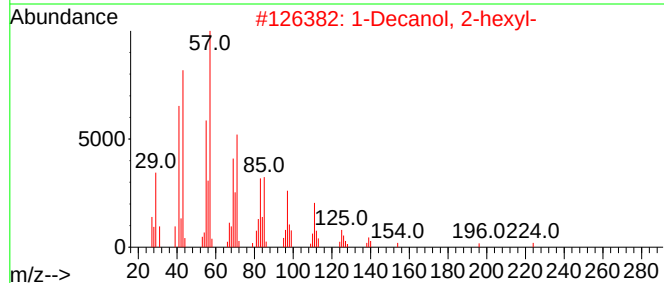
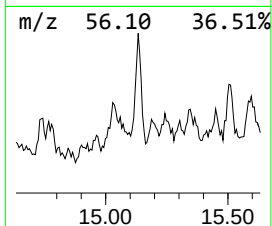
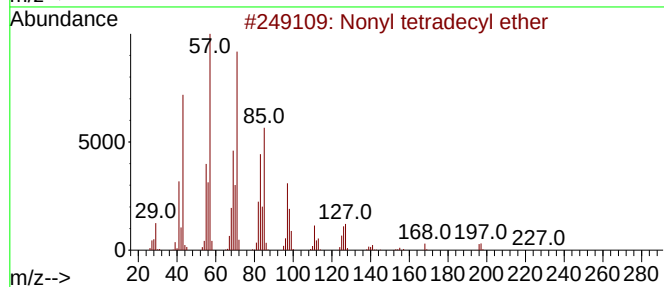
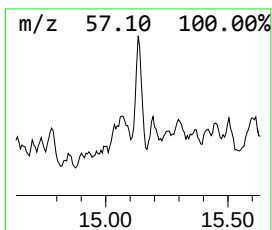
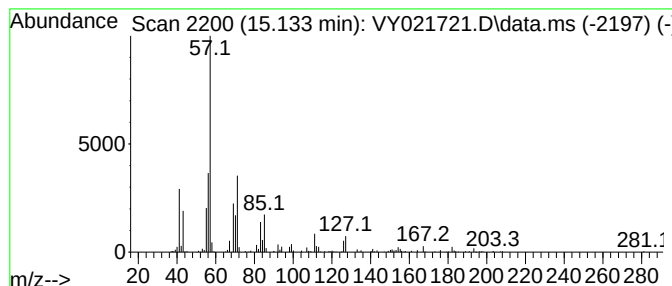
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Quant Title : SW846 8260

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

Peak Number 8 Nonyl tetradecyl ether Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	5.36 ug/l	130424	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	72
2			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	64
3			Isobutyl tetradecyl ether	270	C18H38O	1000406-32-7	59
4			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	59
5			Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

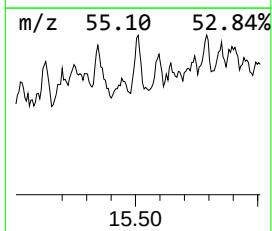
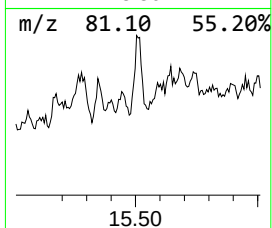
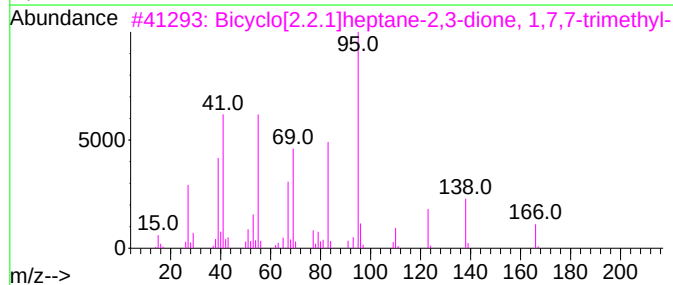
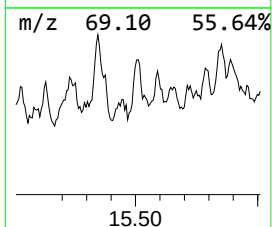
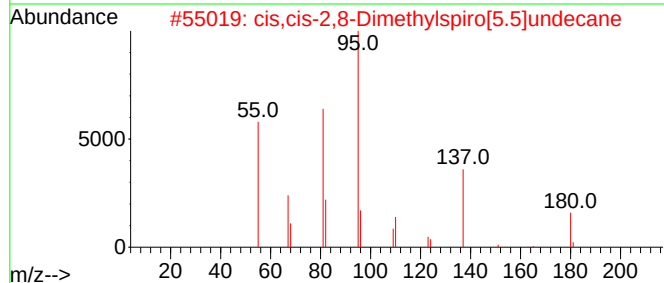
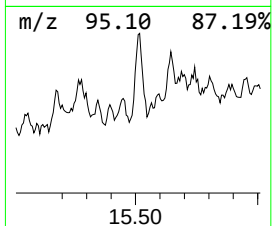
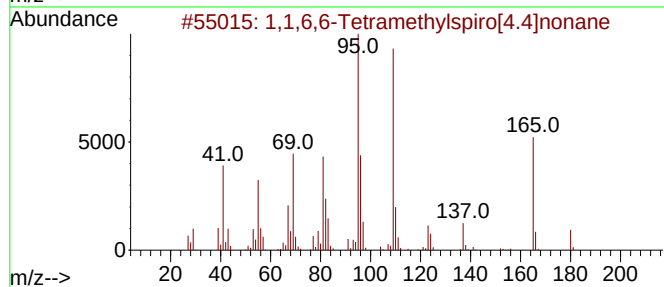
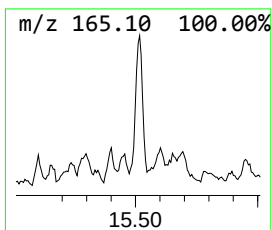
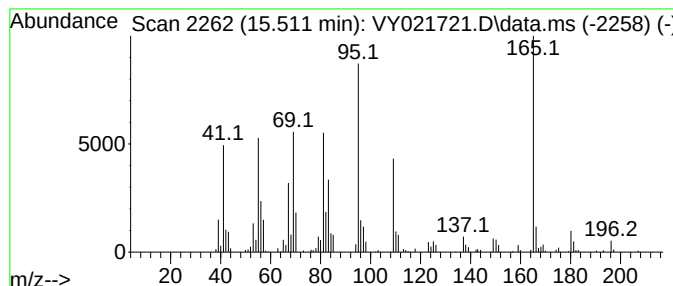
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Quant Title : SW846 8260

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

Peak Number 9 unknown15.511 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	10.86 ug/l	264099	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	45
2			cis,cis-2,8-Dimethylspiro[5.5]un...	180	C13H24	095530-75-9	42
3			Bicyclo[2.2.1]heptane-2,3-dione,...	166	C10H14O2	002767-84-2	42
4			d1-Camphoroquinone	166	C10H14O2	010373-78-1	38
5			1,5-Dihydro-1,5-dimethyl-6H-imid...	165	C6H7N5O	106284-73-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

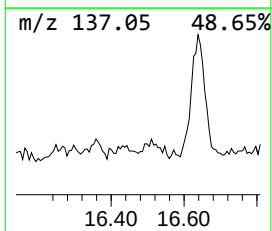
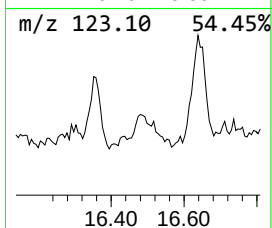
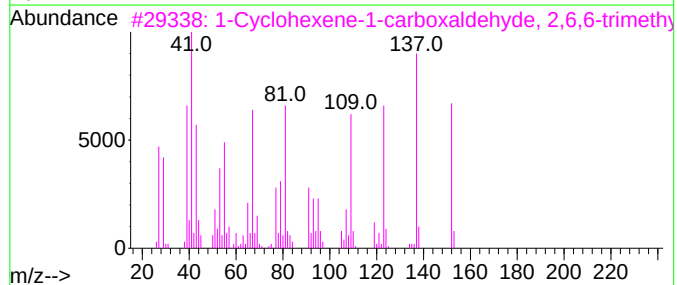
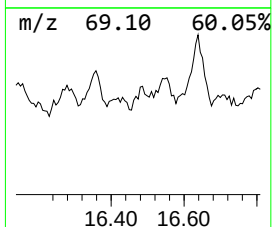
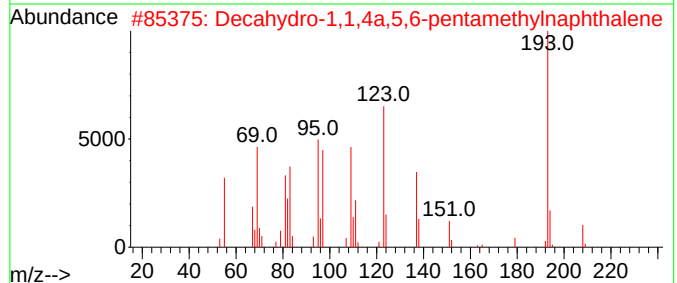
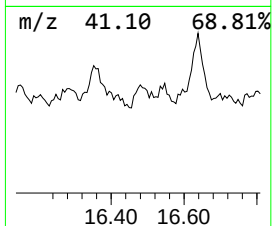
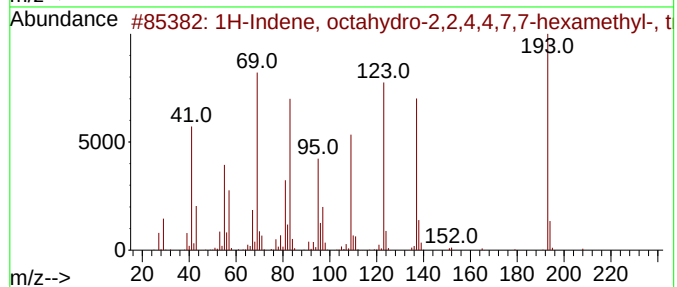
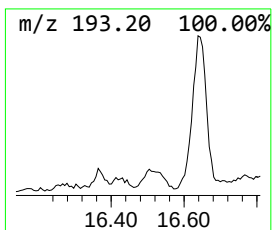
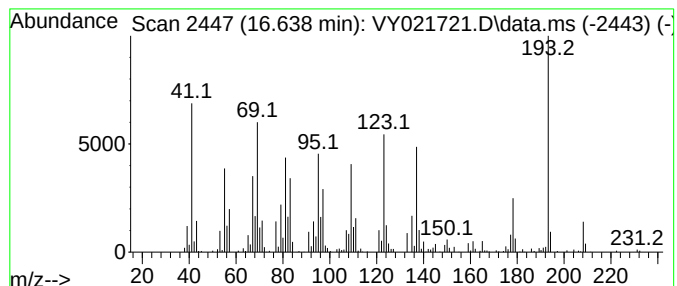
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 10 1H-Indene, octahydro-2,2,4,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	15.10 ug/l	367077	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, octahydro-2,2,4,7,7...	208	C15H28	054832-83-6	72
2			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	64
3			1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	000432-25-7	25
4			Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	22
5			2,5,5,6,1a-Pentamethyl-cis-1a,4a...	208	C14H24O	1010215-77-9	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown1.812	1.812	7.3	ug/l	106242	1	7.707	722461	50.0
Carbonic acid, ...	13.206	10.7	ug/l	261082	4	13.346	1215660	50.0
Undecane, 3,6-d...	13.407	16.4	ug/l	398137	4	13.346	1215660	50.0
Sulfurous acid,...	13.566	6.6	ug/l	160130	4	13.346	1215660	50.0
Carbonic acid, ...	14.304	12.5	ug/l	303172	4	13.346	1215660	50.0
Naphthalene, de...	14.761	7.7	ug/l	188249	4	13.346	1215660	50.0
Nonyl tetradecy...	15.133	5.4	ug/l	130424	4	13.346	1215660	50.0
unknown15.511	15.511	10.9	ug/l	264099	4	13.346	1215660	50.0
1H-Indene, octa...	16.639	15.1	ug/l	367077	4	13.346	1215660	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	2.20	ug/Kg
74-87-3	Chloromethane	0.50	U	0.50	2.20	ug/Kg
75-01-4	Vinyl Chloride	0.34	U	0.34	2.20	ug/Kg
74-83-9	Bromomethane	0.47	U	0.47	2.20	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	2.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.53	U	0.53	2.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	2.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	2.20	ug/Kg
67-64-1	Acetone	15.8		2.10	10.9	ug/Kg
75-15-0	Carbon Disulfide	0.46	U	0.46	2.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.32	U	0.32	2.20	ug/Kg
79-20-9	Methyl Acetate	0.67	U	0.67	2.20	ug/Kg
75-09-2	Methylene Chloride	1.50	U	1.50	4.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.38	U	0.38	2.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.35	U	0.35	2.20	ug/Kg
110-82-7	Cyclohexane	0.34	U	0.34	2.20	ug/Kg
78-93-3	2-Butanone	2.90	U	2.90	10.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.42	U	0.42	2.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	2.20	ug/Kg
74-97-5	Bromochloromethane	0.50	U	0.50	2.20	ug/Kg
67-66-3	Chloroform	0.37	U	0.37	2.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	2.20	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	0.40	2.20	ug/Kg
71-43-2	Benzene	0.34	U	0.34	2.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.34	U	0.34	2.20	ug/Kg
79-01-6	Trichloroethene	0.35	U	0.35	2.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.40	U	0.40	2.20	ug/Kg
75-27-4	Bromodichloromethane	0.34	U	0.34	2.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.60	U	1.60	10.9	ug/Kg
108-88-3	Toluene	0.34	U	0.34	2.20	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.28	U	0.28	2.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.27	U	0.27	2.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.40	U	0.40	2.20	ug/Kg
591-78-6	2-Hexanone	1.60	U	1.60	10.9	ug/Kg
124-48-1	Dibromochloromethane	0.38	U	0.38	2.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.38	U	0.38	2.20	ug/Kg
127-18-4	Tetrachloroethene	0.46	U	0.46	2.20	ug/Kg
108-90-7	Chlorobenzene	0.40	U	0.40	2.20	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	0.29	2.20	ug/Kg
179601-23-1	m/p-Xylenes	0.54	U	0.54	4.40	ug/Kg
95-47-6	o-Xylene	0.36	U	0.36	2.20	ug/Kg
100-42-5	Styrene	0.31	U	0.31	2.20	ug/Kg
75-25-2	Bromoform	0.38	U	0.38	2.20	ug/Kg
98-82-8	Isopropylbenzene	0.34	U	0.34	2.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.53	U	0.53	2.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.75	U	0.75	2.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.68	U	0.68	2.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.63	U	0.63	2.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.80	U	0.80	2.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.30	U	1.30	2.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	2.20	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.5	70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8	70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4	70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	65.0	70 (38) - 130 (136)	130%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	278000	7.707
540-36-3	1,4-Difluorobenzene	508000	8.609
3114-55-4	Chlorobenzene-d5	512000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.346

TENTATIVE IDENTIFIED COMPOUNDS



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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	T2		SDG No.:	Q1675	
Lab Sample ID:	Q1675-08		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	80.4	
Sample Wt/Vol:	14.26	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000108-08-7	Pentane, 2,4-dimethyl-	27.8	J		6.59	ug/Kg
000590-73-8	Hexane, 2,2-dimethyl-	110	J		8.24	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	72.1	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	100	J		9.67	ug/Kg
006783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	25.1	J		12.6	ug/Kg
	unknown12.652	27.7	J		12.7	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	46.1	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	56.3	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	37.4	J		14.3	ug/Kg
	unknown14.651	40.0	J		14.7	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	51.9	J		15.1	ug/Kg
	unknown15.352	22.1	J		15.4	ug/Kg
	unknown15.511	33.0	J		15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	33.8	J		16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	31.6	J		16.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021722.D
 Acq On : 31 Mar 2025 16:11
 Operator : SY/MD
 Sample : Q1675-08
 Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T2

Quant Time: Apr 01 05:38:44 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)

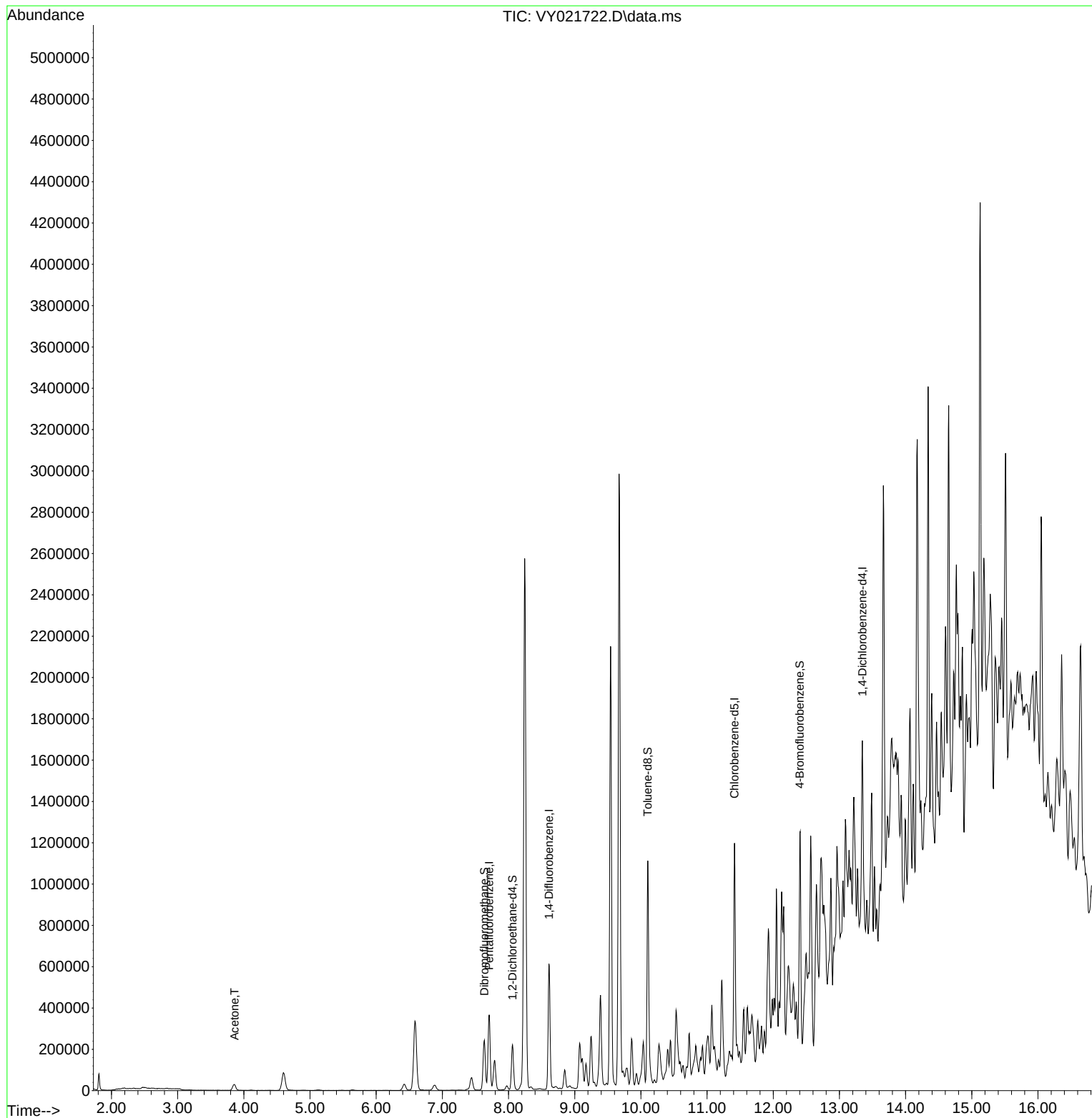
Internal Standards						
1) Pentafluorobenzene	7.707	168	278328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	508216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	512218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173360	57.488	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	114.980%	
35) Dibromofluoromethane	7.634	113	170901	51.840	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	103.680%	
50) Toluene-d8	10.103	98	644253	51.369	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	102.740%	
62) 4-Bromofluorobenzene	12.402	95	275951	65.049	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	130.100%	
Target Compounds						
16) Acetone	3.860	43	22308	36.145	ug/l	Qvalue # 71

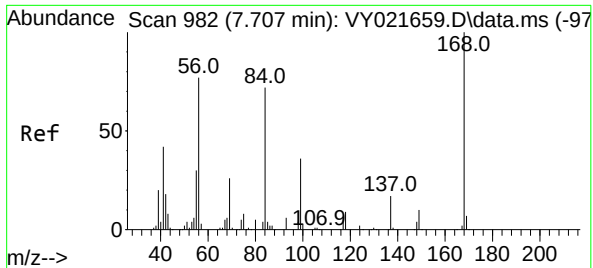
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Apr 01 05:38:44 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

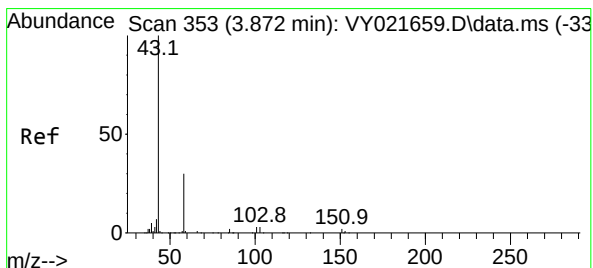
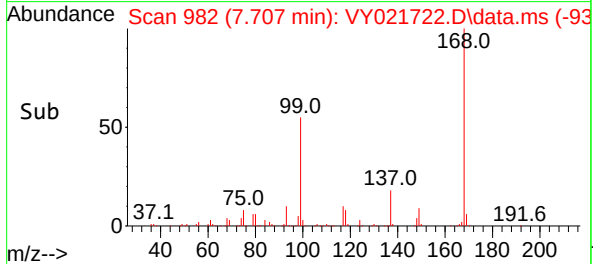
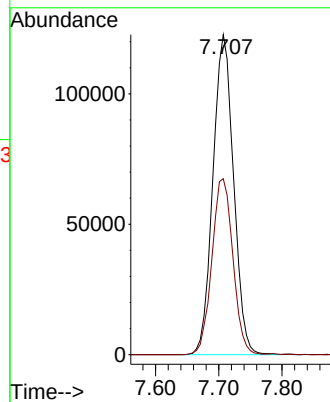
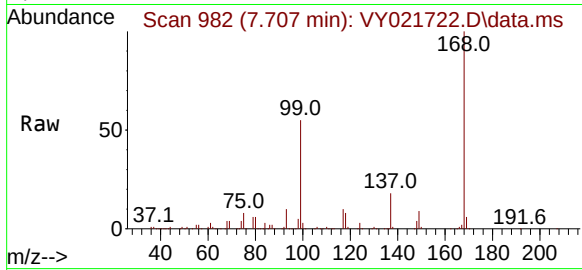




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

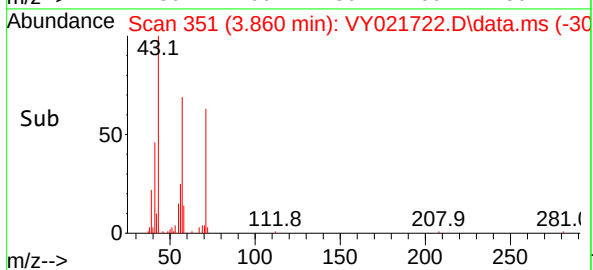
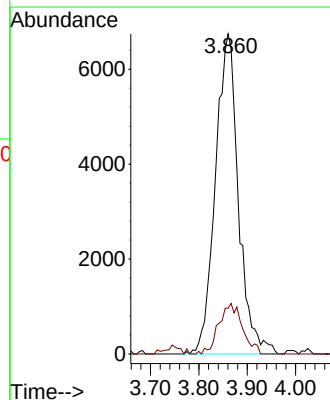
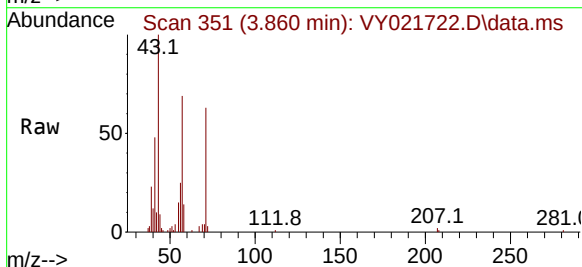
Instrument :
MSVOA_Y
ClientSampleId :
T2

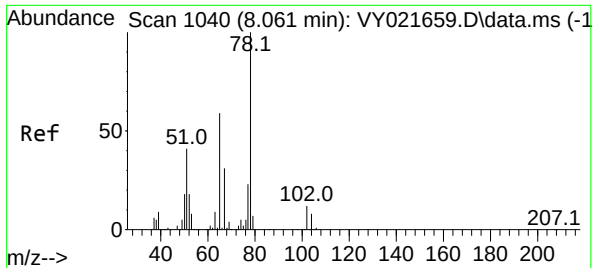
Tgt Ion:168 Resp: 278328
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#16
Acetone
Concen: 36.145 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 43 Resp: 22308
Ion Ratio Lower Upper
43 100
58 14.3 24.2 36.4#





#33

1,2-Dichloroethane-d4

Concen: 57.488 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021722.D

Acq: 31 Mar 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

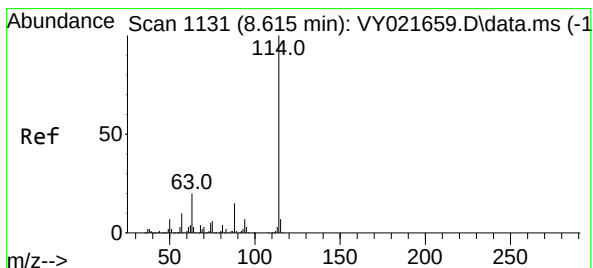
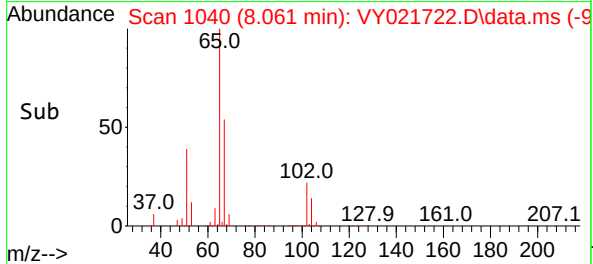
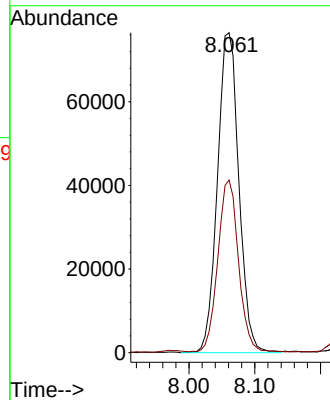
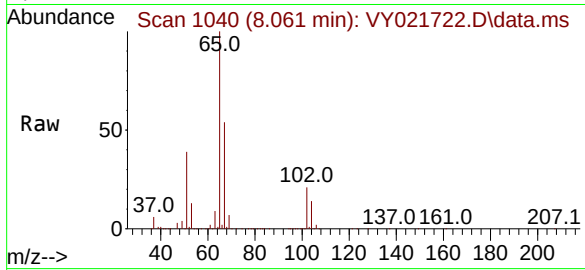
T2

Tgt Ion: 65 Resp: 173360

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021722.D

Acq: 31 Mar 2025 16:11

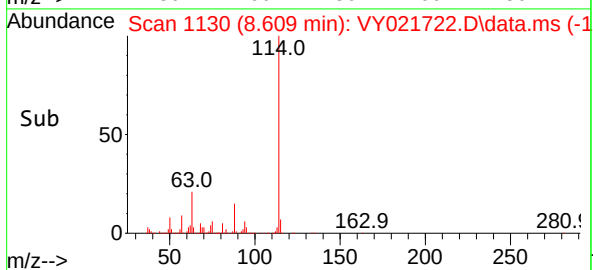
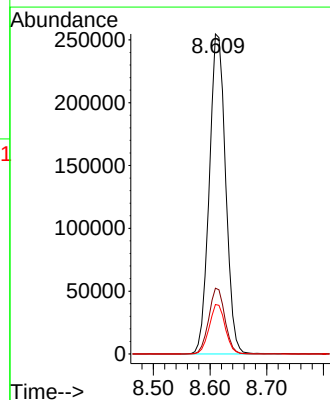
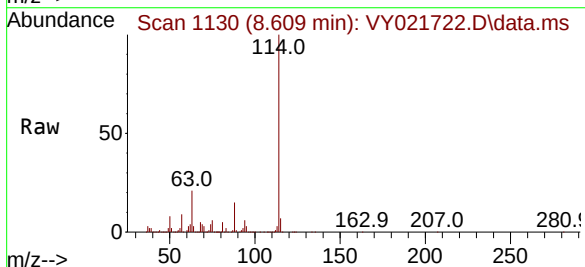
Tgt Ion: 114 Resp: 508216

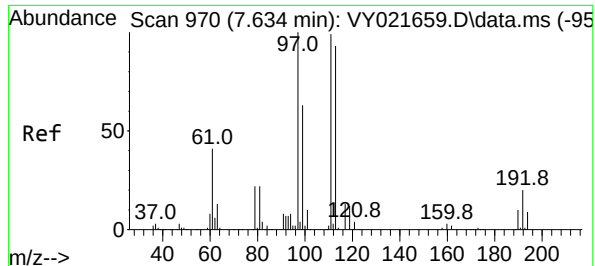
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.840 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021722.D

Acq: 31 Mar 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

T2

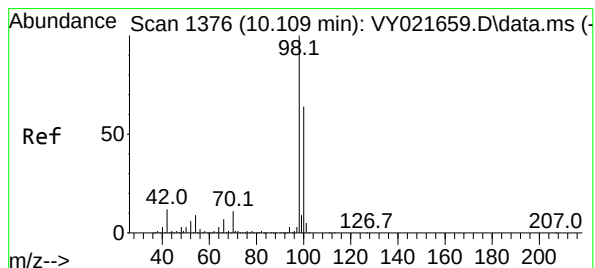
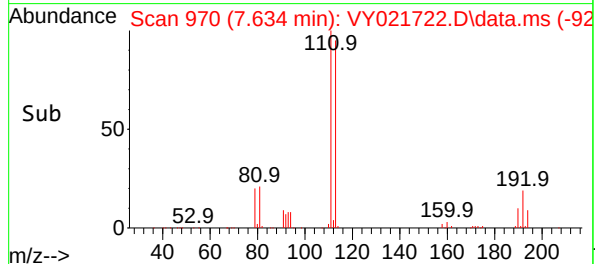
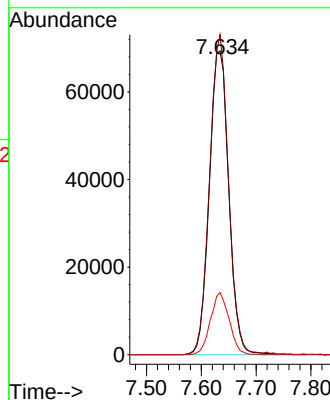
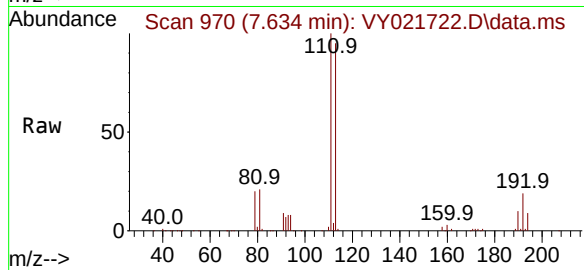
Tgt Ion:113 Resp: 170901

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 19.6 16.2 24.4



#50

Toluene-d8

Concen: 51.369 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021722.D

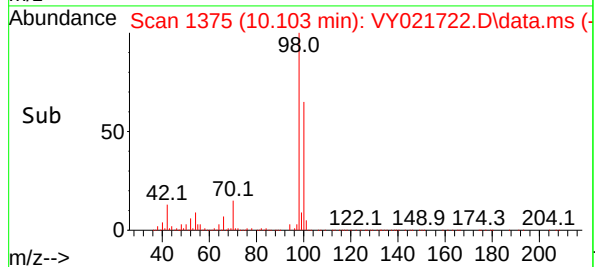
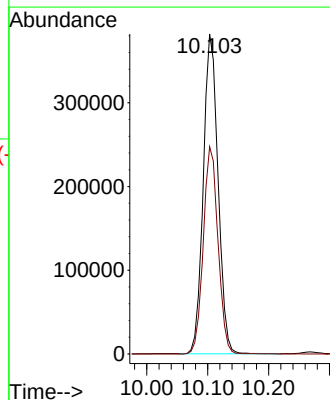
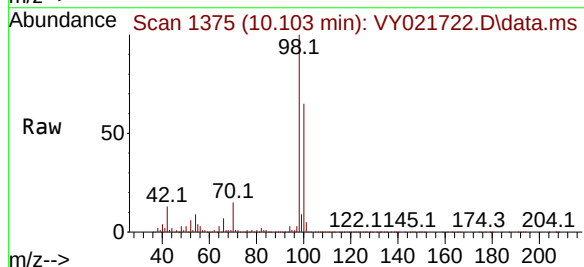
Acq: 31 Mar 2025 16:11

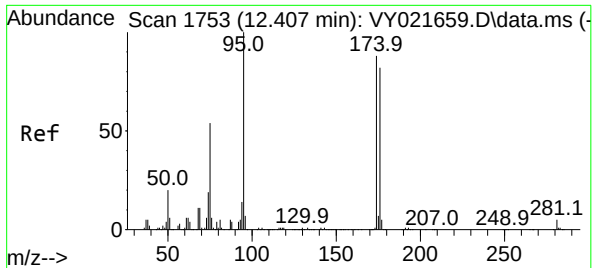
Tgt Ion: 98 Resp: 644253

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1

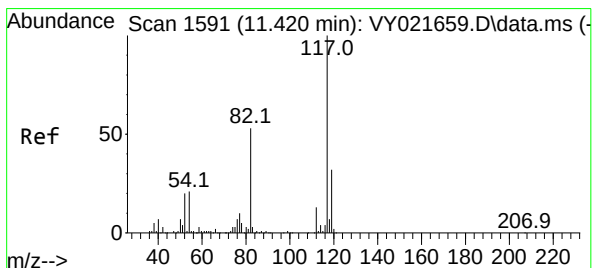
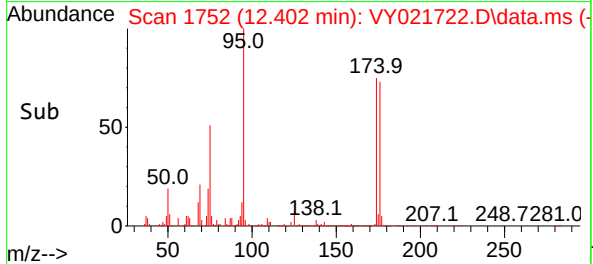
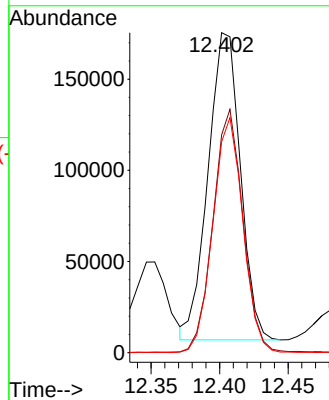
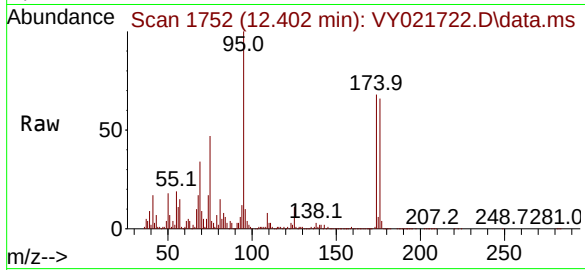




#62
4-Bromofluorobenzene
Concen: 65.049 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

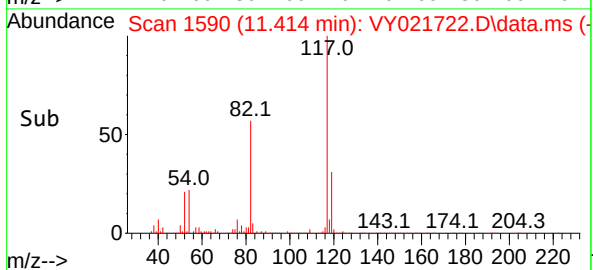
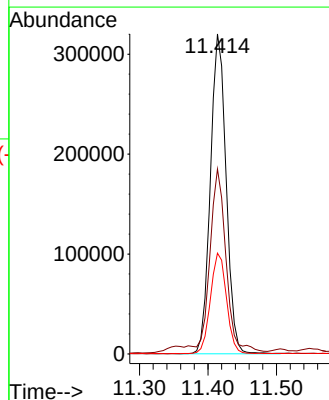
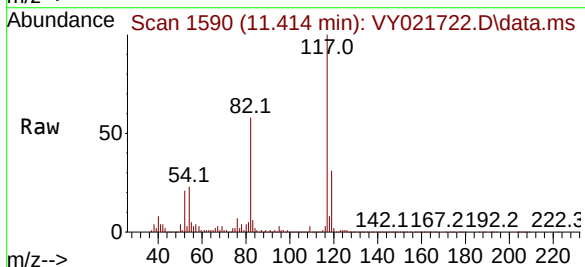
Instrument :
MSVOA_Y
ClientSampleId :
T2

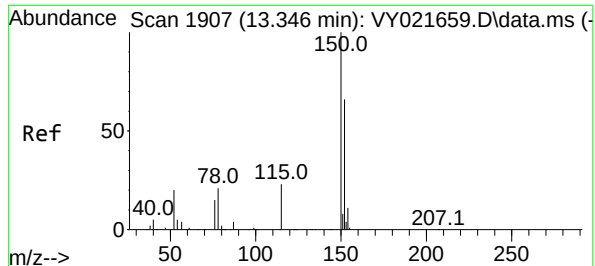
Tgt Ion: 95 Resp: 275951
Ion Ratio Lower Upper
95 100
174 74.2 0.0 170.8
176 71.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 117 Resp: 512218
Ion Ratio Lower Upper
117 100
82 56.3 42.8 64.2
119 31.4 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: VY021722.D

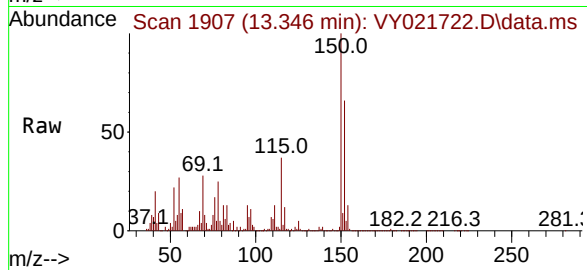
Acq: 31 Mar 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

T2



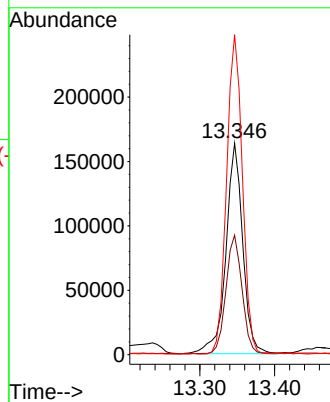
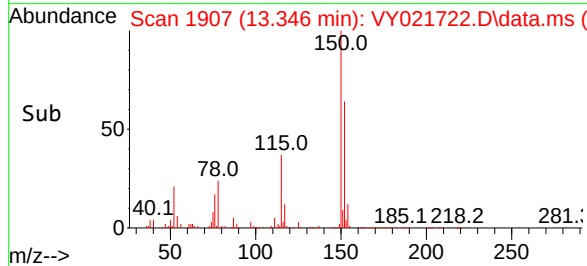
Tgt Ion:152 Resp: 256507

Ion Ratio Lower Upper

152 100

115 53.3 28.8 86.5

150 142.2 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021722.D
 Acq On : 31 Mar 2025 16:11
 Operator : SY/MD
 Sample : Q1675-08
 Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021722.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	24	rVB	79101	111043	1.82%	0.117%
2	3.854	337	350	363	rBV4	28397	97062	1.59%	0.102%
3	4.598	460	472	485	rBV3	85018	308117	5.04%	0.324%
4	6.427	759	772	783	rBV3	29933	105084	1.72%	0.110%
5	6.585	786	798	815	rVV	333372	1058962	17.33%	1.112%
6	6.884	835	847	861	rVB3	24886	91646	1.50%	0.096%
7	7.439	919	938	949	rBV2	61583	200979	3.29%	0.211%
8	7.634	957	970	976	rBV	241760	596585	9.76%	0.627%
9	7.707	976	982	989	rVV	364574	830478	13.59%	0.872%
10	7.786	989	995	1011	rVB	143040	367746	6.02%	0.386%
11	8.061	1032	1040	1051	rVB	216380	487929	7.99%	0.513%
12	8.244	1053	1070	1081	rBV	2570644	6110081	100.00%	6.418%
13	8.609	1122	1130	1141	rBV	607607	1233249	20.18%	1.295%
14	8.847	1161	1169	1176	rBV2	91466	200571	3.28%	0.211%
15	9.073	1199	1206	1210	rBV	217594	485312	7.94%	0.510%
16	9.170	1218	1222	1228	rVB3	105940	196362	3.21%	0.206%
17	9.250	1228	1235	1241	rBV	237802	486302	7.96%	0.511%
18	9.390	1247	1258	1269	rBV2	440638	1007459	16.49%	1.058%
19	9.542	1275	1283	1296	rVB	2123313	4078016	66.74%	4.284%
20	9.670	1296	1304	1312	rBV	2958799	5781253	94.62%	6.073%
21	9.786	1318	1323	1329	rVB4	77630	194957	3.19%	0.205%
22	9.859	1329	1335	1342	rVB2	221753	433276	7.09%	0.455%
23	9.932	1342	1347	1352	rBV2	54301	96074	1.57%	0.101%
24	10.036	1352	1364	1369	rBV2	204897	504557	8.26%	0.530%
25	10.103	1369	1375	1388	rVB	1076024	1984611	32.48%	2.085%
26	10.274	1396	1403	1413	rBV3	185028	534362	8.75%	0.561%
27	10.402	1414	1424	1428	rBV3	143297	334226	5.47%	0.351%
28	10.445	1428	1431	1437	rVB	173734	274271	4.49%	0.288%
29	10.530	1439	1445	1453	rBV4	313399	771317	12.62%	0.810%
30	10.634	1459	1462	1467	rVB4	59974	102218	1.67%	0.107%
31	10.694	1467	1472	1473	rBV2	54304	89324	1.46%	0.094%
32	10.731	1473	1478	1483	rVB	199287	345883	5.66%	0.363%
33	10.829	1484	1494	1501	rBV4	131878	368593	6.03%	0.387%
34	10.902	1501	1506	1507	rBV2	68815	92137	1.51%	0.097%
35	10.932	1507	1511	1516	rVB2	136730	225518	3.69%	0.237%
36	11.012	1516	1524	1529	rBV6	183415	551923	9.03%	0.580%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

37	11.072	1529	1534	1538	rBV3	279292	466486	7.63%	0.490%
38	11.170	1547	1550	1553	rBV	49049	67918	1.11%	0.071%
39	11.225	1553	1559	1568	rVB3	464516	993051	16.25%	1.043%
40	11.341	1568	1578	1581	rBV6	122375	357295	5.85%	0.375%
41	11.414	1585	1590	1595	rBV	1047213	1689516	27.65%	1.775%
42	11.554	1607	1613	1617	rBV3	255694	457141	7.48%	0.480%
43	11.609	1617	1622	1626	rBV3	225754	438264	7.17%	0.460%
44	11.676	1630	1633	1642	rVB6	226736	552988	9.05%	0.581%
45	11.767	1642	1648	1652	rBV3	197745	392598	6.43%	0.412%
46	11.822	1654	1657	1661	rVB	129717	169697	2.78%	0.178%
47	11.865	1661	1664	1667	rBV4	103918	147983	2.42%	0.155%
48	11.926	1667	1674	1680	rBV3	569222	1360797	22.27%	1.429%
49	11.987	1680	1684	1686	rBV2	139098	183398	3.00%	0.193%
50	12.011	1686	1688	1690	rBV	82232	83745	1.37%	0.088%
51	12.048	1690	1694	1698	rVB	666924	872375	14.28%	0.916%
52	12.091	1698	1701	1702	rBV2	118443	135882	2.22%	0.143%
53	12.127	1702	1707	1710	rBV3	562224	974363	15.95%	1.023%
54	12.231	1717	1724	1730	rBV7	330964	994879	16.28%	1.045%
55	12.304	1733	1736	1740	rVB4	170465	268766	4.40%	0.282%
56	12.347	1741	1743	1747	rVB	177963	212578	3.48%	0.223%
57	12.408	1747	1753	1758	rVB3	1028043	1753578	28.70%	1.842%
58	12.499	1758	1768	1771	rBV8	438661	1269803	20.78%	1.334%
59	12.566	1775	1779	1786	rVB3	1016633	1910513	31.27%	2.007%
60	12.651	1786	1793	1799	rBV5	781425	2109117	34.52%	2.215%
61	12.725	1800	1805	1810	rBV5	565286	1470767	24.07%	1.545%
62	12.871	1825	1829	1833	rVB4	518528	789034	12.91%	0.829%
63	12.914	1833	1836	1837	rBV	183588	209444	3.43%	0.220%
64	12.962	1841	1844	1852	rVB5	480077	1010186	16.53%	1.061%
65	13.054	1856	1859	1862	rBV3	245346	317090	5.19%	0.333%
66	13.090	1862	1865	1871	rBV4	473062	914072	14.96%	0.960%
67	13.218	1882	1886	1892	rVB5	577160	1154468	18.89%	1.213%
68	13.273	1892	1895	1899	rVB3	279020	339863	5.56%	0.357%
69	13.346	1902	1907	1915	rVB	921292	1662815	27.21%	1.747%
70	13.487	1926	1930	1934	rVB4	671583	1055985	17.28%	1.109%
71	13.529	1934	1937	1940	rBV4	315816	371856	6.09%	0.391%
72	13.615	1947	1951	1953	rBV4	217311	379187	6.21%	0.398%
73	13.663	1954	1959	1965	rVV2	1940965	3518695	57.59%	3.696%
74	13.993	2010	2013	2018	rBV5	368920	579303	9.48%	0.609%
75	14.066	2019	2025	2030	rVV3	808325	1584129	25.93%	1.664%
76	14.115	2030	2033	2037	rVB3	426387	594646	9.73%	0.625%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

77	14.176	2038	2043	2050	rBV4	2090340	4291318	70.23%	4.508%
78	14.340	2066	2070	2074	rVB2	2060289	2849573	46.64%	2.993%
79	14.395	2075	2079	2086	rVB6	725971	1277746	20.91%	1.342%
80	14.468	2087	2091	2094	rBV2	564582	870649	14.25%	0.915%
81	14.541	2099	2103	2107	rBV6	497622	895504	14.66%	0.941%
82	14.602	2110	2113	2117	rVV4	819915	1416250	23.18%	1.488%
83	14.651	2117	2121	2127	rVB3	1872286	3049140	49.90%	3.203%
84	14.767	2136	2140	2142	rBV	749267	1026928	16.81%	1.079%
85	15.005	2175	2179	2180	rBV2	574880	757683	12.40%	0.796%
86	15.127	2194	2199	2204	rBV	2583004	3958866	64.79%	4.158%
87	15.352	2232	2236	2242	rBV6	637344	1683813	27.56%	1.769%
88	15.511	2258	2262	2267	rVB2	1472672	2518977	41.23%	2.646%
89	16.047	2346	2350	2357	rVB3	1378894	2579951	42.22%	2.710%
90	16.358	2397	2401	2406	rBV4	658162	1063028	17.40%	1.117%
91	16.645	2442	2448	2454	rVB2	1034910	2408529	39.42%	2.530%

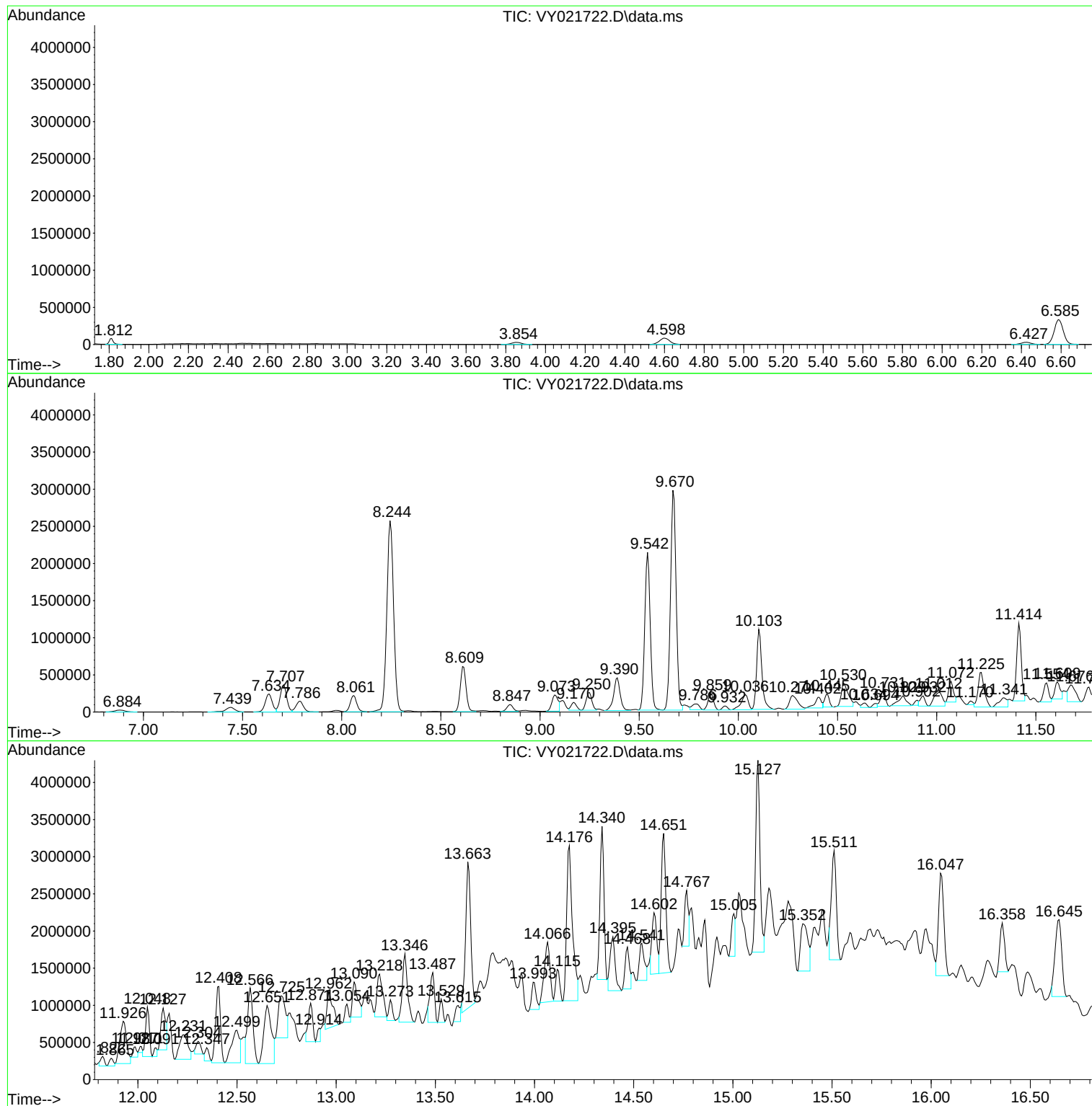
Sum of corrected areas: 95199709

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

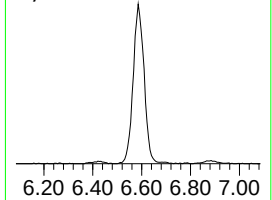
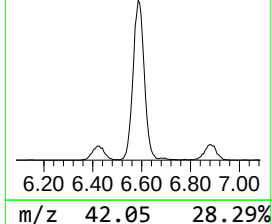
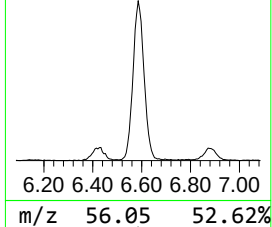
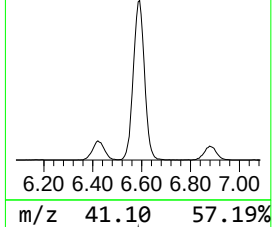
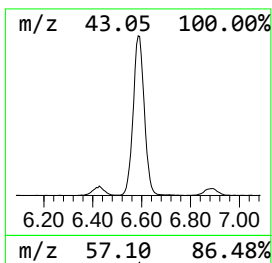
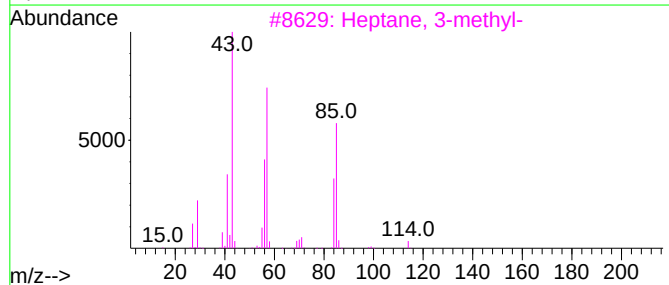
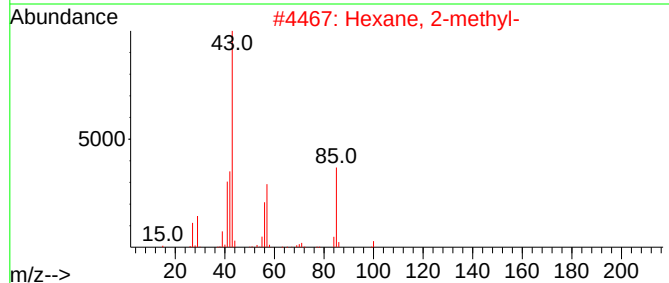
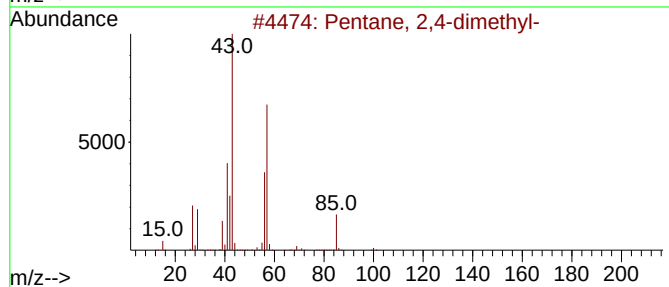
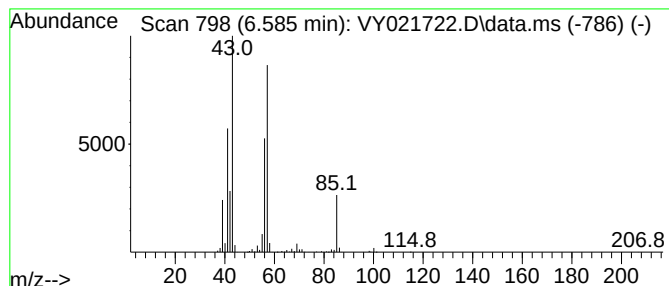
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 1 Pentane, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.585	63.76 ug/l	1058960	Pentafluorobenzene	7.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2			Hexane, 2-methyl-	100	C7H16	000591-76-4	72
3			Heptane, 3-methyl-	114	C8H18	000589-81-1	72
4			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

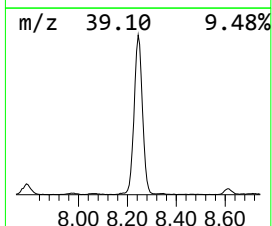
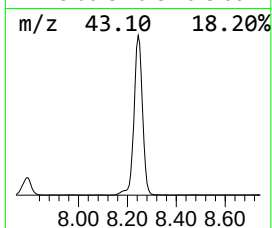
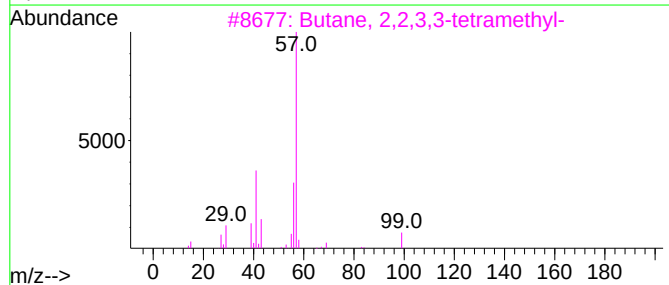
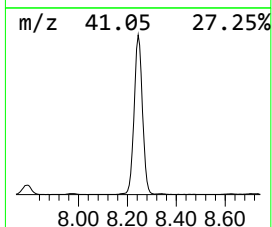
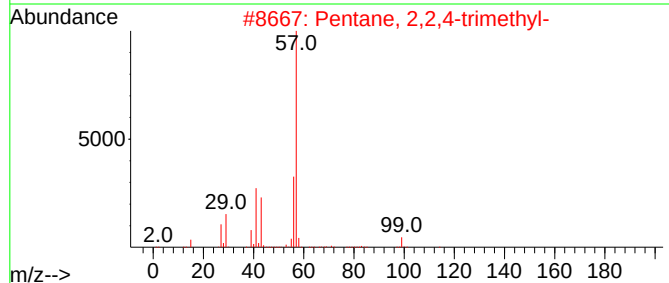
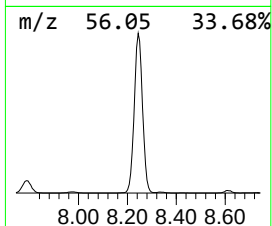
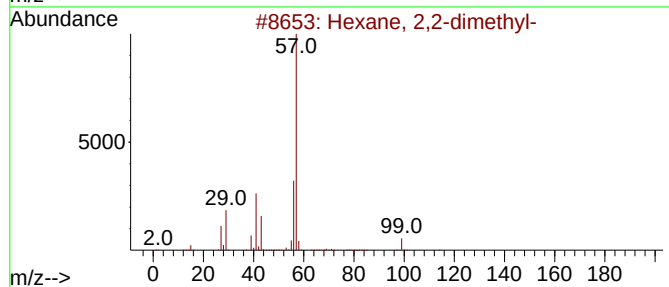
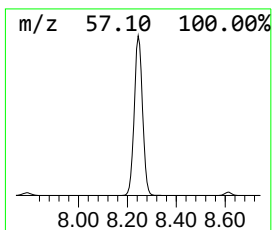
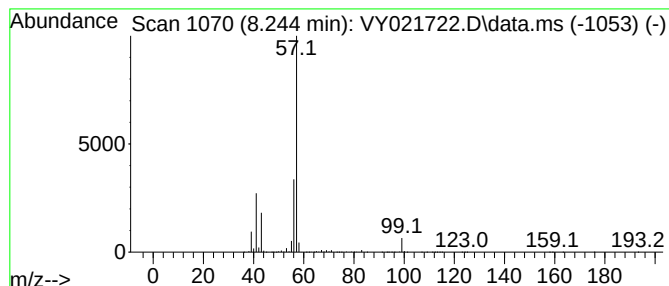
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Quant Title : SW846 8260

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

Peak Number 2 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	247.72 ug/l	6110080	1,4-Difluorobenzene	8.609

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

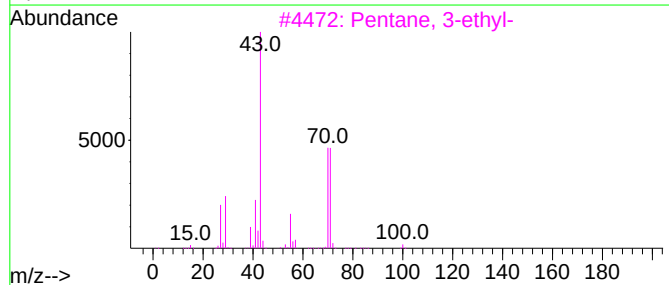
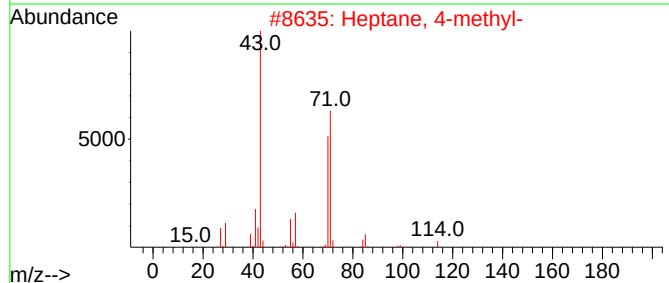
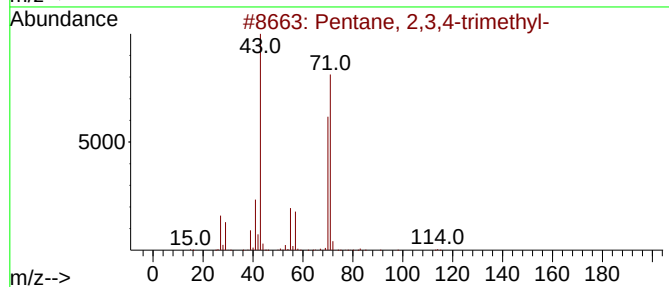
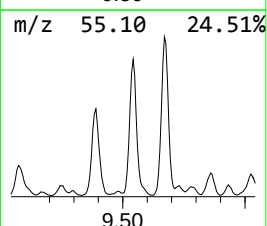
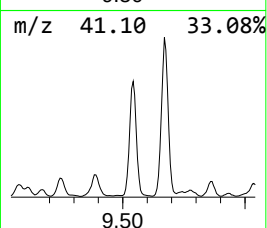
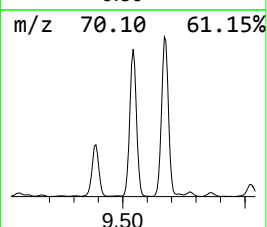
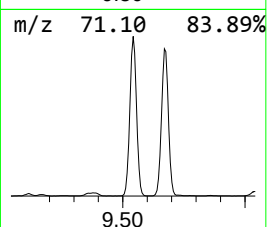
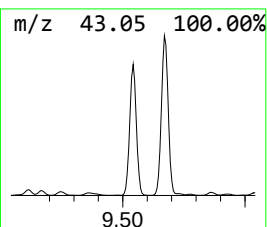
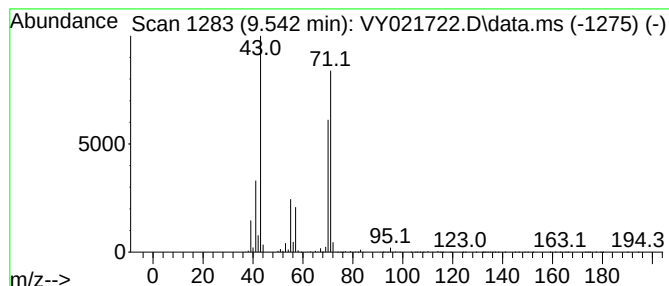
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	165.34 ug/l	4078020	1,4-Difluorobenzene	8.609

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
5			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

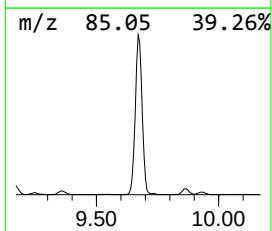
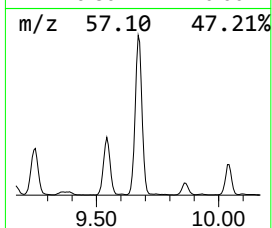
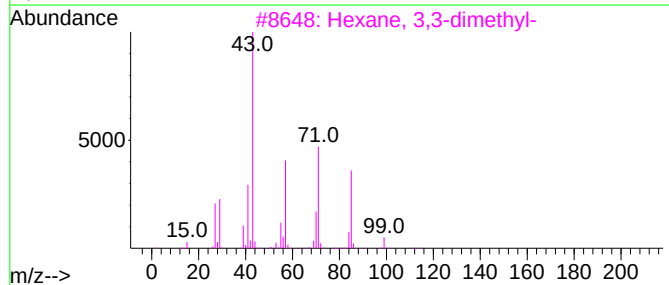
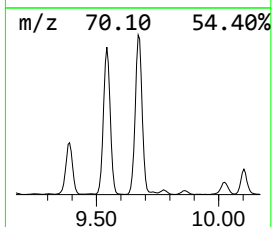
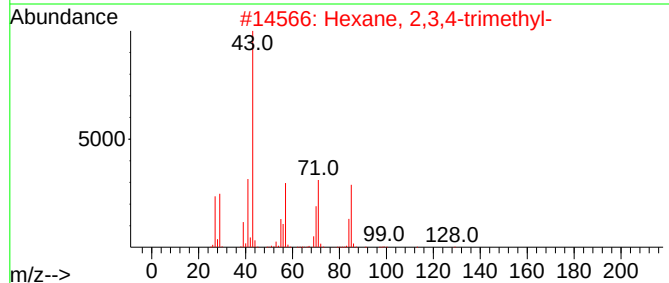
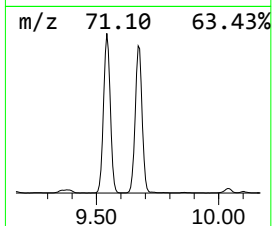
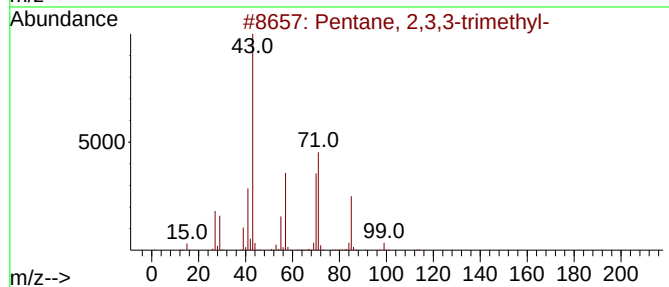
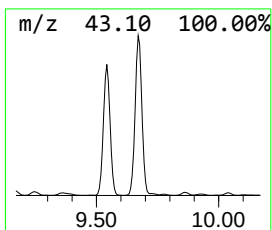
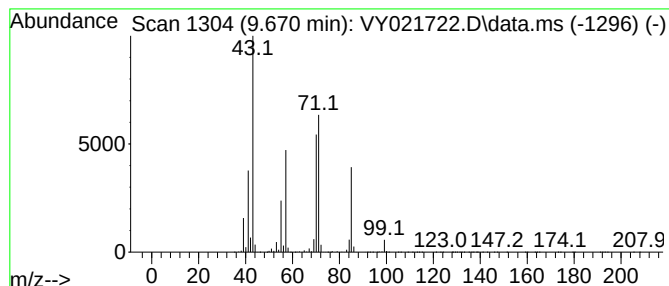
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	234.39 ug/l	5781250	1,4-Difluorobenzene	8.609

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

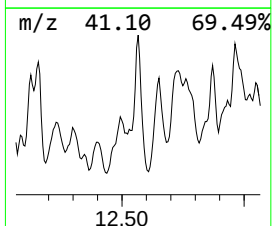
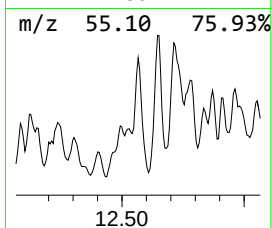
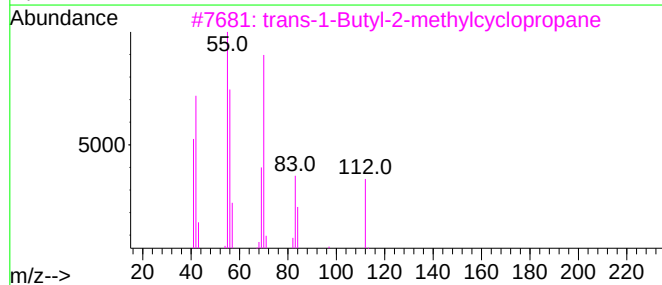
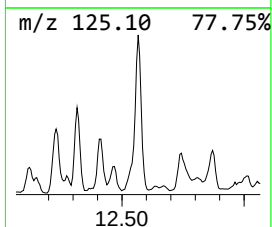
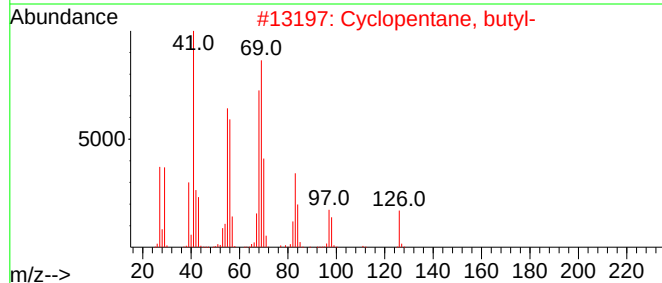
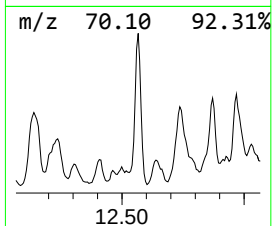
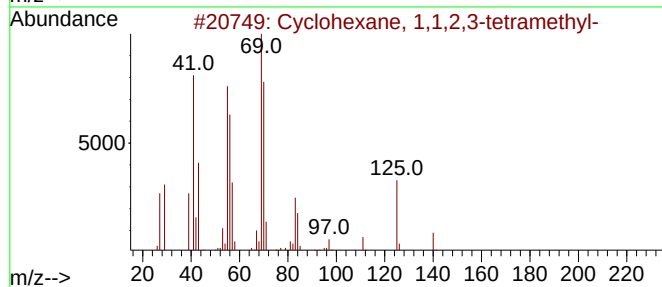
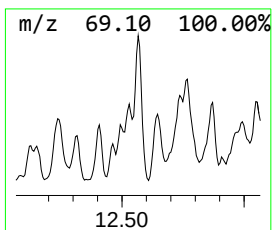
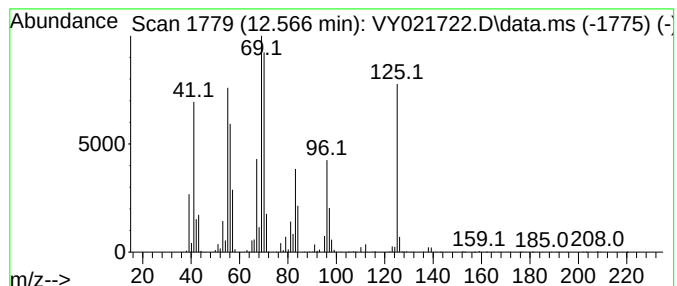
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	57.45 ug/l	1910510	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	50
2			Cyclopentane, butyl-	126	C9H18	002040-95-1	43
3			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38
4			Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	35
5			Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

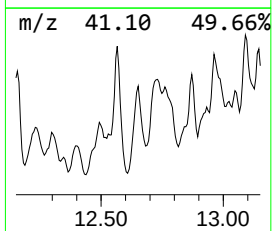
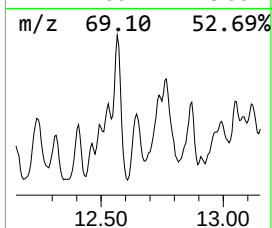
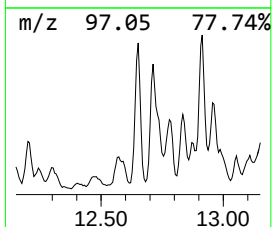
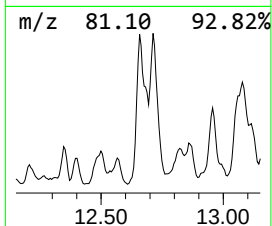
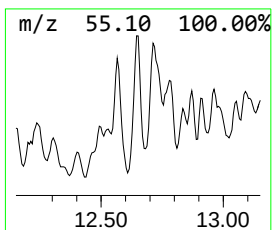
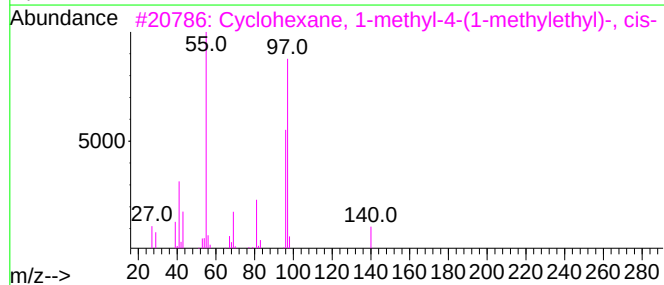
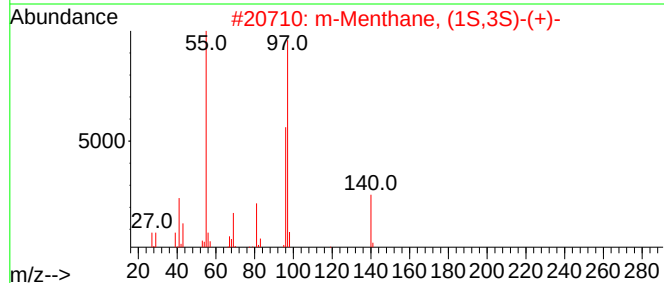
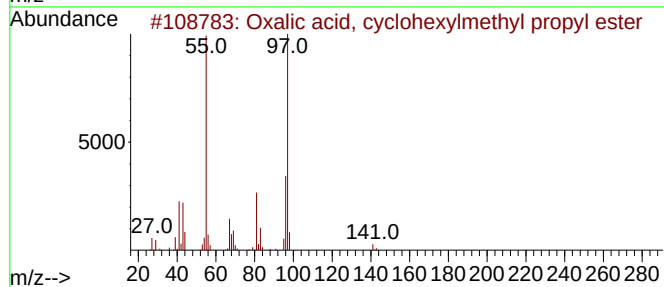
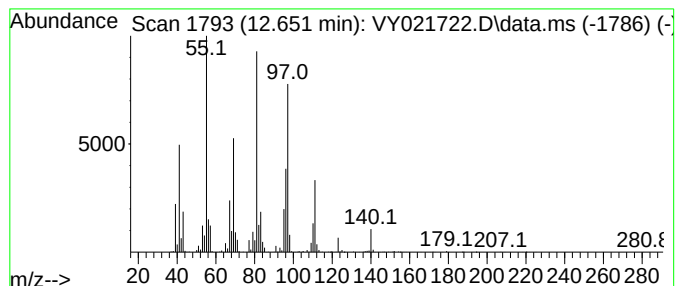
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Quant Title : SW846 8260

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

Peak Number 6 unknown12.652 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.652	63.42 ug/l	2109120	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	46
2			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	46
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

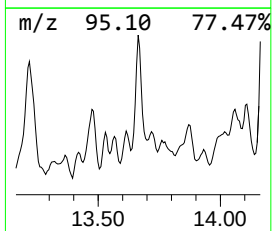
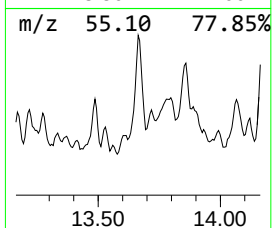
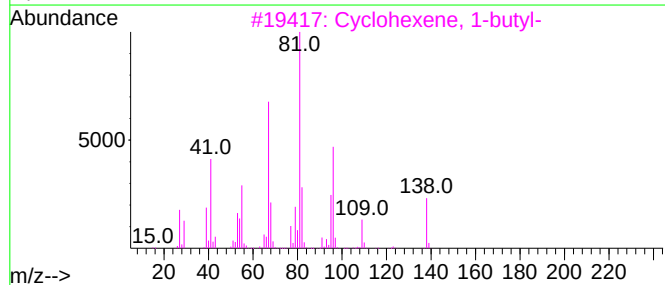
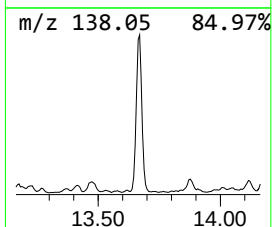
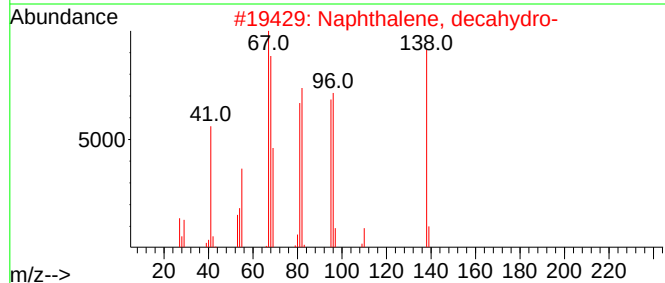
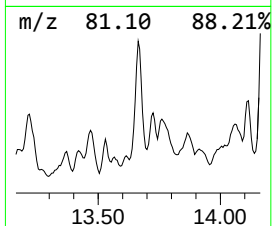
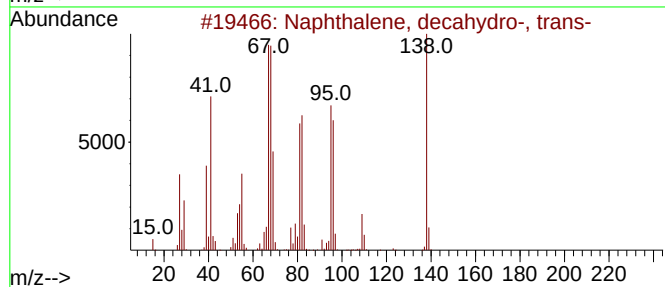
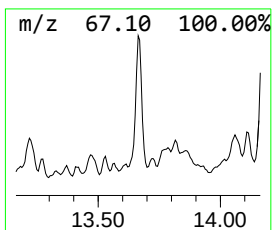
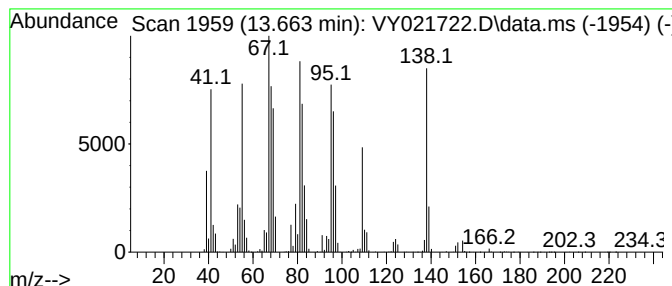
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	105.81 ug/l	3518700	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	90
4			Spiro[4.5]decane	138	C10H18	000176-63-6	76
5			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

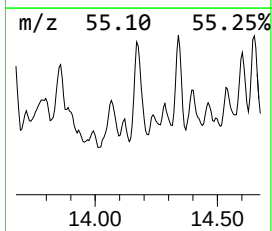
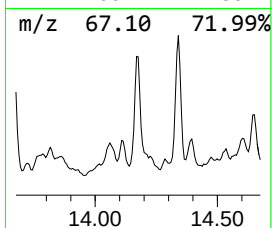
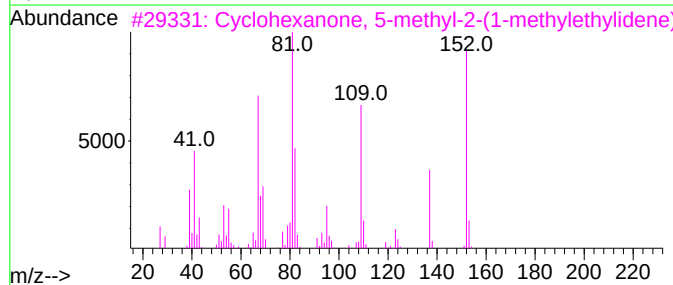
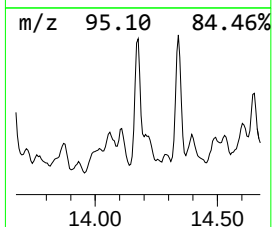
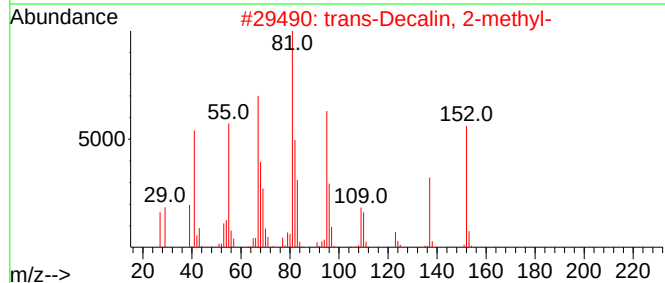
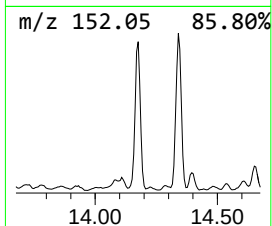
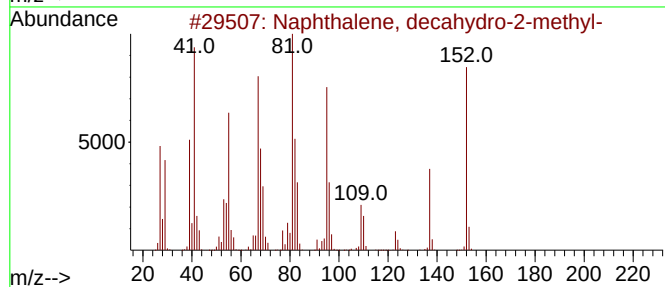
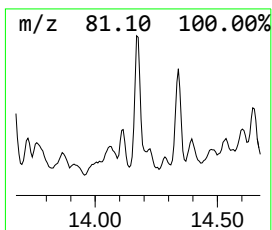
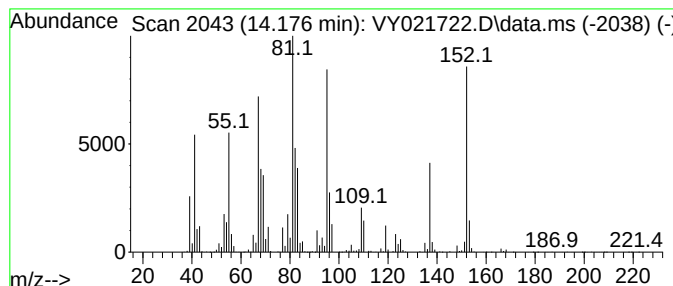
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	129.04 ug/l	4291320	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76
5			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

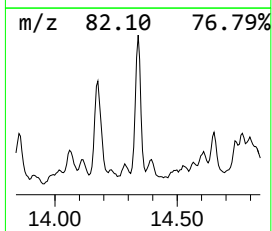
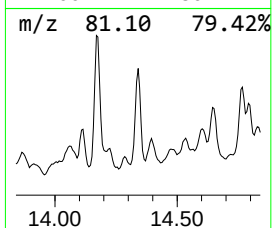
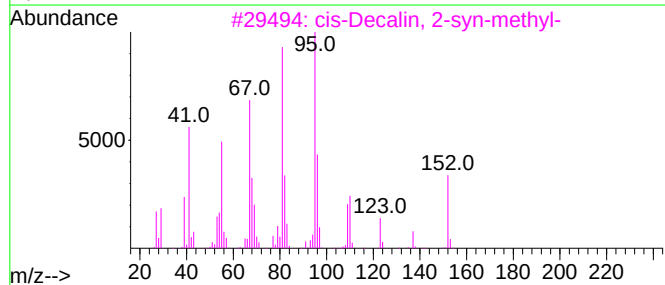
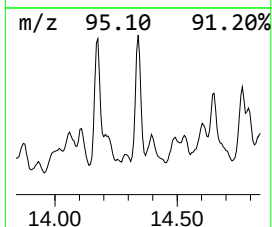
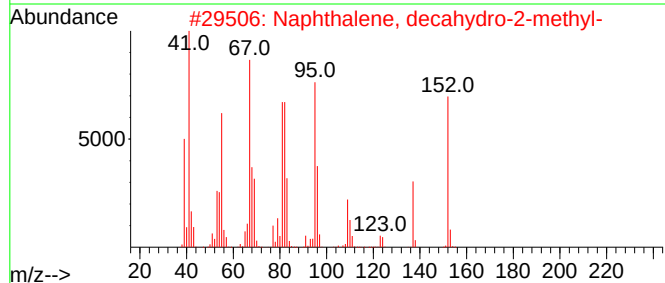
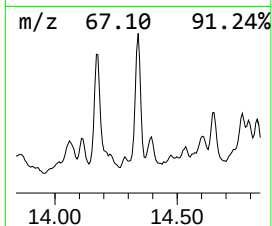
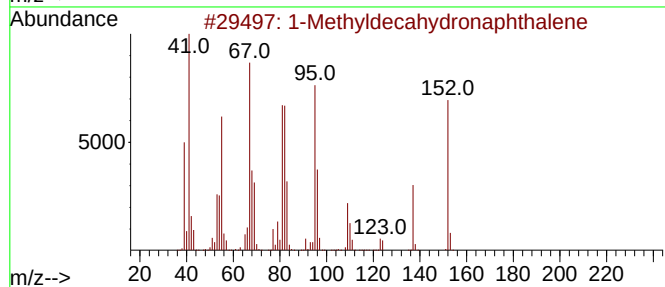
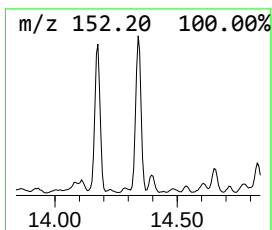
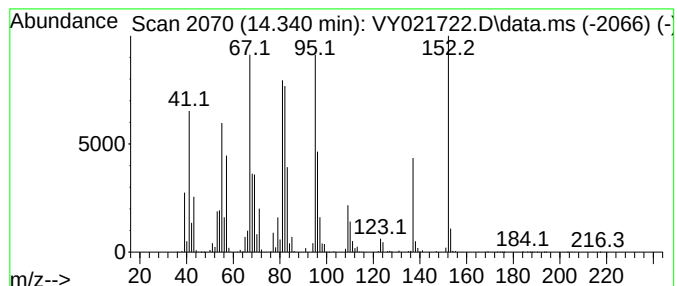
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Quant Title : SW846 8260

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

Peak Number 9 1-Methyldecahydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	85.69 ug/l	2849570	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

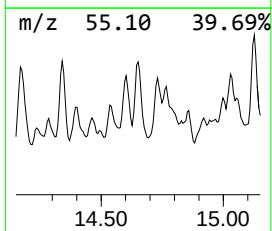
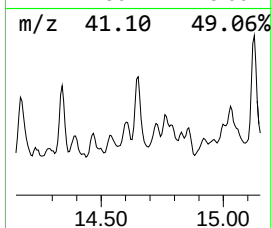
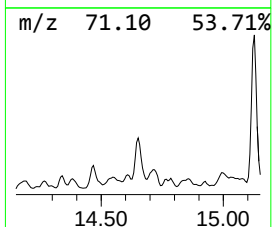
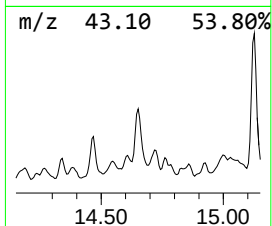
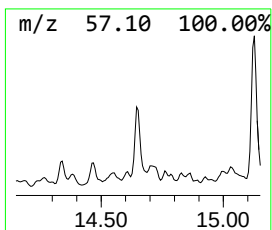
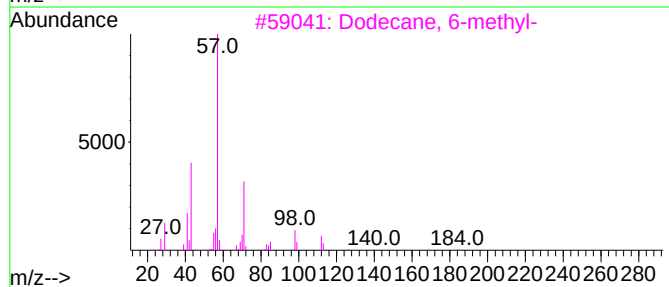
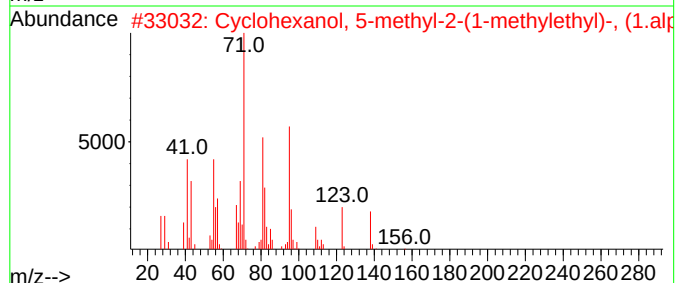
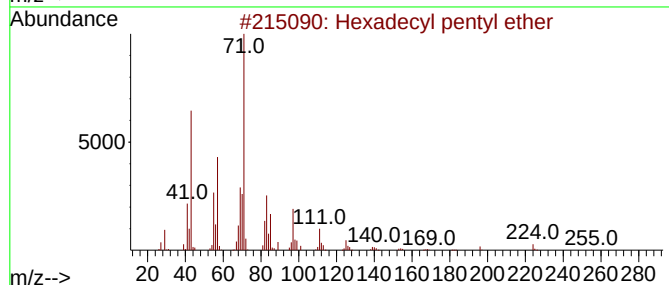
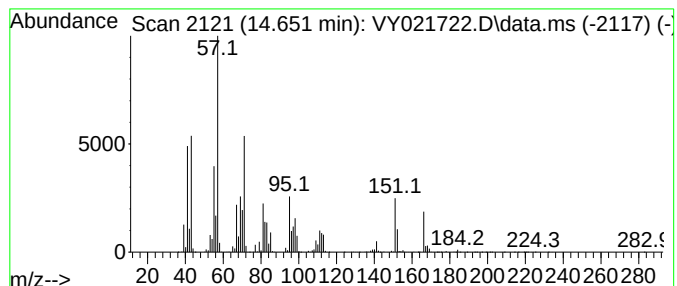
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Quant Title : SW846 8260

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

Peak Number 10 unknown14.651 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	91.69 ug/l	3049140	1,4-Dichlorobenzene-d4	13.347

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecyl pentyl ether	312	C21H44O	1000406-41-8	43
2		Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	43
3		Dodecane, 6-methyl-	184	C13H28	006044-71-9	38
4		2-Methyltetracosane	352	C25H52	001560-78-7	35
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

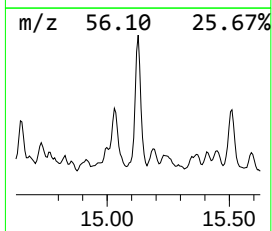
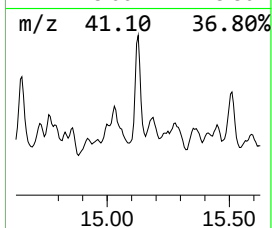
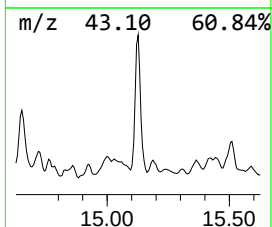
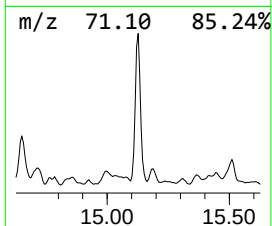
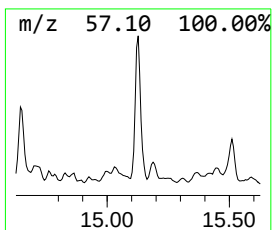
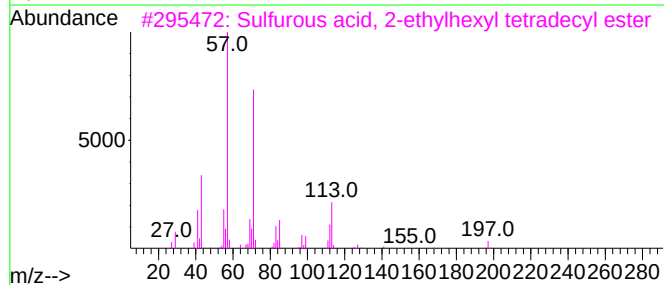
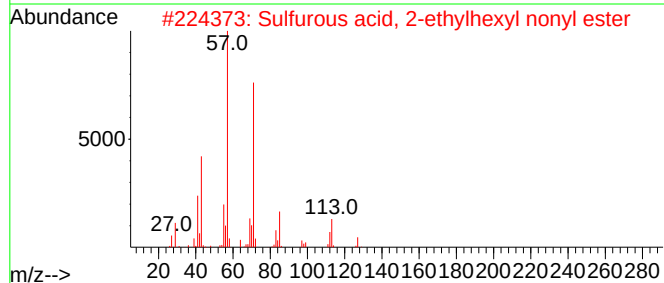
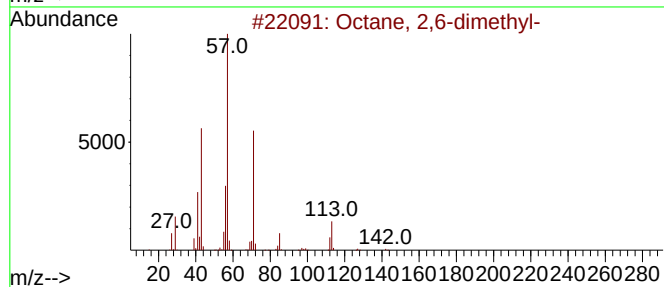
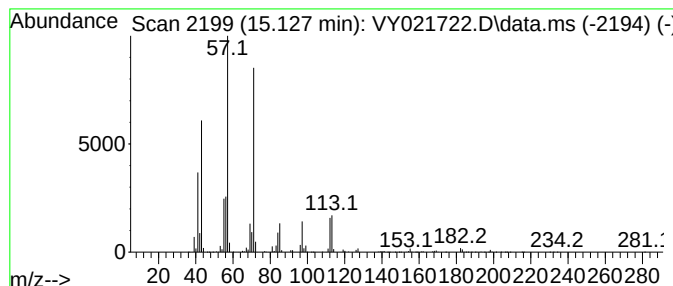
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Quant Title : SW846 8260

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

Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	119.04 ug/l	3958870	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
3			Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
5			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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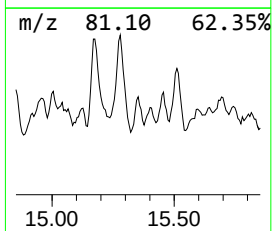
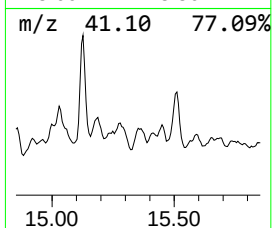
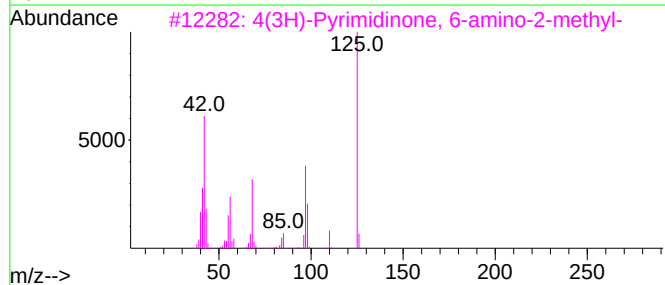
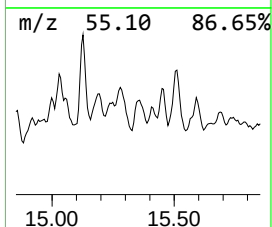
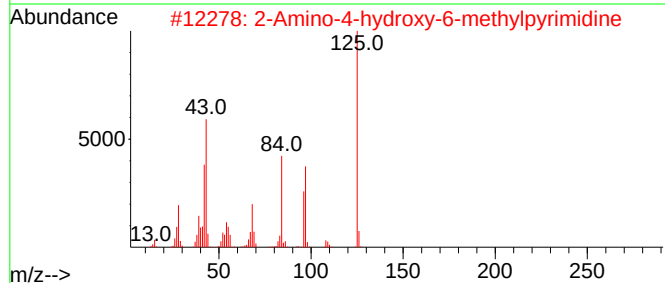
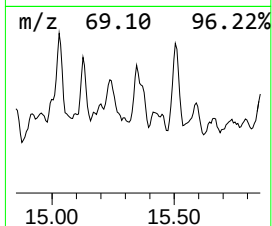
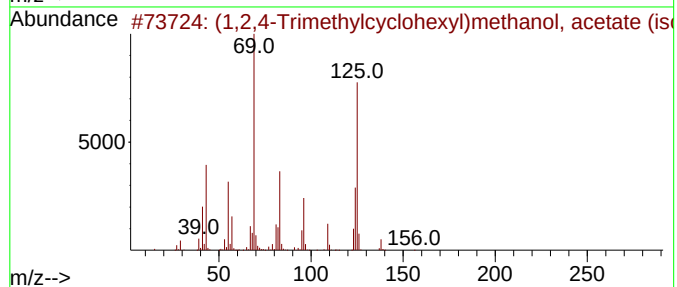
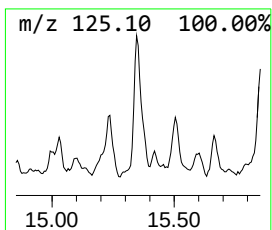
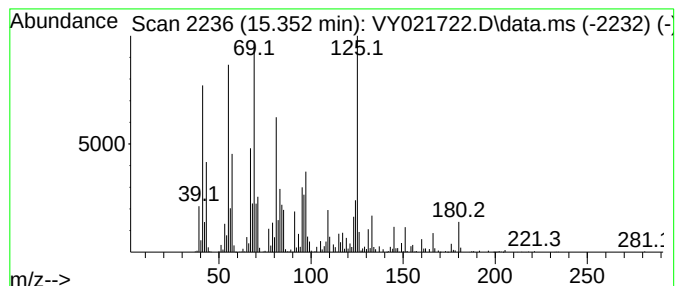
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Quant Title : SW846 8260

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

Peak Number 12 unknown15.352 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.352	50.63 ug/l	1683810	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	43
2			2-Amino-4-hydroxy-6-methylpyrimi...	125	C5H7N3O	003977-29-5	25
3			4(3H)-Pyrimidinone, 6-amino-2-me...	125	C5H7N3O	1000338-09-8	25
4			Mandelic acid imine, p-fluoro-	169	C8H8FN02	1000153-29-2	22
5			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

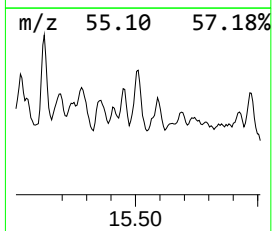
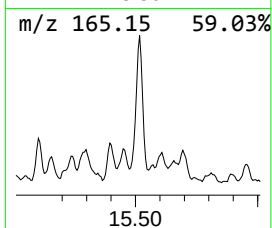
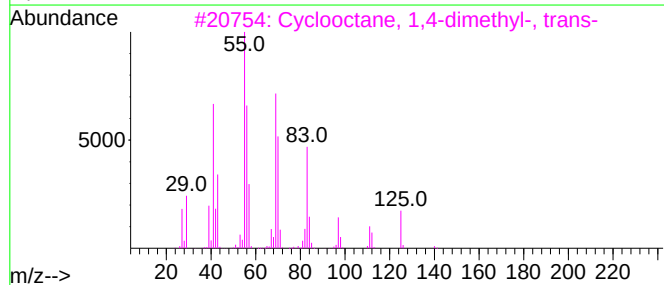
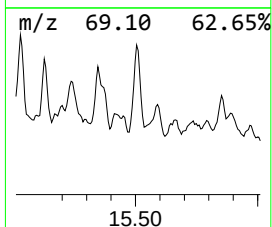
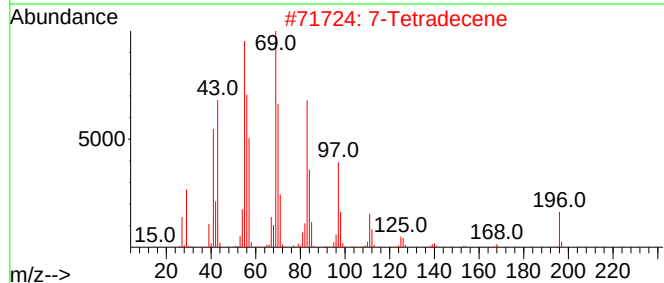
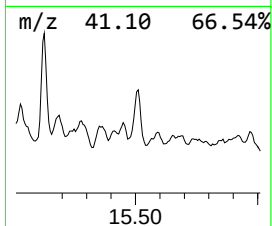
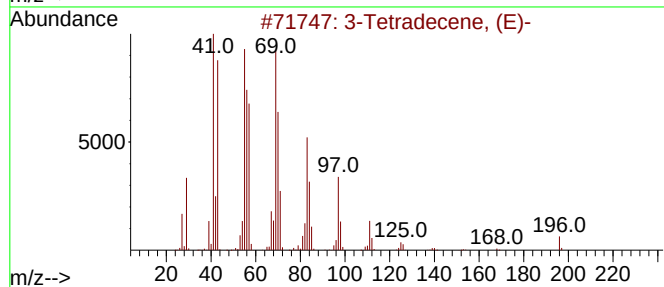
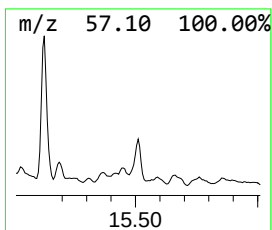
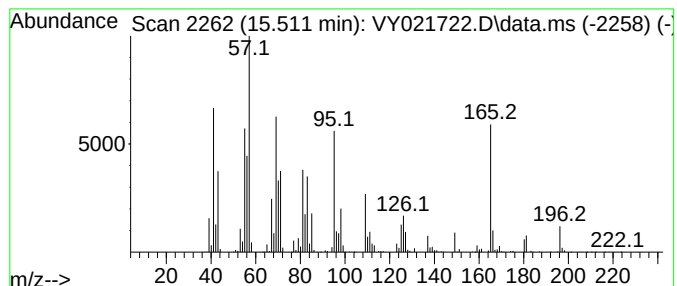
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Quant Title : SW846 8260

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

Peak Number 13 unknown15.511 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	75.74 ug/l	2518980	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Tetradecene, (E)-	196	C14H28	041446-68-8	25
2			7-Tetradecene	196	C14H28	010374-74-0	25
3			Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	25
4			6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	25
5			7-Tetradecene, (E)-	196	C14H28	041446-63-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

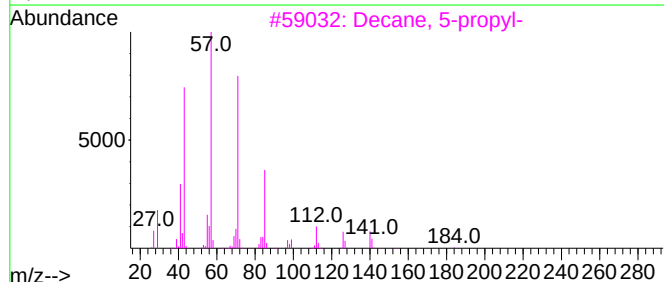
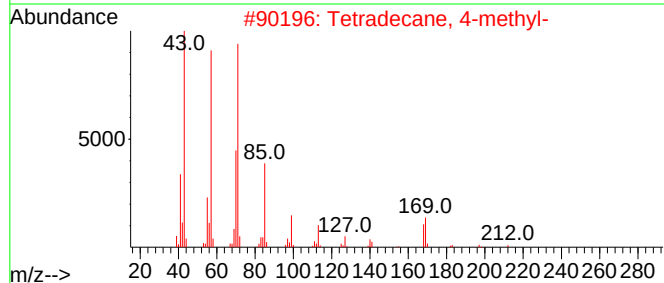
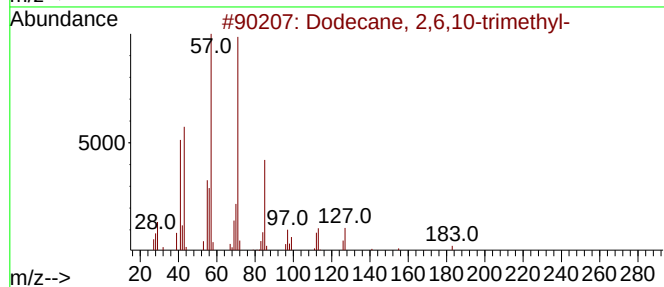
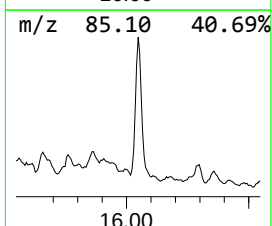
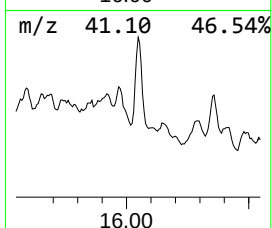
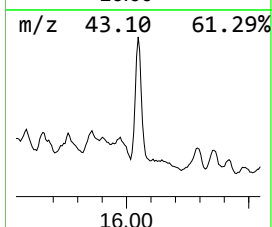
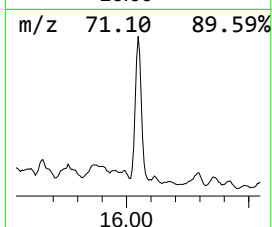
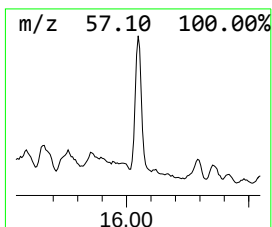
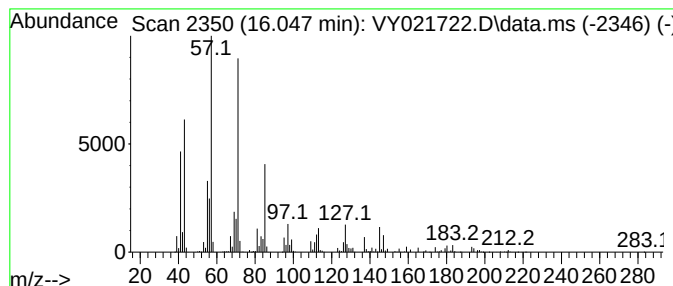
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Quant Title : SW846 8260

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

Peak Number 14 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.047	77.58 ug/l	2579950	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72
3			Decane, 5-propyl-	184	C13H28	017312-62-8	62
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5			Decane, 3-methyl-	156	C11H24	013151-34-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

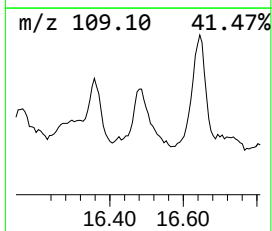
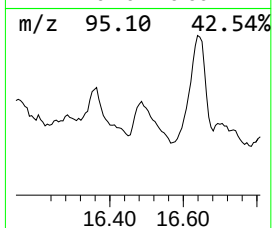
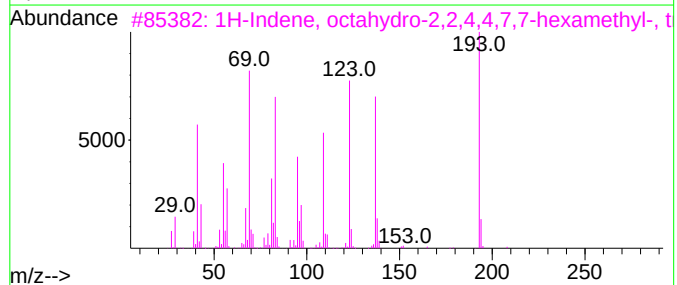
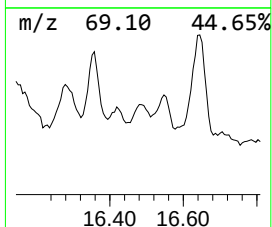
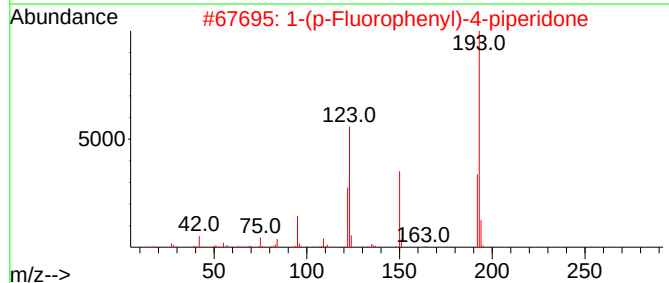
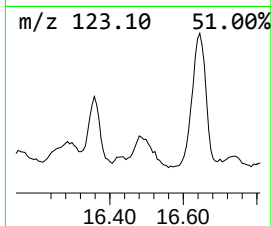
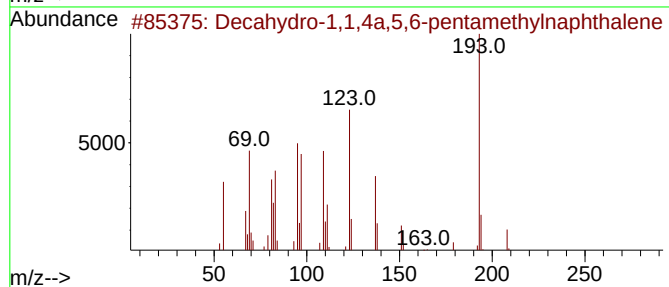
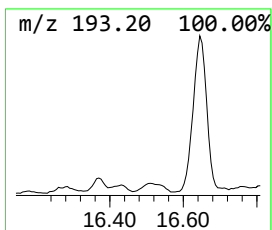
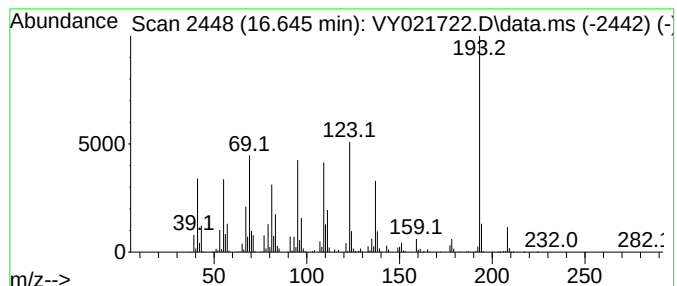
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 15 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	72.42 ug/l	2408530	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	83
2			1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	43
3			1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	43
4			N-(4-Bromo-2-chlorophenyl)-2-[4-...	425	C17H17BrClN3O3	1000482-48-9	35
5			4',6'-Dimethoxy-2',3'-dimethylac...	208	C12H16O3	1010244-80-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Pentane, 2,4-di...	6.585	63.8	ug/l	1058960	1	7.707	830478	50.0
Hexane, 2,2-dim...	8.244	247.7	ug/l	6110080	2	8.609	1233250	50.0
Pentane, 2,3,4-...	9.542	165.3	ug/l	4078020	2	8.609	1233250	50.0
Pentane, 2,3,3-...	9.670	234.4	ug/l	5781250	2	8.609	1233250	50.0
Cyclohexane, 1,...	12.566	57.5	ug/l	1910510	4	13.347	1662820	50.0
unknown12.652	12.652	63.4	ug/l	2109120	4	13.347	1662820	50.0
Naphthalene, de...	13.664	105.8	ug/l	3518700	4	13.347	1662820	50.0
Naphthalene, de...	14.176	129.0	ug/l	4291320	4	13.347	1662820	50.0
1-Methyldecahyd...	14.340	85.7	ug/l	2849570	4	13.347	1662820	50.0
unknown14.651	14.651	91.7	ug/l	3049140	4	13.347	1662820	50.0
Octane, 2,6-dim...	15.127	119.0	ug/l	3958870	4	13.347	1662820	50.0
unknown15.352	15.352	50.6	ug/l	1683810	4	13.347	1662820	50.0
unknown15.511	15.511	75.7	ug/l	2518980	4	13.347	1662820	50.0
Dodecane, 2,6,1...	16.047	77.6	ug/l	2579950	4	13.347	1662820	50.0
Decahydro-1,1,4...	16.645	72.4	ug/l	2408530	4	13.347	1662820	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	12.1	J	3.50	18.6	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.6	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		70 (63) - 130 (155)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	7.707			
540-36-3	1,4-Difluorobenzene	489000	8.616			
3114-55-4	Chlorobenzene-d5	463000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.347			



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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	T3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-09		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	82.4	
Sample Wt/Vol:	8.15	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021737.D
 Acq On : 01 Apr 2025 13:22
 Operator : SY/MD
 Sample : Q1675-09
 Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T3

Quant Time: Apr 02 03:23:04 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)

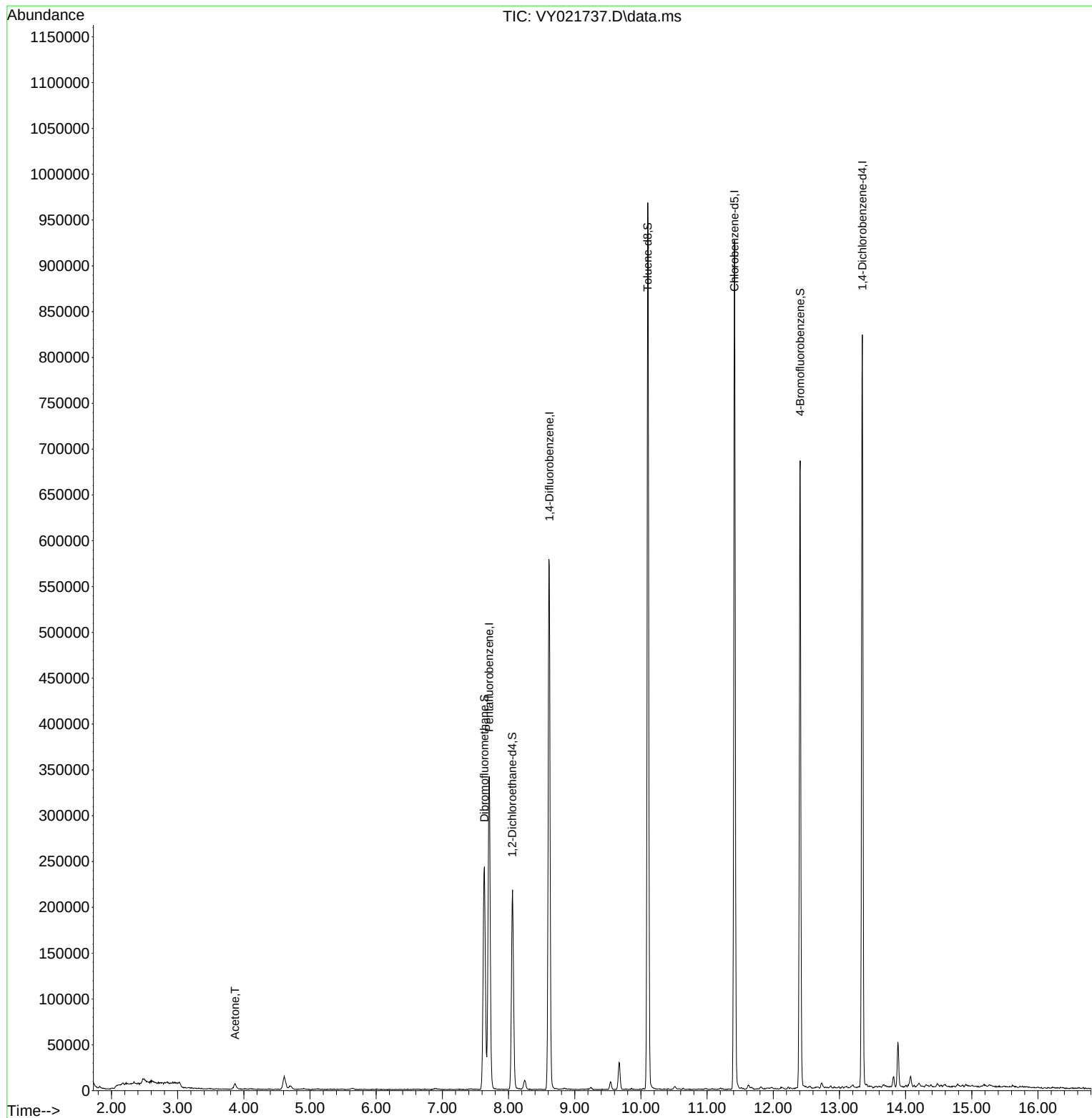
Internal Standards						
1) Pentafluorobenzene	7.707	168	259184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	488873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	462972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	201176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	169059	60.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.400%	
35) Dibromofluoromethane	7.634	113	168115	53.012	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.103	98	605610	50.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	12.408	95	206234	50.539	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.080%	
Target Compounds						
16) Acetone	3.867	43	9363	16.291	ug/l	Qvalue 93

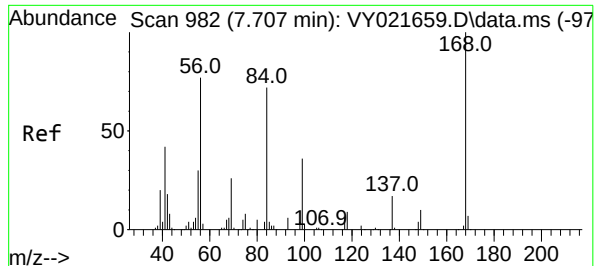
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Time: Apr 02 03:23:04 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

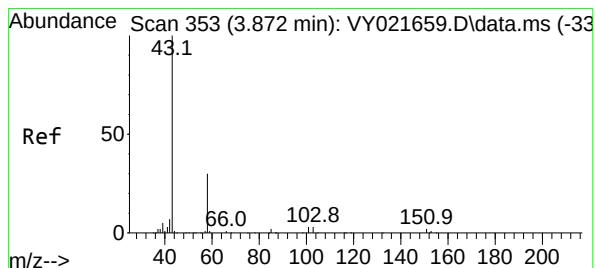
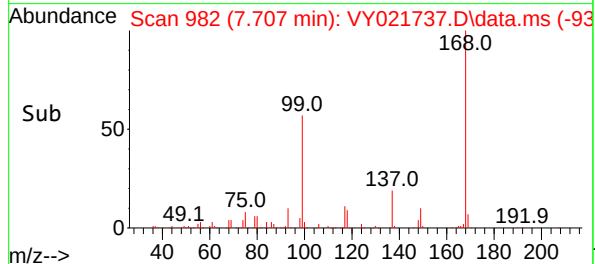
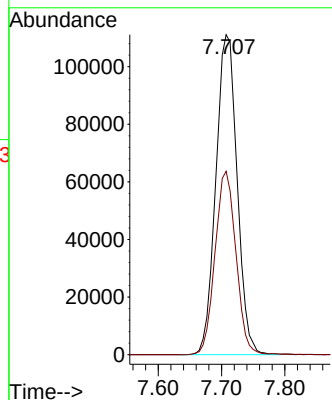
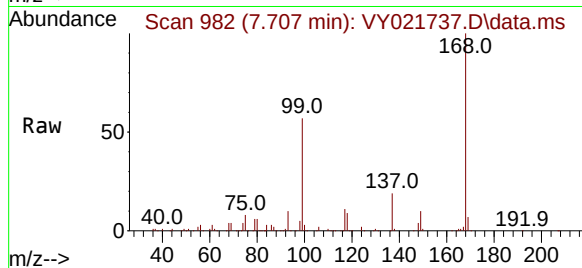




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

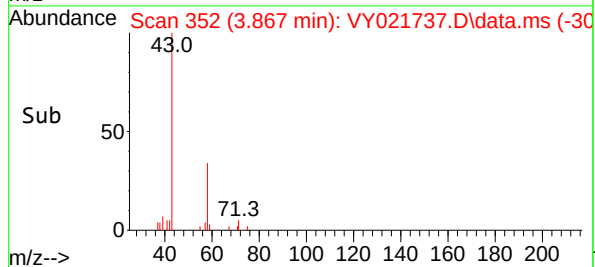
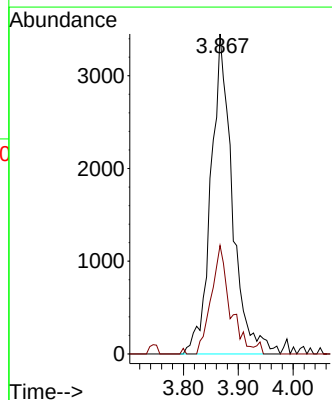
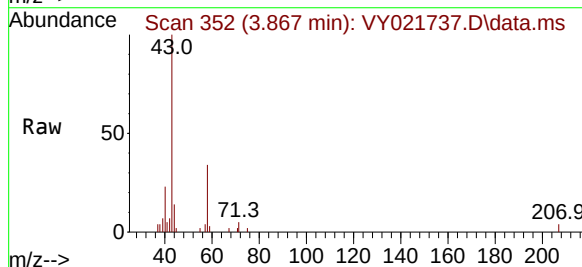
Instrument :
MSVOA_Y
ClientSampleId :
T3

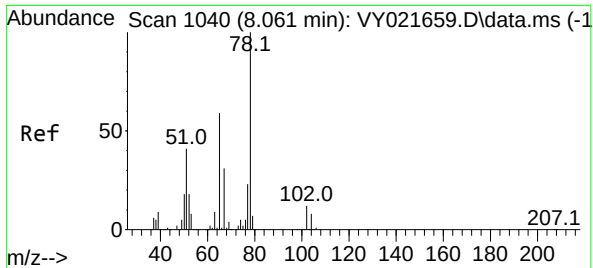
Tgt Ion:168 Resp: 259184
Ion Ratio Lower Upper
168 100
99 57.3 46.7 70.1



#16
Acetone
Concen: 16.291 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion: 43 Resp: 9363
Ion Ratio Lower Upper
43 100
58 33.9 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 60.202 ug/l

RT: 8.055 min Scan# 11039

Delta R.T. -0.006 min

Lab File: VY021737.D

Acq: 01 Apr 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

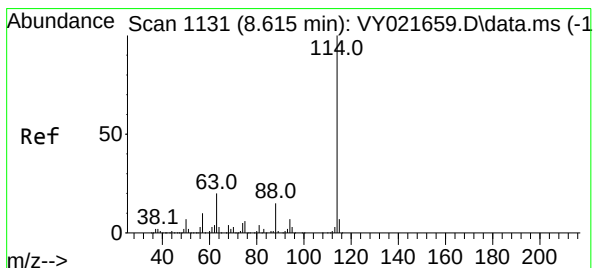
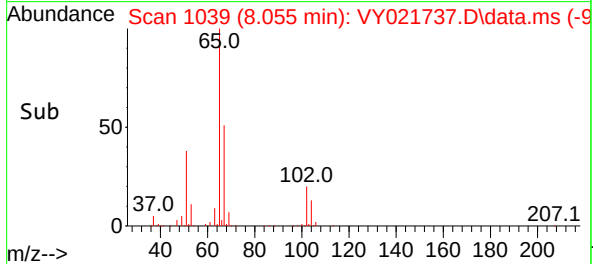
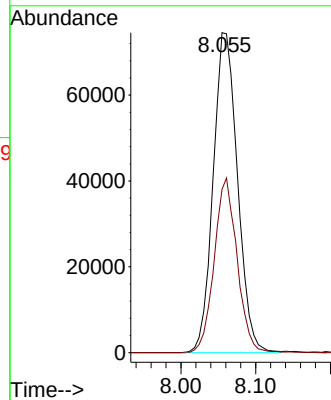
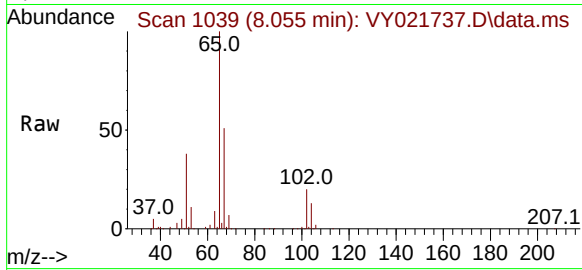
T3

Tgt Ion: 65 Resp: 169059

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: VY021737.D

Acq: 01 Apr 2025 13:22

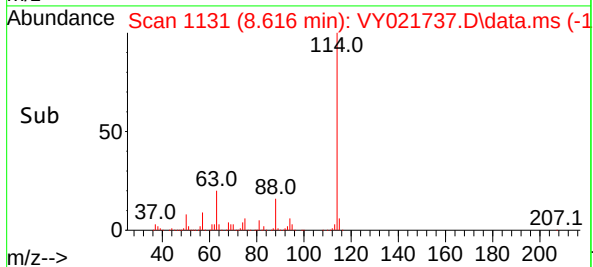
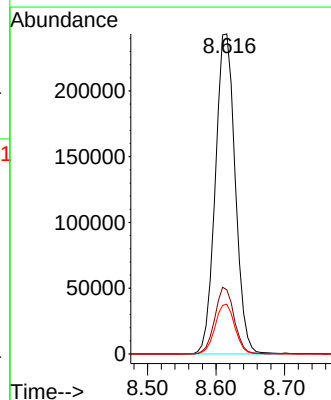
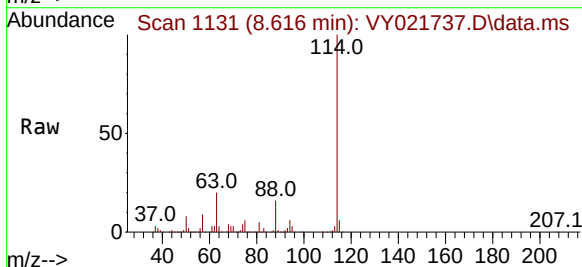
Tgt Ion: 114 Resp: 488873

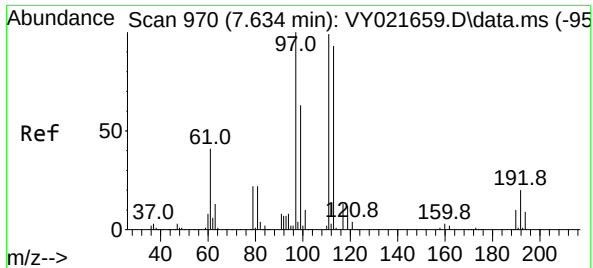
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.012 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021737.D

Acq: 01 Apr 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

T3

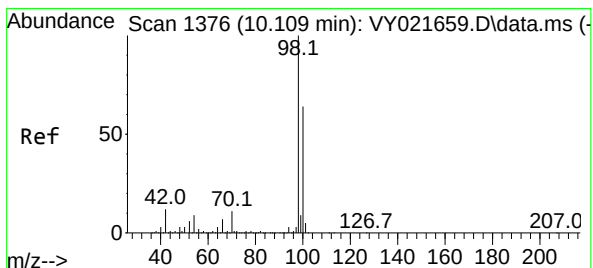
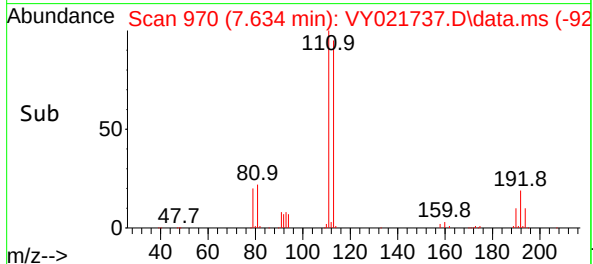
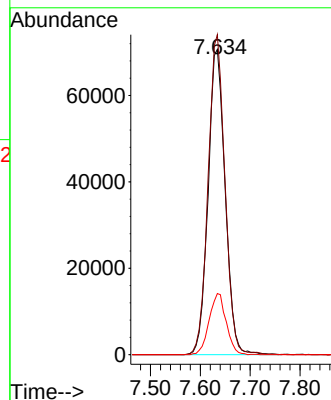
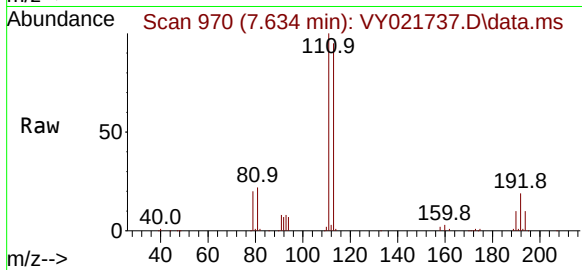
Tgt Ion:113 Resp: 168115

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 19.9 16.2 24.4



#50

Toluene-d8

Concen: 50.198 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021737.D

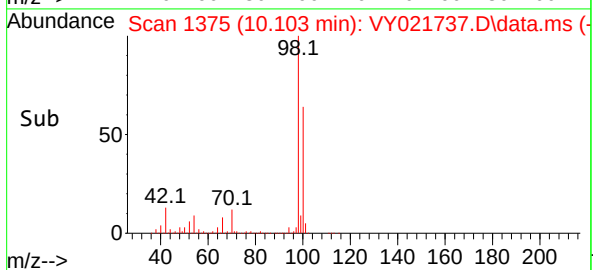
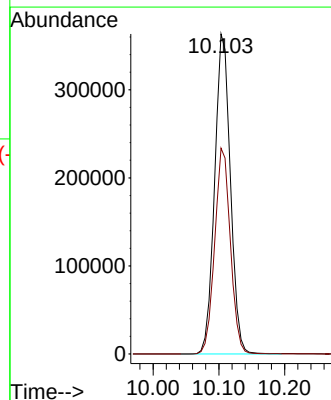
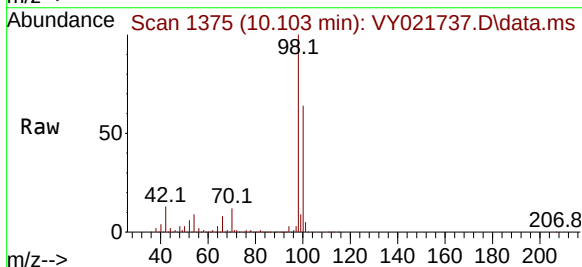
Acq: 01 Apr 2025 13:22

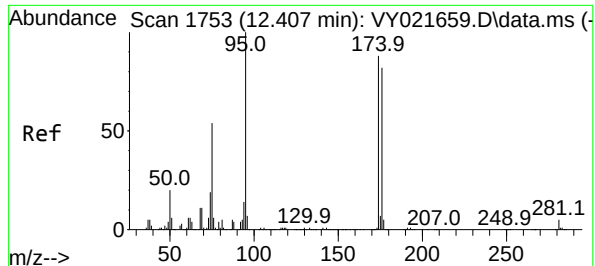
Tgt Ion: 98 Resp: 605610

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 50.539 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021737.D

Acq: 01 Apr 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

T3

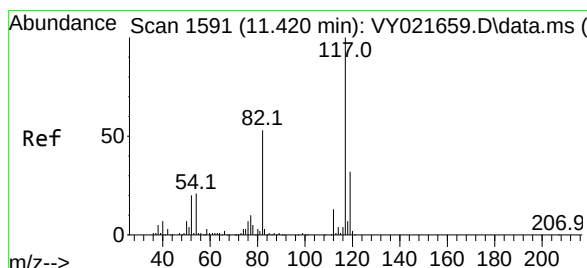
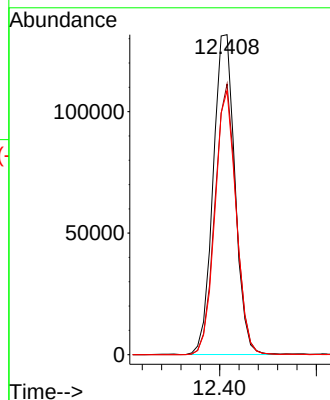
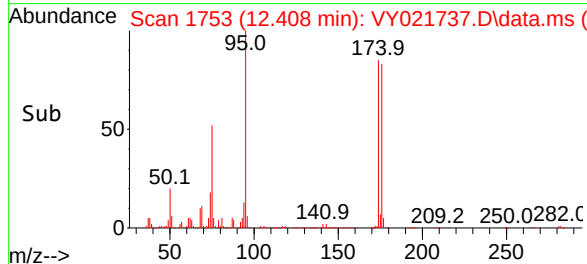
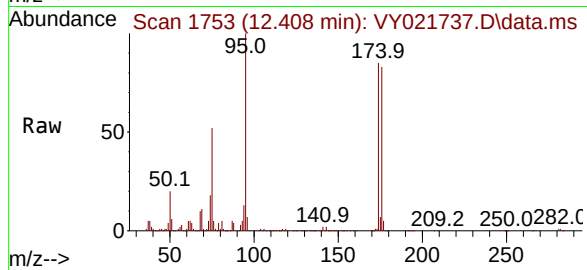
Tgt Ion: 95 Resp: 206234

Ion Ratio Lower Upper

95 100

174 82.2 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: VY021737.D

Acq: 01 Apr 2025 13:22

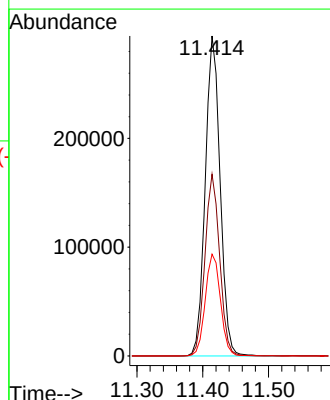
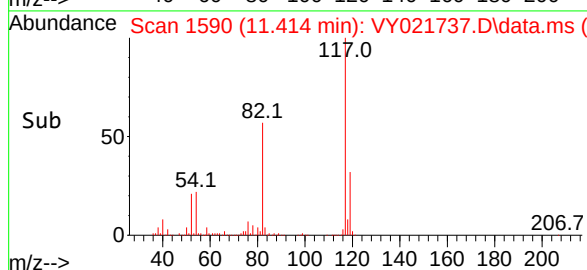
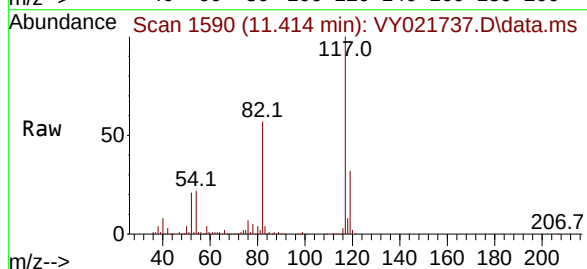
Tgt Ion: 117 Resp: 462972

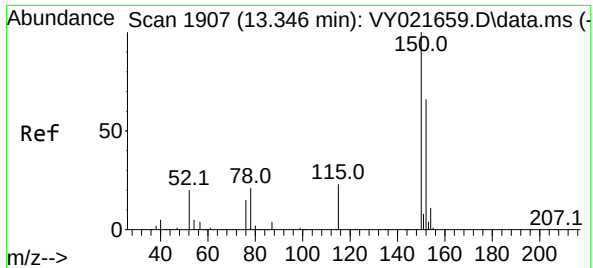
Ion Ratio Lower Upper

117 100

82 56.8 42.8 64.2

119 31.8 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: VY021737.D

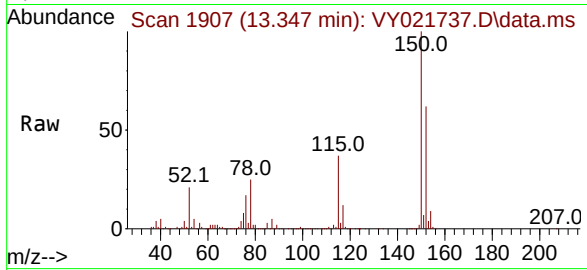
Acq: 01 Apr 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

T3



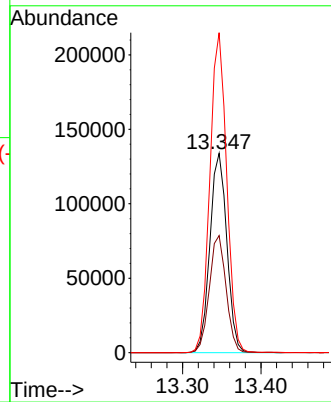
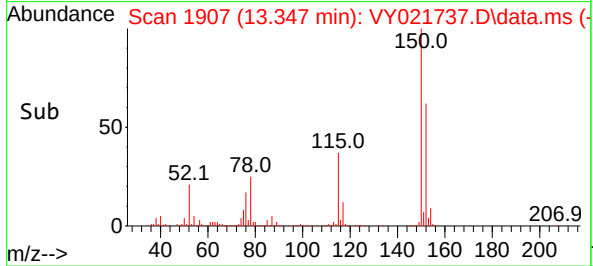
Tgt Ion:152 Resp: 201176

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 159.2 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021737.D
 Acq On : 01 Apr 2025 13:22
 Operator : SY/MD
 Sample : Q1675-09
 Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T3

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021737.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	340	352	360	rBV2	6168	17115	1.06%	0.196%
2	4.610	464	474	482	rBV2	14352	41075	2.54%	0.472%
3	7.634	958	970	976	rBV2	243127	579654	35.89%	6.655%
4	7.707	976	982	996	rVB	341087	777082	48.11%	8.922%
5	8.061	1028	1040	1050	rBV	218088	478668	29.63%	5.496%
6	8.244	1061	1070	1080	rVB3	10091	25337	1.57%	0.291%
7	8.610	1121	1130	1144	rBV	578716	1162390	71.96%	13.345%
8	9.542	1277	1283	1291	rVB5	8423	16660	1.03%	0.191%
9	9.670	1297	1304	1312	rBV2	29629	59938	3.71%	0.688%
10	10.103	1368	1375	1388	rBV	967203	1615287	100.00%	18.545%
11	11.414	1581	1590	1602	rBV	926574	1472174	91.14%	16.902%
12	12.408	1745	1753	1760	rBV	684237	1088698	67.40%	12.499%
13	13.347	1900	1907	1915	rBV	820833	1253836	77.62%	14.395%
14	13.822	1979	1985	1989	rVB2	11226	19312	1.20%	0.222%
15	13.883	1989	1995	2003	rBV2	48932	80805	5.00%	0.928%
16	14.078	2021	2027	2032	rVB7	11552	22113	1.37%	0.254%

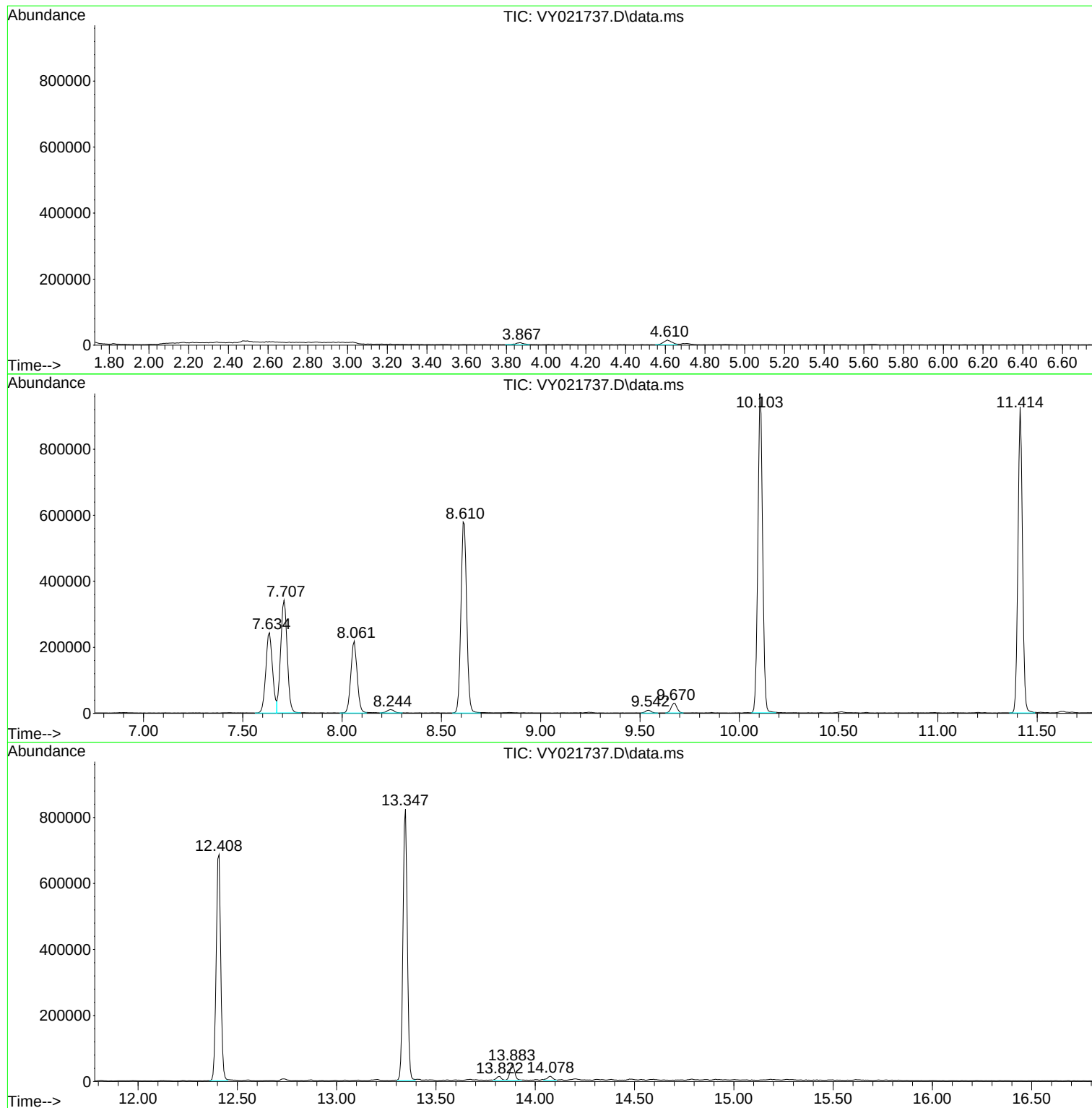
Sum of corrected areas: 8710144

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	3.80	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	3.80	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.92	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	3.80	ug/Kg
67-64-1	Acetone	11.2	J	3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	0.81	U	0.81	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.88	U	0.88	3.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.0	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.54	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		70 (38) - 130 (136)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	579000	8.615			
3114-55-4	Chlorobenzene-d5	553000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.346			



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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	T4		SDG No.:	Q1675	
Lab Sample ID:	Q1675-10		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	83.7	
Sample Wt/Vol:	7.84	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021724.D
 Acq On : 31 Mar 2025 16:58
 Operator : SY/MD
 Sample : Q1675-10
 Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T4

Quant Time: Apr 01 05:39:40 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)

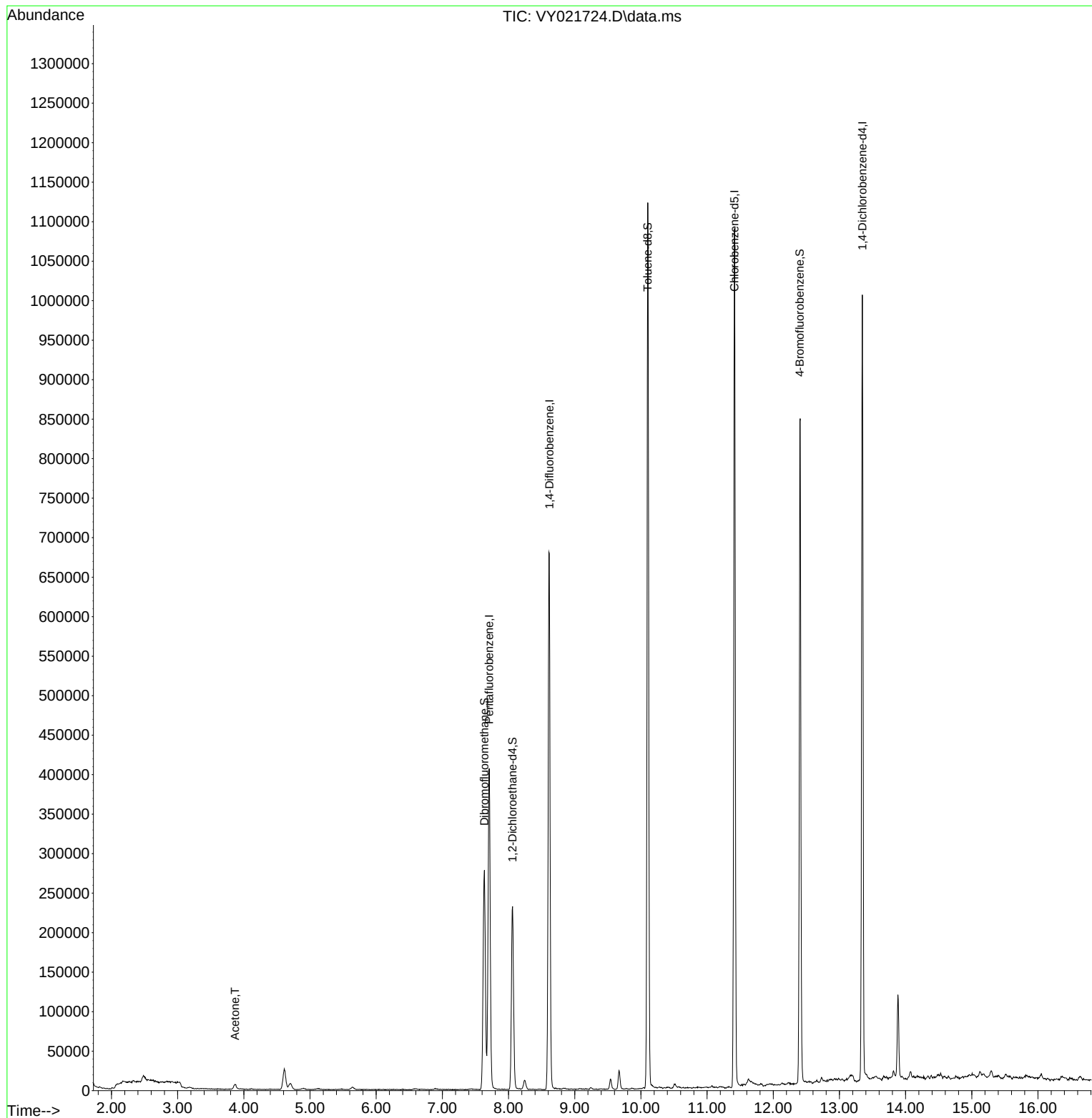
Internal Standards						
1) Pentafluorobenzene	7.707	168	303922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	578602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186392	56.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.200%
35) Dibromofluoromethane	7.634	113	195493	52.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.180%
50) Toluene-d8	10.103	98	709429	49.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.401	95	255994	53.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.000%
Target Compounds						
16) Acetone	3.866	43	9920	14.720	ug/l	Qvalue 93

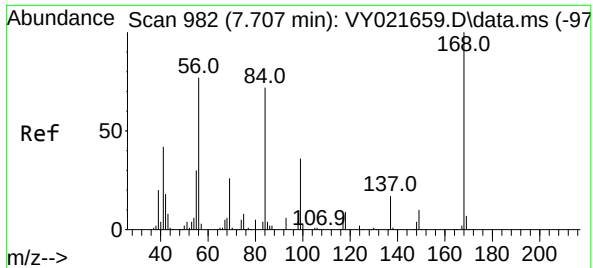
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Time: Apr 01 05:39:40 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

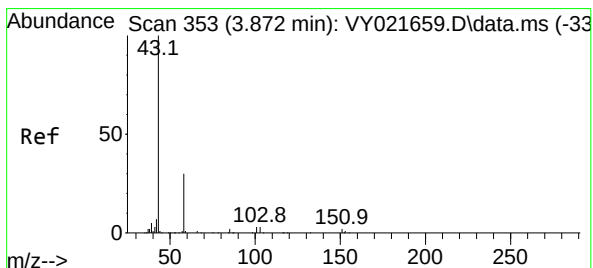
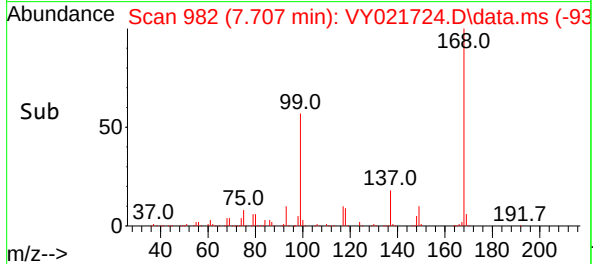
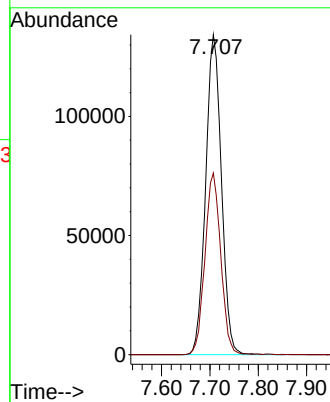
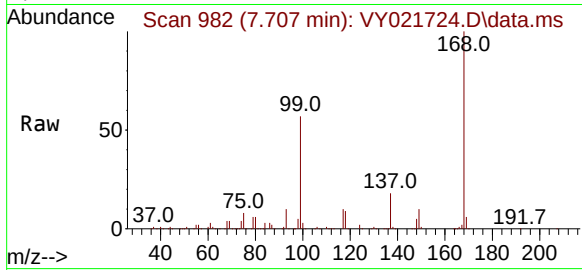




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

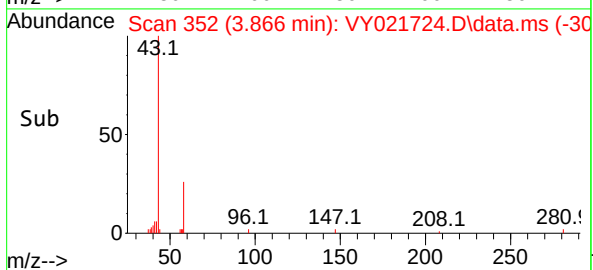
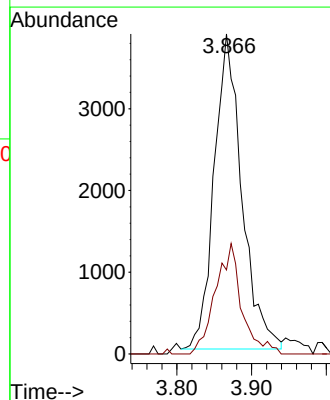
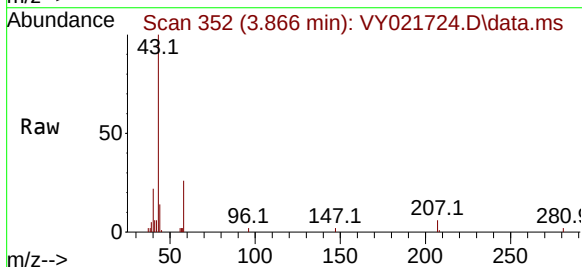
Instrument :
MSVOA_Y
ClientSampleId :
T4

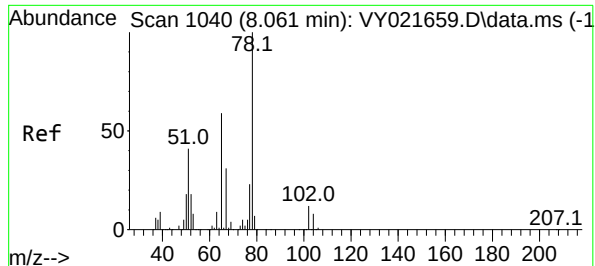
Tgt Ion:168 Resp: 303922
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#16
Acetone
Concen: 14.720 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 43 Resp: 9920
Ion Ratio Lower Upper
43 100
58 26.7 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 56.604 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021724.D

Acq: 31 Mar 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

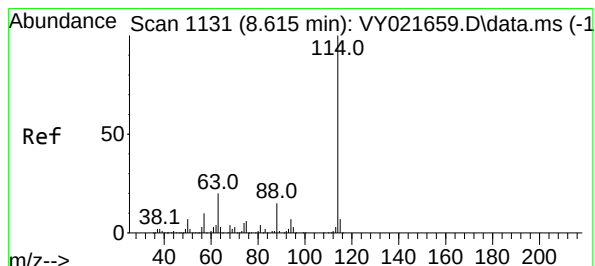
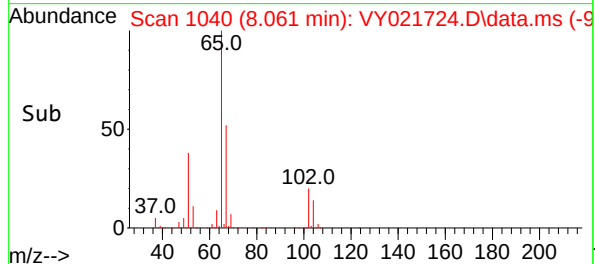
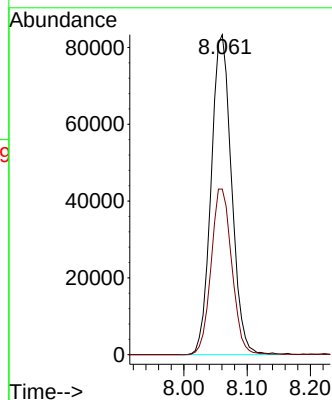
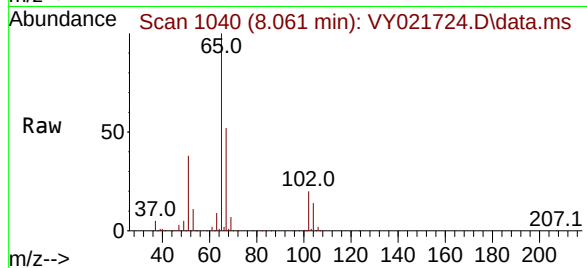
T4

Tgt Ion: 65 Resp: 186392

Ion Ratio Lower Upper

65 100

67 52.7 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: VY021724.D

Acq: 31 Mar 2025 16:58

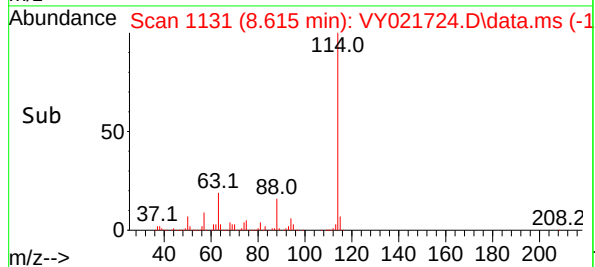
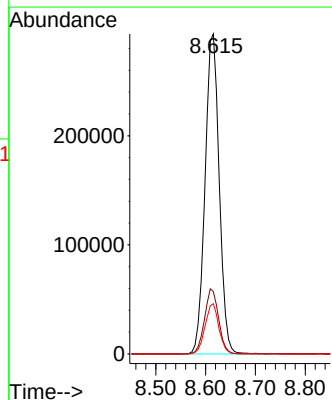
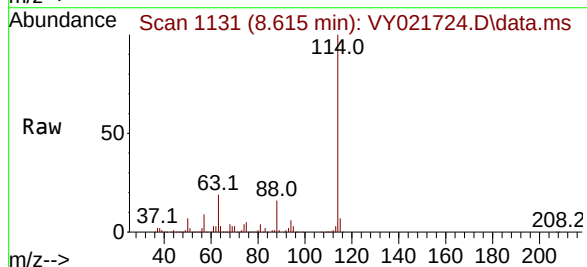
Tgt Ion: 114 Resp: 578602

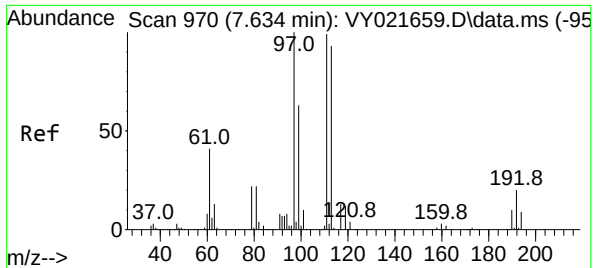
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 15.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.086 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021724.D

Acq: 31 Mar 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

T4

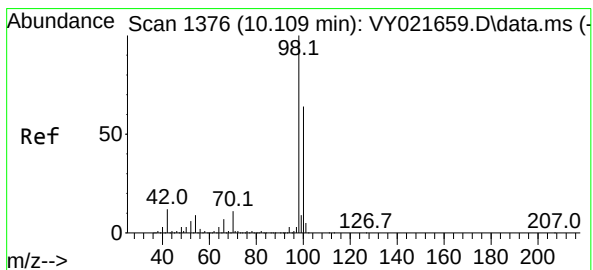
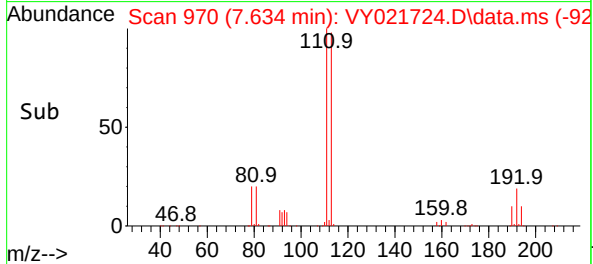
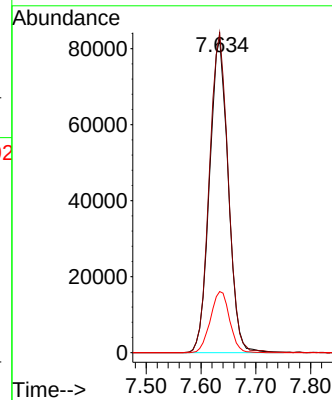
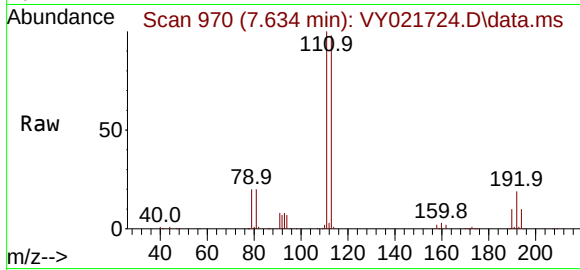
Tgt Ion:113 Resp: 195493

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 20.0 16.2 24.4



#50

Toluene-d8

Concen: 49.685 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021724.D

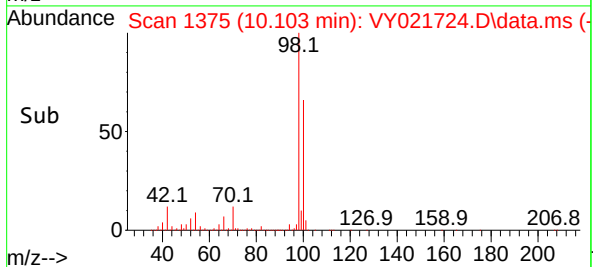
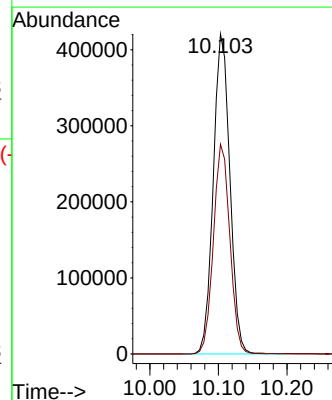
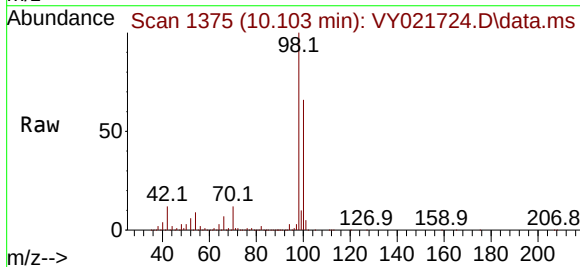
Acq: 31 Mar 2025 16:58

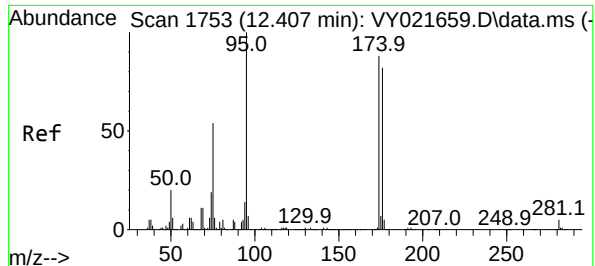
Tgt Ion: 98 Resp: 709429

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 53.004 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021724.D

Acq: 31 Mar 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

T4

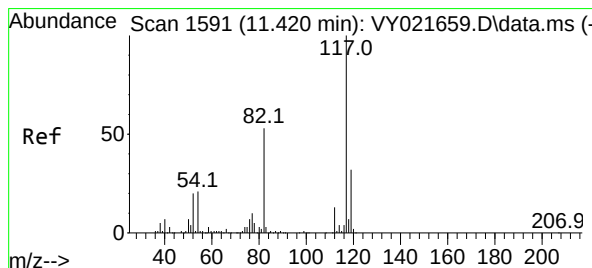
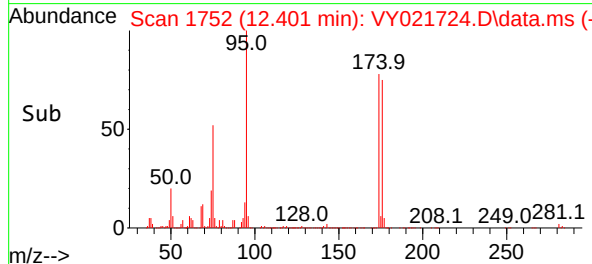
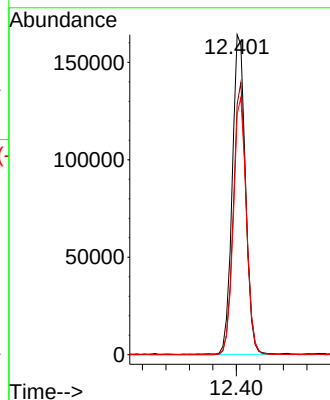
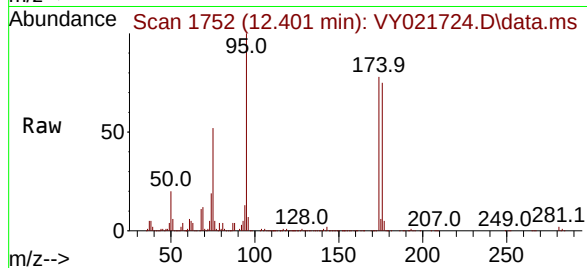
Tgt Ion: 95 Resp: 255994

Ion Ratio Lower Upper

95 100

174 83.1 0.0 170.8

176 79.4 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: VY021724.D

Acq: 31 Mar 2025 16:58

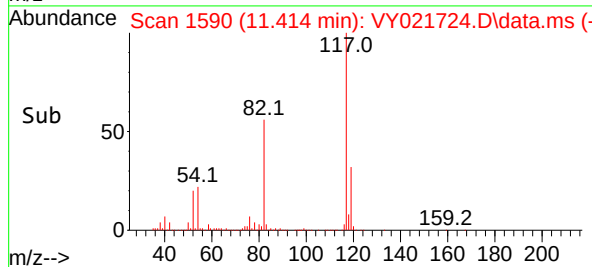
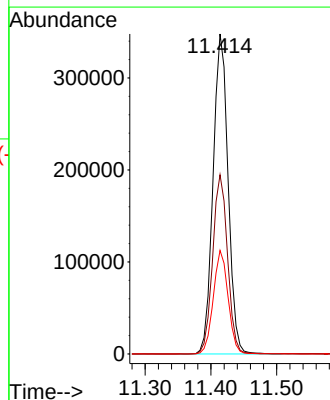
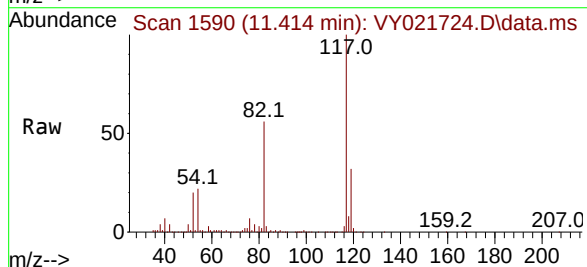
Tgt Ion: 117 Resp: 553448

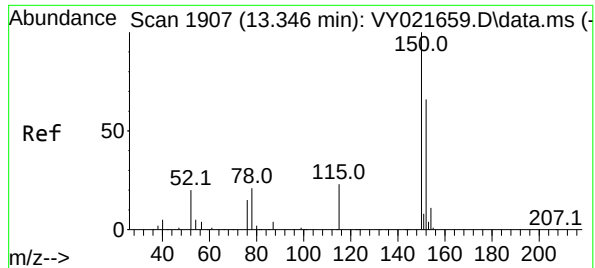
Ion Ratio Lower Upper

117 100

82 56.0 42.8 64.2

119 32.4 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: VY021724.D

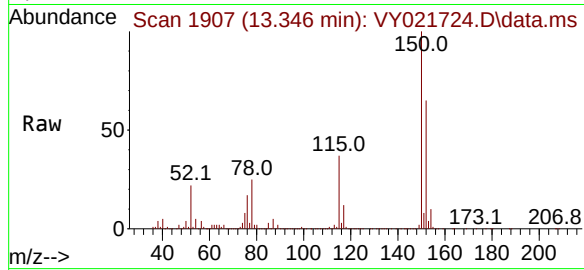
Acq: 31 Mar 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

T4



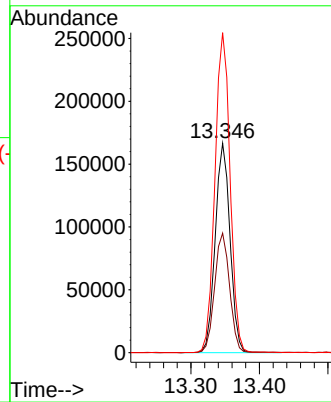
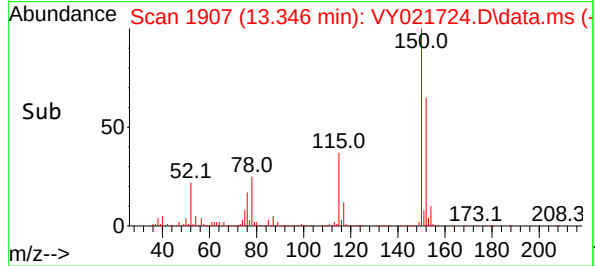
Tgt Ion:152 Resp: 250658

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 156.0 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021724.D
 Acq On : 31 Mar 2025 16:58
 Operator : SY/MD
 Sample : Q1675-10
 Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T4

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021724.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	463	474	483	rBV2	26290	79582	4.20%	0.764%
2	4.708	483	490	501	rVB2	7624	25711	1.36%	0.247%
3	7.634	959	970	976	rBV2	277790	670365	35.39%	6.436%
4	7.707	976	982	1004	rVB	406239	917182	48.42%	8.806%
5	8.061	1030	1040	1051	rBV	231862	523861	27.66%	5.029%
6	8.244	1059	1070	1079	rVB3	11769	32464	1.71%	0.312%
7	8.609	1121	1130	1144	rBV	680191	1356695	71.63%	13.025%
8	9.542	1277	1283	1293	rVB2	13109	27723	1.46%	0.266%
9	9.670	1296	1304	1311	rBV2	23563	48186	2.54%	0.463%
10	10.103	1367	1375	1384	rBV	1121330	1894123	100.00%	18.185%
11	11.414	1583	1590	1605	rBV	1087186	1730856	91.38%	16.618%
12	11.627	1617	1625	1630	rBV9	7960	22359	1.18%	0.215%
13	12.407	1746	1753	1762	rBV	840129	1369661	72.31%	13.150%
14	13.346	1900	1907	1924	rBV	994000	1541084	81.36%	14.796%
15	13.883	1989	1995	2003	rVB2	104458	175949	9.29%	1.689%

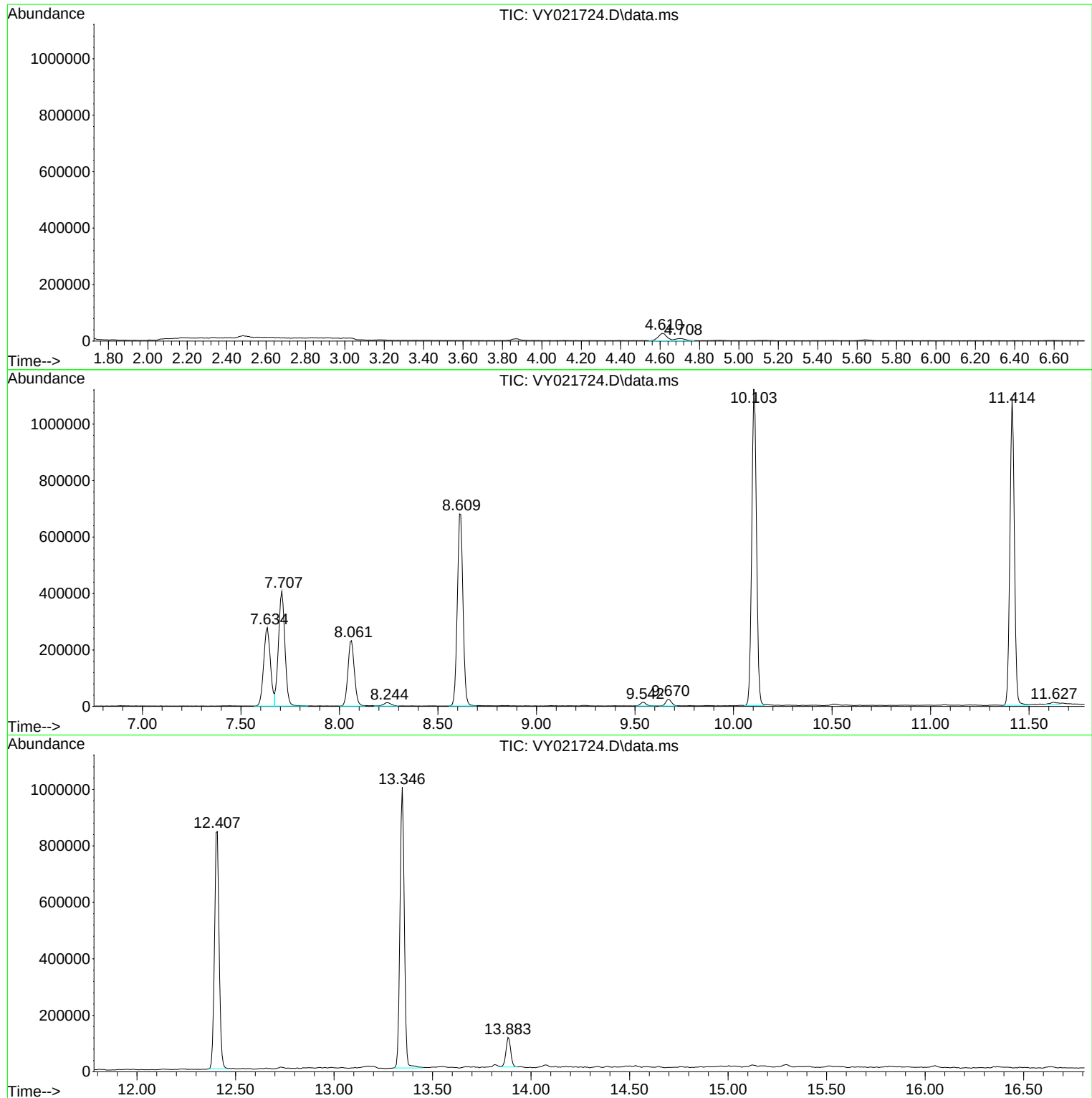
Sum of corrected areas: 10415801

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	T5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	83.2	
Sample Wt/Vol:	8.02	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.70	ug/Kg
67-64-1	Acetone	14.5	J	3.60	18.7	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.70	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.7	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	T5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	83.2	
Sample Wt/Vol:	8.02	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.7	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.707			
540-36-3	1,4-Difluorobenzene	565000	8.616			
3114-55-4	Chlorobenzene-d5	539000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.346			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000590-73-8	Hexane, 2,2-dimethyl-	96.9	J		8.24	ug/Kg
000592-13-2	Hexane, 2,5-dimethyl-	16.0	J		9.12	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	67.2	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	56.5	J		9.67	ug/Kg
003522-94-9	Hexane, 2,2,5-trimethyl-	21.5	J		10.0	ug/Kg
015869-87-1	Octane, 2,2-dimethyl-	8.10	J		11.5	ug/Kg
007154-80-5	Heptane, 3,3,5-trimethyl-	7.90	J		11.7	ug/Kg
062238-00-0	Decane, 2,2,9-trimethyl-	19.0	J		12.6	ug/Kg
062016-37-9	Octane, 2,4,6-trimethyl-	13.6	J		12.8	ug/Kg
127204-12-0	Dodecane, 2,2,11,11-tetramethyl-	28.9	J		13.0	ug/Kg
017302-37-3	Decane, 2,2-dimethyl-	10.9	J		13.1	ug/Kg
000544-76-3	Hexadecane	54.2	J		13.2	ug/Kg
016747-25-4	Hexane, 2,2,3-trimethyl-	59.1	J		13.4	ug/Kg
002051-33-4	1-Hexanol, 5-methyl-2-(1-methyleth	16.5	J		13.6	ug/Kg
015869-94-0	Octane, 3,6-dimethyl-	8.90	J		14.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021725.D
 Acq On : 31 Mar 2025 17:22
 Operator : SY/MD
 Sample : Q1675-11
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5

Quant Time: Apr 01 05:40:02 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)

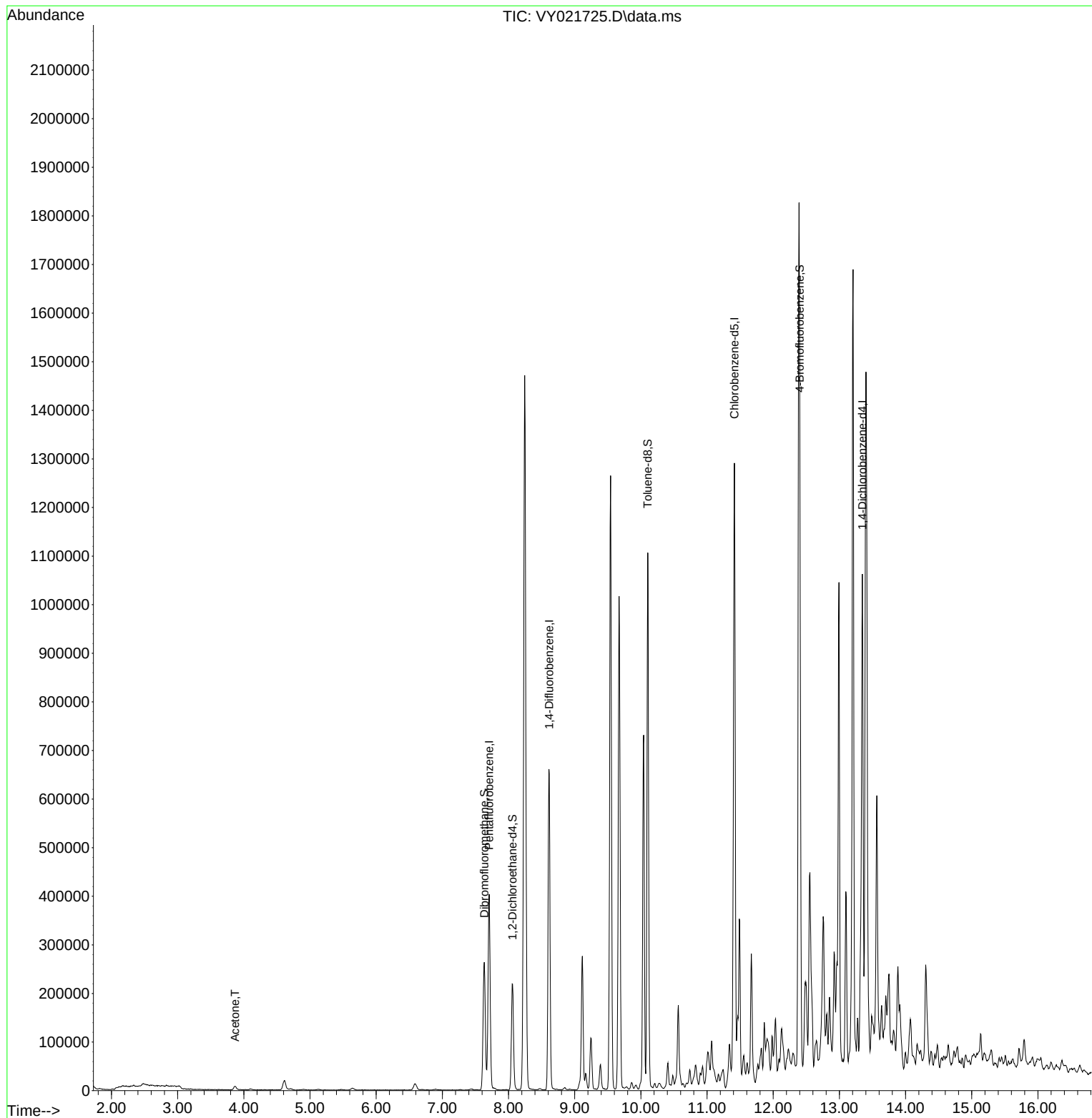
Internal Standards						
1) Pentafluorobenzene	7.707	168	300228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	564649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	244186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174552	53.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.320%	
35) Dibromofluoromethane	7.634	113	184812	50.457	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.103	98	704549	50.562	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	12.401	95	257657	54.667	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.340%	
Target Compounds						
16) Acetone	3.866	43	12838	19.284	ug/l	Qvalue 98

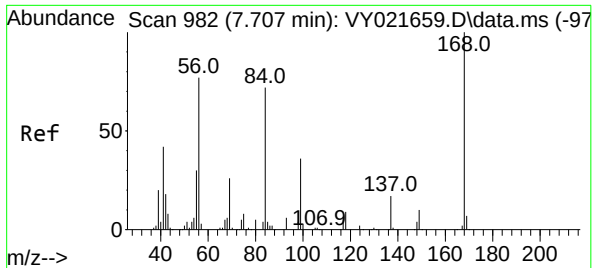
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Time: Apr 01 05:40:02 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

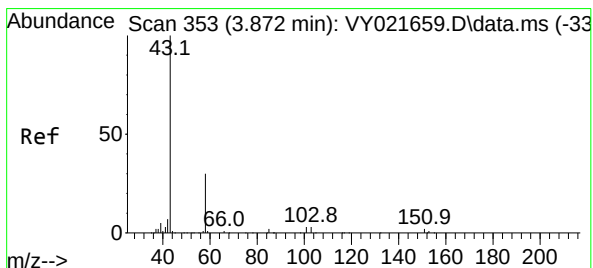
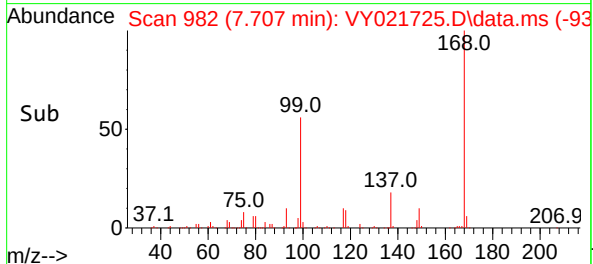
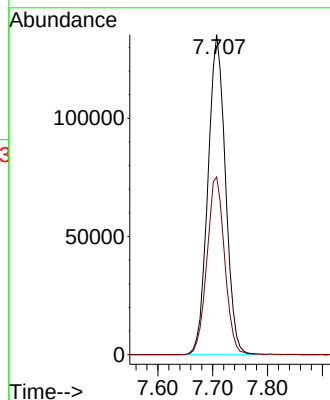
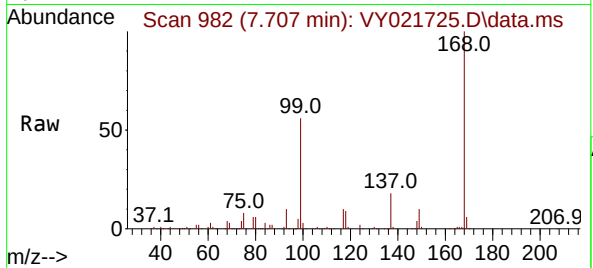




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

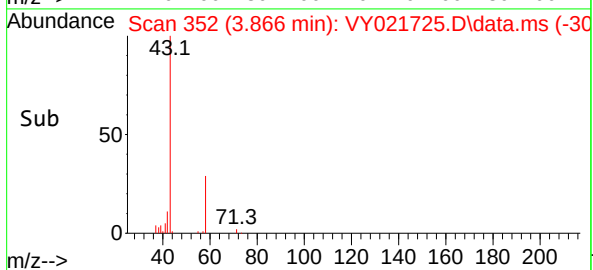
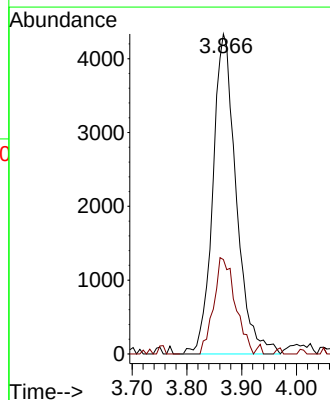
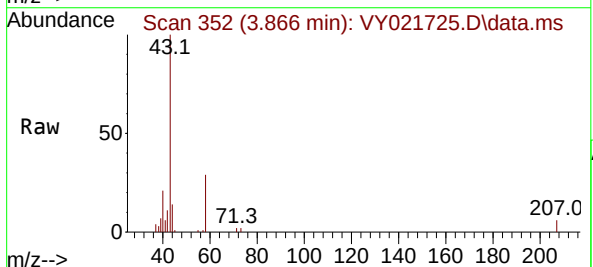
Instrument :
MSVOA_Y
ClientSampleId :
T5

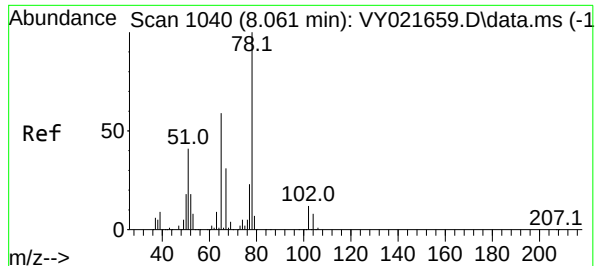
Tgt Ion:168 Resp: 300228
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1



#16
Acetone
Concen: 19.284 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 43 Resp: 12838
Ion Ratio Lower Upper
43 100
58 29.5 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 53.661 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021725.D

Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

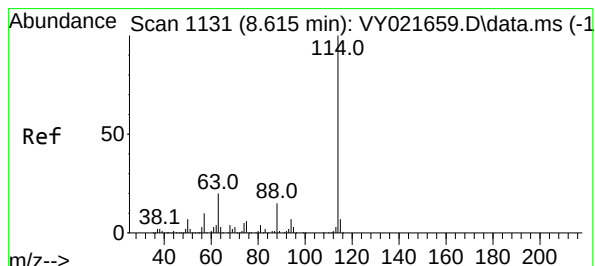
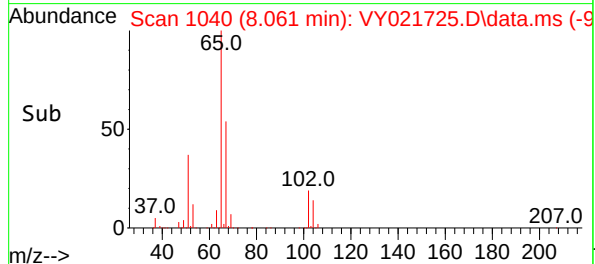
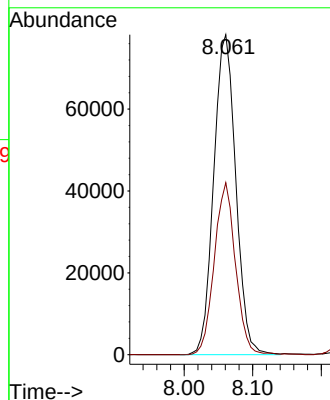
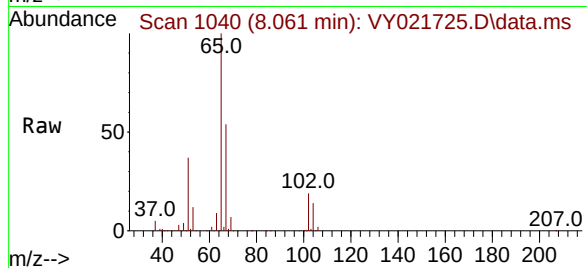
T5

Tgt Ion: 65 Resp: 174552

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: VY021725.D

Acq: 31 Mar 2025 17:22

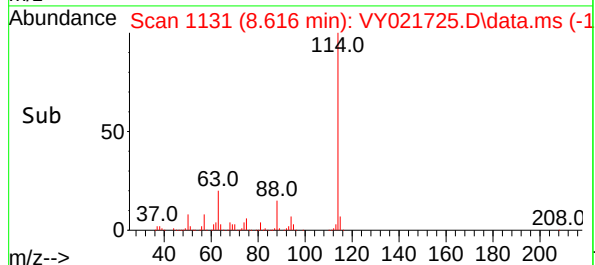
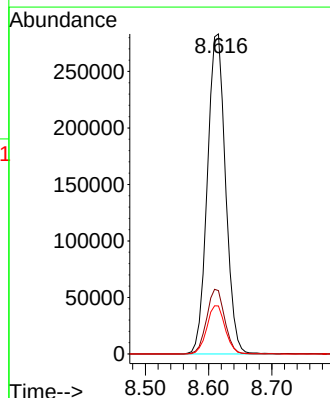
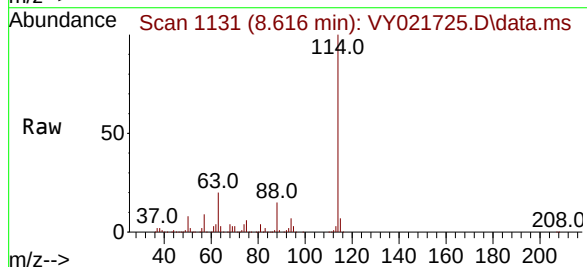
Tgt Ion: 114 Resp: 564649

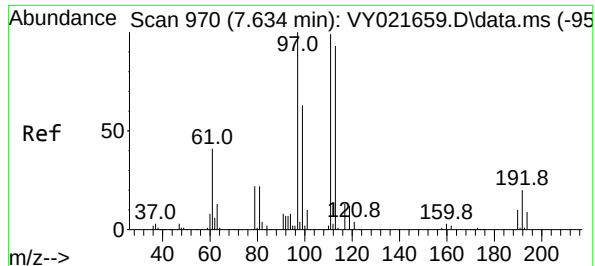
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 15.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.457 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021725.D

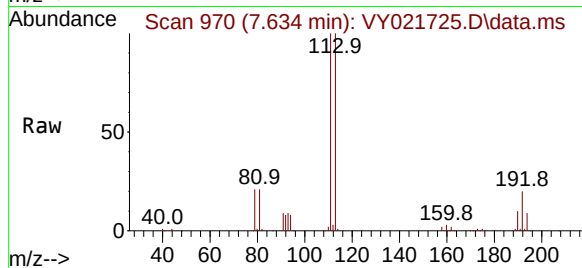
Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

T5



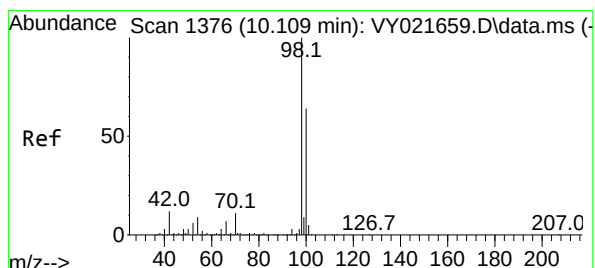
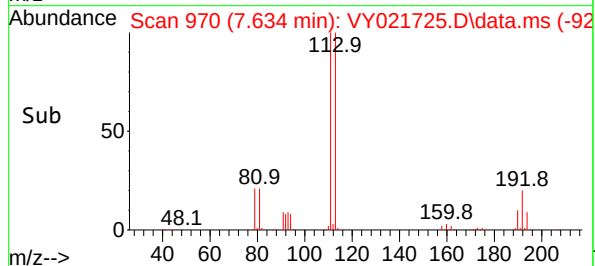
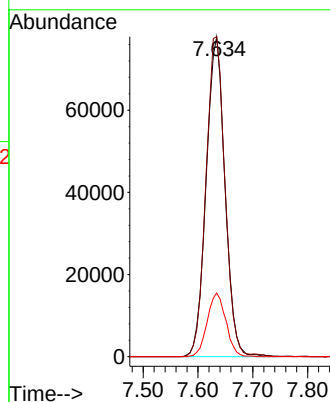
Tgt Ion:113 Resp: 184812

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 19.8 16.2 24.4



#50

Toluene-d8

Concen: 50.562 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021725.D

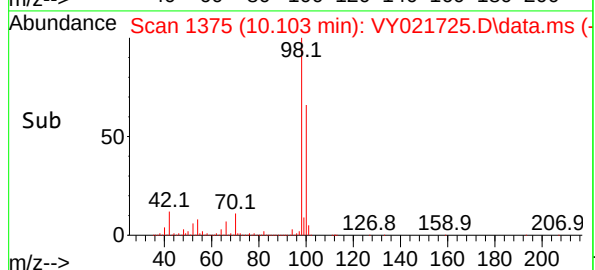
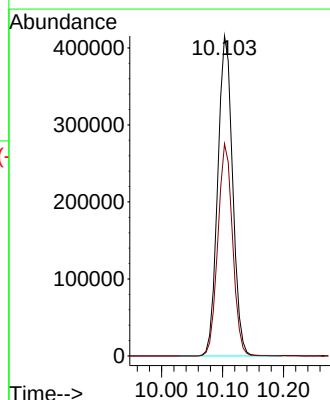
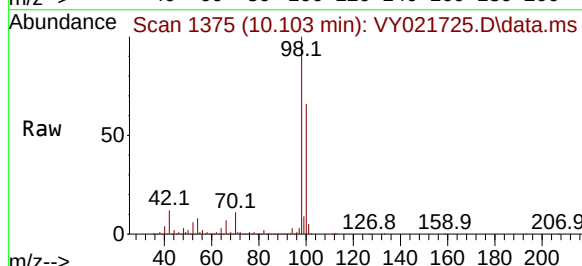
Acq: 31 Mar 2025 17:22

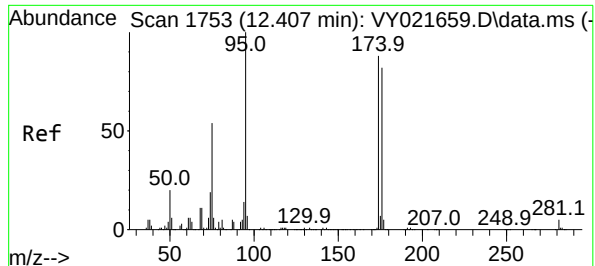
Tgt Ion: 98 Resp: 704549

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 54.667 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021725.D

Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

T5

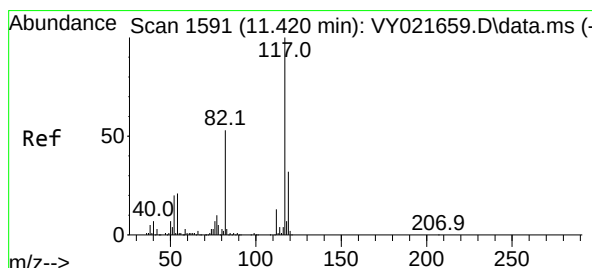
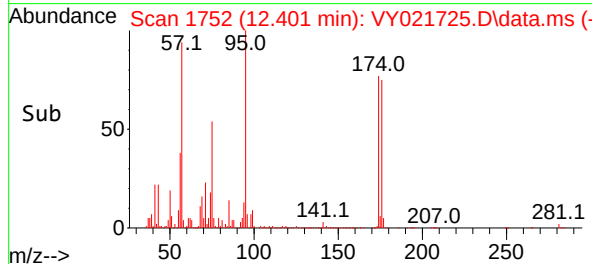
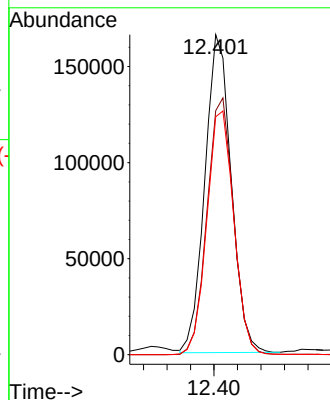
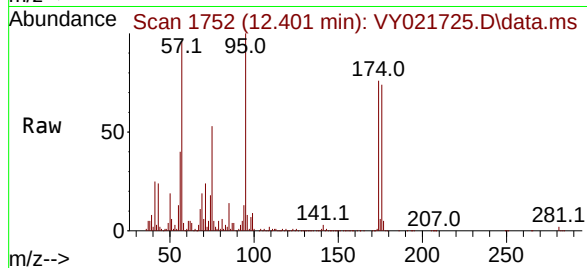
Tgt Ion: 95 Resp: 257657

Ion Ratio Lower Upper

95 100

174 81.5 0.0 170.8

176 78.5 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: VY021725.D

Acq: 31 Mar 2025 17:22

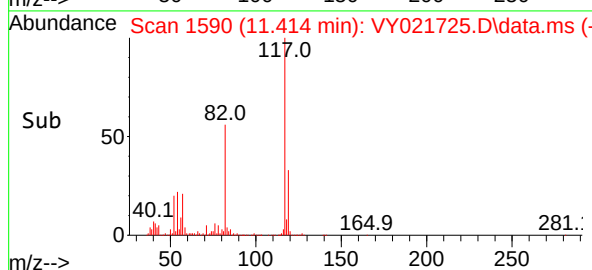
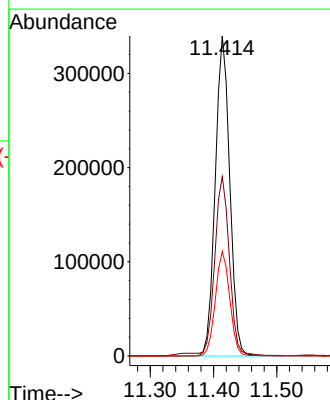
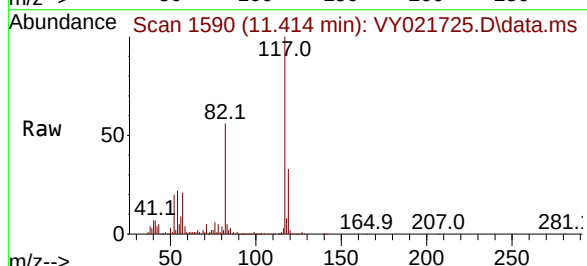
Tgt Ion: 117 Resp: 539474

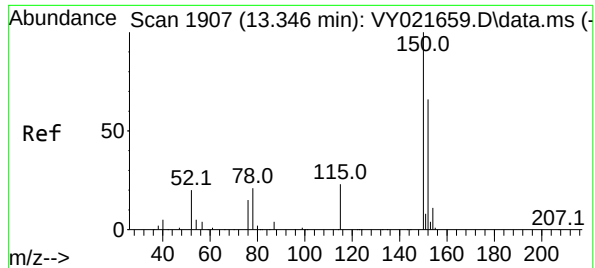
Ion Ratio Lower Upper

117 100

82 55.9 42.8 64.2

119 32.6 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: VY021725.D

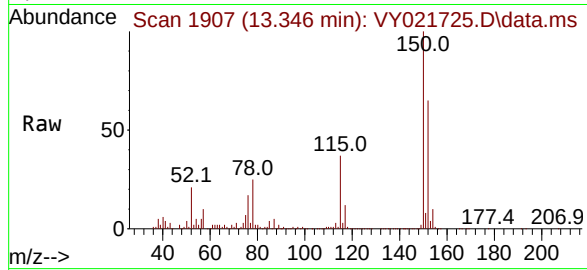
Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

T5



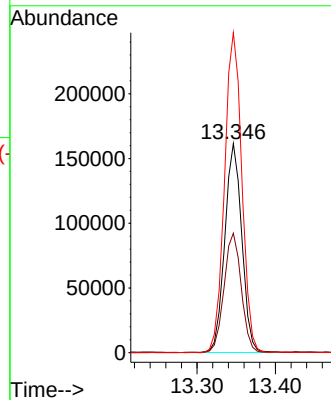
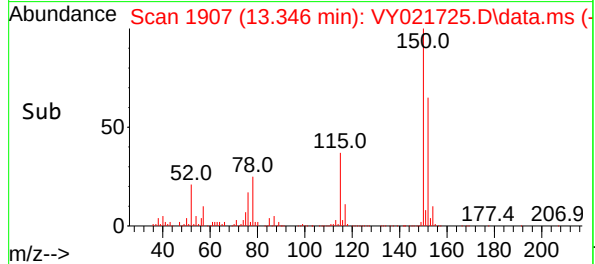
Tgt Ion:152 Resp: 244186

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.6 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021725.D
 Acq On : 31 Mar 2025 17:22
 Operator : SY/MD
 Sample : Q1675-11
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021725.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	484	rBV3	19616	61878	1.70%	0.151%
2	6.592	786	799	810	rBV3	12840	44150	1.21%	0.108%
3	7.634	959	970	976	rBV	262881	632294	17.38%	1.540%
4	7.707	976	982	1003	rVB	402671	901625	24.78%	2.196%
5	8.055	1030	1039	1052	rBV	218499	496273	13.64%	1.209%
6	8.244	1059	1070	1085	rBV	1469419	3420995	94.03%	8.332%
7	8.609	1122	1130	1142	rBV	659855	1322064	36.34%	3.220%
8	9.115	1199	1213	1219	rBV	275461	565494	15.54%	1.377%
9	9.164	1219	1221	1227	rVV3	32807	54054	1.49%	0.132%
10	9.243	1227	1234	1242	rVB	104982	217478	5.98%	0.530%
11	9.390	1249	1258	1266	rBV	50986	105946	2.91%	0.258%
12	9.542	1273	1283	1294	rBV	1262495	2372733	65.22%	5.779%
13	9.670	1295	1304	1317	rBV	1013920	1994901	54.83%	4.859%
14	10.042	1352	1365	1370	rBV	728616	1307802	35.95%	3.185%
15	10.103	1370	1375	1388	rVB	1101077	1877965	51.62%	4.574%
16	10.408	1415	1425	1429	rBV	52370	101981	2.80%	0.248%
17	10.481	1433	1437	1441	rVV3	22194	36397	1.00%	0.089%
18	10.566	1441	1451	1460	rVB	164352	328728	9.04%	0.801%
19	10.737	1474	1479	1484	rVB2	29601	46957	1.29%	0.114%
20	10.829	1484	1494	1501	rVB5	40101	107251	2.95%	0.261%
21	10.932	1507	1511	1516	rVB2	36328	62522	1.72%	0.152%
22	11.011	1516	1524	1530	rBV4	65456	195721	5.38%	0.477%
23	11.066	1530	1533	1546	rVB4	84126	192337	5.29%	0.468%
24	11.243	1554	1562	1568	rVB5	37532	112519	3.09%	0.274%
25	11.341	1568	1578	1582	rBV3	89458	217175	5.97%	0.529%
26	11.414	1582	1590	1595	rBV2	1249937	2279819	62.66%	5.553%
27	11.463	1595	1598	1599	rVV2	53142	61980	1.70%	0.151%
28	11.487	1599	1602	1608	rVB	320167	490538	13.48%	1.195%
29	11.554	1608	1613	1618	rBV3	38954	65699	1.81%	0.160%
30	11.670	1626	1632	1642	rVB	265030	478122	13.14%	1.165%
31	11.767	1642	1648	1650	rBV4	37570	71023	1.95%	0.173%
32	11.822	1651	1657	1660	rVB5	41408	73432	2.02%	0.179%
33	11.865	1660	1664	1667	rBV2	94767	140514	3.86%	0.342%
34	11.908	1667	1671	1679	rVB5	64147	187974	5.17%	0.458%
35	11.981	1679	1683	1686	rBV	70117	101069	2.78%	0.246%
36	12.036	1686	1692	1696	rVB	107375	205478	5.65%	0.500%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021725.D
 Acq On : 31 Mar 2025 17:22
 Operator : SY/MD
 Sample : Q1675-11
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Title : SW846 8260

37	12.127	1702	1707	1716	rVB4	83888	212244	5.83%	0.517%
38	12.231	1716	1724	1731	rBV7	42052	128188	3.52%	0.312%
39	12.298	1731	1735	1741	rVB6	26539	57114	1.57%	0.139%
40	12.389	1743	1750	1759	rVB2	1776558	3638225	100.00%	8.861%
41	12.481	1759	1765	1766	rBV	170627	233841	6.43%	0.570%
42	12.554	1772	1777	1786	rVB	398767	973238	26.75%	2.370%
43	12.651	1786	1793	1798	rBV6	53415	137227	3.77%	0.334%
44	12.755	1800	1810	1815	rVV3	294057	695274	19.11%	1.693%
45	12.810	1816	1819	1822	rVV	85032	122424	3.36%	0.298%
46	12.853	1822	1826	1832	rVV	115229	190385	5.23%	0.464%
47	12.920	1832	1837	1841	rVV2	205105	367373	10.10%	0.895%
48	12.962	1841	1844	1845	rVV	177243	230318	6.33%	0.561%
49	12.993	1845	1849	1858	rVB	985953	1475045	40.54%	3.593%
50	13.096	1861	1866	1872	rVB	349854	556116	15.29%	1.354%
51	13.206	1872	1884	1892	rBV	1630110	2768952	76.11%	6.744%
52	13.273	1892	1895	1898	rBV	69164	78551	2.16%	0.191%
53	13.346	1898	1907	1911	rBV2	982015	1914620	52.63%	4.663%
54	13.401	1911	1916	1926	rVB	1398344	3020483	83.02%	7.357%
55	13.487	1926	1930	1936	rBV3	73401	179468	4.93%	0.437%
56	13.566	1937	1943	1950	rVB	501749	840717	23.11%	2.048%
57	13.639	1951	1955	1959	rBV	68715	97557	2.68%	0.238%
58	13.700	1962	1965	1968	rBV2	68947	93046	2.56%	0.227%
59	13.749	1968	1973	1978	rVB2	141543	275741	7.58%	0.672%
60	13.816	1981	1984	1990	rVB3	41830	76976	2.12%	0.187%
61	13.883	1990	1995	1998	rBV2	173342	305622	8.40%	0.744%
62	13.999	2010	2014	2018	rBV5	32779	55088	1.51%	0.134%
63	14.072	2019	2026	2039	rVB5	93394	264705	7.28%	0.645%
64	14.176	2039	2043	2049	rBV7	41711	103417	2.84%	0.252%
65	14.304	2059	2064	2073	rVB3	203054	455348	12.52%	1.109%
66	14.383	2074	2077	2083	rVB6	28646	49375	1.36%	0.120%
67	14.480	2089	2093	2099	rVB3	46843	89183	2.45%	0.217%
68	14.547	2099	2104	2106	rBV5	20929	40099	1.10%	0.098%
69	14.645	2117	2120	2127	rVB5	40771	73833	2.03%	0.180%
70	14.907	2159	2163	2169	rBV8	26364	65119	1.79%	0.159%
71	15.133	2197	2200	2205	rVB2	54098	84904	2.33%	0.207%
72	15.712	2291	2295	2300	rBV3	34583	66382	1.82%	0.162%
73	15.791	2304	2308	2318	rVB2	51004	108421	2.98%	0.264%

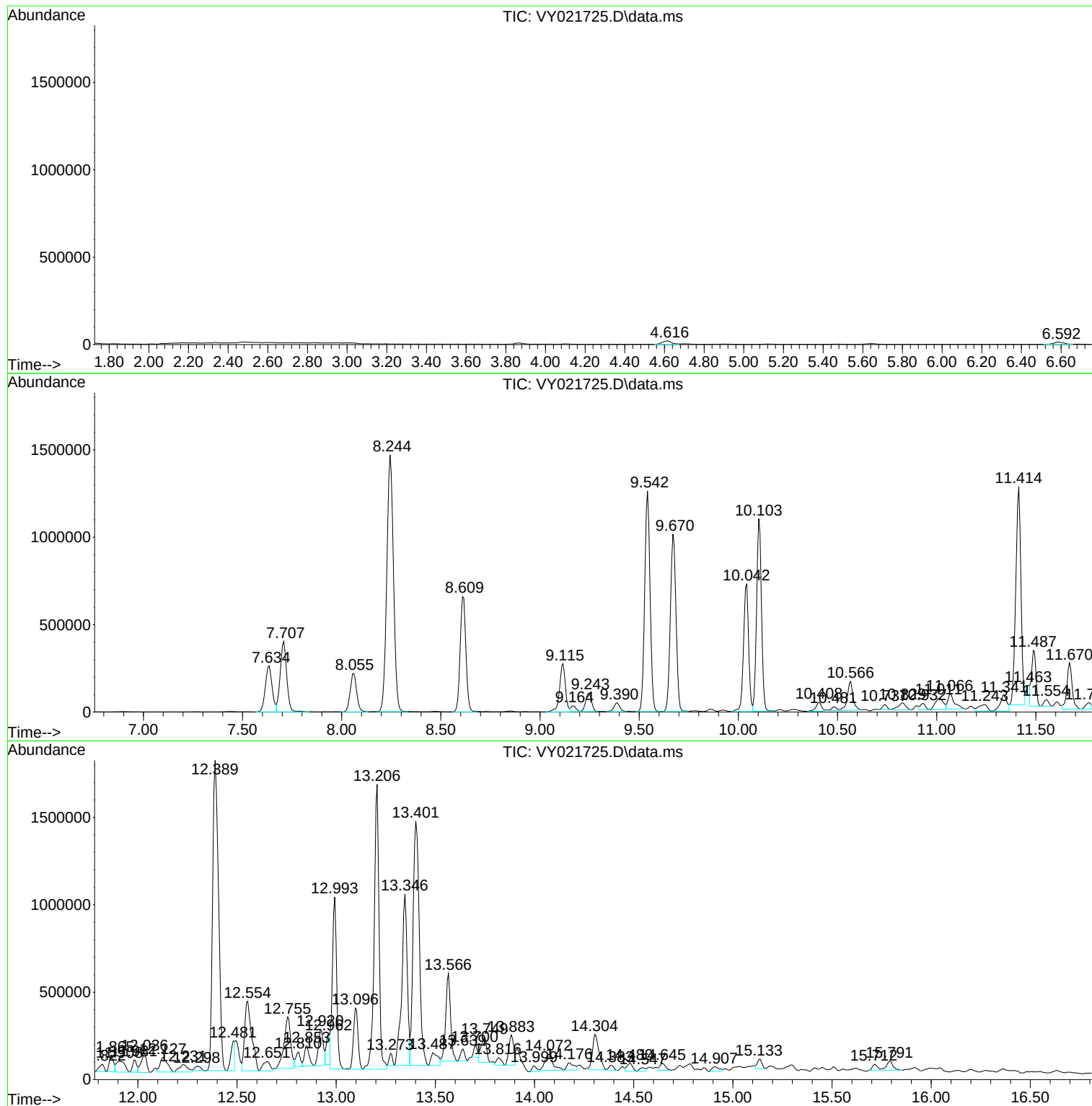
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Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

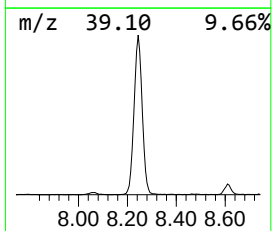
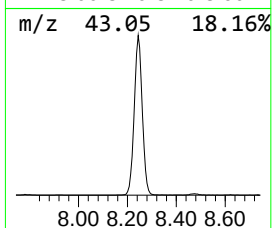
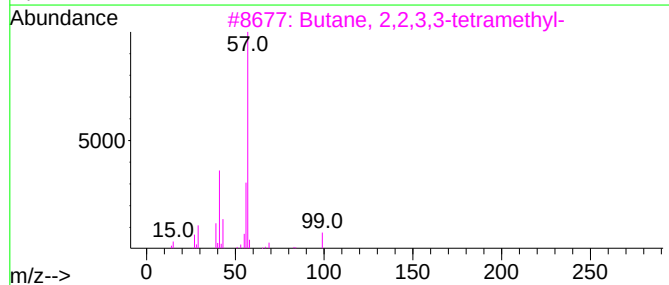
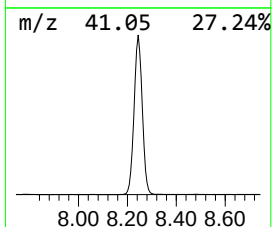
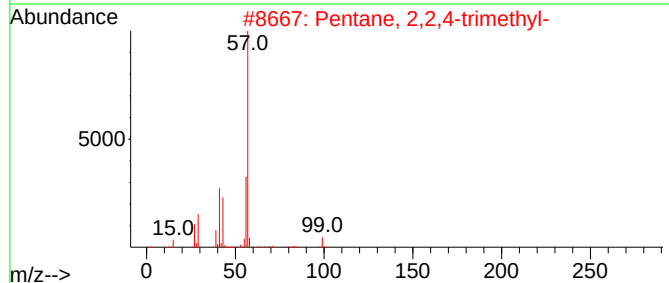
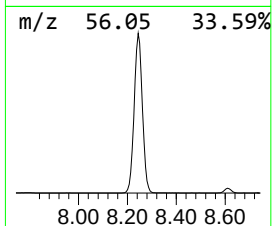
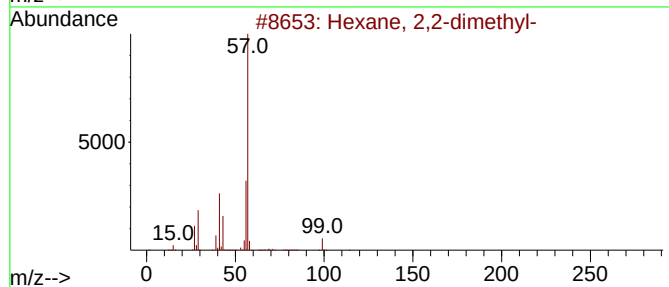
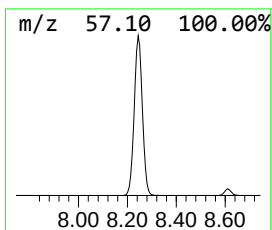
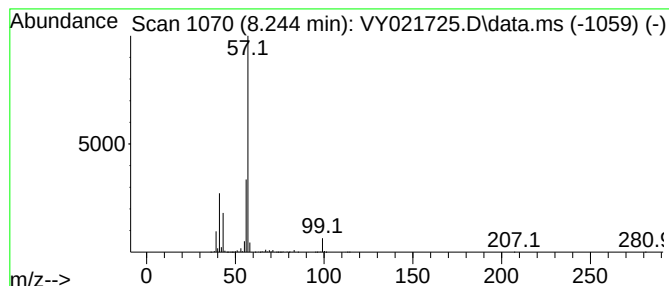
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Quant Title : SW846 8260

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

Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	129.38 ug/l	3421000	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

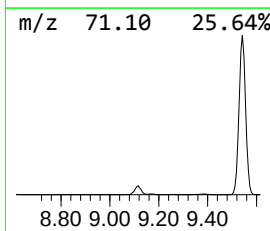
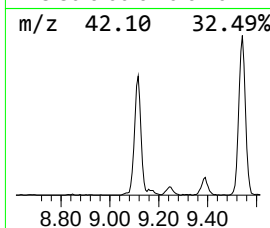
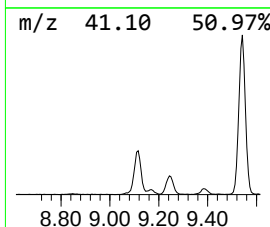
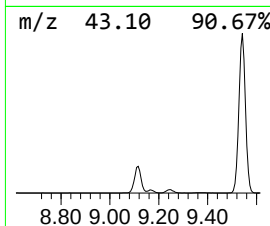
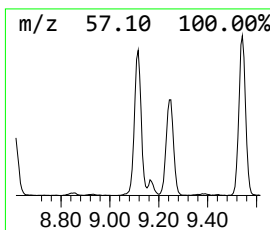
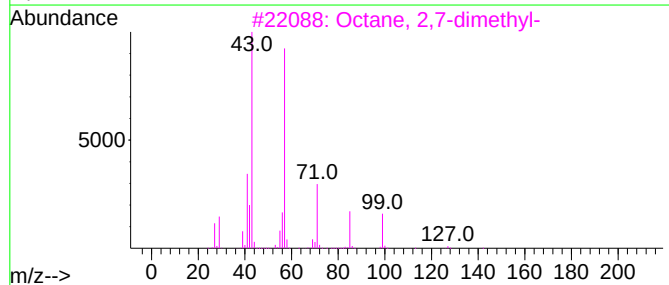
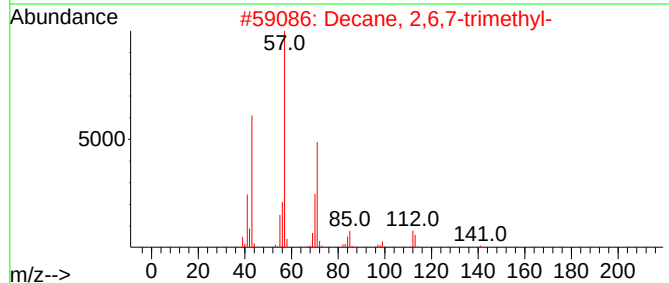
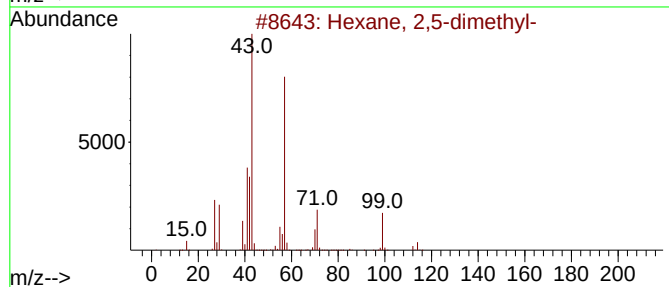
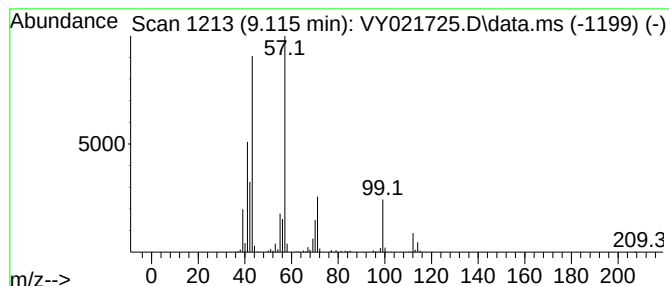
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Quant Title : SW846 8260

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

Peak Number 2 Hexane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.115	21.39 ug/l	565494	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
3			Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
4			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	53
5			2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	1000190-01-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

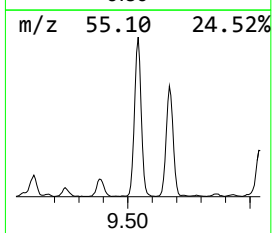
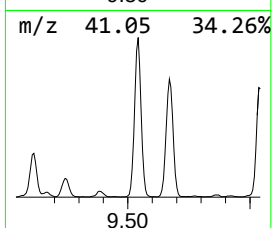
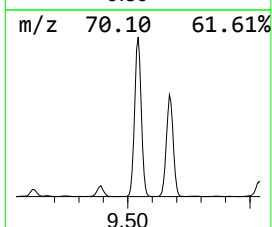
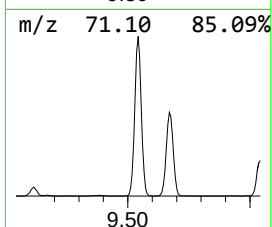
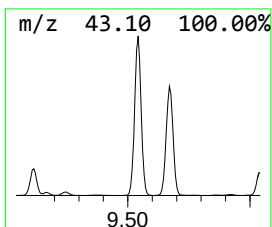
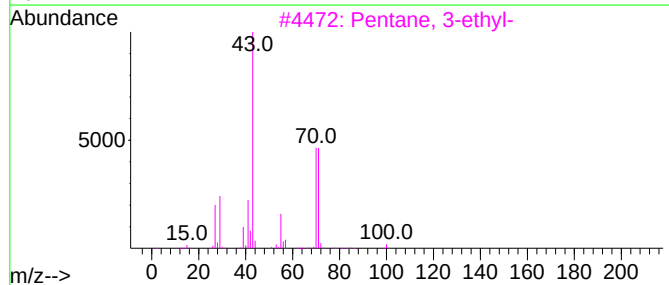
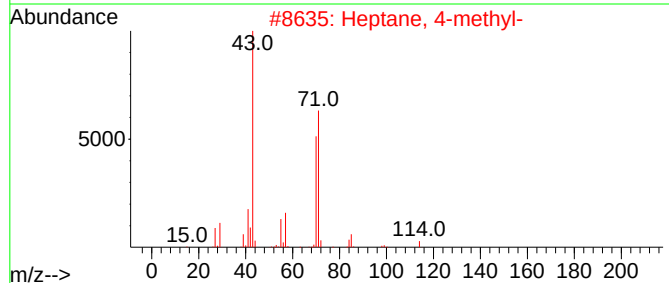
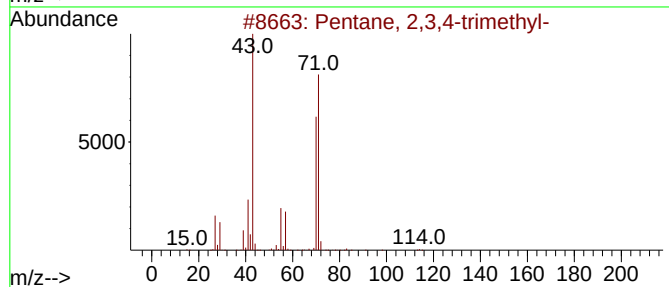
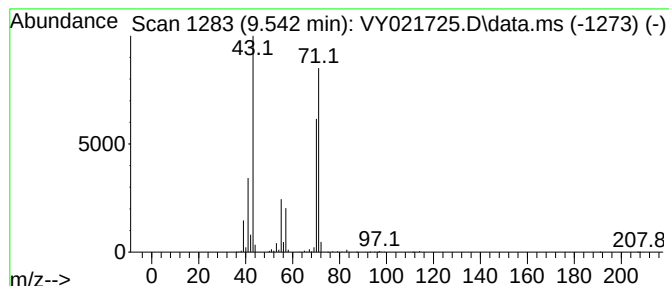
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Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	89.74 ug/l	2372730	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

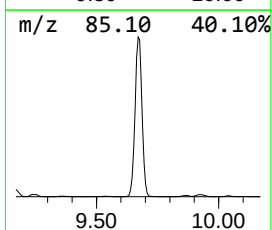
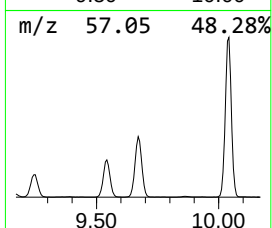
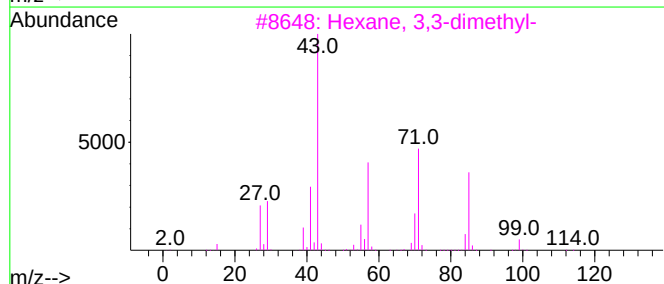
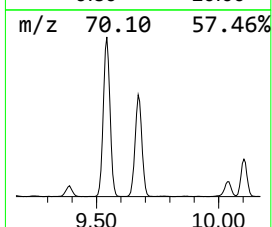
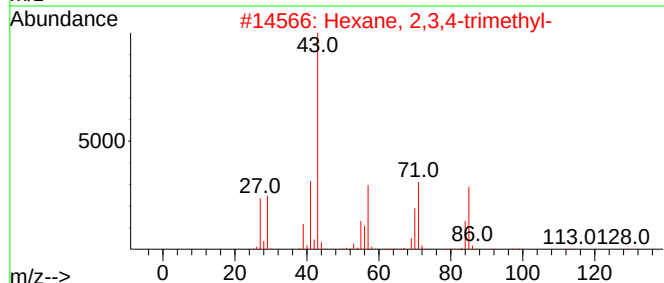
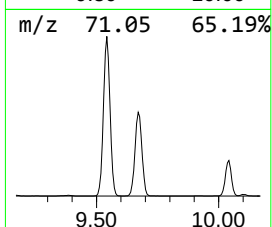
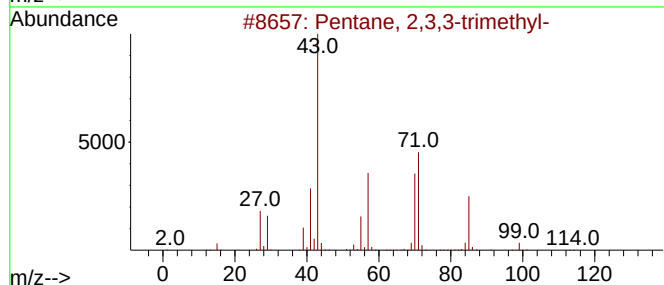
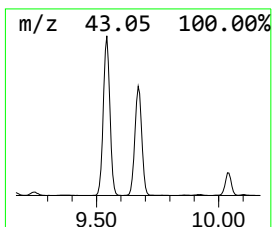
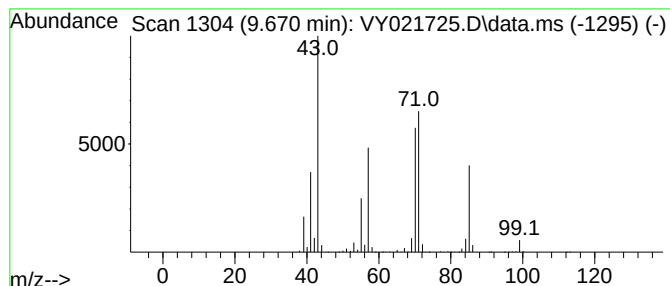
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Quant Title : SW846 8260

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

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	75.45 ug/l	1994900	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

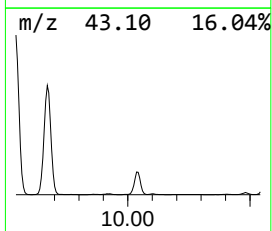
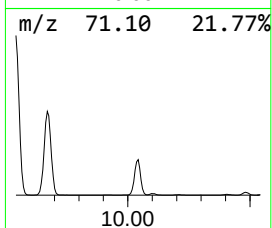
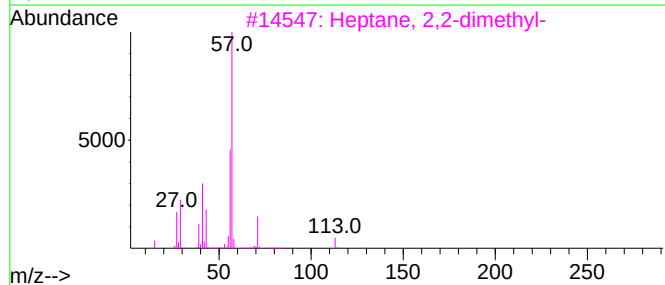
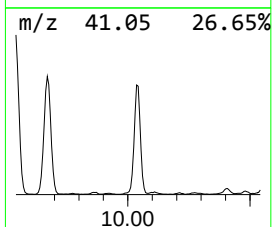
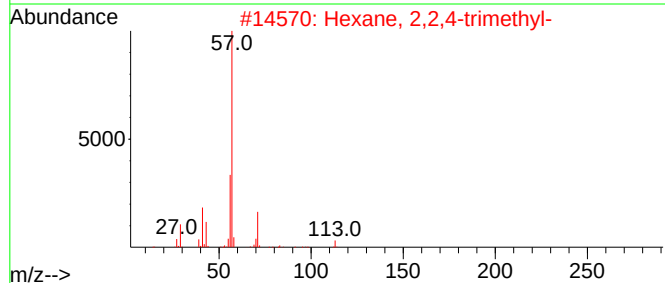
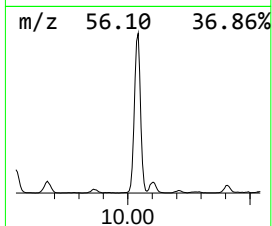
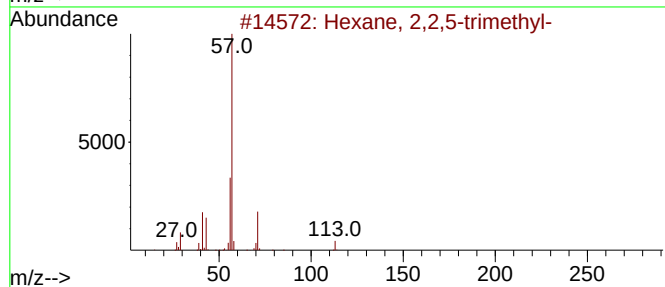
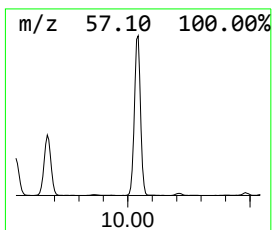
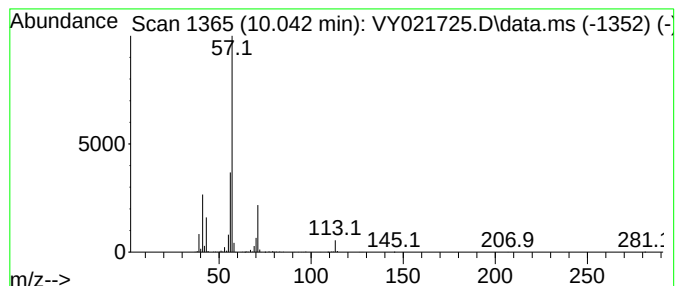
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 5 Hexane, 2,2,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.042	28.68 ug/l	1307800	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	83
3			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	78
4			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
5			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

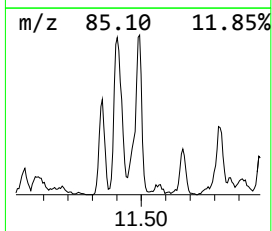
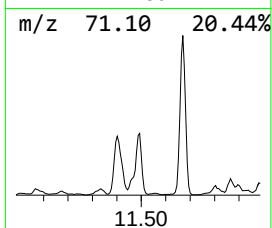
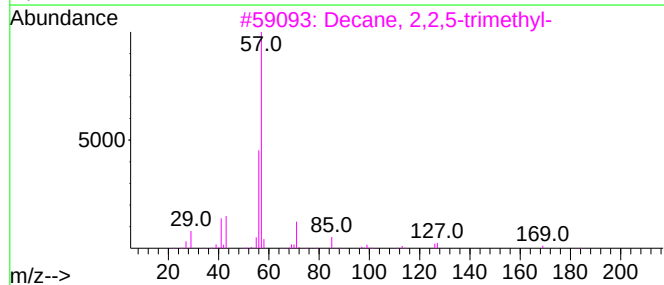
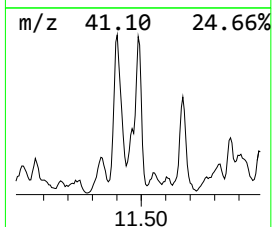
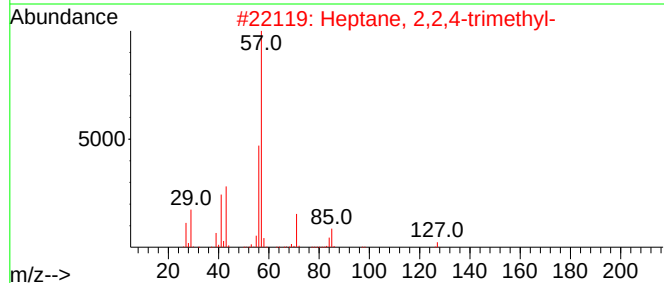
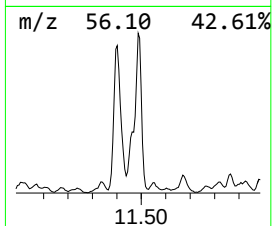
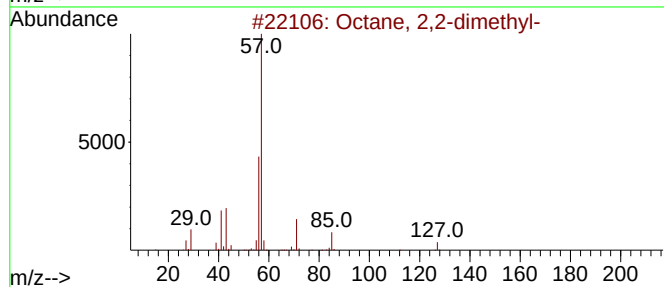
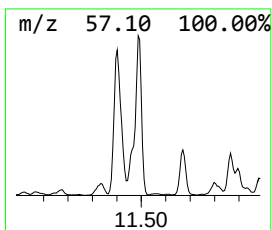
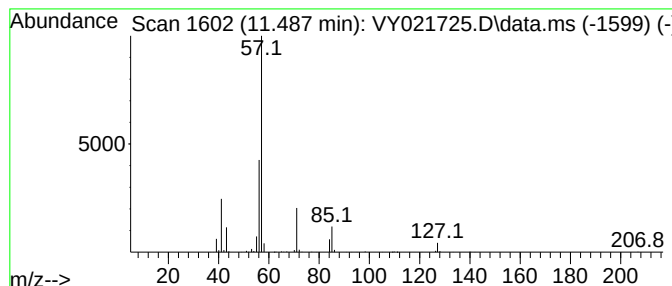
Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 6 Octane, 2,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.487	10.76 ug/l	490538	Chlorobenzene-d5	11.414	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	83
2	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	83
3	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	78
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	78
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

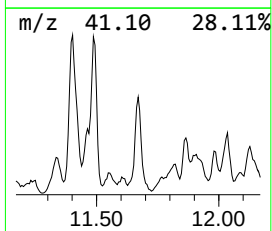
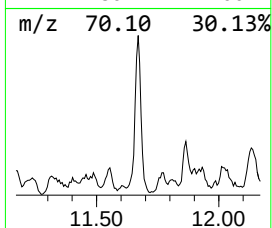
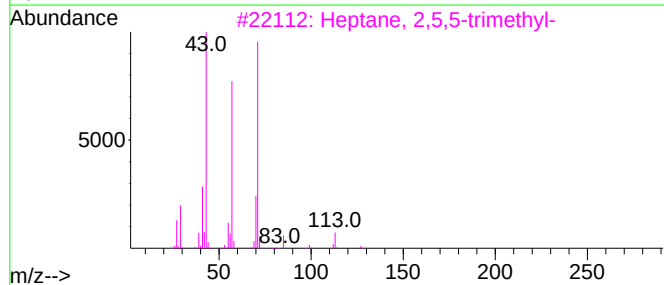
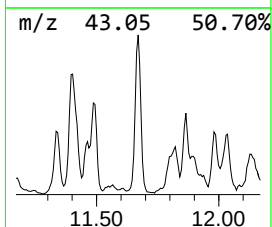
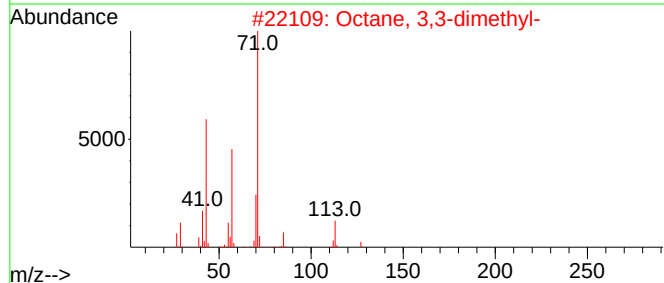
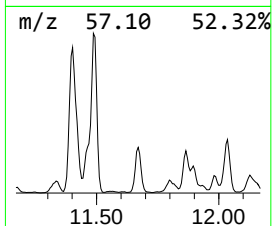
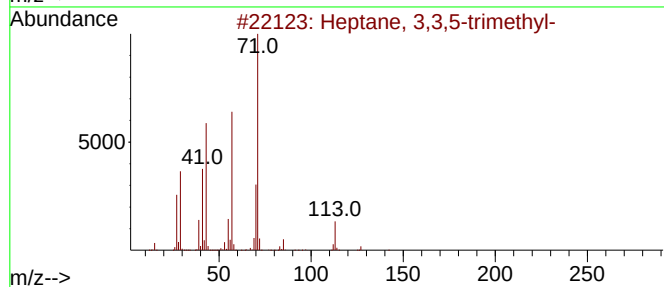
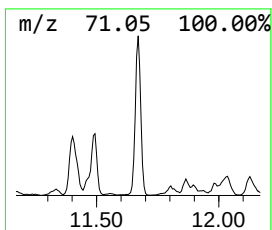
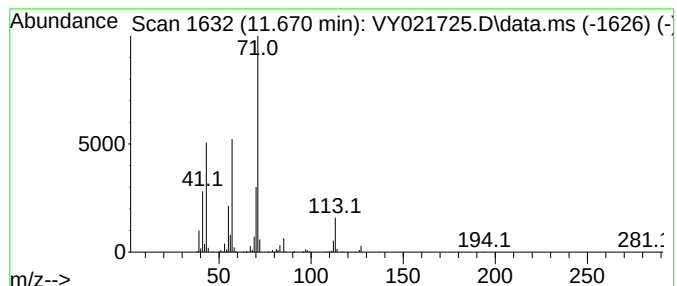
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Quant Title : SW846 8260

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

Peak Number 7 Heptane, 3,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.670	10.49 ug/l	478122	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	90
2			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
3			Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	78
4			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	78
5			1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

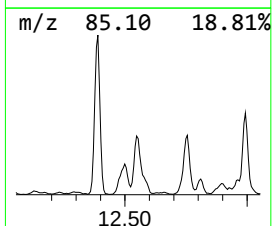
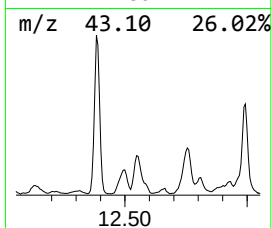
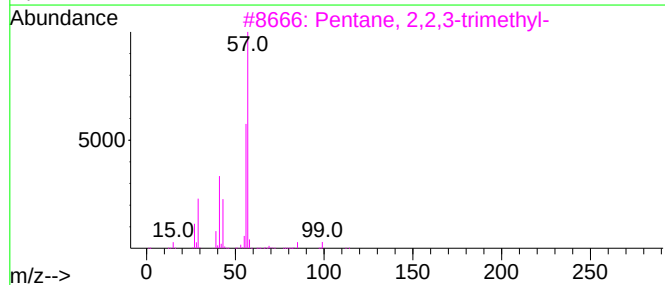
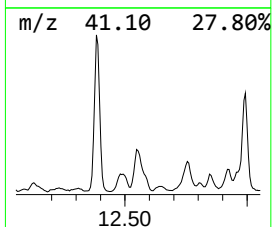
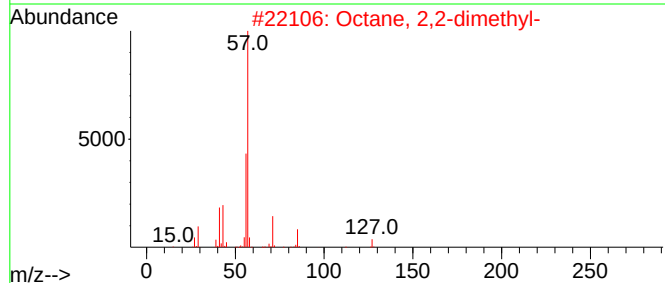
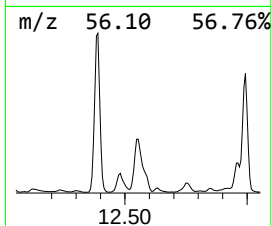
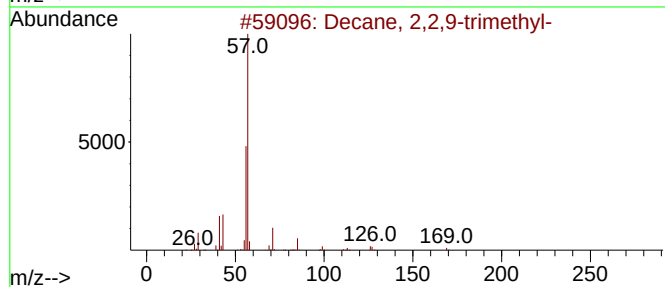
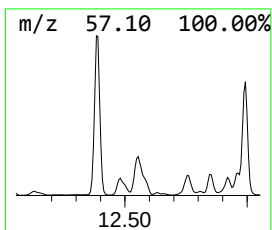
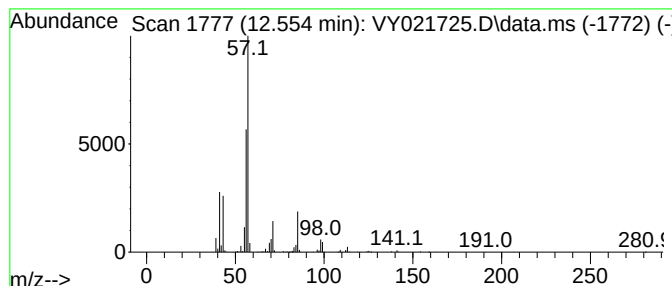
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Quant Title : SW846 8260

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

Peak Number 8 Decane, 2,2,9-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.554	25.42 ug/l	973238	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
2			Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59
3			Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	53
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
5			2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

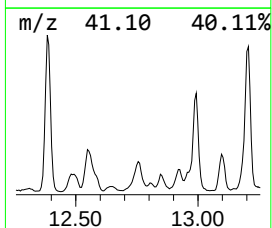
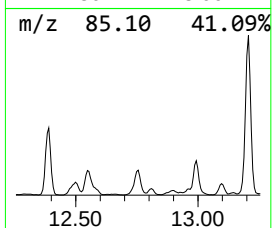
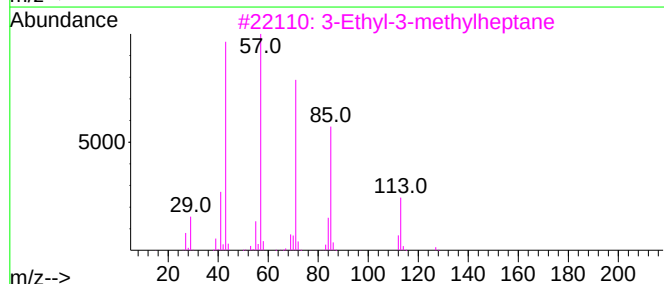
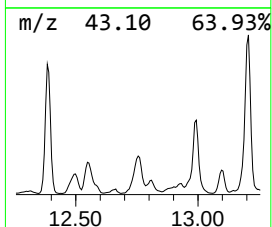
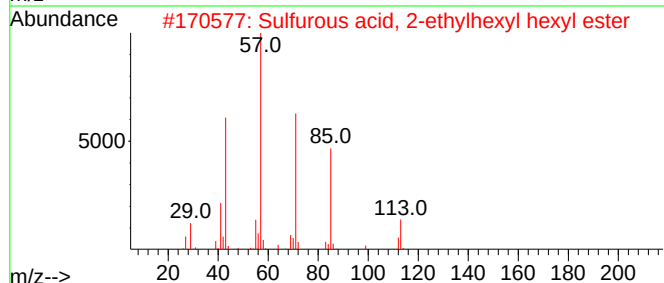
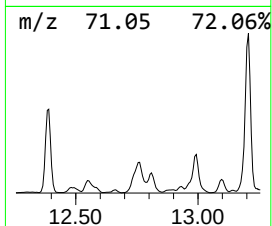
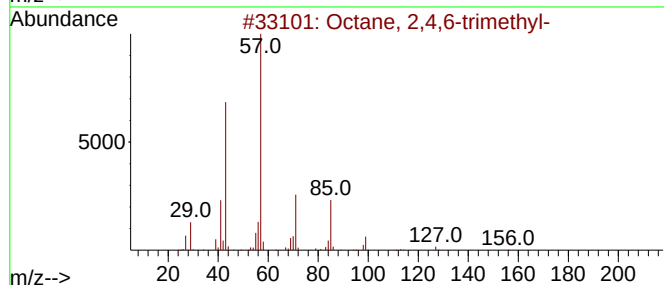
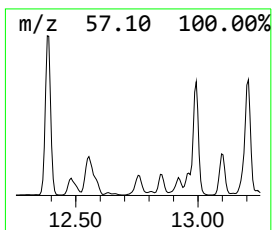
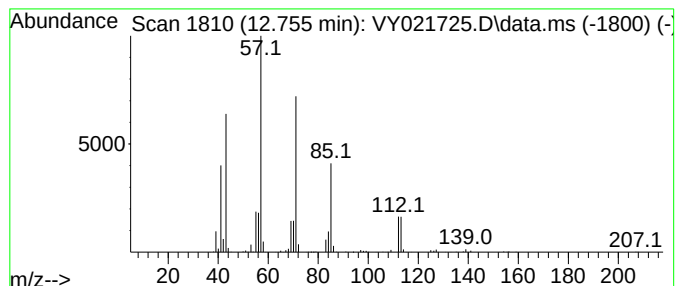
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Quant Title : SW846 8260

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

Peak Number 9 Octane, 2,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.755	18.16 ug/l	695274	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
2			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
3			3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	72
4			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	72
5			Tridecane	184	C13H28	000629-50-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

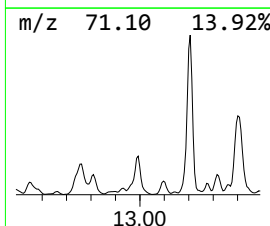
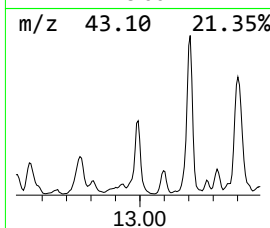
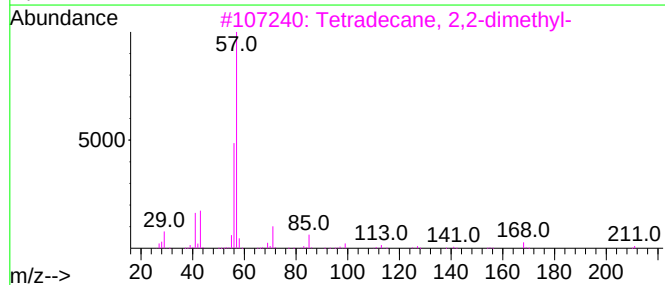
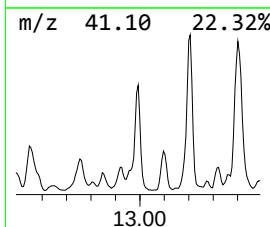
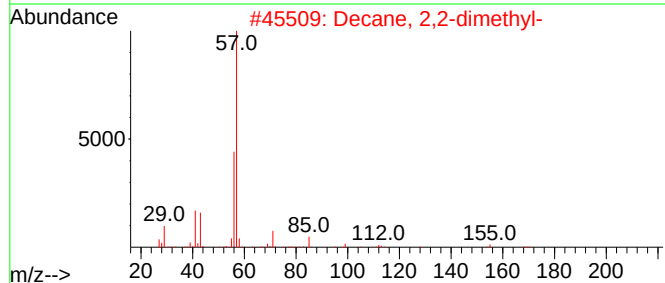
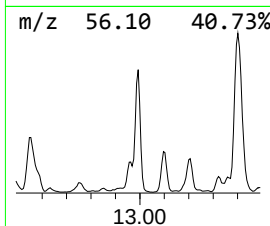
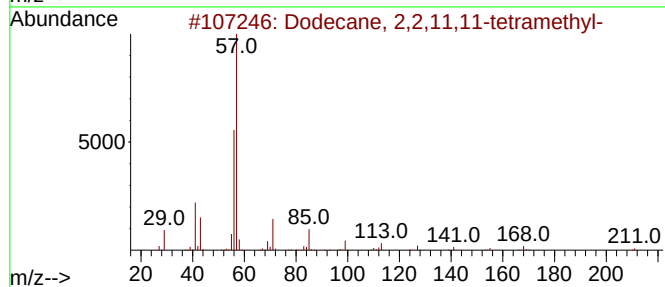
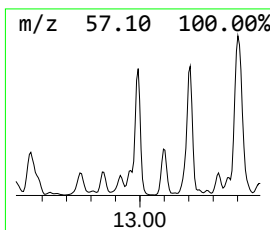
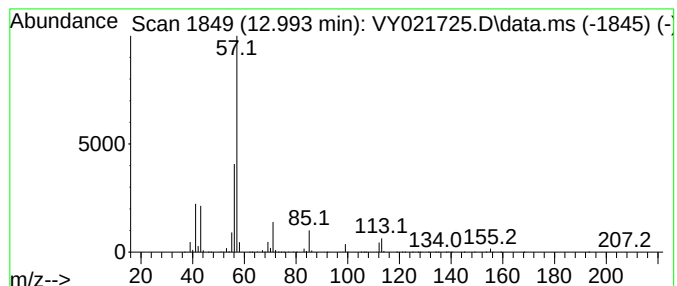
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Quant Title : SW846 8260

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

Peak Number 10 Dodecane, 2,2,11,11-tetrame... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	38.52 ug/l	1475050	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	80
2			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
3			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5			Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

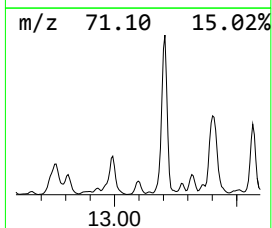
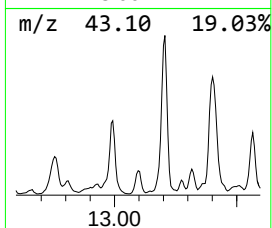
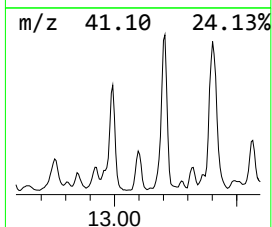
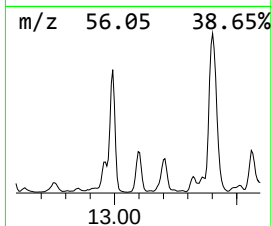
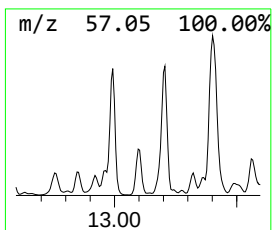
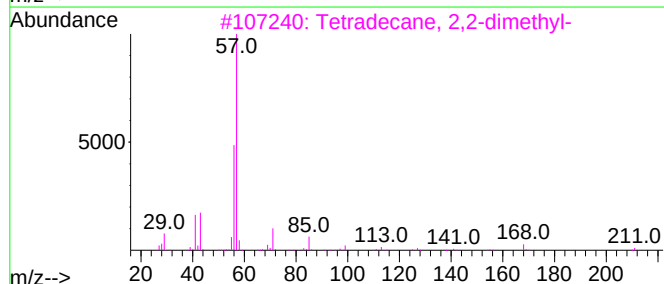
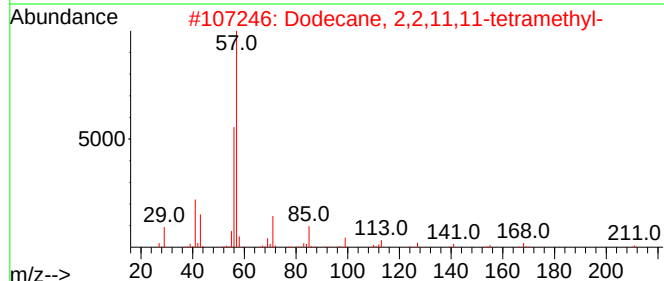
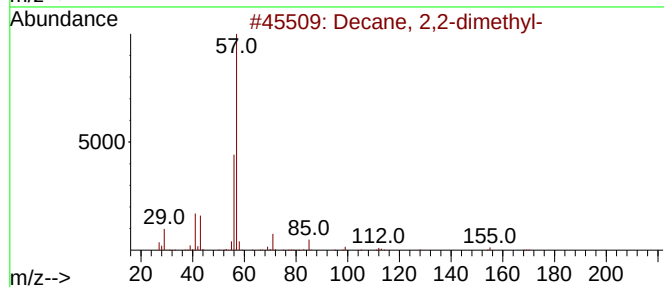
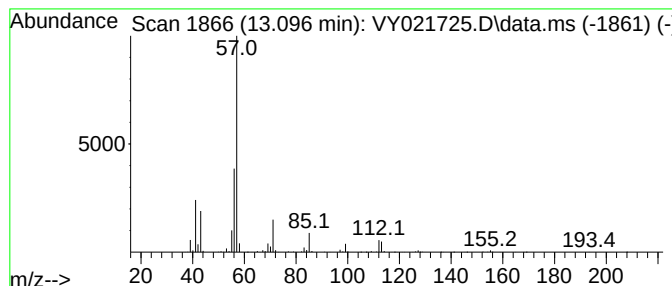
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Quant Title : SW846 8260

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

Peak Number 11 Decane, 2,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.097	14.52 ug/l	556116	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
2			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
3			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5			Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

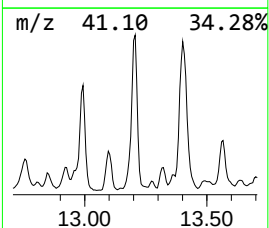
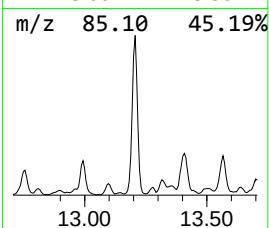
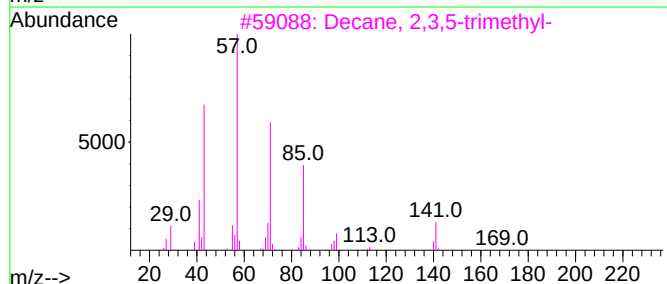
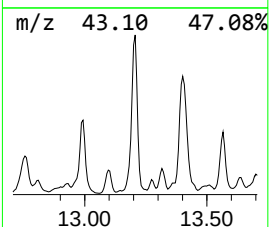
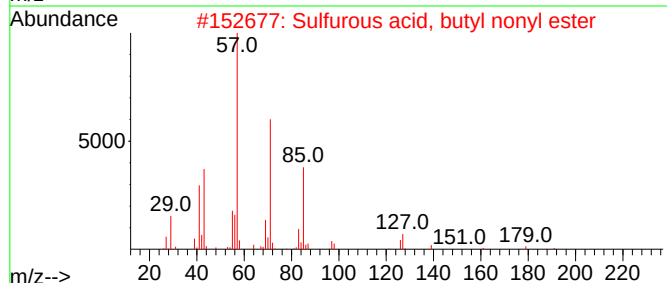
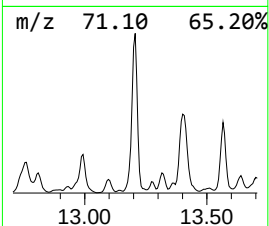
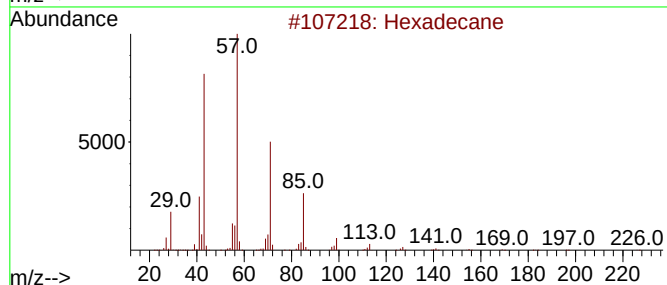
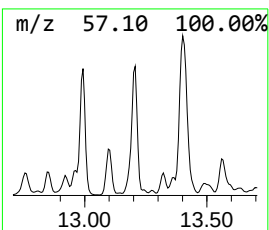
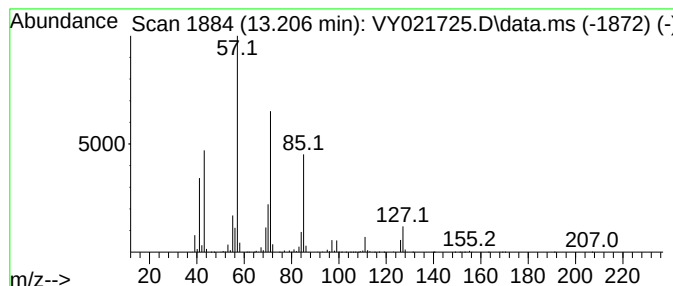
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Quant Title : SW846 8260

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

Peak Number 12 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.206	72.31 ug/l	2768950	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	64
2			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
3			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4			Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	59
5			Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

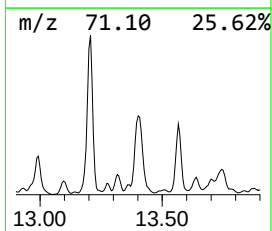
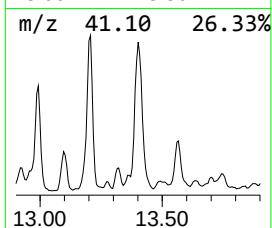
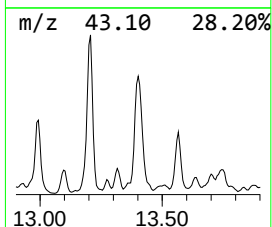
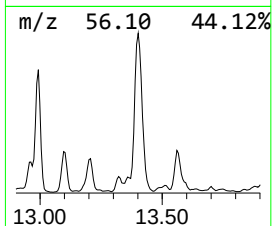
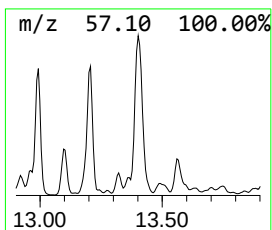
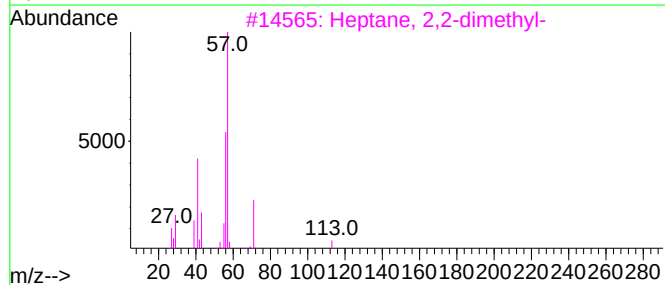
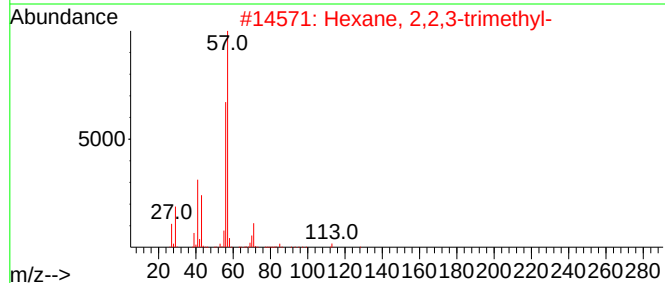
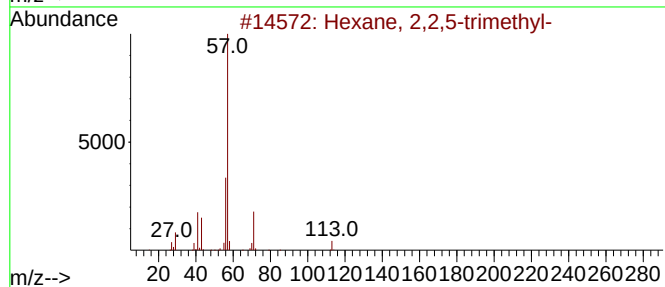
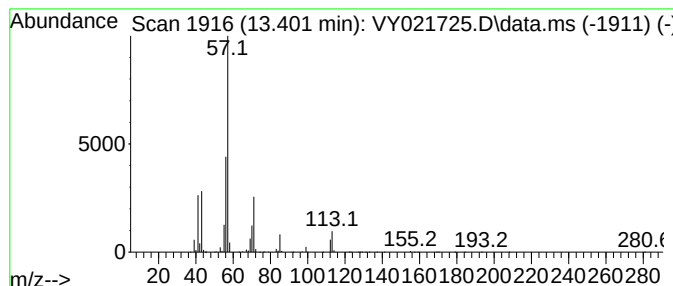
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Quant Title : SW846 8260

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

Peak Number 13 Hexane, 2,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.401	78.88 ug/l	3020480	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
4			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

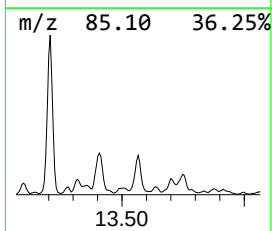
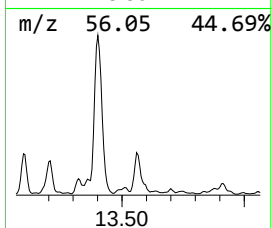
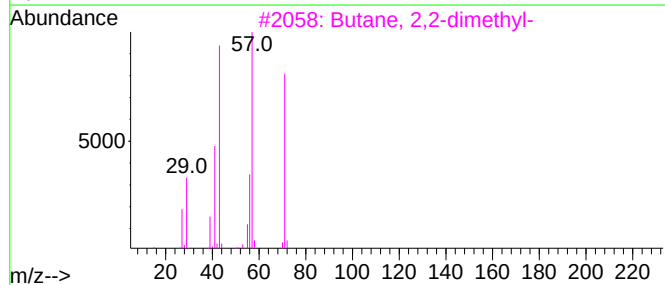
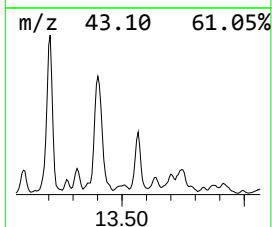
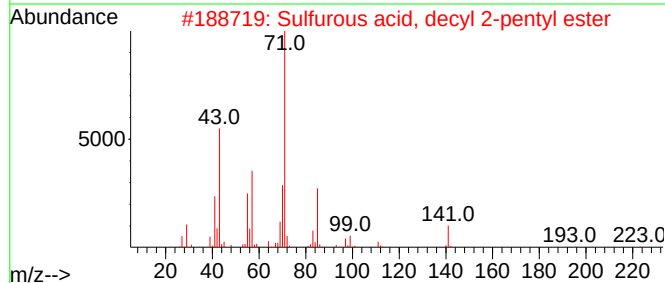
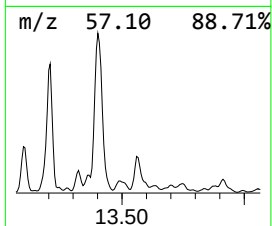
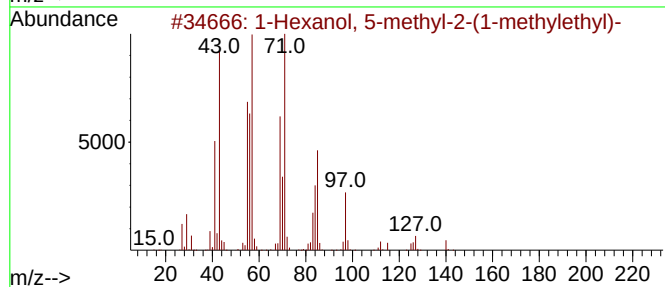
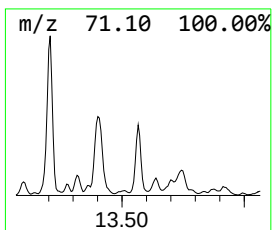
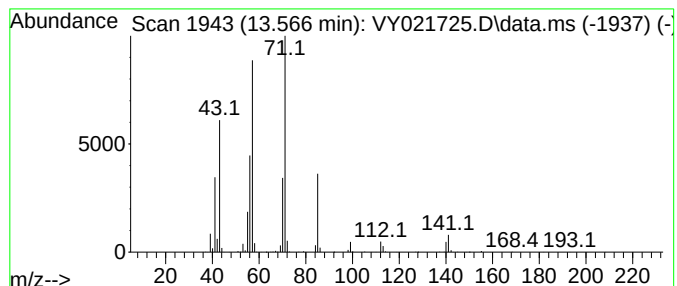
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 14 1-Hexanol, 5-methyl-2-(1-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.566	21.96 ug/l	840717	1,4-Dichlorobenzene-d4	13.346

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	83
2		Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	53
3		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
5		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

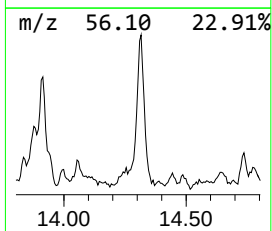
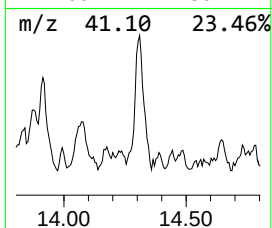
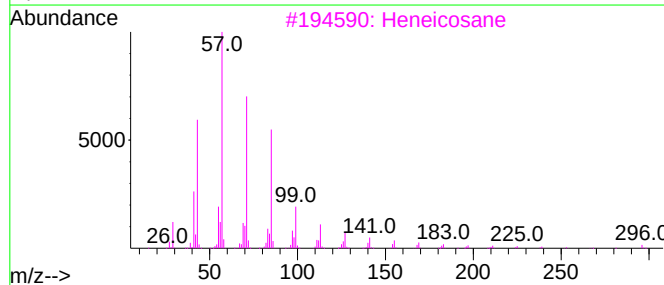
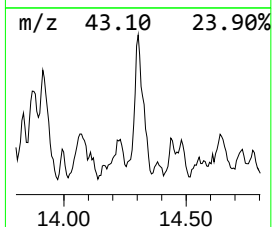
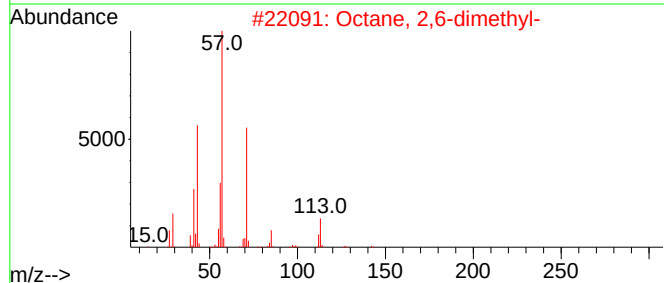
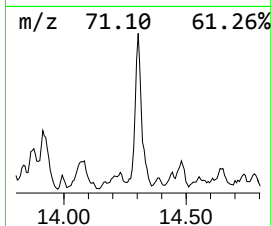
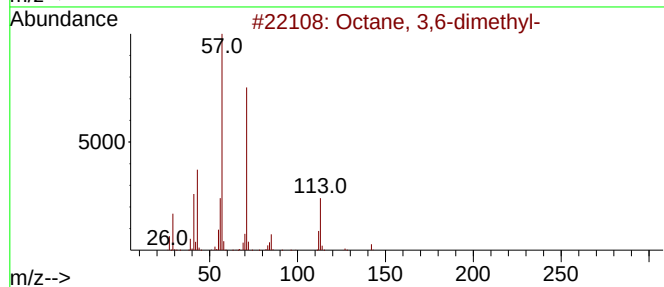
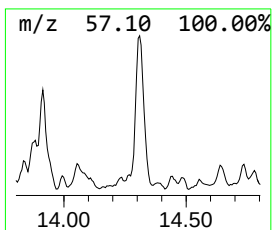
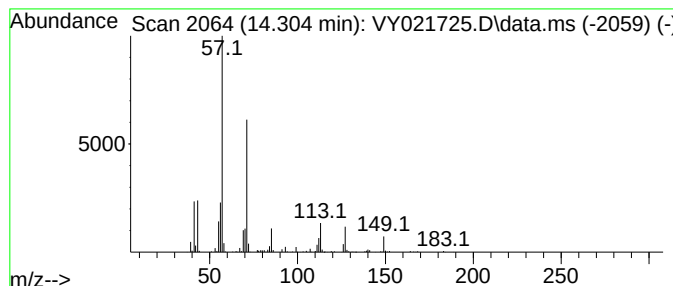
Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 15 Octane, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.304	11.89 ug/l	455348	1,4-Dichlorobenzene-d4		13.346	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	72
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	72
3	Heneicosane		296	C21H44	000629-94-7	59
4	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	53
5	Undecane, 6,6-dimethyl-		184	C13H28	017312-76-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Hexane, 2,2-dim...	8.244	129.4	ug/l	3421000	2	8.616	1322060	50.0
Hexane, 2,5-dim...	9.115	21.4	ug/l	565494	2	8.616	1322060	50.0
Pentane, 2,3,4-...	9.542	89.7	ug/l	2372730	2	8.616	1322060	50.0
Pentane, 2,3,3-...	9.670	75.5	ug/l	1994900	2	8.616	1322060	50.0
Hexane, 2,2,5-t...	10.042	28.7	ug/l	1307800	3	11.414	2279820	50.0
Octane, 2,2-dim...	11.487	10.8	ug/l	490538	3	11.414	2279820	50.0
Heptane, 3,3,5-...	11.670	10.5	ug/l	478122	3	11.414	2279820	50.0
Decane, 2,2,9-t...	12.554	25.4	ug/l	973238	4	13.346	1914620	50.0
Octane, 2,4,6-t...	12.755	18.2	ug/l	695274	4	13.346	1914620	50.0
Dodecane, 2,2,1...	12.993	38.5	ug/l	1475050	4	13.346	1914620	50.0
Decane, 2,2-dim...	13.097	14.5	ug/l	556116	4	13.346	1914620	50.0
Hexadecane	13.206	72.3	ug/l	2768950	4	13.346	1914620	50.0
Hexane, 2,2,3-t...	13.401	78.9	ug/l	3020480	4	13.346	1914620	50.0
1-Hexanol, 5-me...	13.566	22.0	ug/l	840717	4	13.346	1914620	50.0
Octane, 3,6-dim...	14.304	11.9	ug/l	455348	4	13.346	1914620	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	16.9	J	3.50	18.6	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.6	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.7	70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7	70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.1	70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7	70 (38) - 130 (136)	99%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	251000	7.707
540-36-3	1,4-Difluorobenzene	487000	8.616
3114-55-4	Chlorobenzene-d5	457000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	198000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000590-73-8	Hexane, 2,2-dimethyl-	7.90	J		8.24	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	4.50	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	6.70	J		9.67	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021738.D
 Acq On : 01 Apr 2025 13:46
 Operator : SY/MD
 Sample : Q1675-12
 Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T6

Quant Time: Apr 02 03:23:15 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)

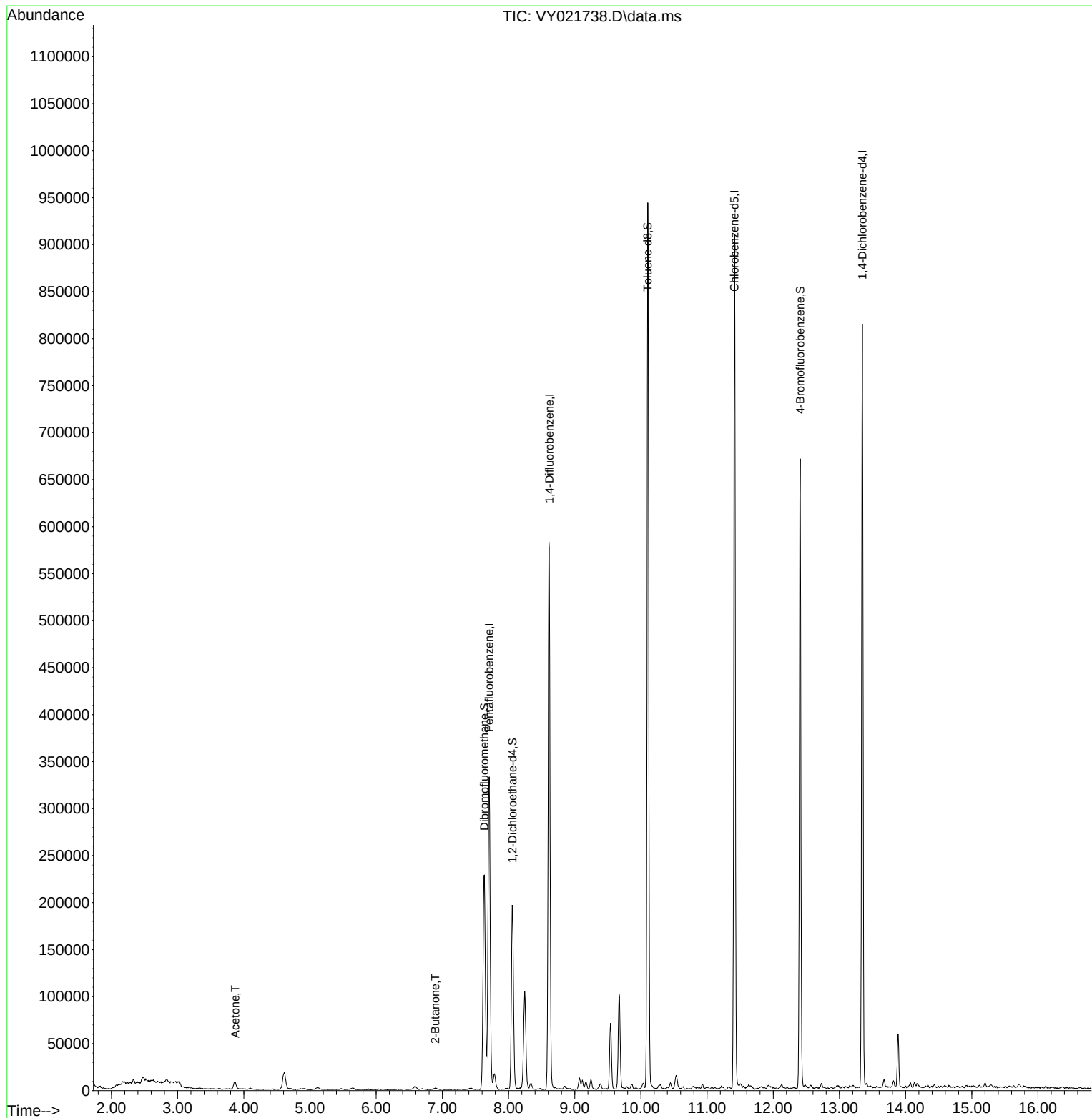
Internal Standards						
1) Pentafluorobenzene	7.707	168	250737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	486743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	457044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153980	56.680	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.360%
35) Dibromofluoromethane	7.634	113	160111	50.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.420%
50) Toluene-d8	10.103	98	601700	50.093	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.408	95	201813	49.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.340%
Target Compounds						
						Qvalue
16) Acetone	3.872	43	12649	22.750	ug/l	95
25) 2-Butanone	6.890	43	1701	2.142	ug/l	99

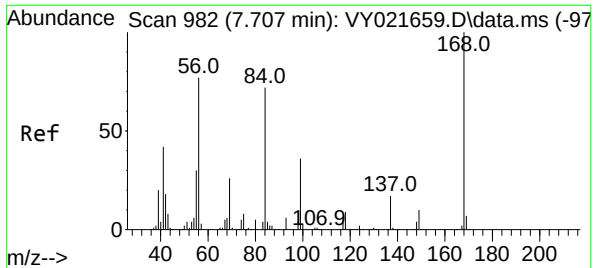
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Time: Apr 02 03:23:15 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

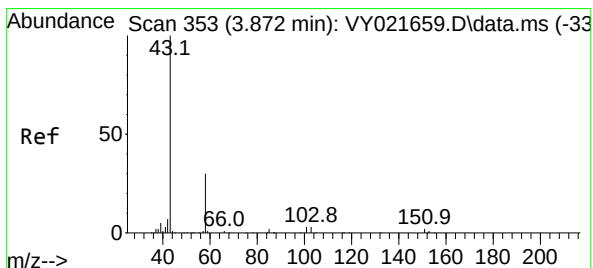
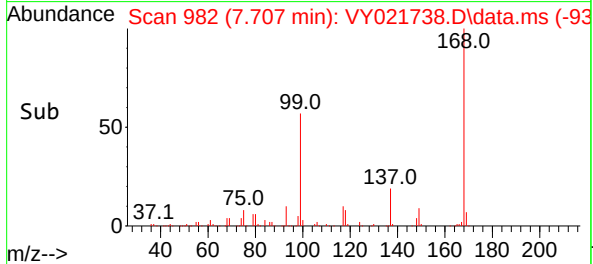
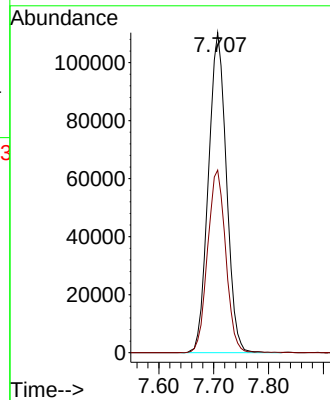
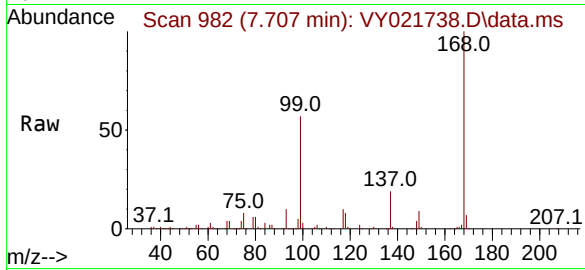




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

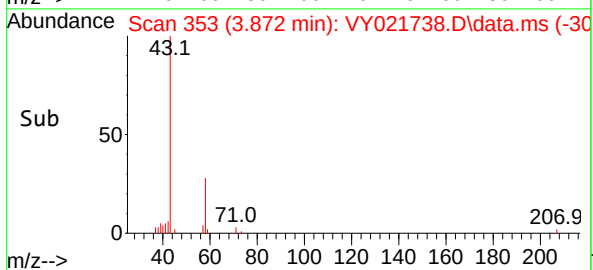
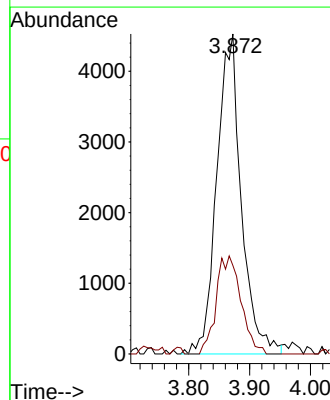
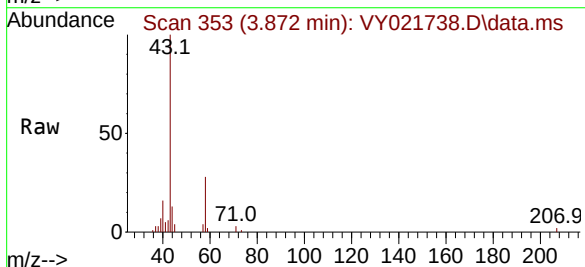
Instrument :
MSVOA_Y
ClientSampleId :
T6

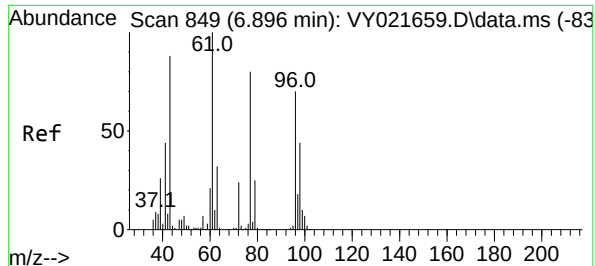
Tgt Ion:168 Resp: 250737
Ion Ratio Lower Upper
168 100
99 57.0 46.7 70.1



#16
Acetone
Concen: 22.750 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 43 Resp: 12649
Ion Ratio Lower Upper
43 100
58 27.6 24.2 36.4





#25

2-Butanone

Concen: 2.142 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021738.D

Acq: 01 Apr 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

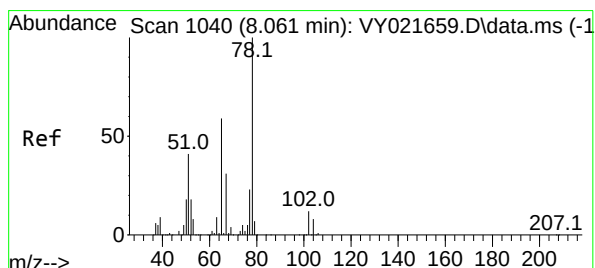
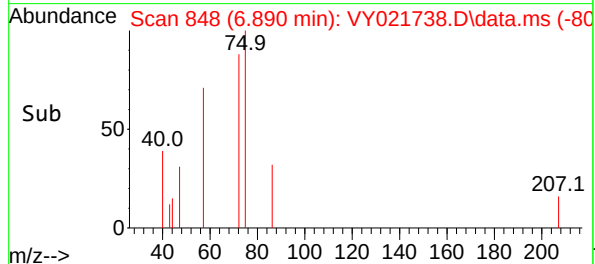
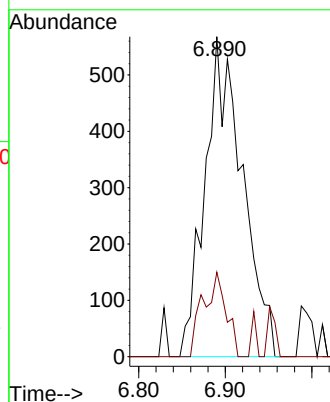
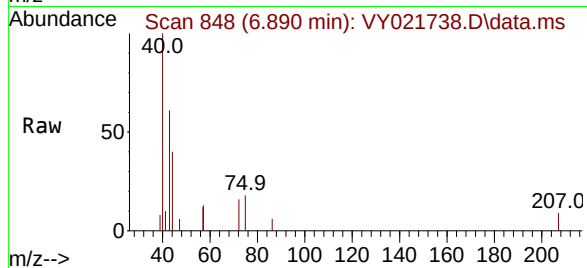
T6

Tgt Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

72 26.4 21.4 32.2



#33

1,2-Dichloroethane-d4

Concen: 56.680 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021738.D

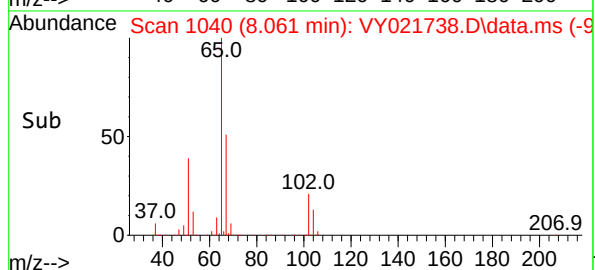
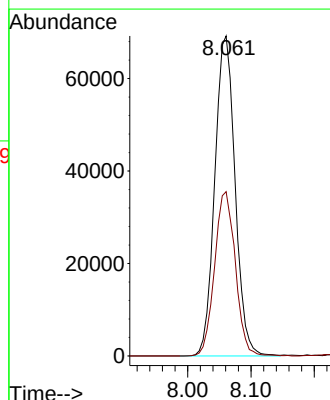
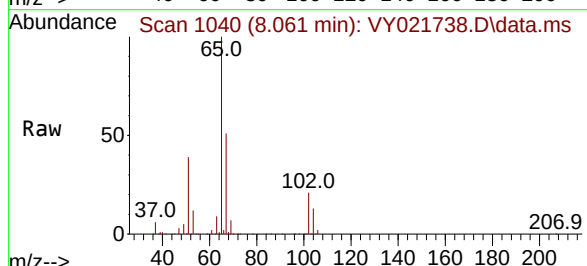
Acq: 01 Apr 2025 13:46

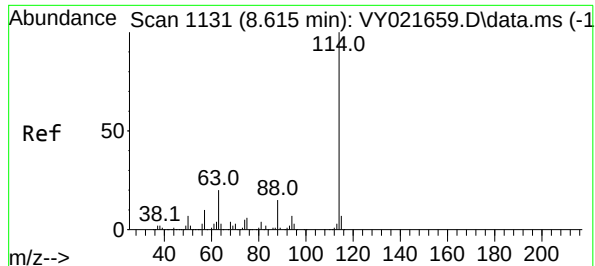
Tgt Ion: 65 Resp: 153980

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: VY021738.D

Acq: 01 Apr 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

T6

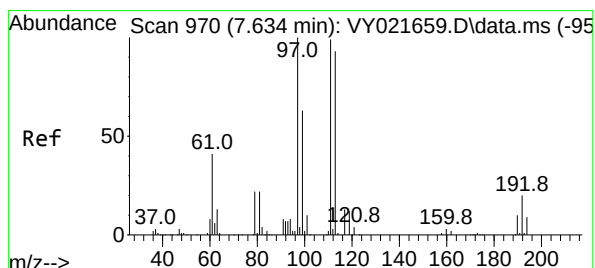
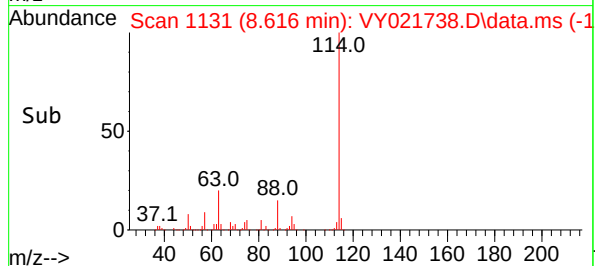
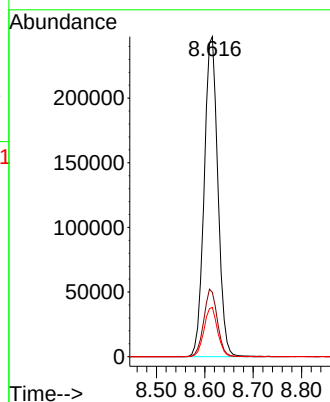
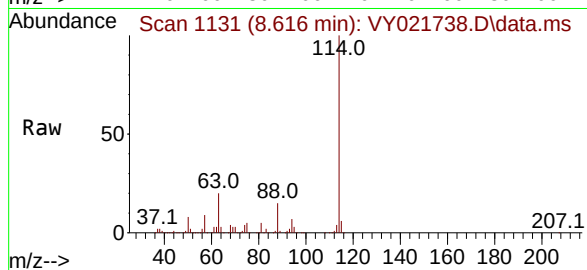
Tgt Ion:114 Resp: 486743

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.709 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021738.D

Acq: 01 Apr 2025 13:46

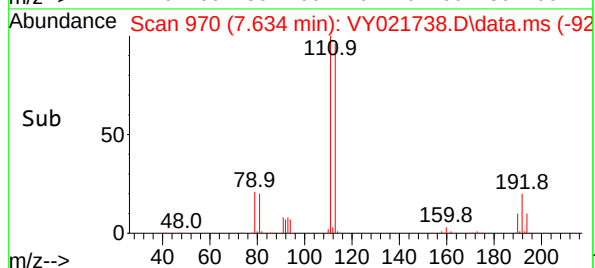
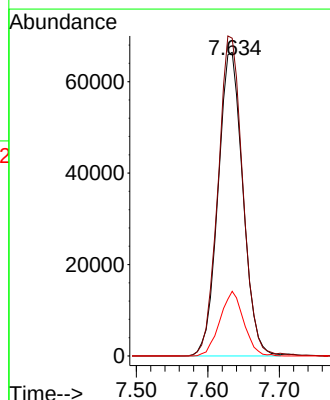
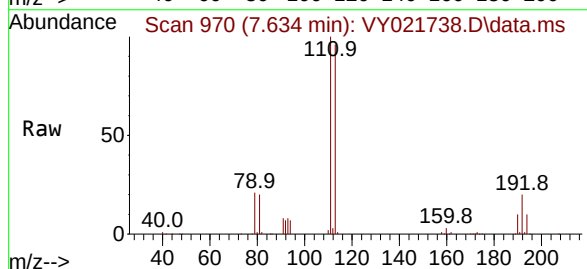
Tgt Ion:113 Resp: 160111

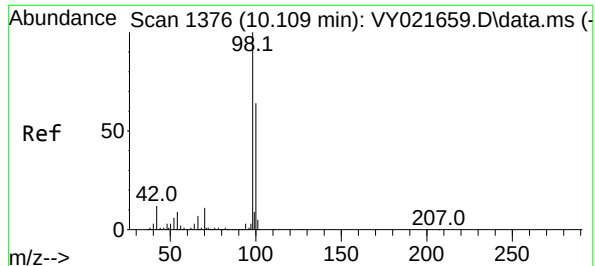
Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

192 20.5 16.2 24.4





#50

Toluene-d8

Concen: 50.093 ug/l

RT: 10.103 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY021738.D

Acq: 01 Apr 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

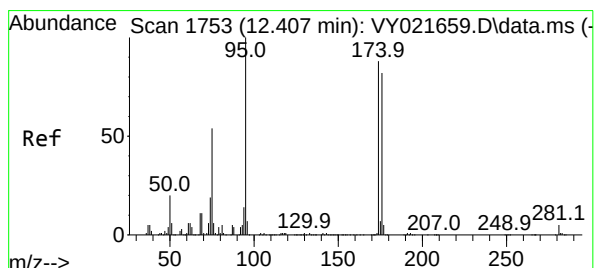
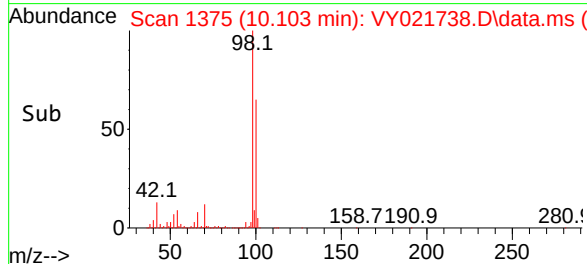
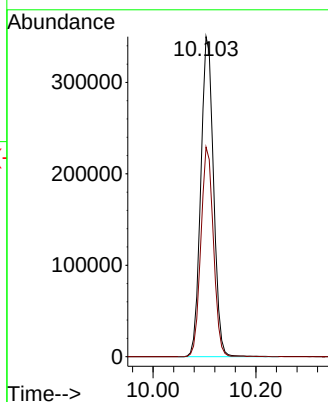
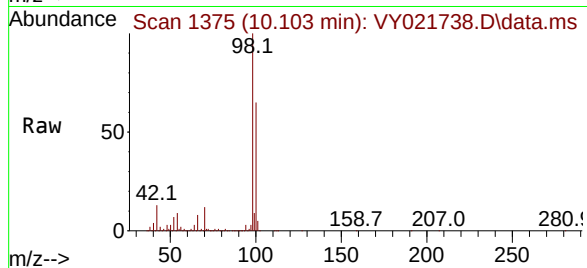
T6

Tgt Ion: 98 Resp: 601700

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 49.672 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021738.D

Acq: 01 Apr 2025 13:46

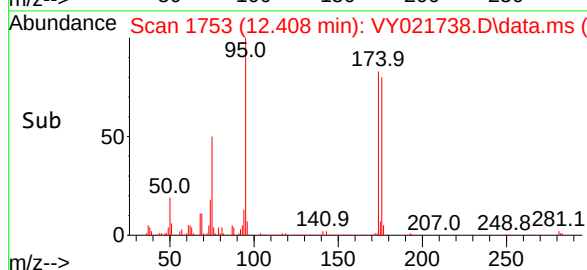
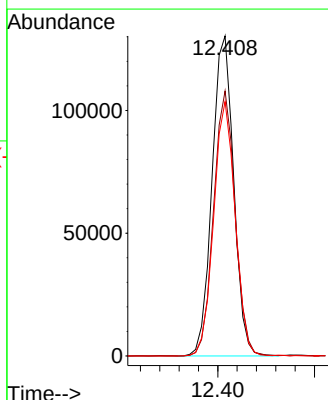
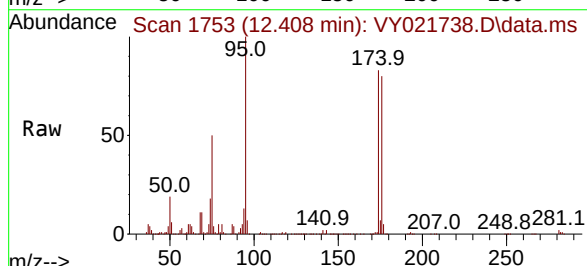
Tgt Ion: 95 Resp: 201813

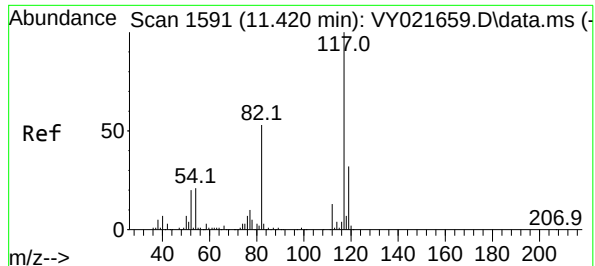
Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.8

176 79.2 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: VY021738.D

Acq: 01 Apr 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

T6

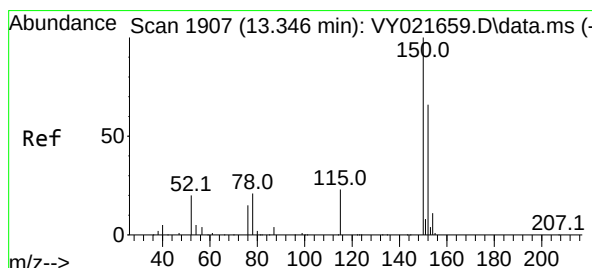
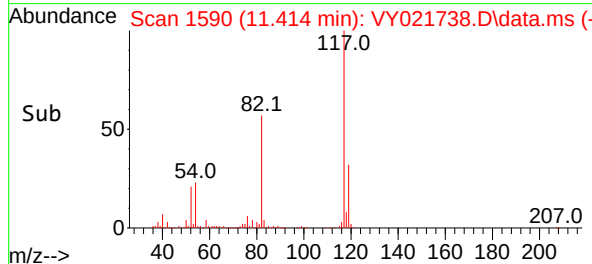
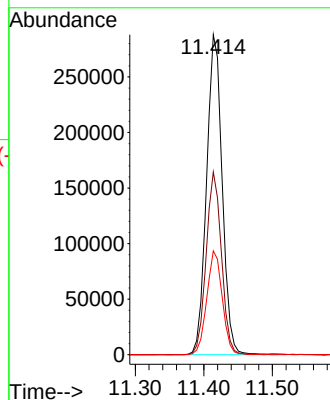
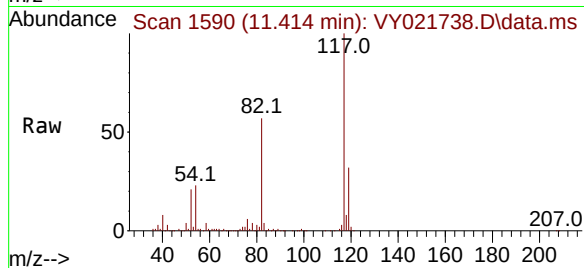
Tgt Ion:117 Resp: 457044

Ion Ratio Lower Upper

117 100

82 57.1 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: VY021738.D

Acq: 01 Apr 2025 13:46

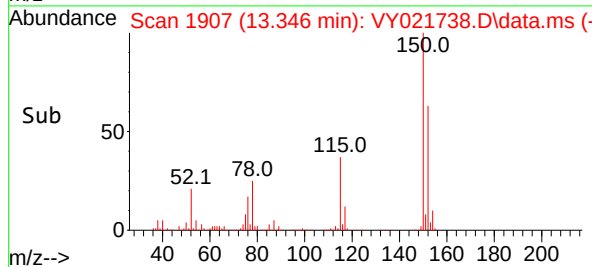
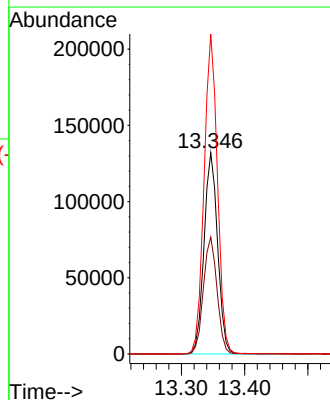
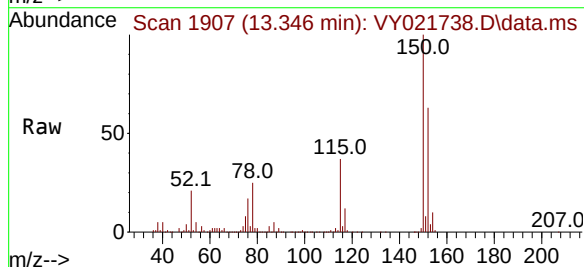
Tgt Ion:152 Resp: 197804

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 156.7 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021738.D
 Acq On : 01 Apr 2025 13:46
 Operator : SY/MD
 Sample : Q1675-12
 Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021738.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.860	345	351	362	rVB2	7442	21612	1.34%	0.235%
2	4.610	460	474	485	rBV2	18020	60134	3.73%	0.655%
3	7.634	958	970	976	rBV2	228054	559280	34.68%	6.094%
4	7.707	976	982	990	rVV	332641	757459	46.97%	8.253%
5	7.786	990	995	1006	rVB4	16615	42907	2.66%	0.467%
6	8.055	1030	1039	1052	rBV	195883	437507	27.13%	4.767%
7	8.244	1060	1070	1080	rBV	103872	247797	15.37%	2.700%
8	8.609	1121	1130	1142	rBV	582872	1157845	71.80%	12.615%
9	9.073	1200	1206	1210	rBV4	11788	25237	1.57%	0.275%
10	9.164	1217	1221	1229	rVV7	7564	16177	1.00%	0.176%
11	9.243	1229	1234	1243	rVB3	10047	20008	1.24%	0.218%
12	9.542	1275	1283	1295	rBV	70282	140883	8.74%	1.535%
13	9.670	1295	1304	1312	rBV2	101206	209110	12.97%	2.278%
14	10.103	1368	1375	1391	rVB	941969	1612574	100.00%	17.570%
15	10.536	1437	1446	1455	rBV7	14053	36206	2.25%	0.394%
16	11.414	1583	1590	1601	rBV	907317	1435885	89.04%	15.645%
17	12.408	1744	1753	1761	rBV	670247	1076984	66.79%	11.734%
18	13.346	1899	1907	1915	rBV	812368	1222611	75.82%	13.321%
19	13.883	1989	1995	2008	rVB	56988	97871	6.07%	1.066%

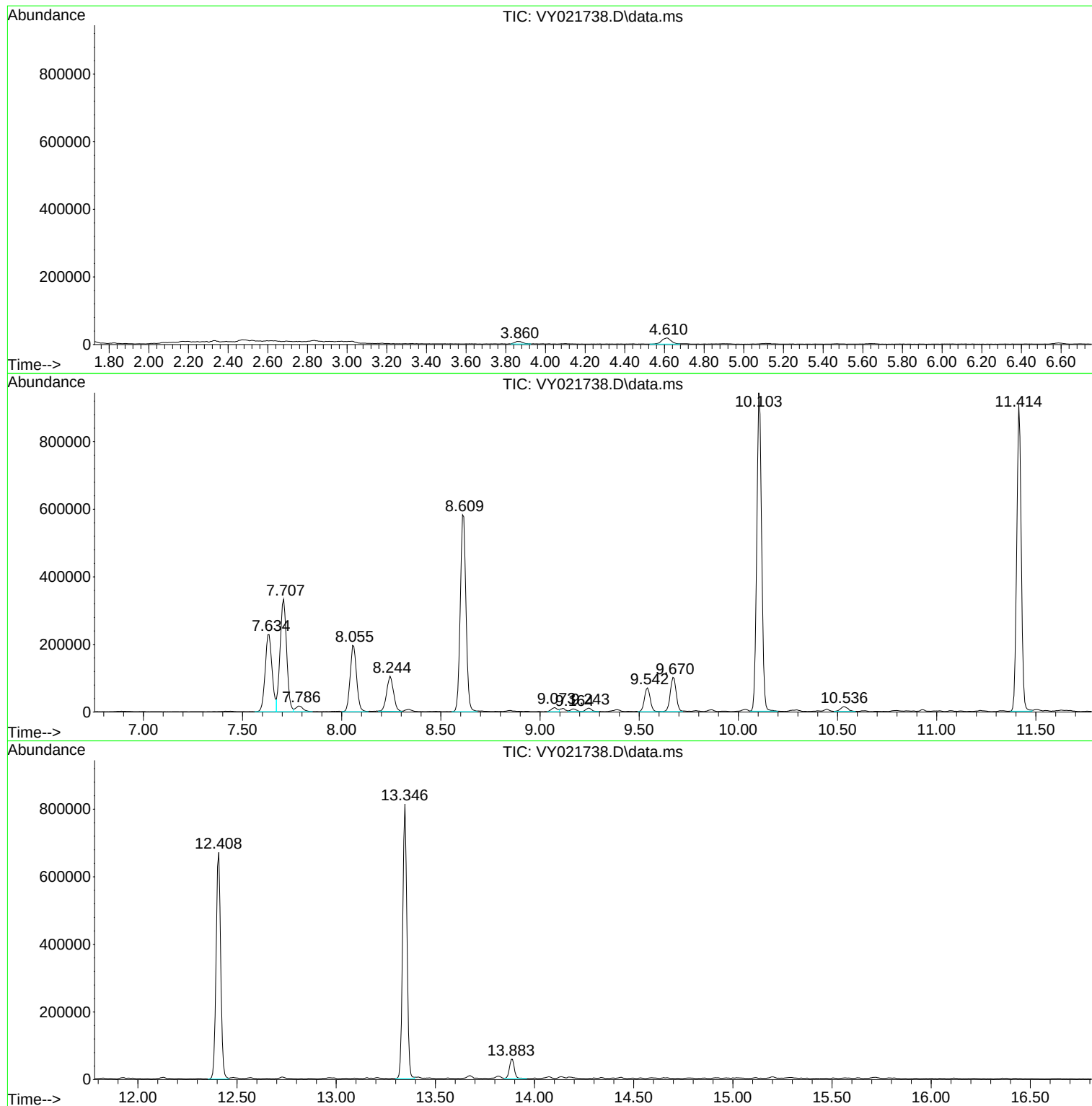
Sum of corrected areas: 9178087

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

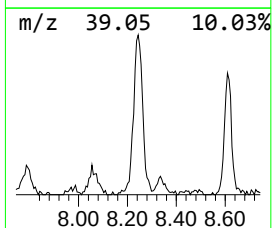
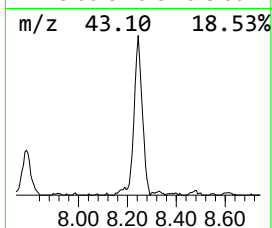
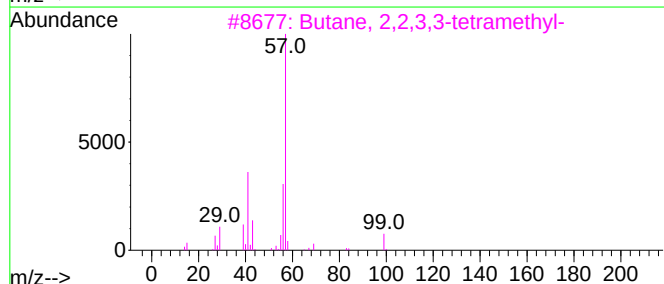
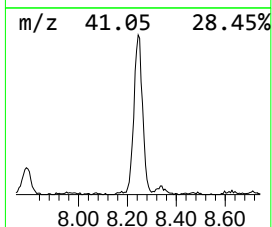
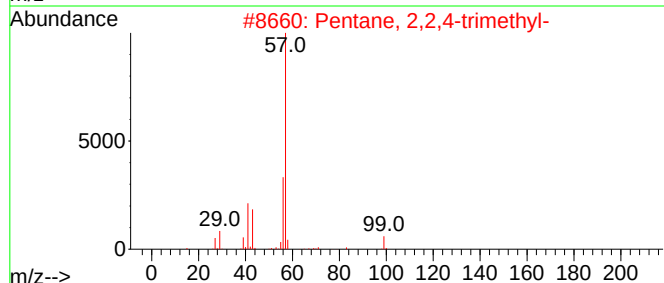
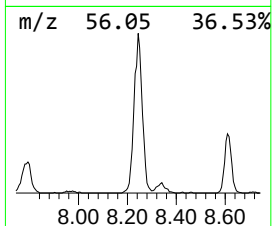
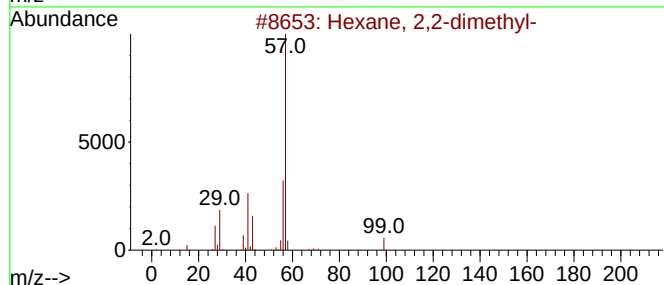
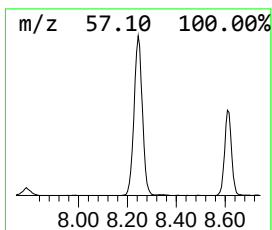
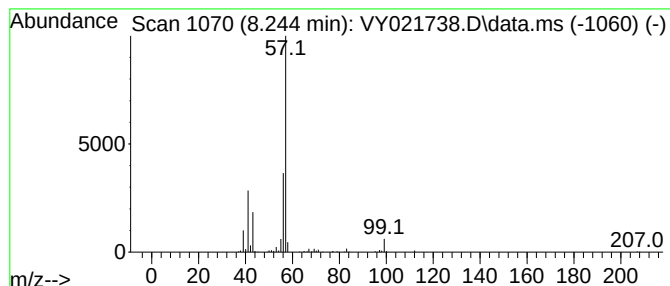
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	10.70 ug/l	247797	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

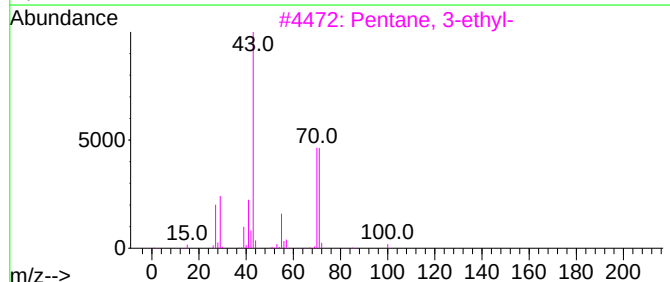
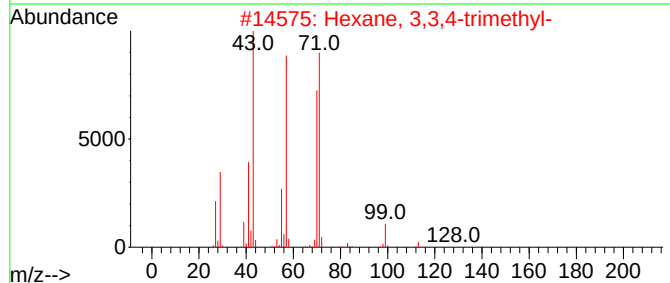
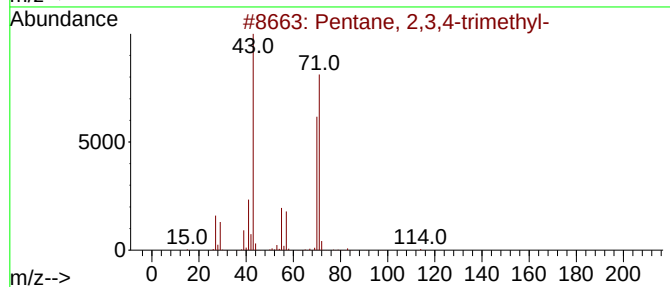
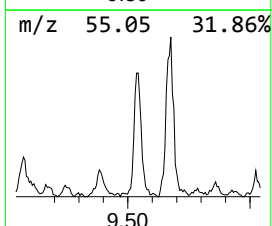
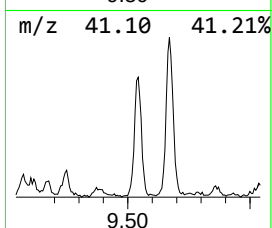
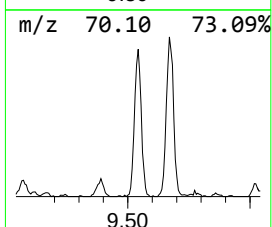
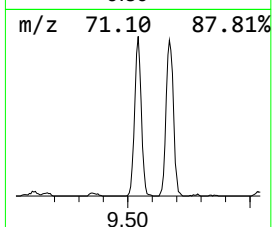
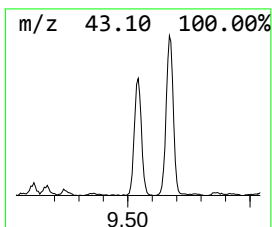
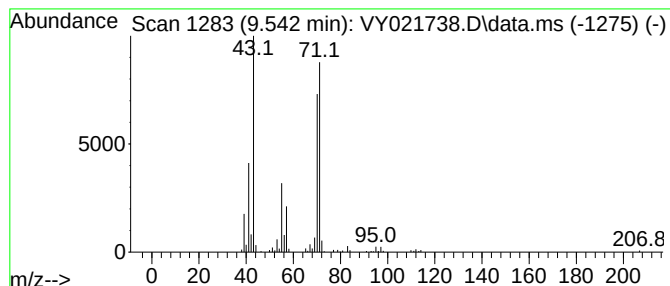
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	6.08 ug/l	140883	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4			Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	64
5			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

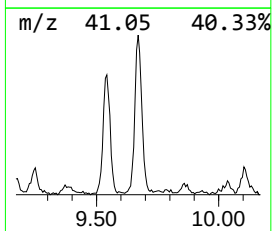
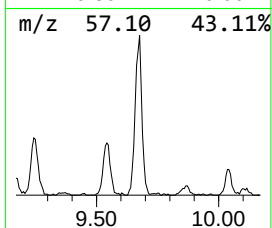
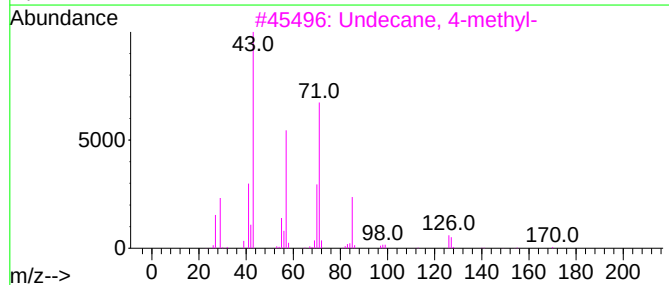
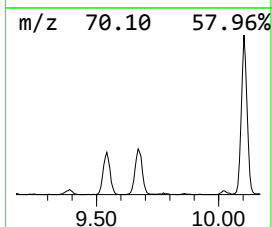
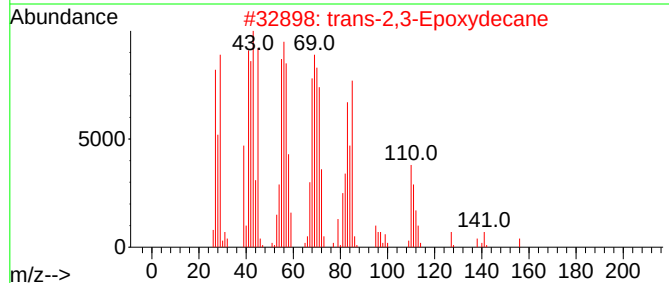
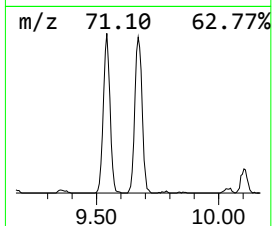
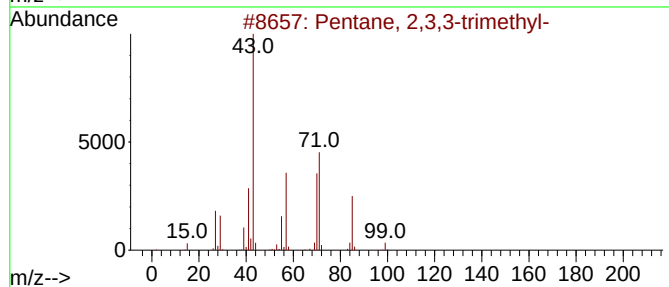
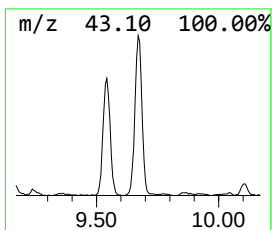
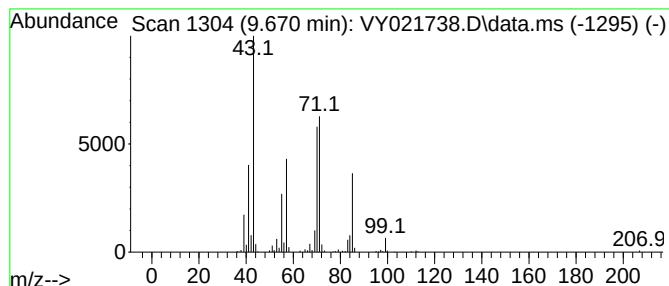
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	9.03 ug/l	209110	1,4-Difluorobenzene	8.616

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2		trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	64
3		Undecane, 4-methyl-	170	C12H26	002980-69-0	59
4		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5		Pentane, 3-ethyl-	100	C7H16	000617-78-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Hexane, 2,2-dim...	8.244	10.7	ug/l	247797	2	8.616	1157850	50.0
Pentane, 2,3,4-...	9.542	6.1	ug/l	140883	2	8.616	1157850	50.0
Pentane, 2,3,3-...	9.670	9.0	ug/l	209110	2	8.616	1157850	50.0



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675
 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	
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	
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	
Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	11	
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	
Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.1	
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	
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3	
Bromochloromethane	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.3	
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	
Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.5	
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	
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	
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675
 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
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
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
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
1,3-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
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
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

* 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

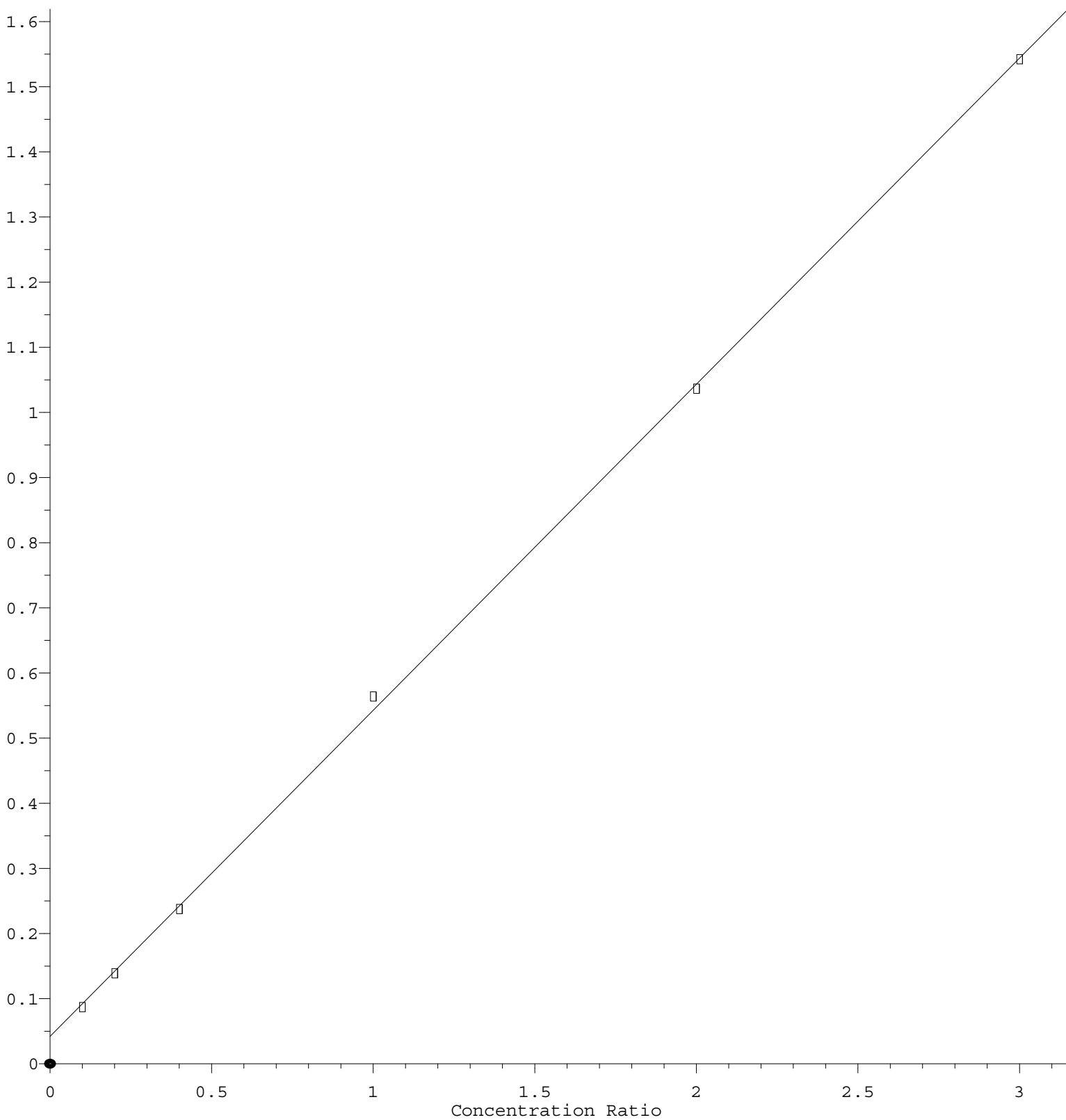
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y032725S.M

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



$$\text{Response} = 5.006\text{e-}001 * \text{Amt} + 4.197\text{e-}002$$

Coef of Det (r^2) = 0.999666 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y032725S.M

Calibration Table Last Updated: Fri Mar 28 02:30:29 2025

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 : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

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)

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

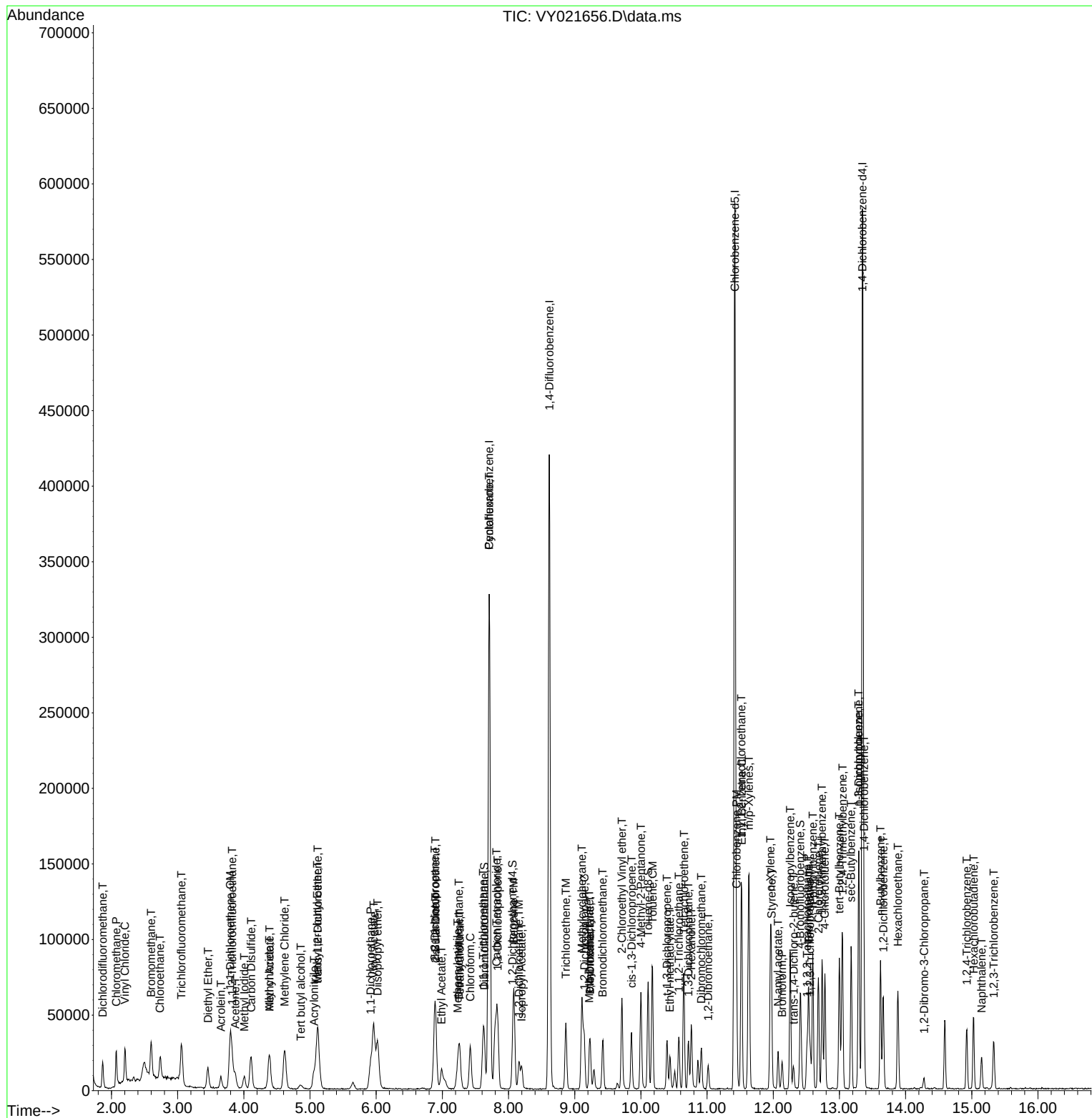
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Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

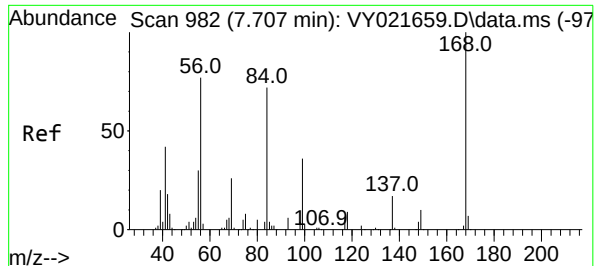
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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





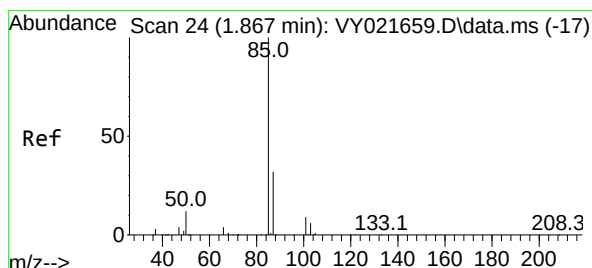
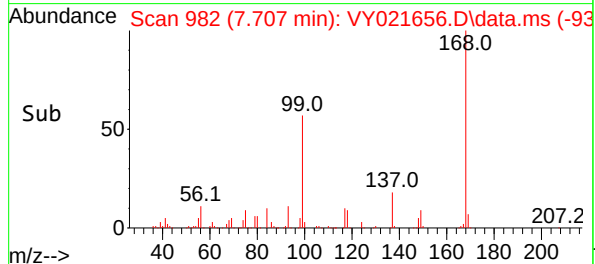
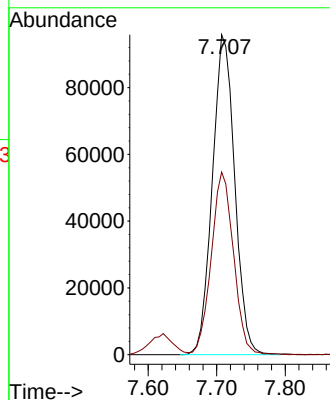
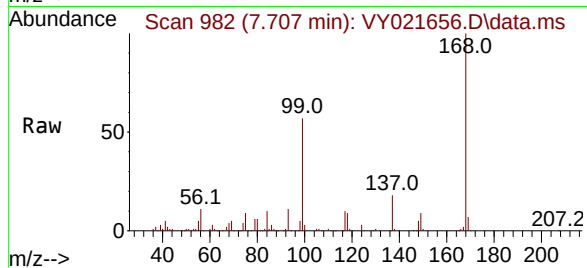
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

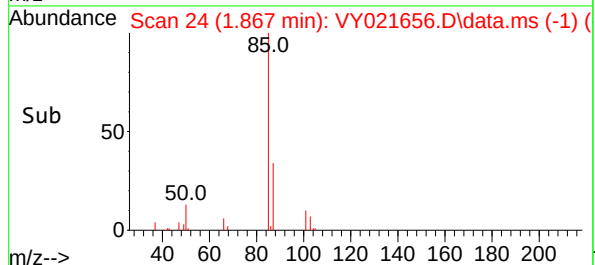
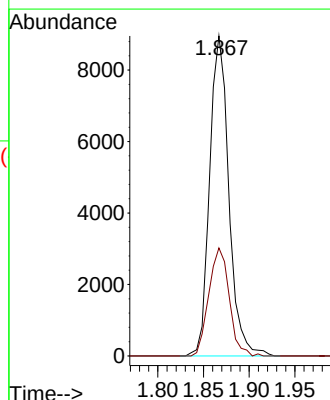
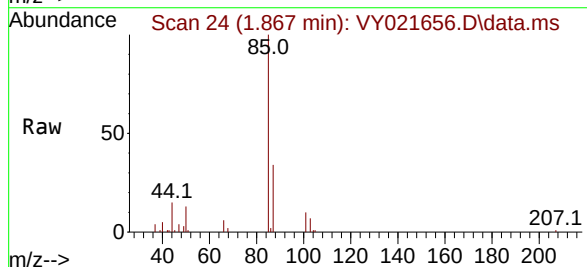
Manual Integrations
APPROVED

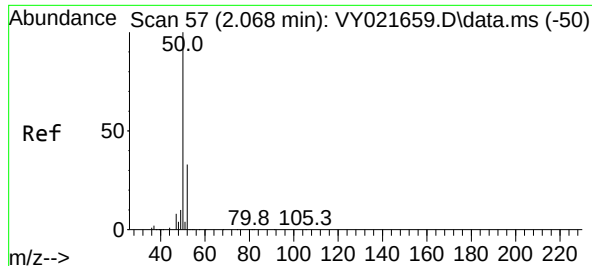
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





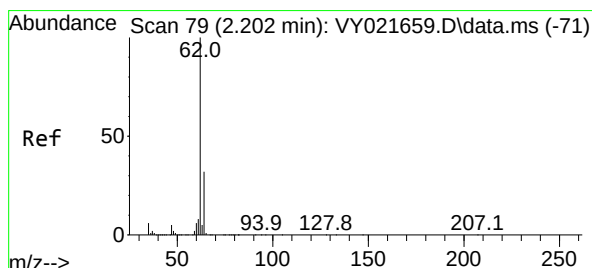
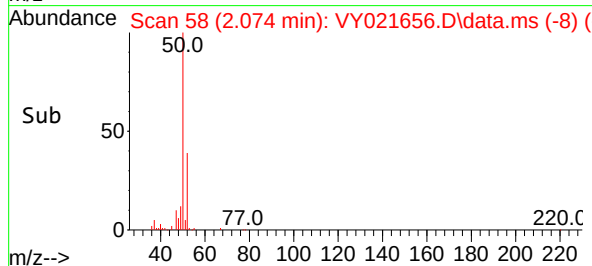
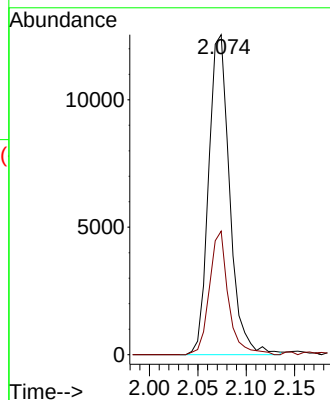
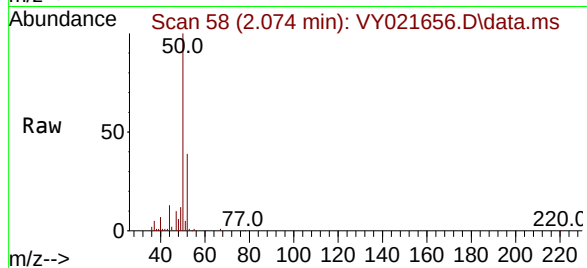
#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

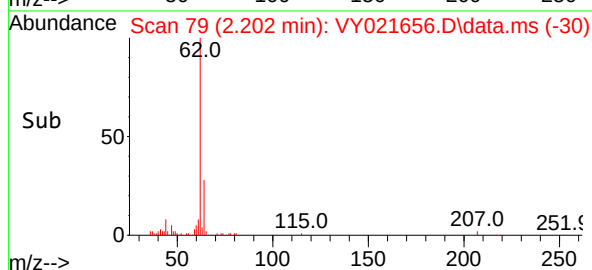
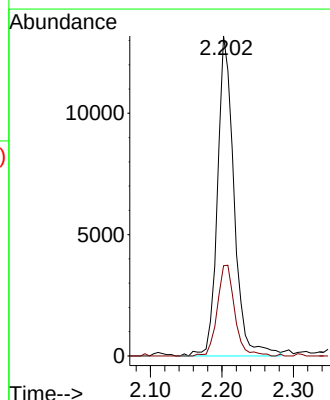
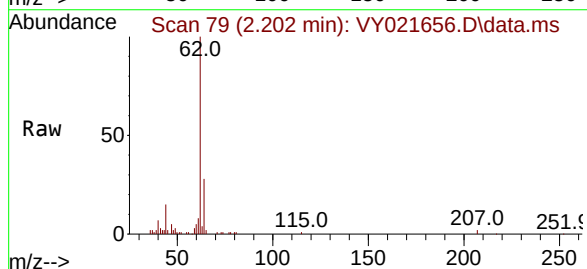
Manual Integrations
APPROVED

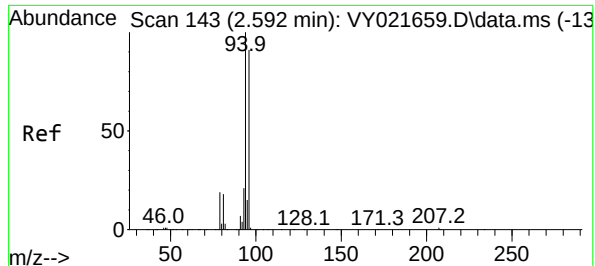
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

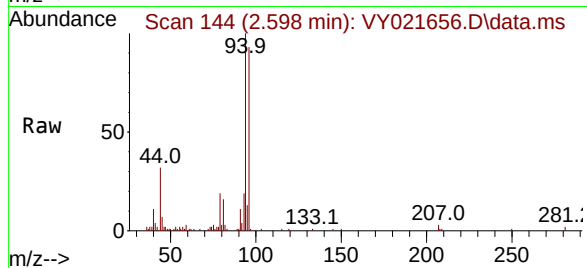
Tgt Ion: 62 Resp: 21214
Ion Ratio Lower Upper
62 100
64 28.2 25.5 38.3





#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

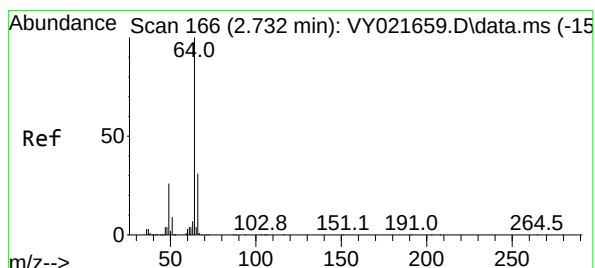
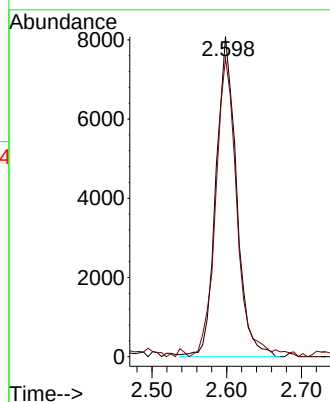
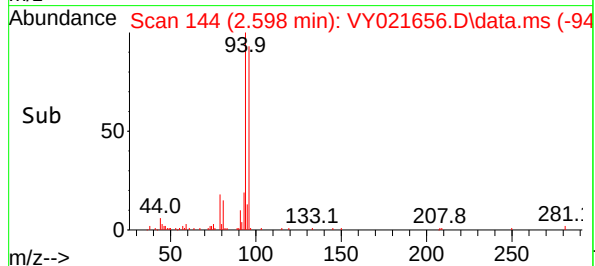
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

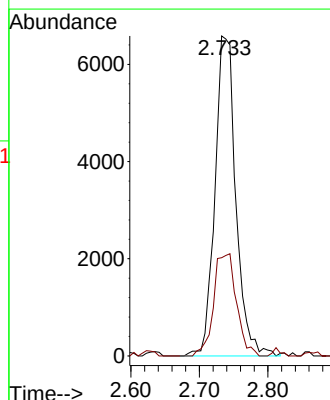
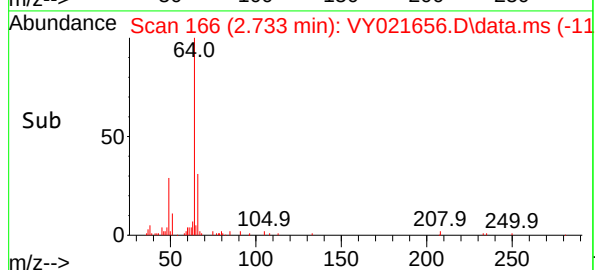
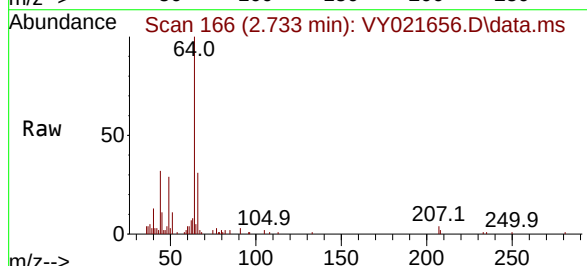
Manual Integrations
APPROVED

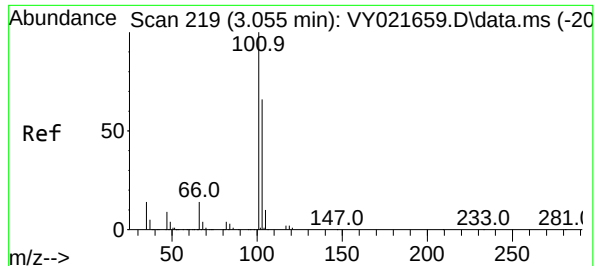
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

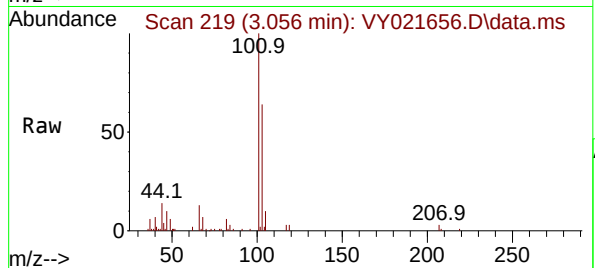
Tgt Ion: 64 Resp: 13977
Ion Ratio Lower Upper
64 100
66 30.7 24.9 37.3





#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

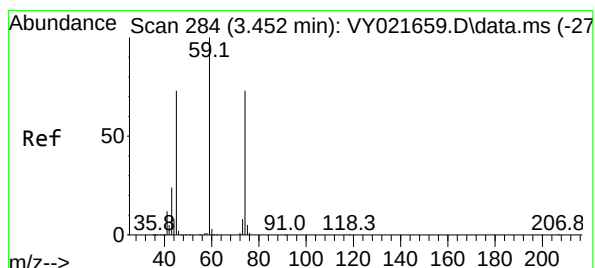
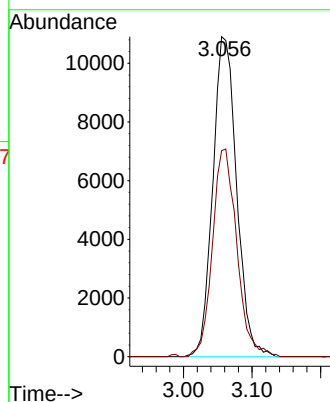
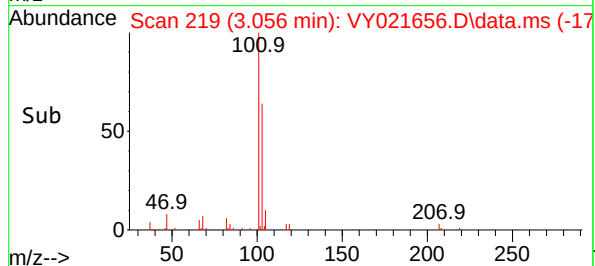
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

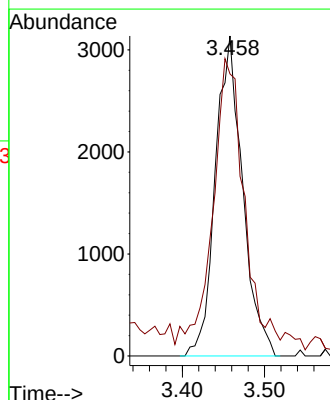
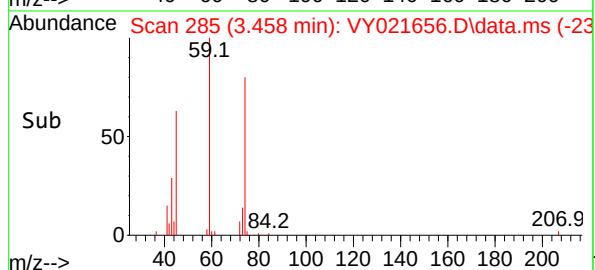
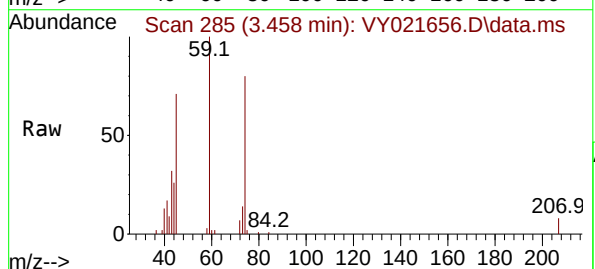
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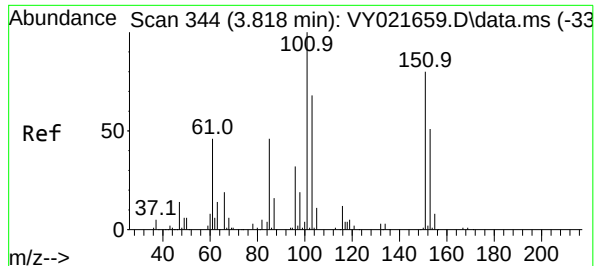
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





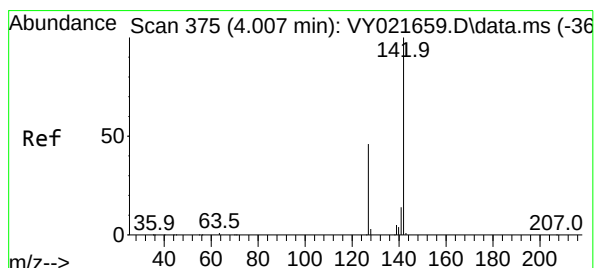
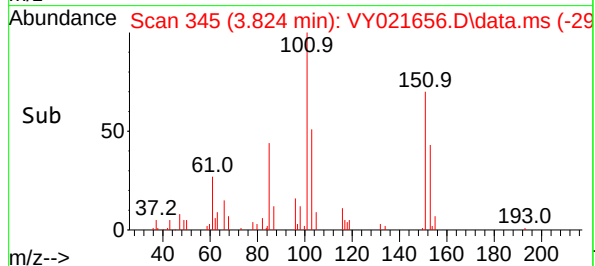
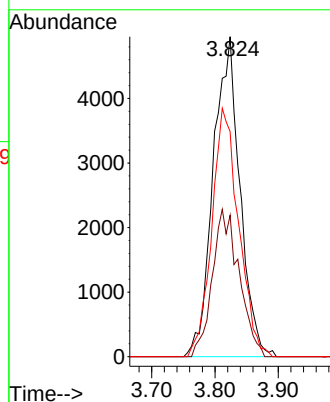
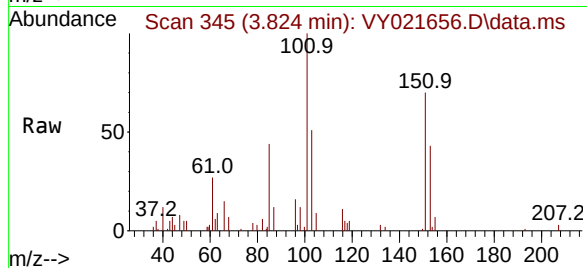
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

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

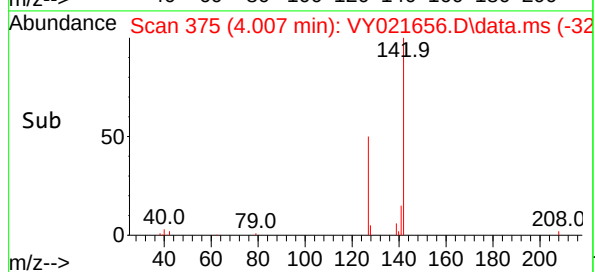
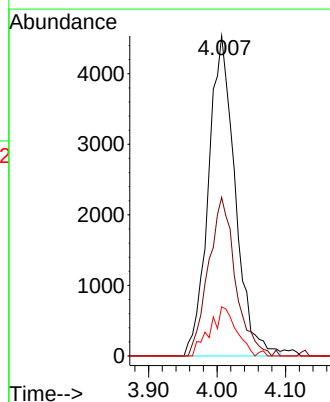
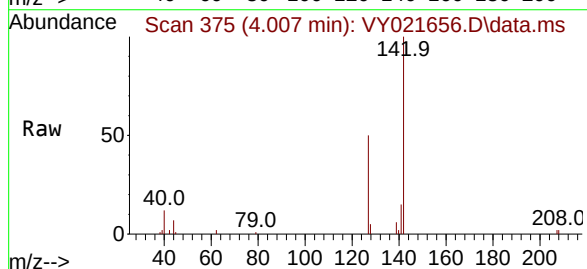
Manual Integrations
APPROVED

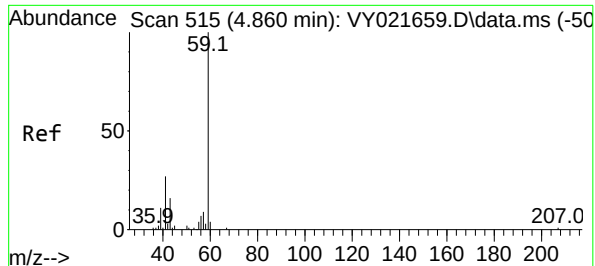
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

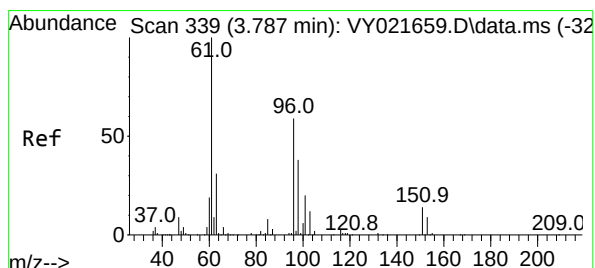
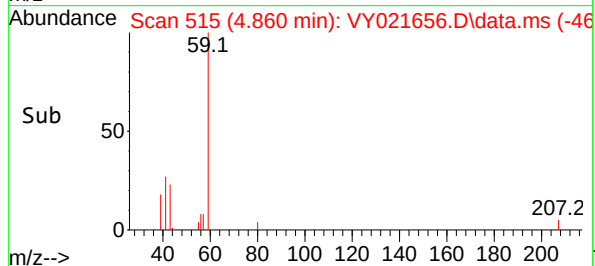
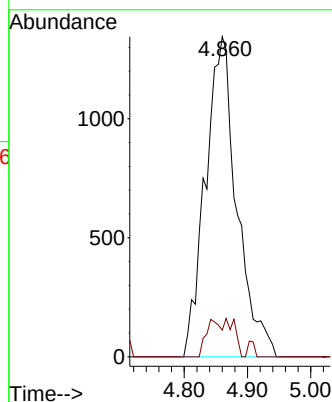
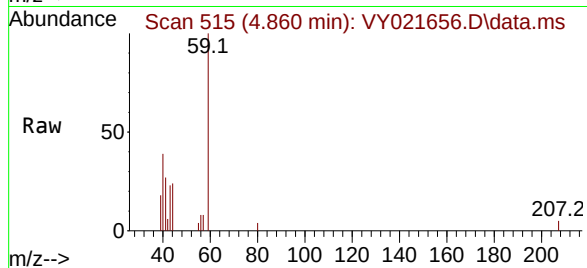
57 5.7 9.2 13.8

Manual Integrations

APPROVED

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

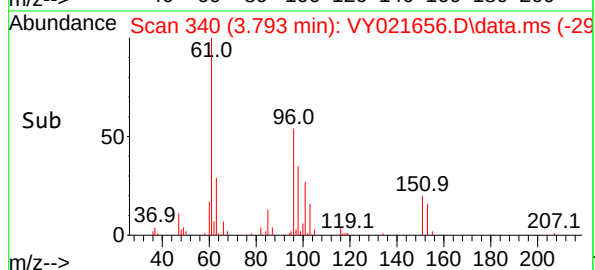
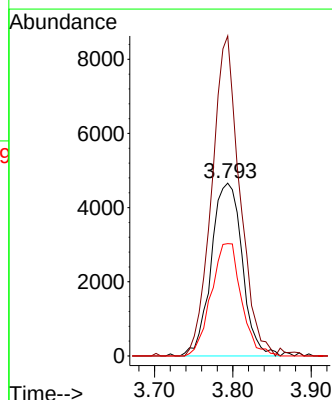
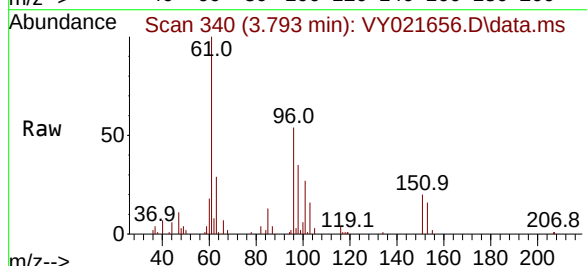
Tgt Ion: 96 Resp: 12778

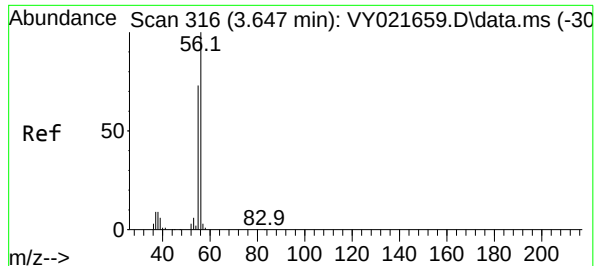
Ion Ratio Lower Upper

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

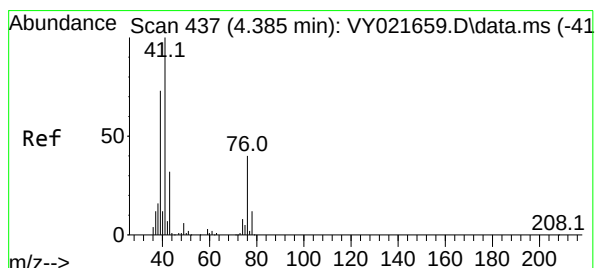
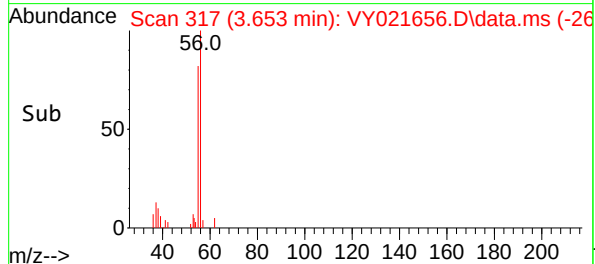
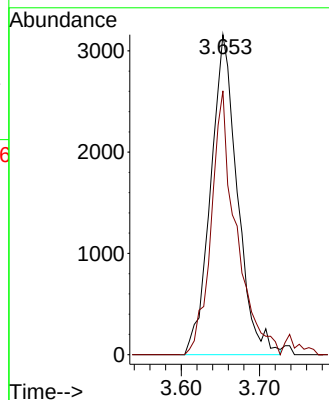
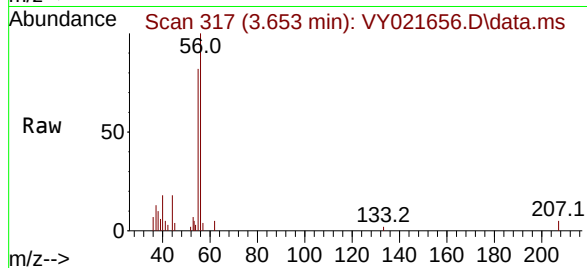
ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

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

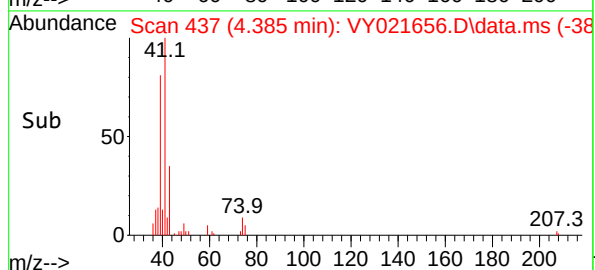
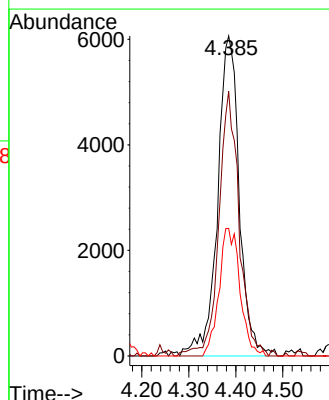
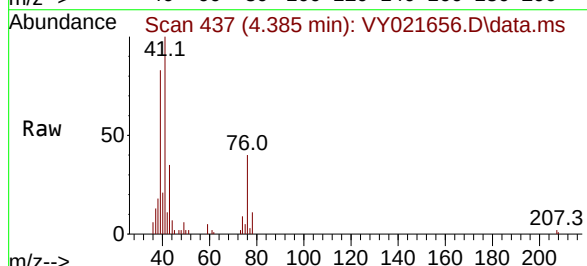
Tgt Ion: 41 Resp: 19469

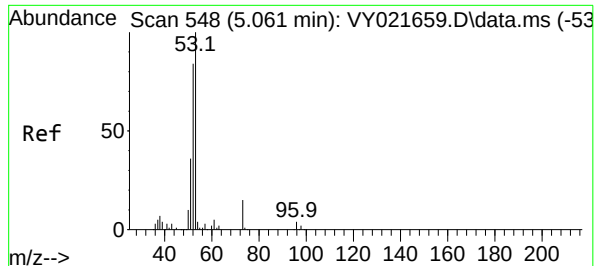
Ion Ratio Lower Upper

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 :

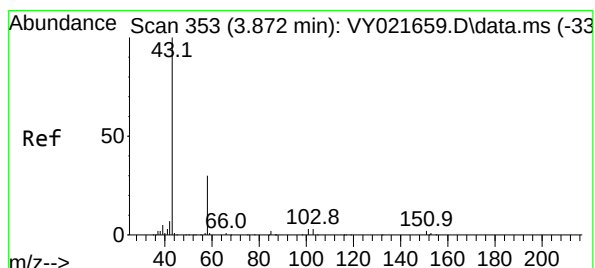
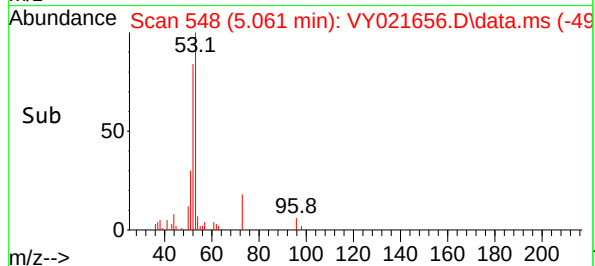
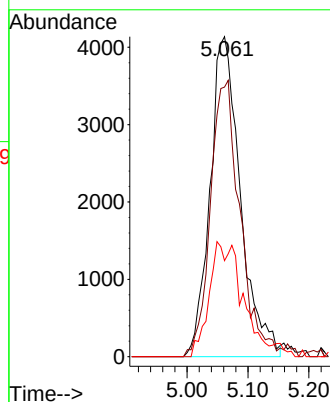
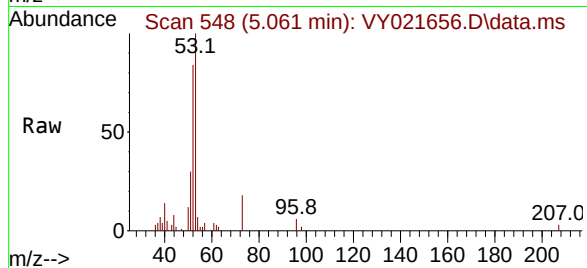
VSTDICC005

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

APPROVED

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



#16

Acetone

Concen: 32.687 ug/l

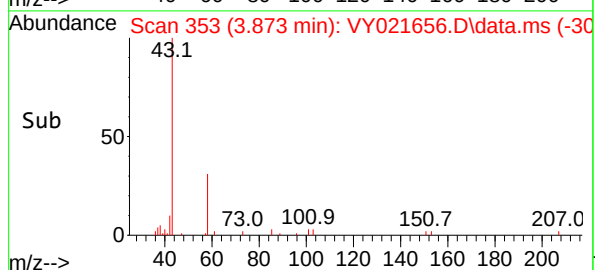
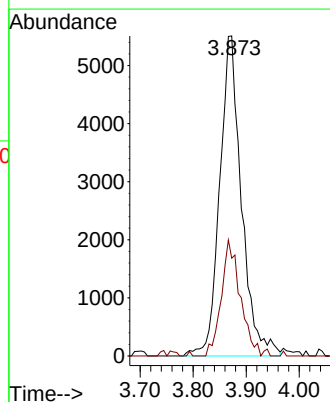
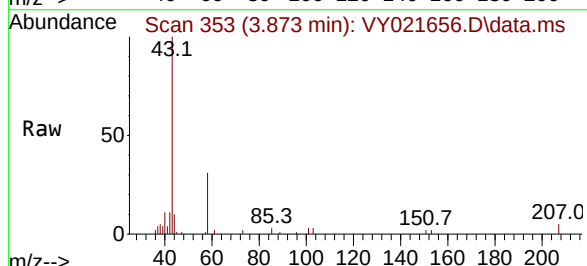
RT: 3.873 min Scan# 353

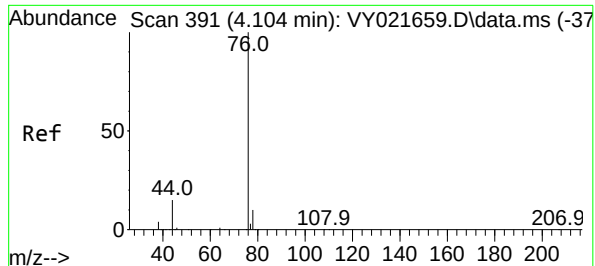
Delta R.T. 0.000 min

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





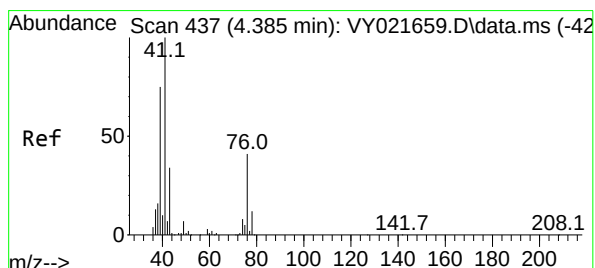
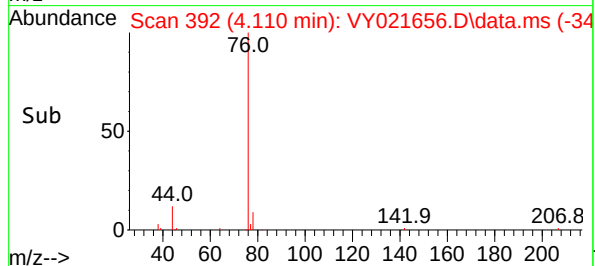
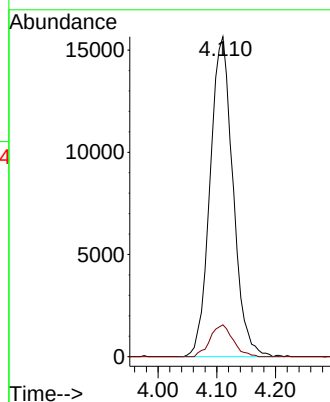
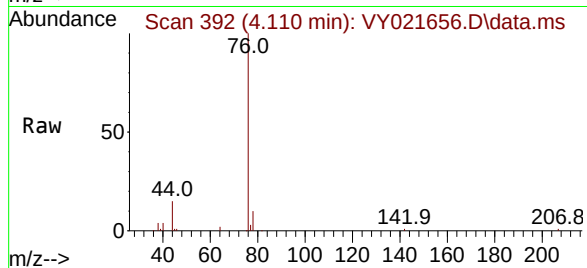
#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

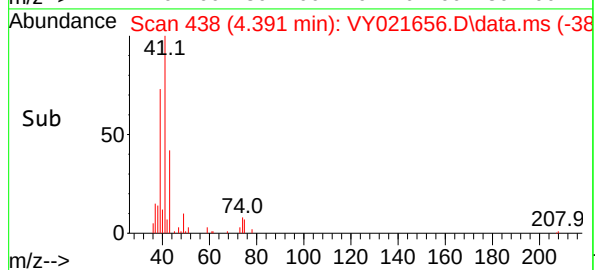
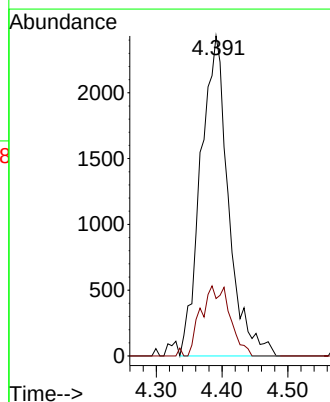
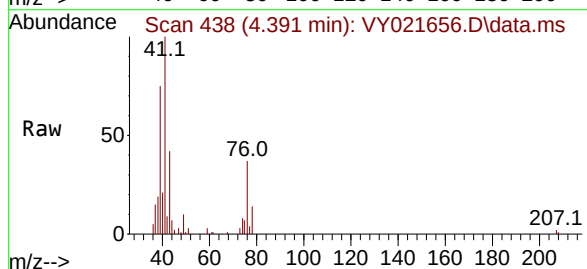
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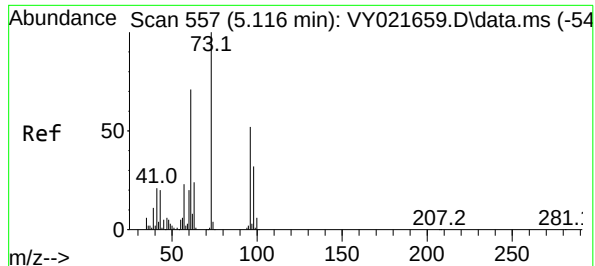
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

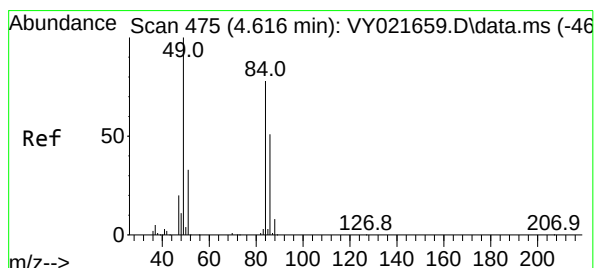
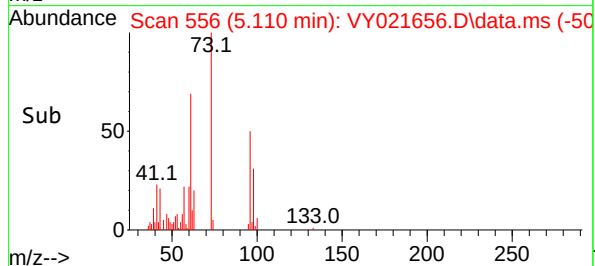
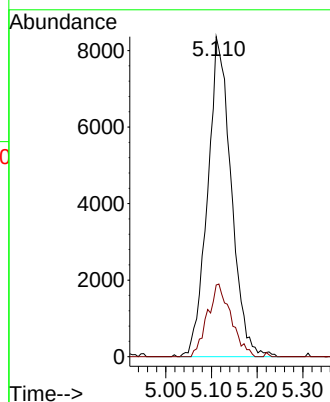
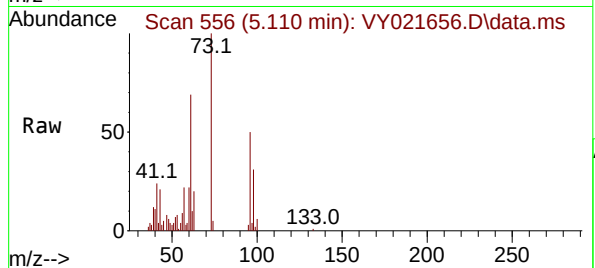
Ion Ratio Lower Upper

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

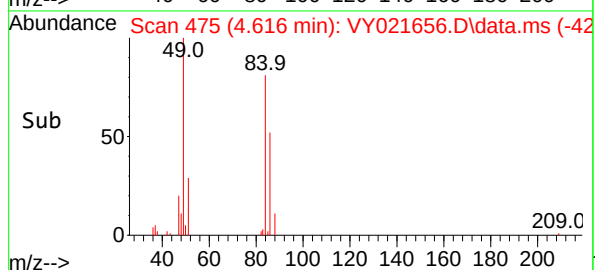
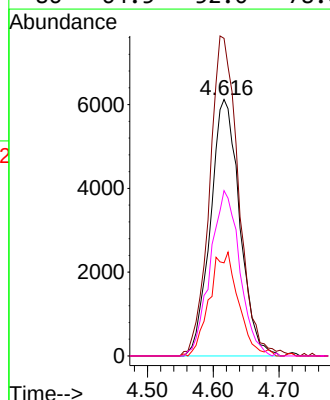
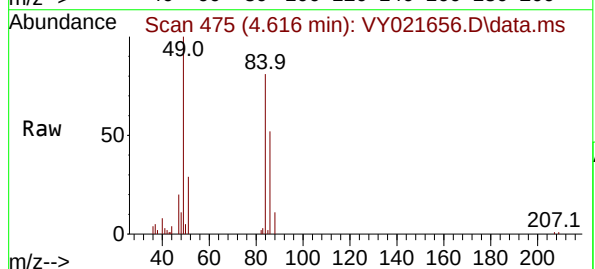
Ion Ratio Lower Upper

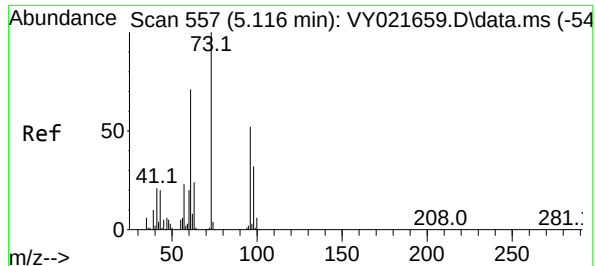
84 100

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

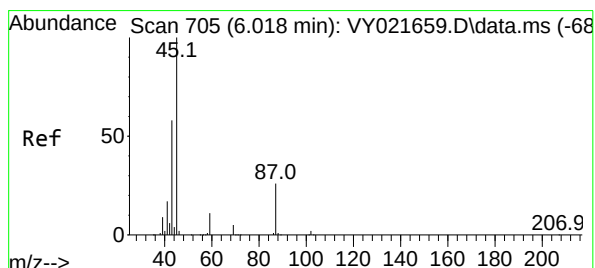
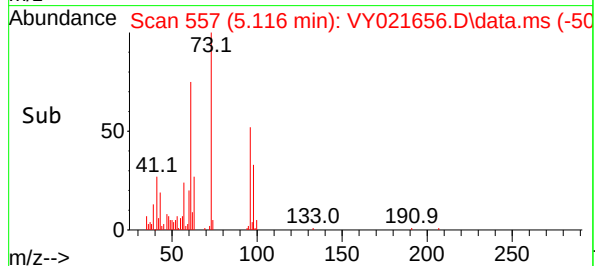
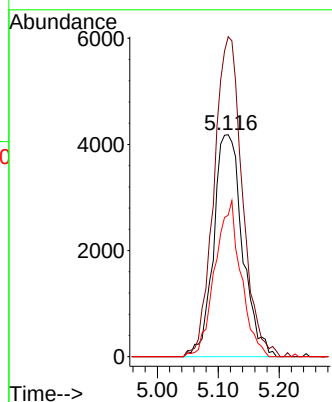
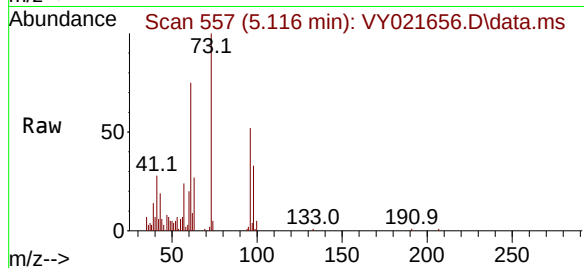
98 63.7 50.2 75.2

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

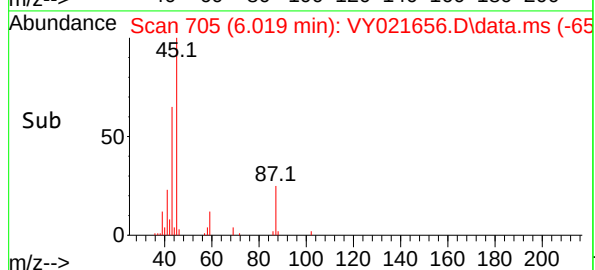
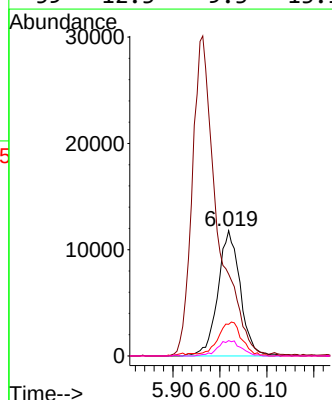
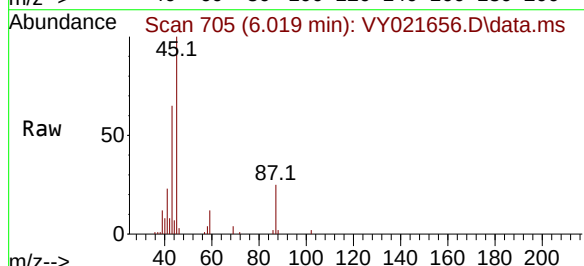
Ion Ratio Lower Upper

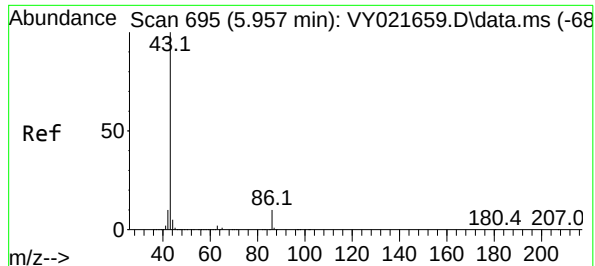
45 100

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

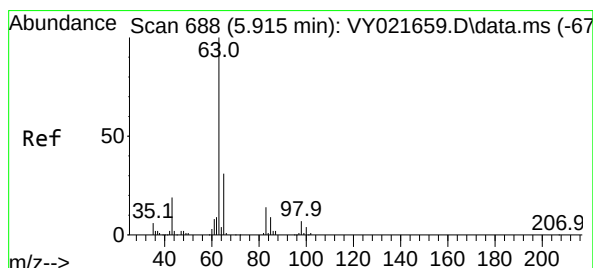
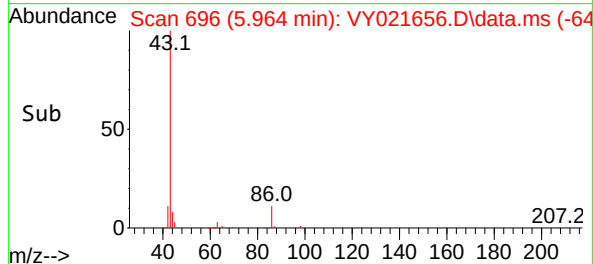
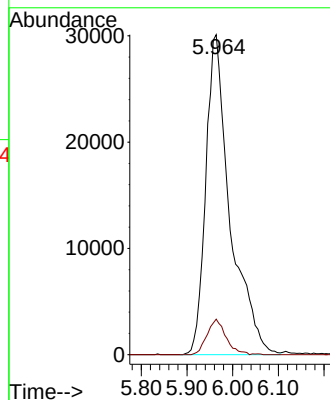
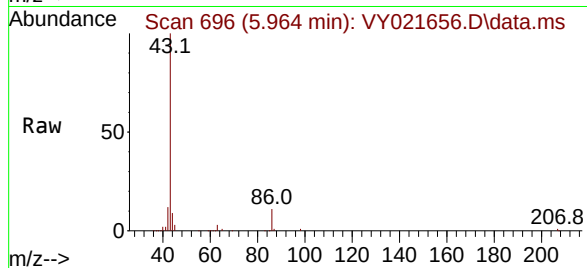
Ion Ratio Lower Upper

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

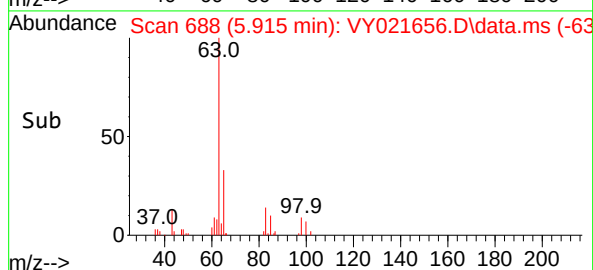
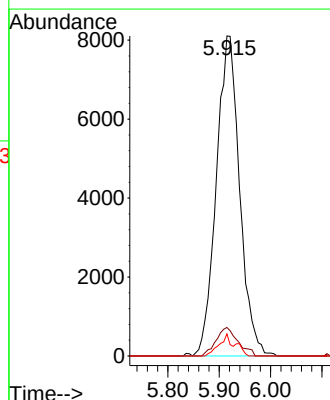
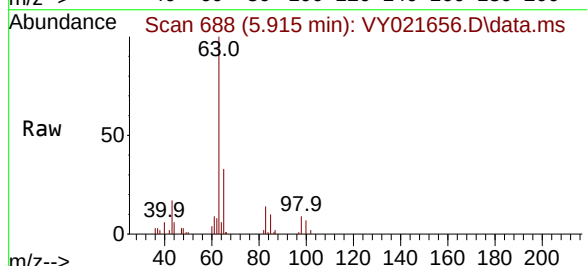
Tgt Ion: 63 Resp: 25578

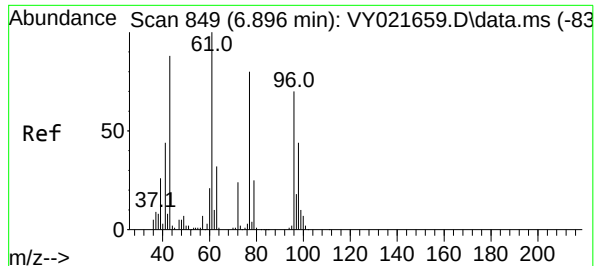
Ion Ratio Lower Upper

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 :

VSTDICC005

Tgt Ion: 43 Resp: 1966

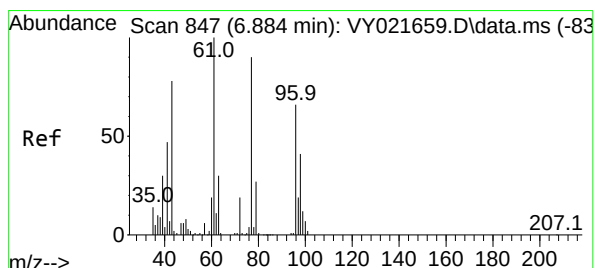
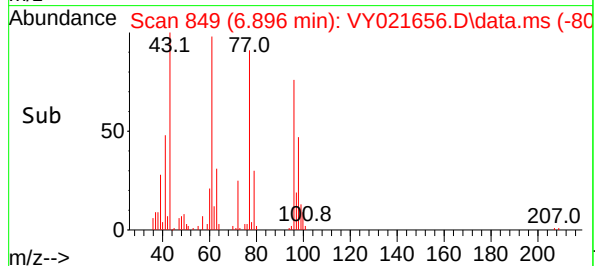
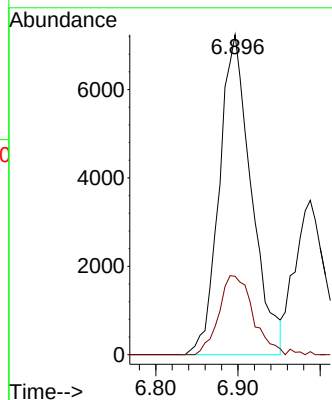
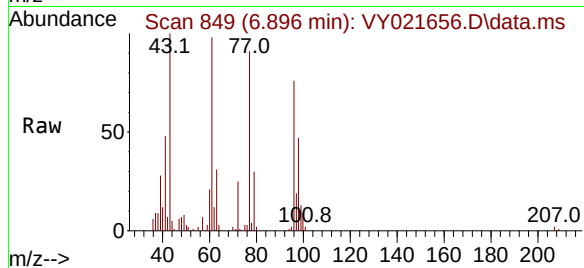
Ion Ratio Lower Upper

43 100

72 24.5 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: 5.695 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021656.D

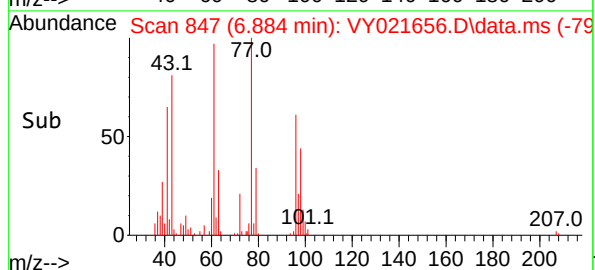
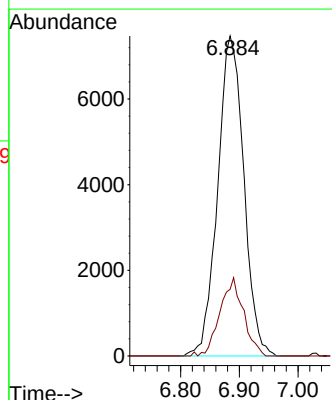
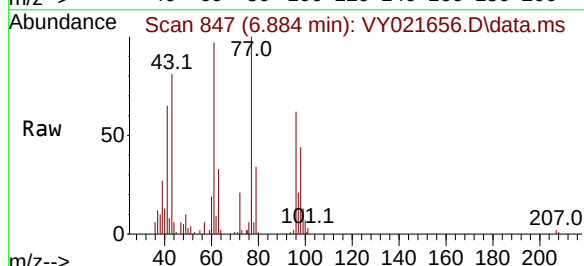
Acq: 27 Mar 2025 10:08

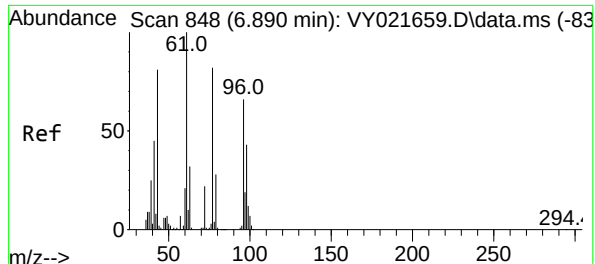
Tgt Ion: 77 Resp: 23073

Ion Ratio Lower Upper

77 100

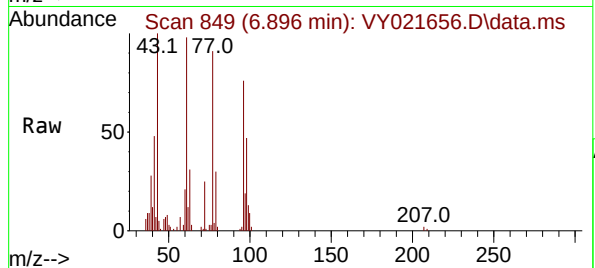
97 21.9 11.1 33.1





#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

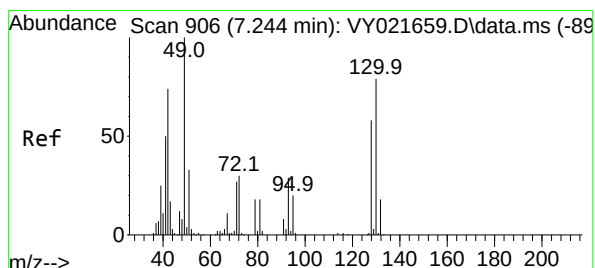
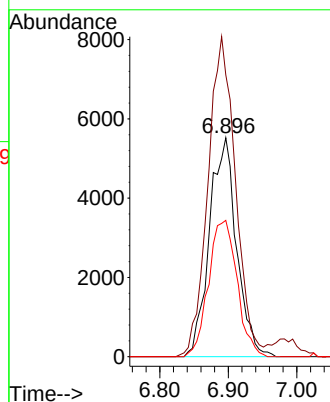
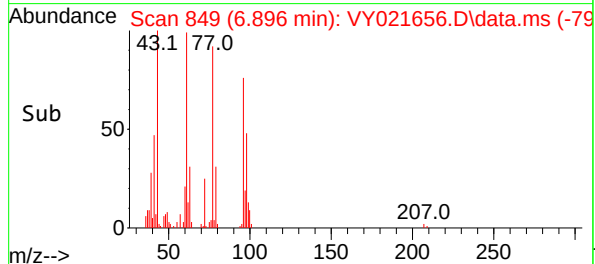
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1519
Ion Ratio Lower Upper
96 100
61 148.4 0.0 296.4
98 65.4 0.0 128.0

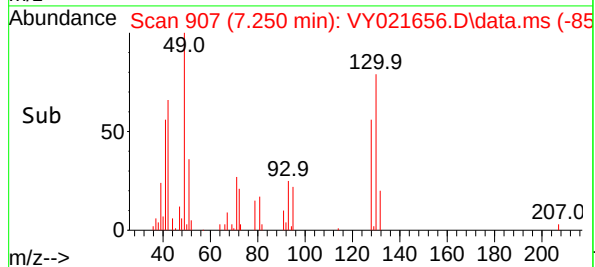
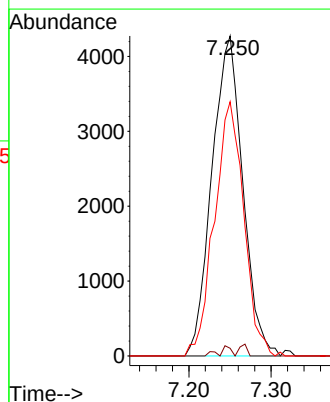
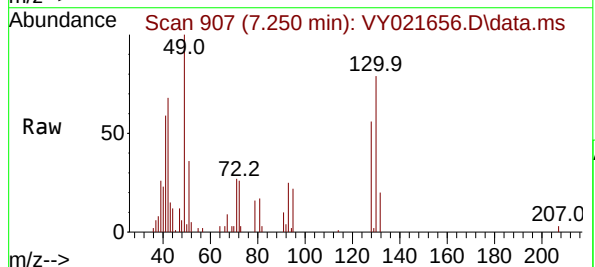
Manual Integrations
APPROVED

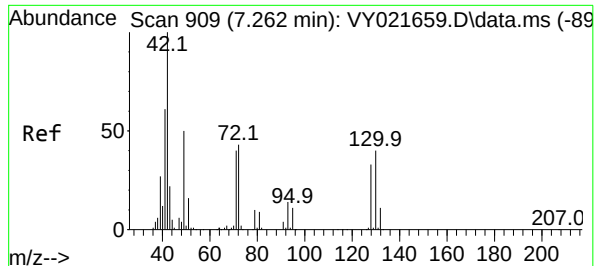
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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: 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 :

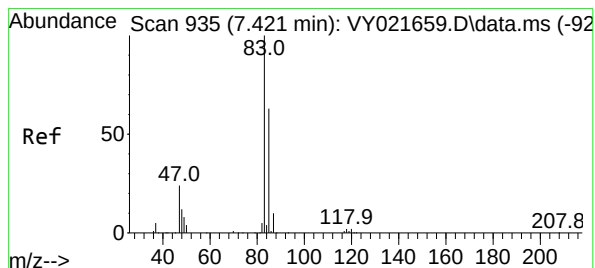
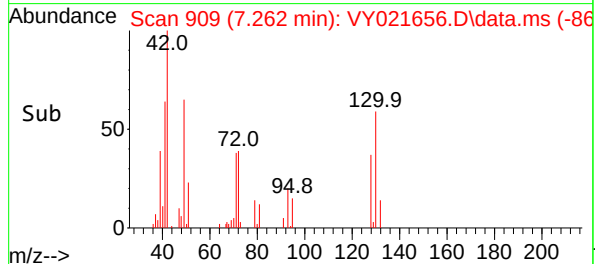
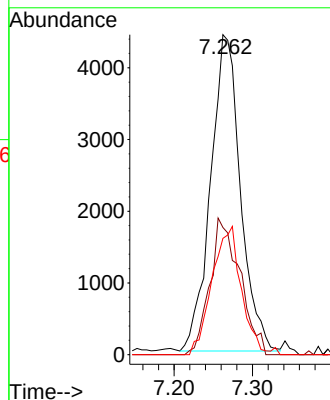
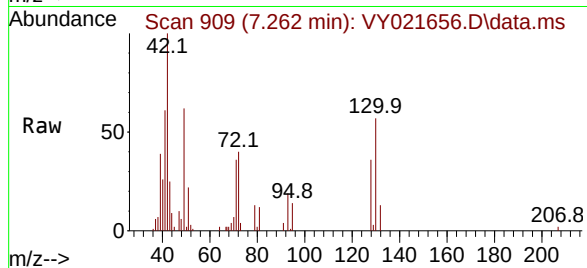
VSTDIC005

Tgt Ion:	42	Resp:	11690
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

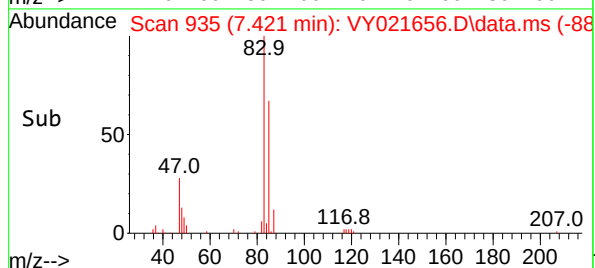
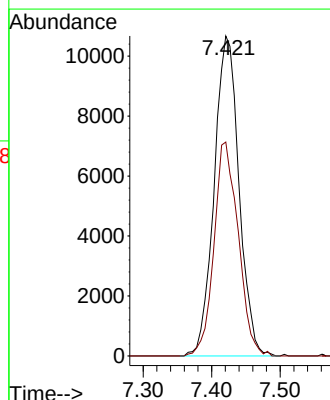
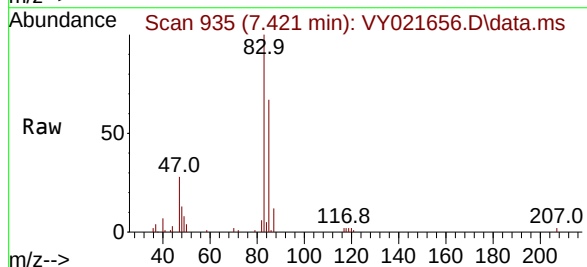
RT: 7.421 min Scan# 935

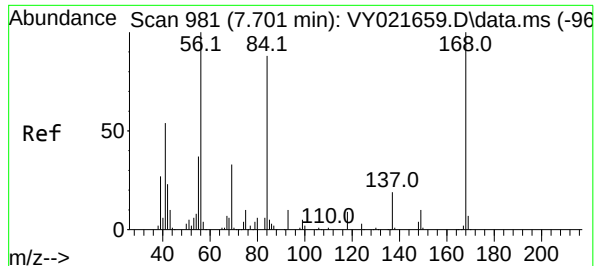
Delta R.T. 0.000 min

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





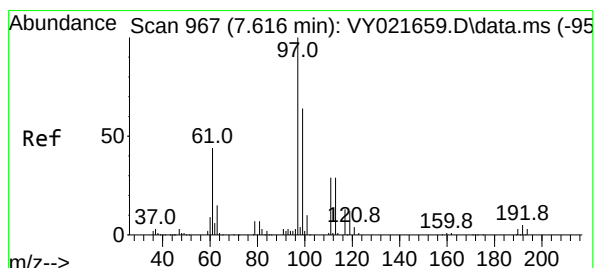
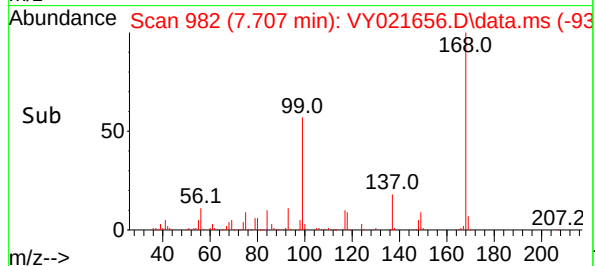
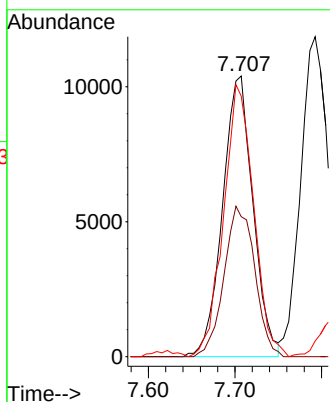
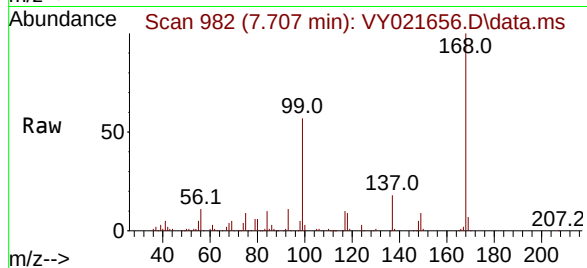
#31
Cyclohexane
Concen: 6.117 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

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

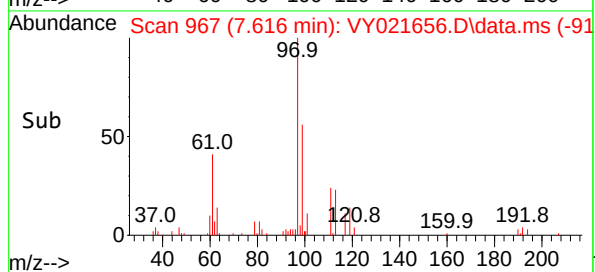
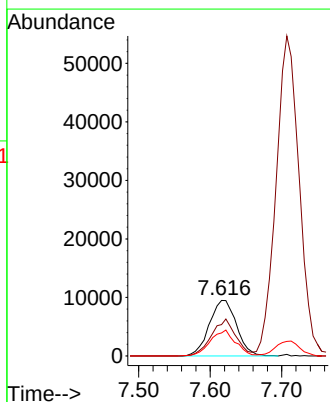
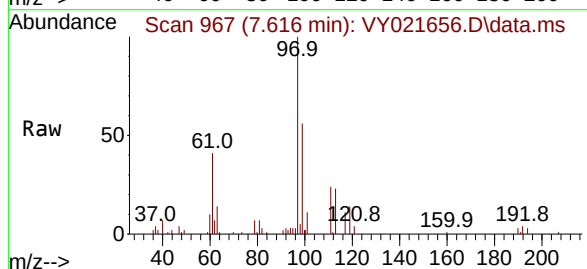
Manual Integrations
APPROVED

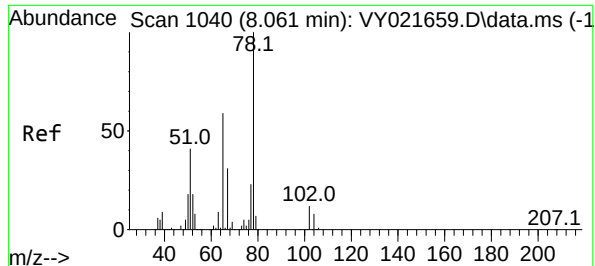
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

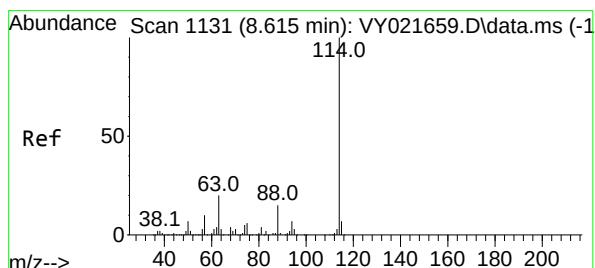
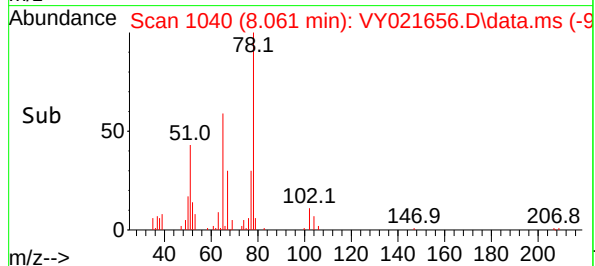
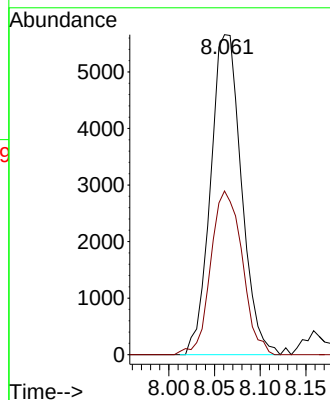
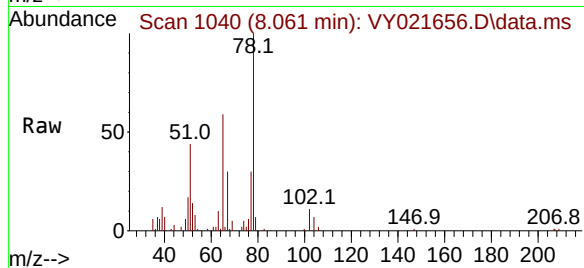
67 52.1 0.0 104.6

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

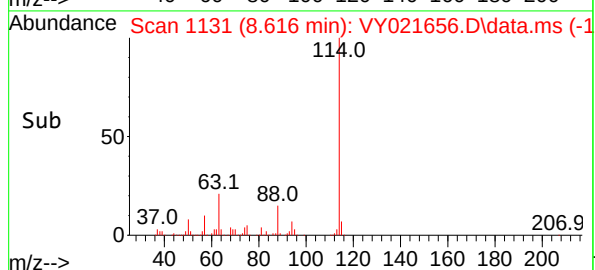
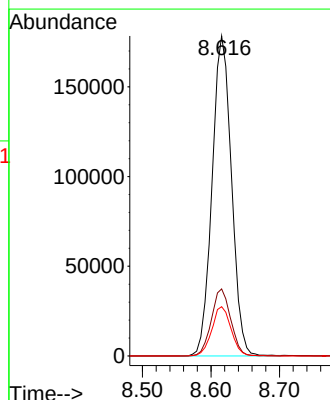
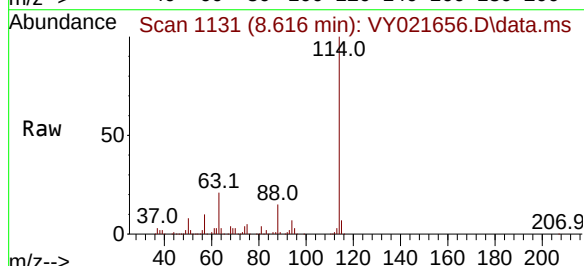
Tgt Ion:114 Resp: 350486

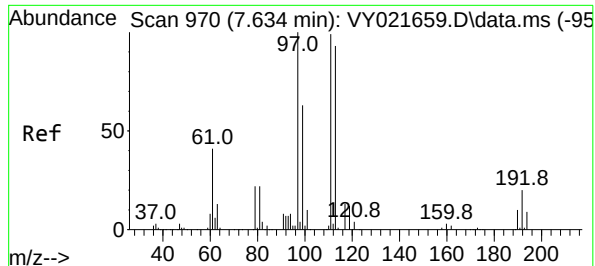
Ion Ratio Lower Upper

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 :

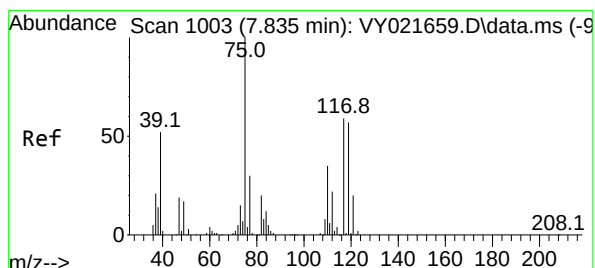
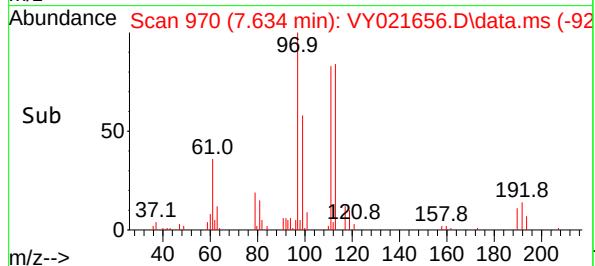
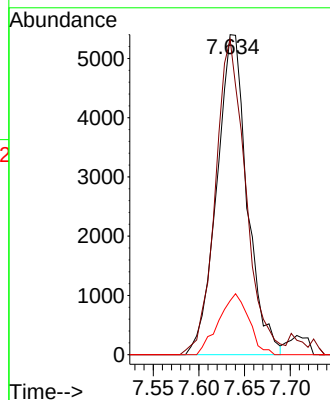
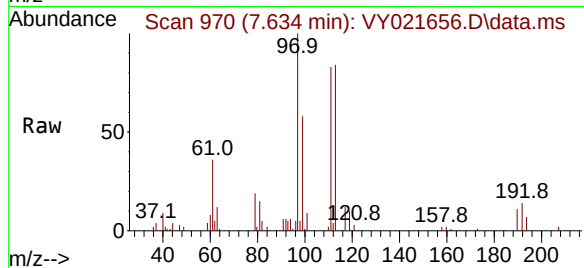
VSTDIC005

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

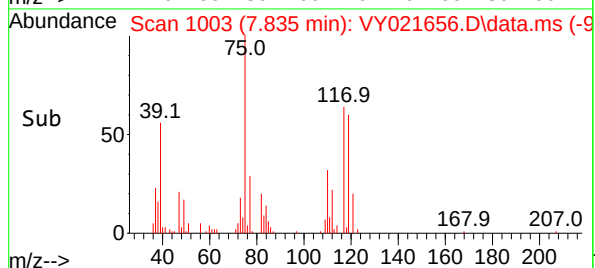
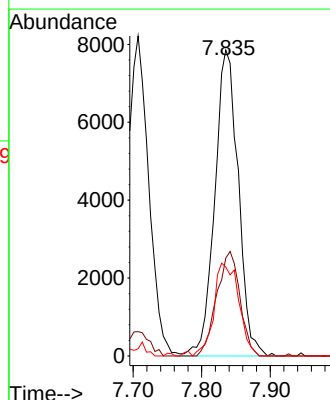
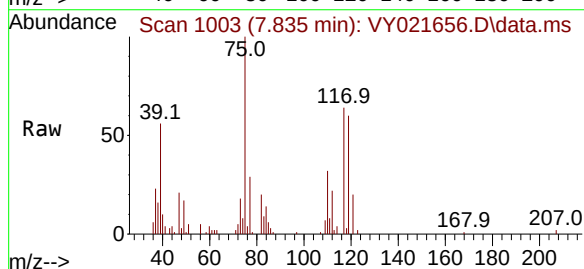
RT: 7.835 min Scan# 1003

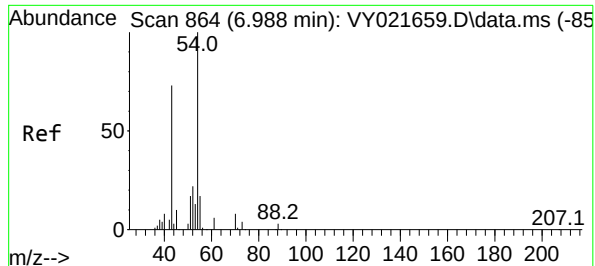
Delta R.T. 0.000 min

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 :

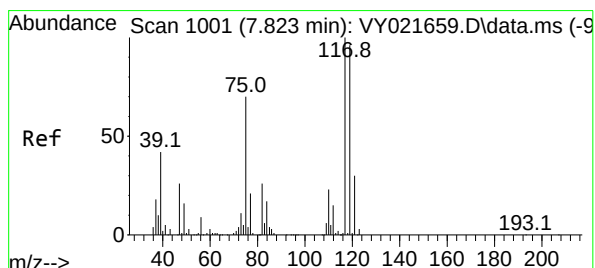
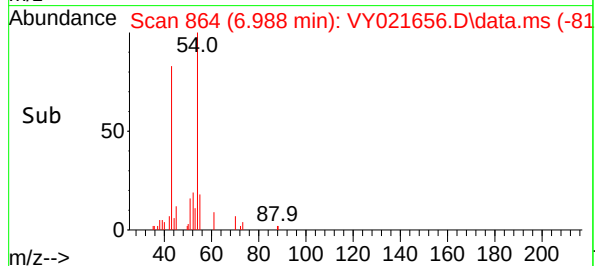
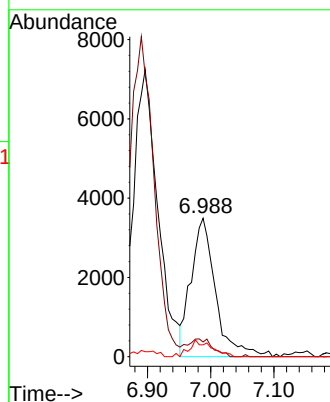
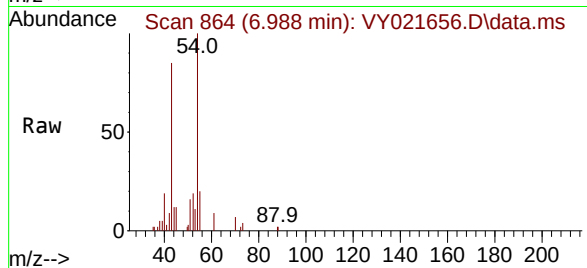
VSTDICC005

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

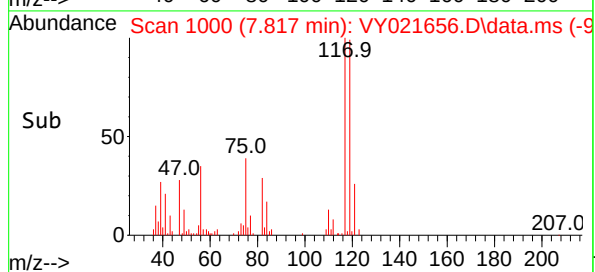
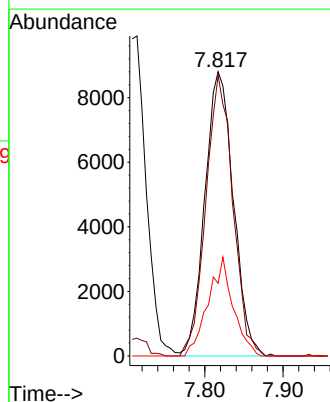
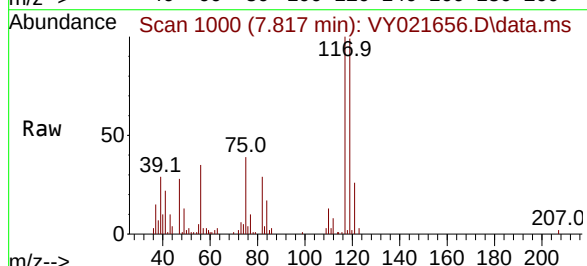
RT: 7.817 min Scan# 1000

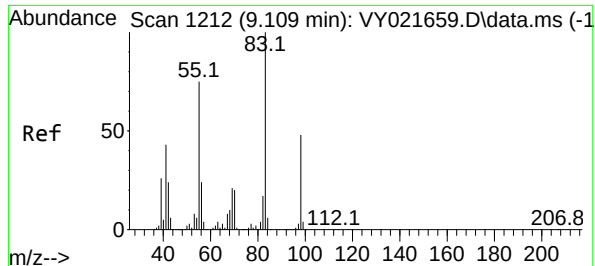
Delta R.T. -0.006 min

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

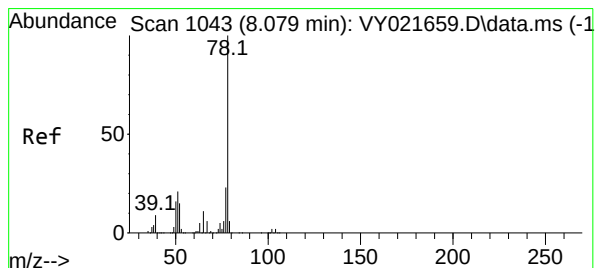
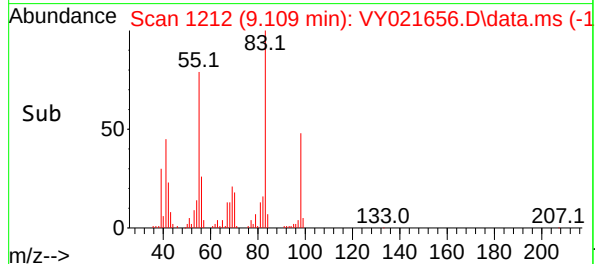
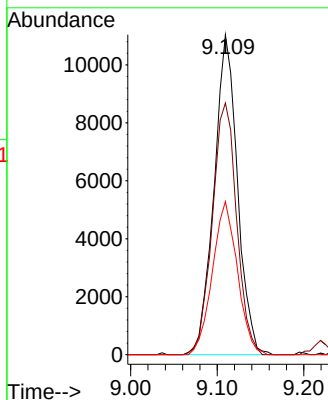
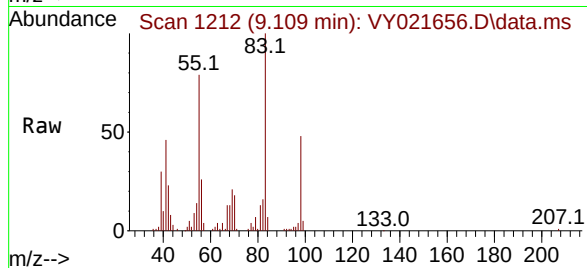
83 100

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

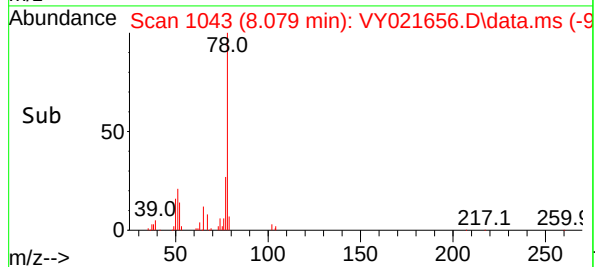
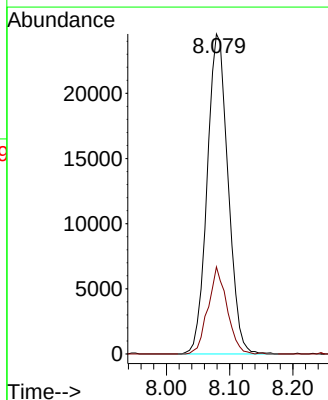
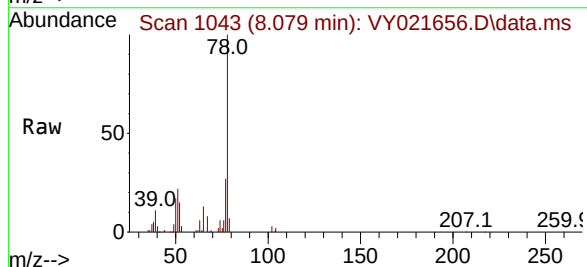
Acq: 27 Mar 2025 10:08

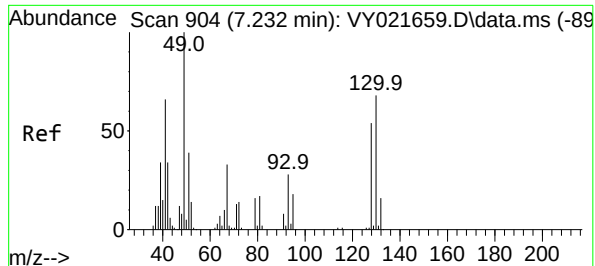
Tgt Ion: 78 Resp: 56287

Ion Ratio Lower Upper

78 100

77 27.2 18.8 28.2





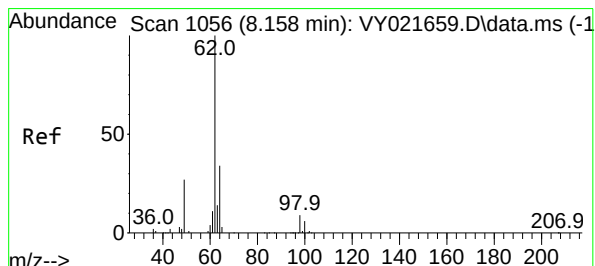
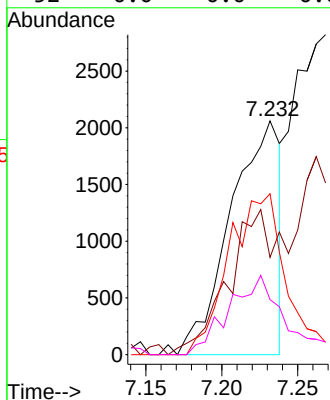
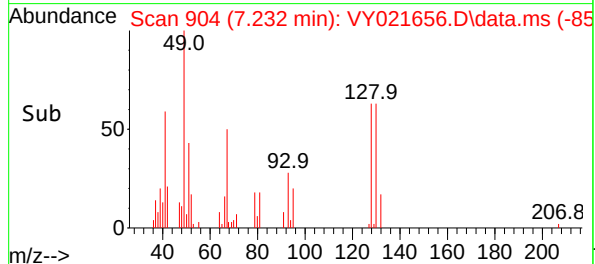
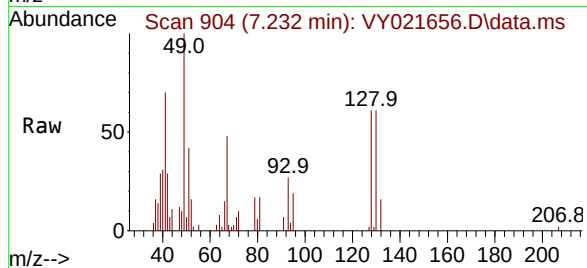
#41
Methacrylonitrile
Concen: 5.402 ug/l m
RT: 7.232 min Scan# 904
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

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

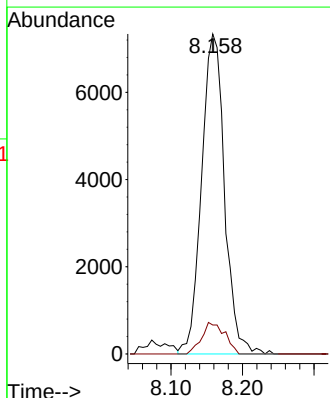
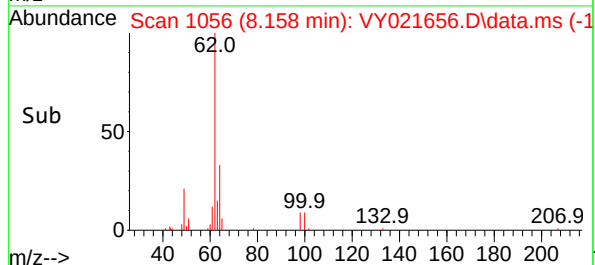
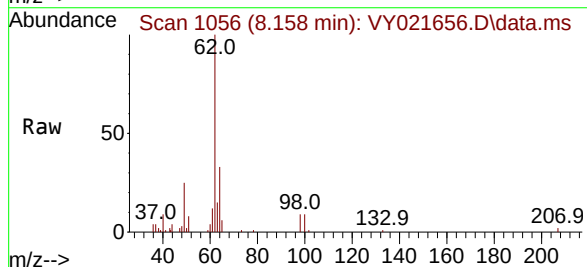
Manual Integrations
APPROVED

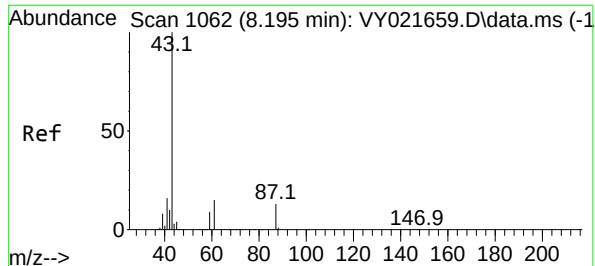
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

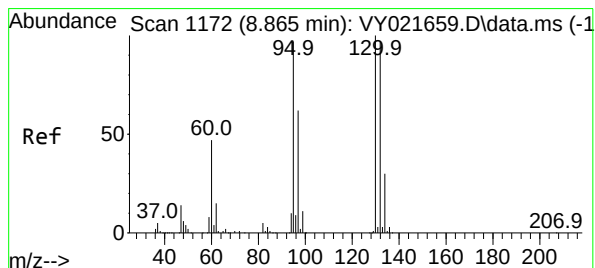
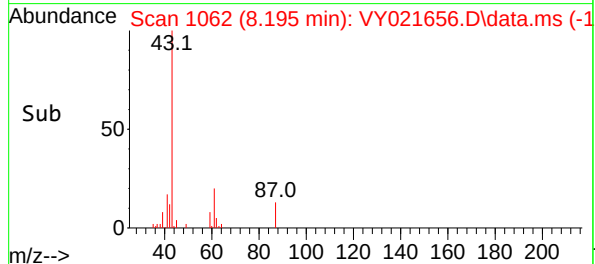
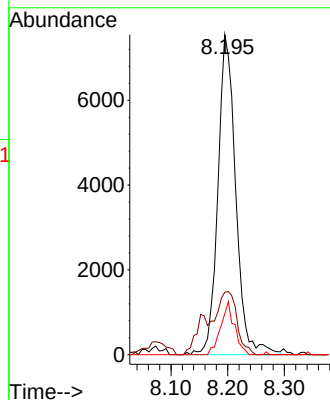
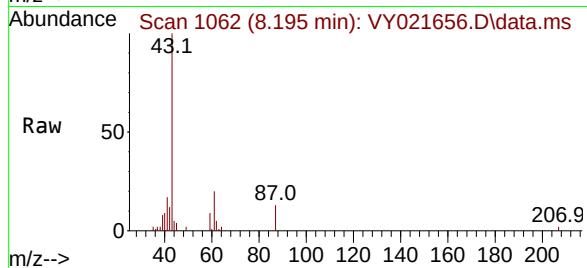
VSTDIC005

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

APPROVED

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



#44

Trichloroethene

Concen: 5.470 ug/l

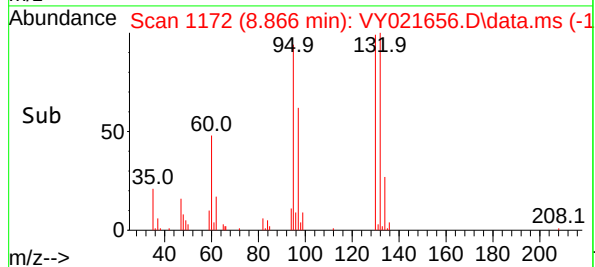
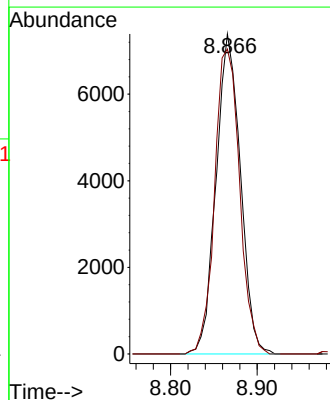
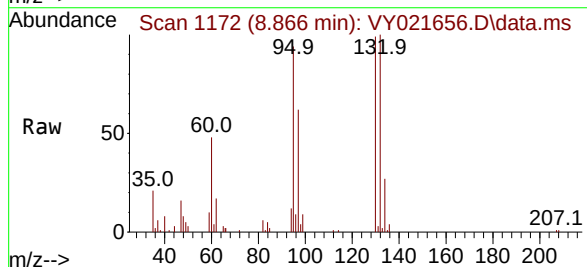
RT: 8.866 min Scan# 1172

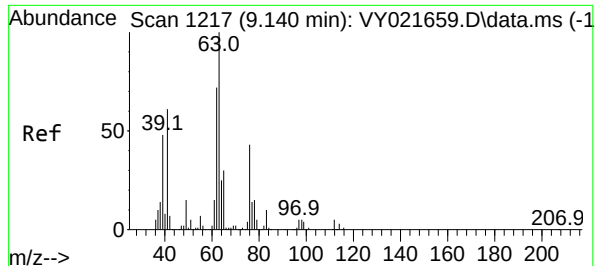
Delta R.T. 0.000 min

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

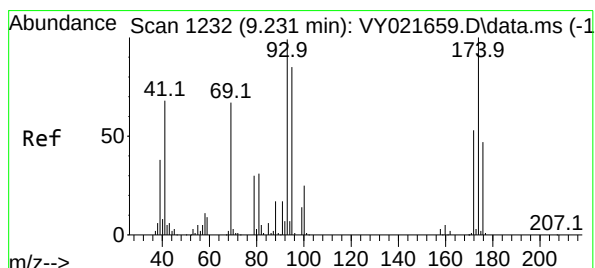
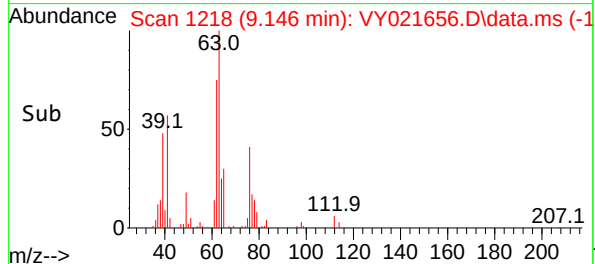
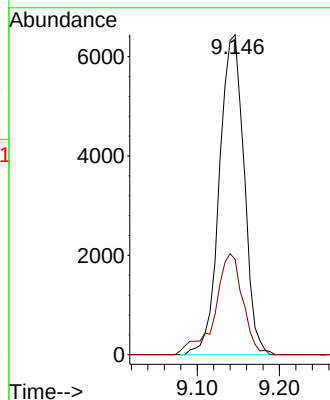
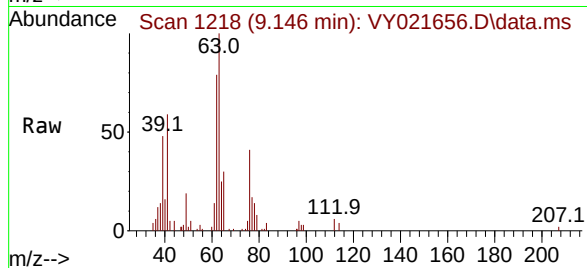
65 29.8 24.4 36.6

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

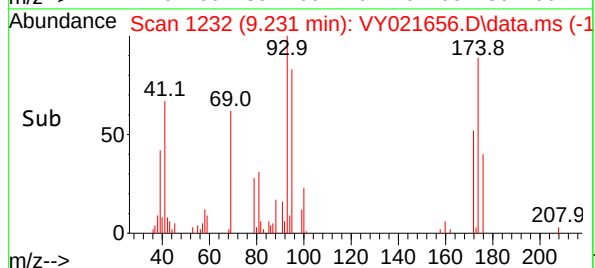
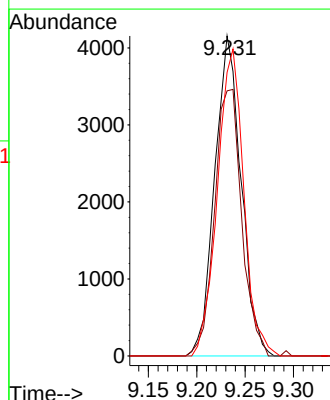
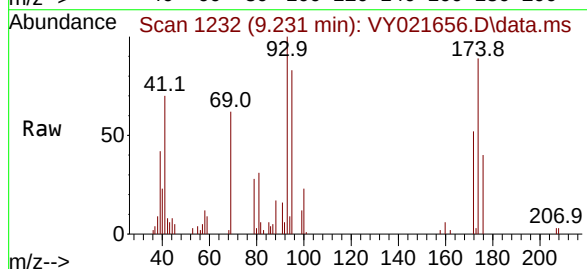
Tgt Ion: 93 Resp: 7882

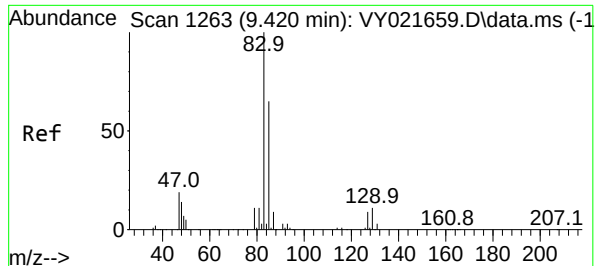
Ion Ratio Lower Upper

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 :

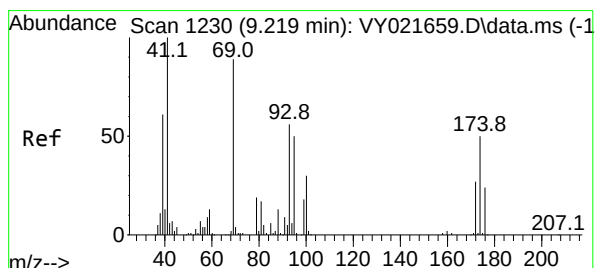
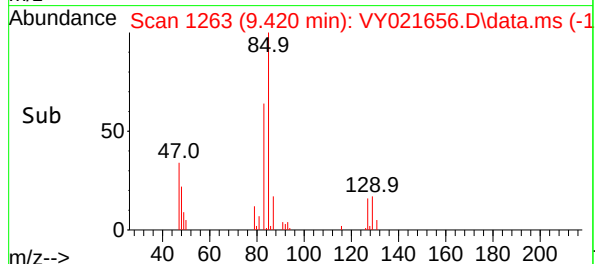
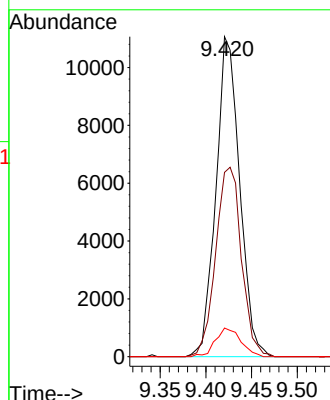
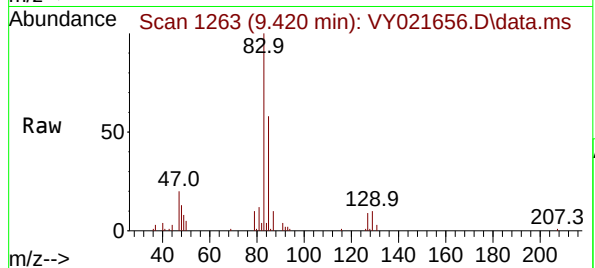
VSTDIC005

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

APPROVED

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



#48

Methyl methacrylate

Concen: 5.225 ug/l

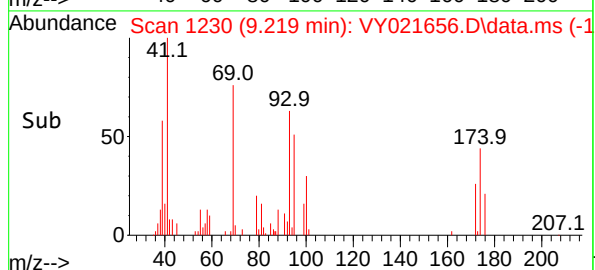
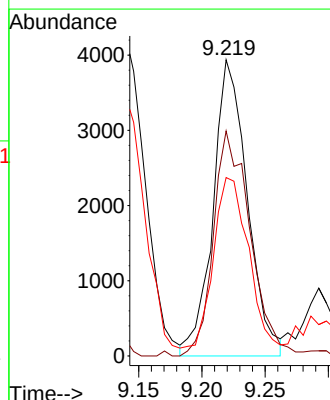
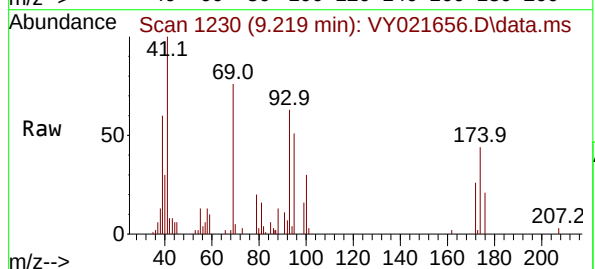
RT: 9.219 min Scan# 1230

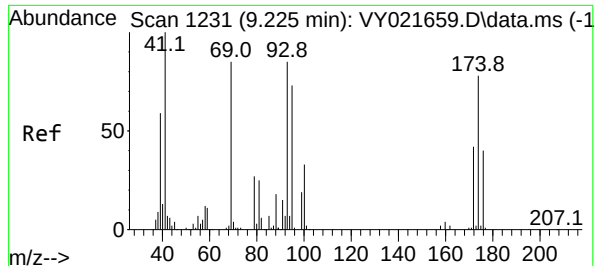
Delta R.T. 0.000 min

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 :

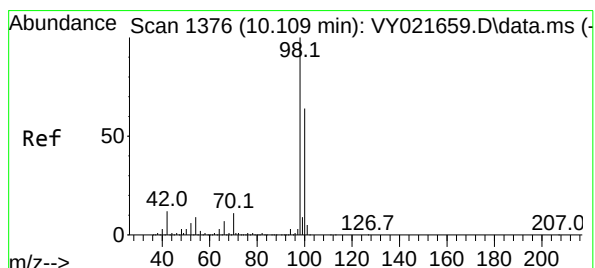
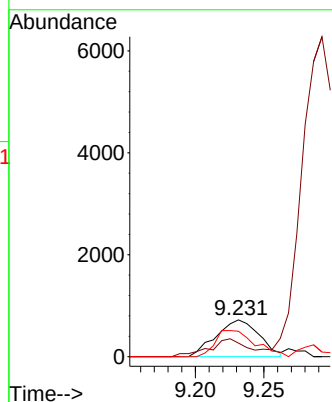
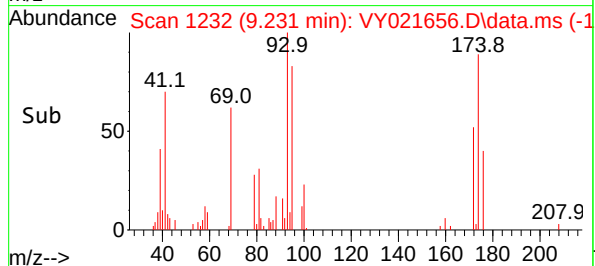
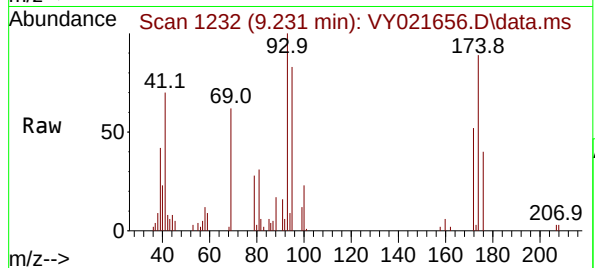
VSTDIC005

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

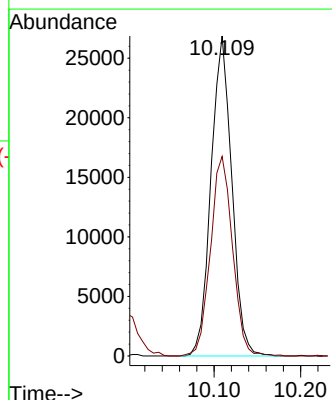
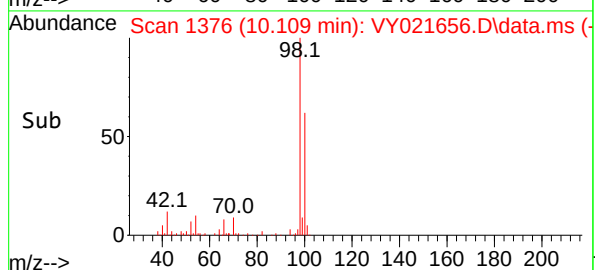
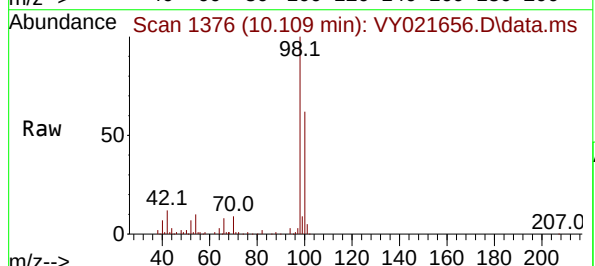
RT: 10.109 min Scan# 1376

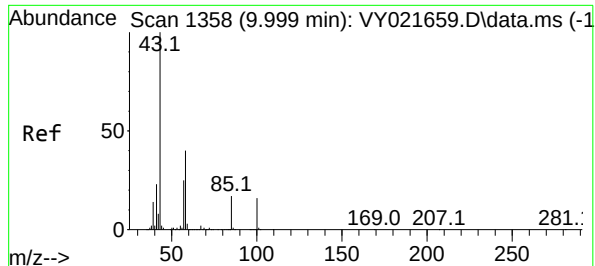
Delta R.T. 0.000 min

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





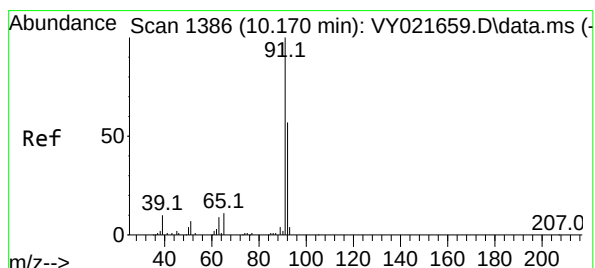
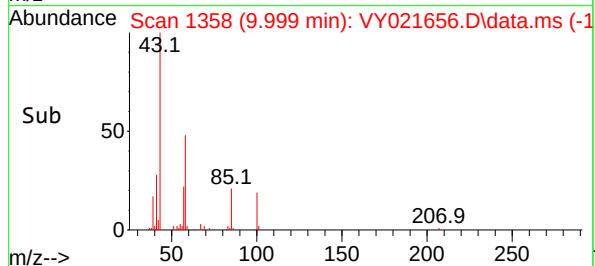
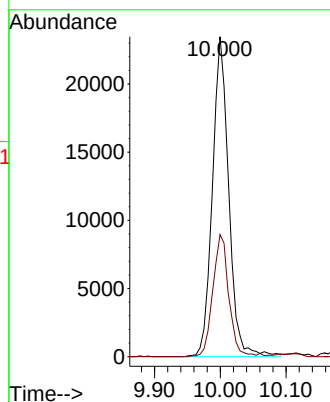
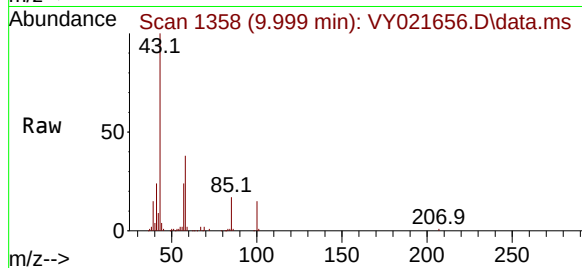
#51
4-Methyl-2-Pentanone
Concen: 25.191 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 4060
Ion Ratio Lower Upper
43 100
58 37.6 31.5 47.3

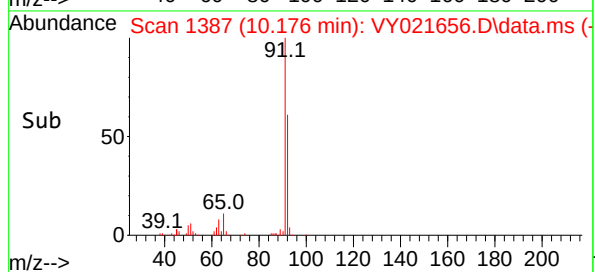
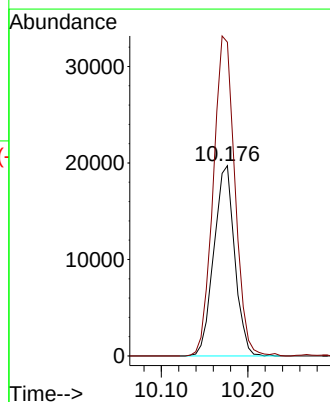
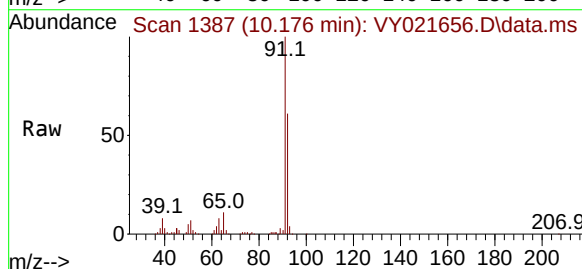
Manual Integrations
APPROVED

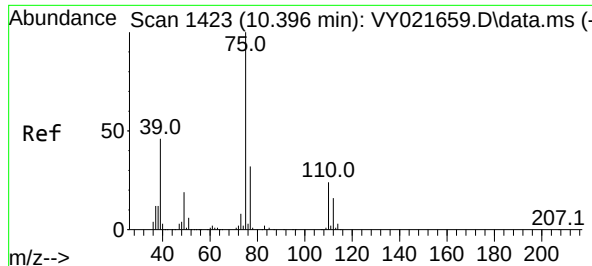
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





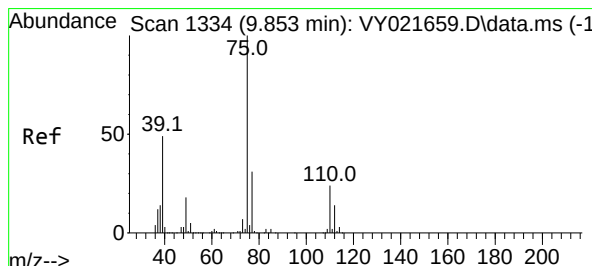
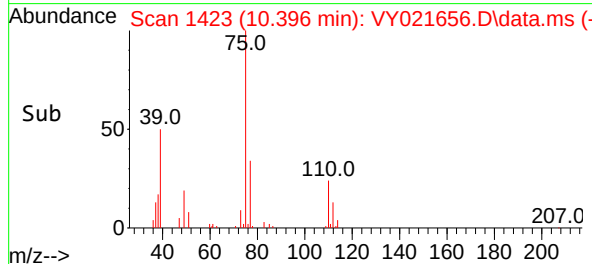
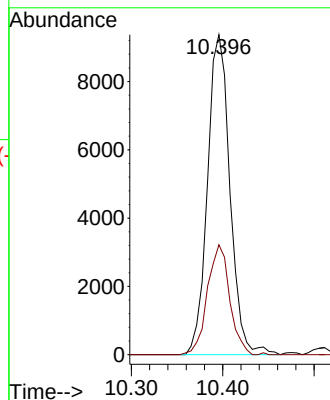
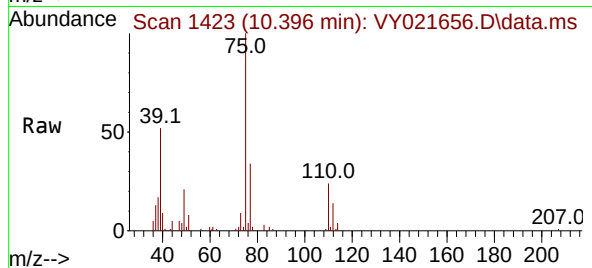
#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

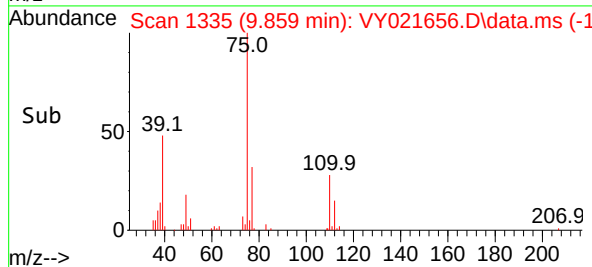
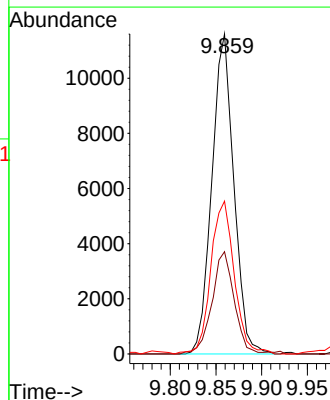
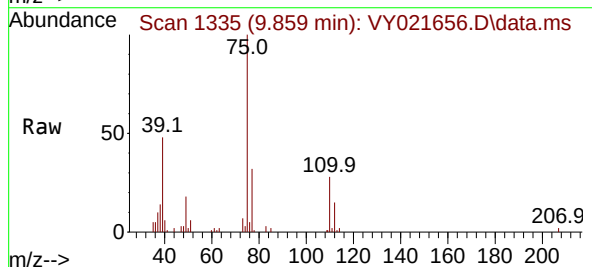
Manual Integrations
APPROVED

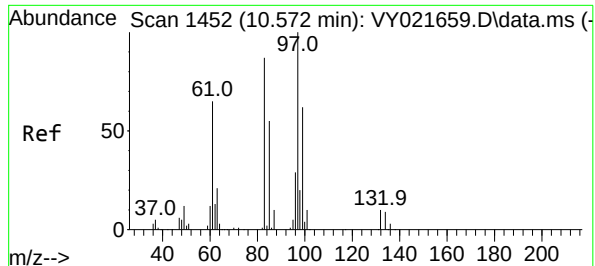
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

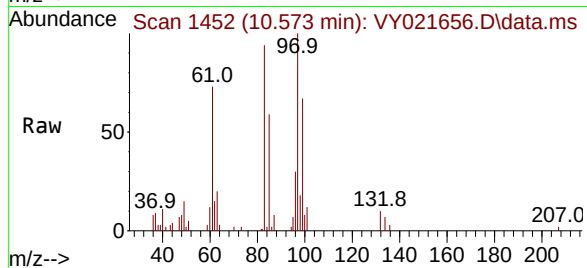
Tgt Ion: 75 Resp: 19395
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 47.7 39.2 58.8





#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

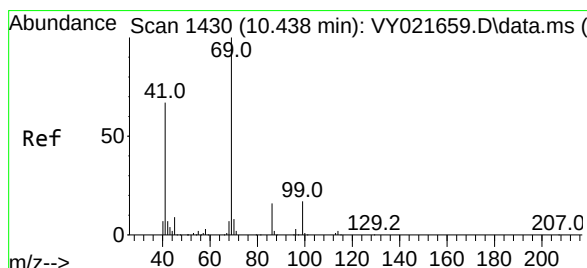
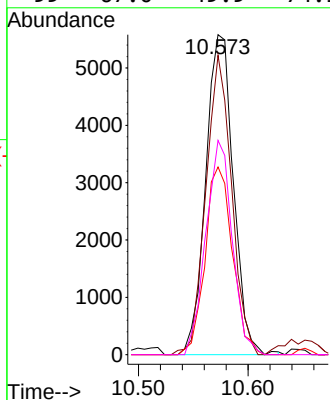
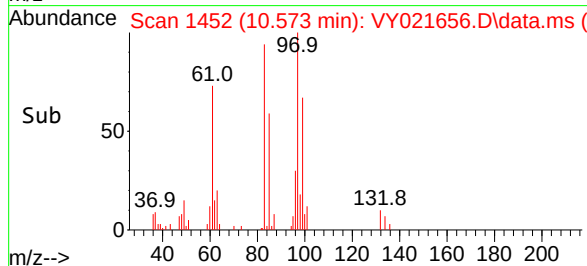
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

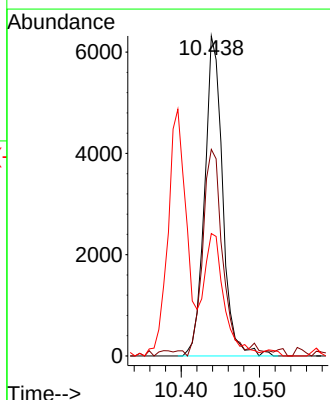
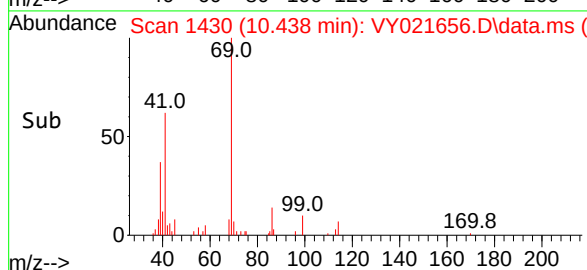
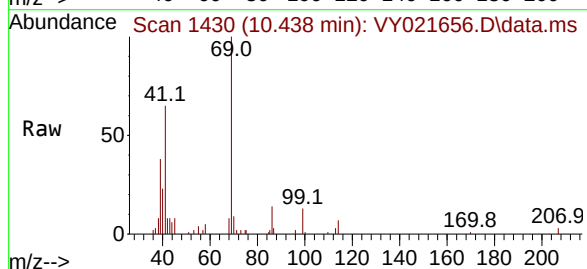
Manual Integrations
APPROVED

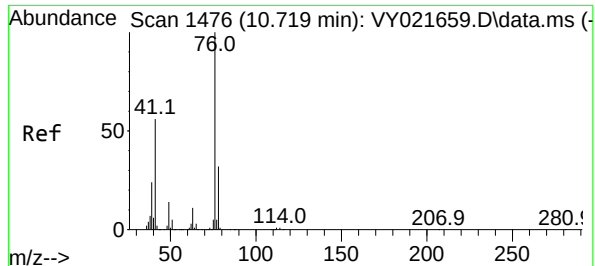
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

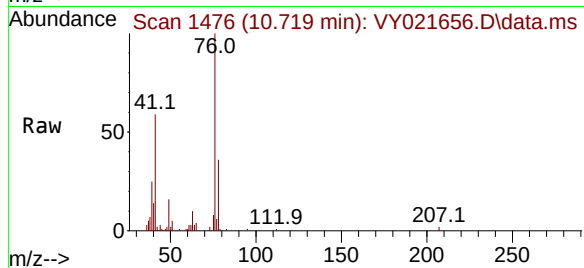
Tgt Ion:	69	Resp:	10060
Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	42.5	29.6	44.4





#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

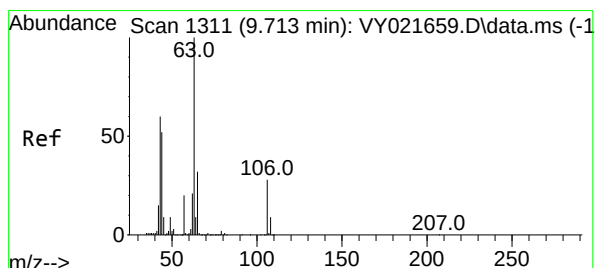
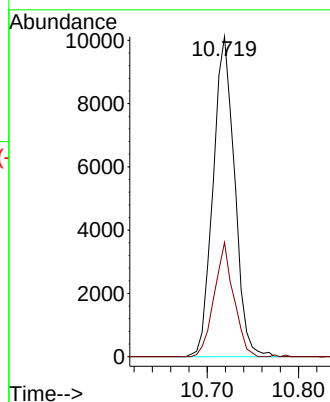
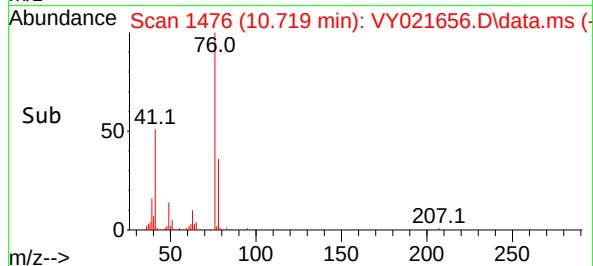
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 16534
Ion Ratio Lower Upper
76 100
78 32.4 25.8 38.8

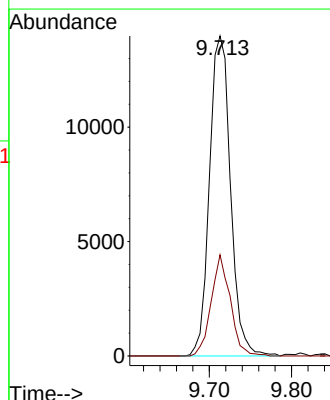
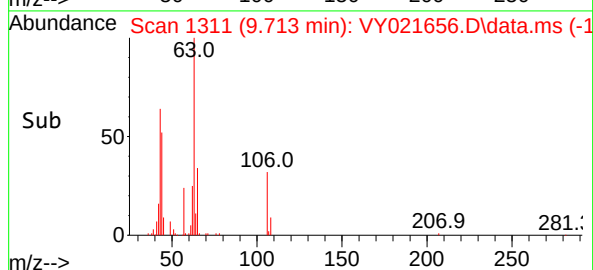
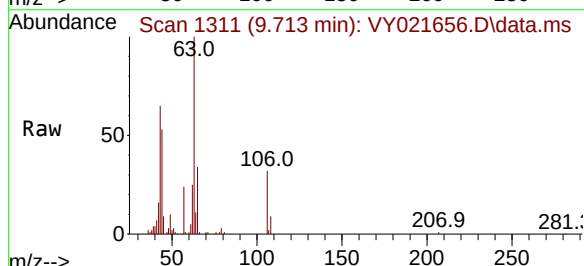
Manual Integrations
APPROVED

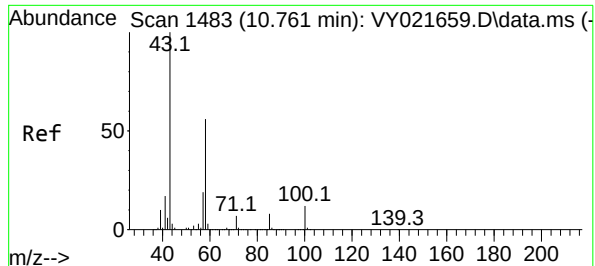
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDICC005

Tgt Ion: 43 Resp: 2699

Ion Ratio Lower Upper

43 100

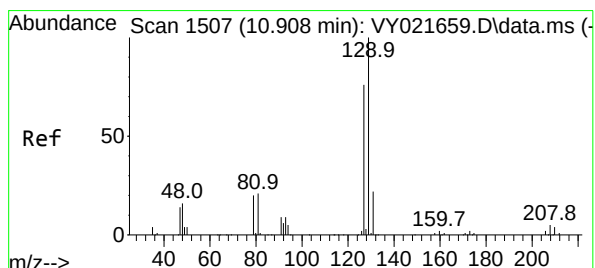
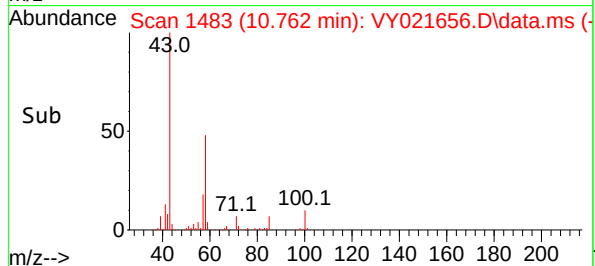
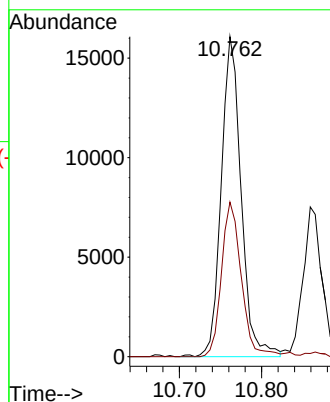
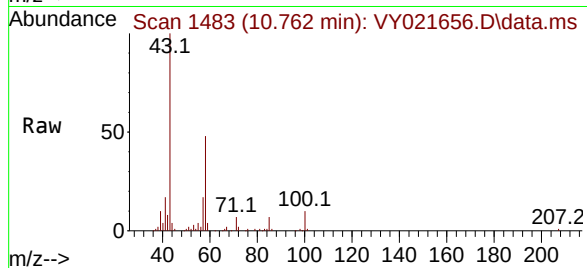
58 48.9 27.2 81.5

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

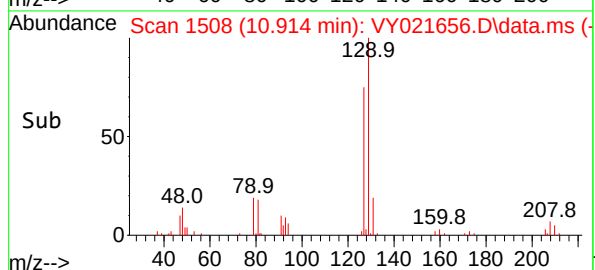
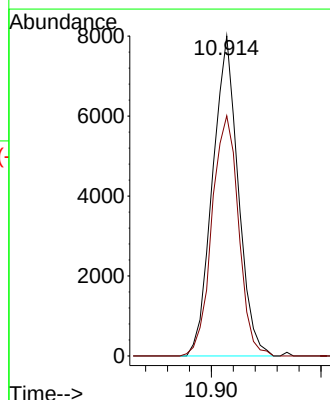
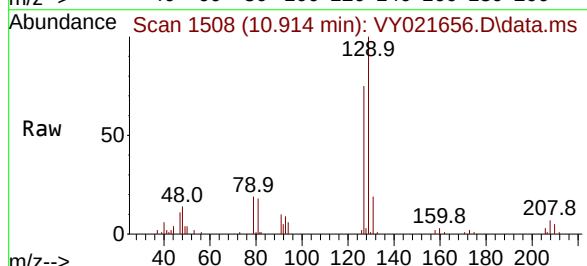
Acq: 27 Mar 2025 10:08

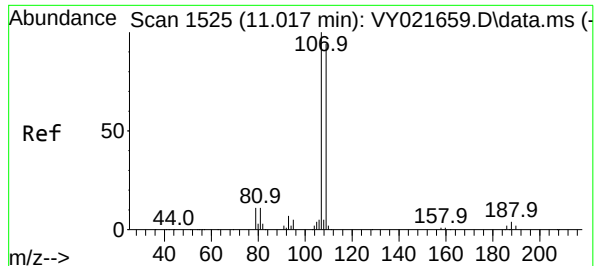
Tgt Ion:129 Resp: 13002

Ion Ratio Lower Upper

129 100

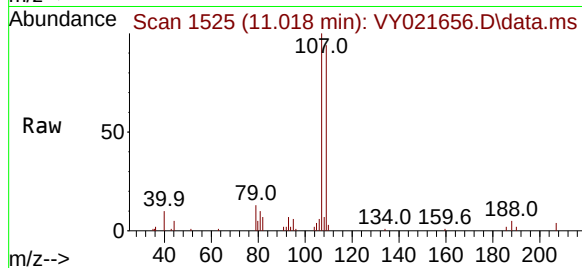
127 77.8 38.6 115.7





#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

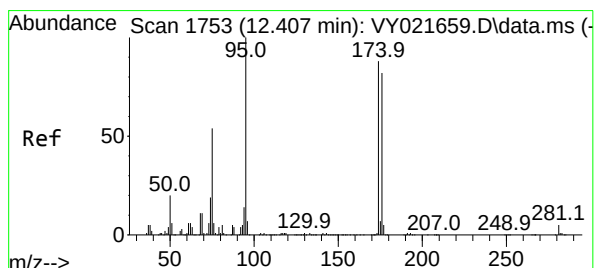
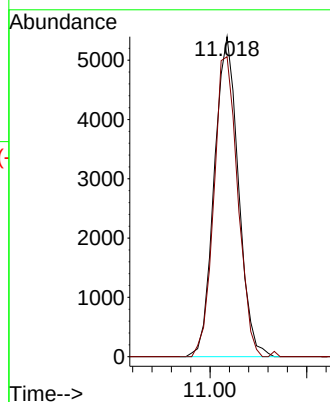
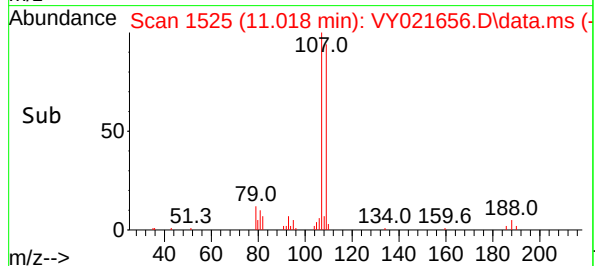
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

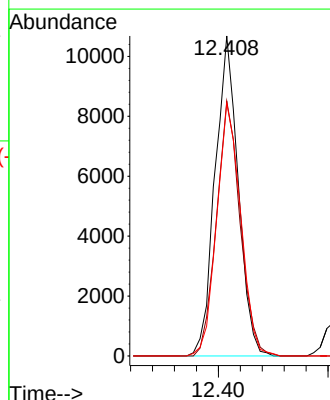
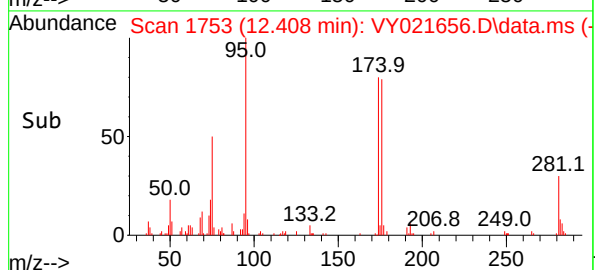
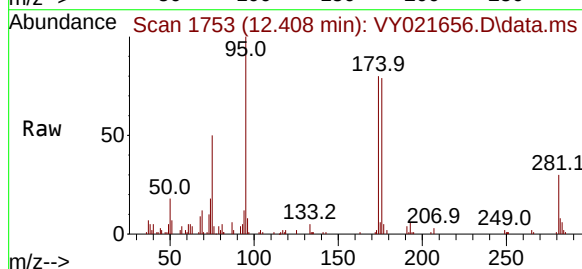
Manual Integrations
APPROVED

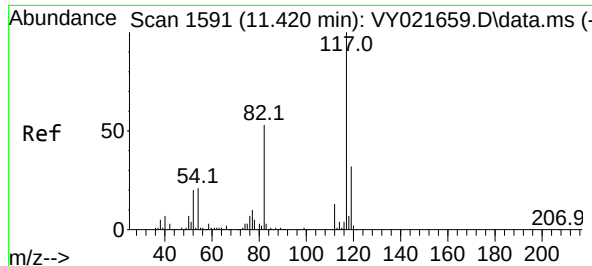
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC005

Tgt Ion:117 Resp: 30138

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

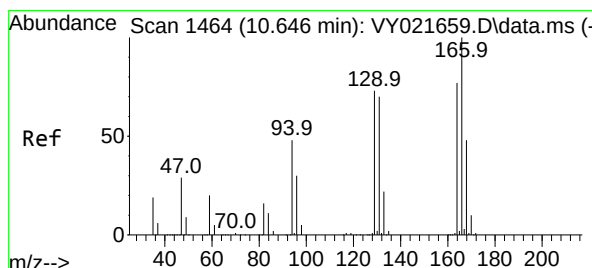
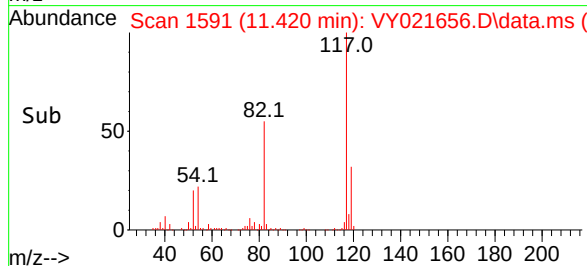
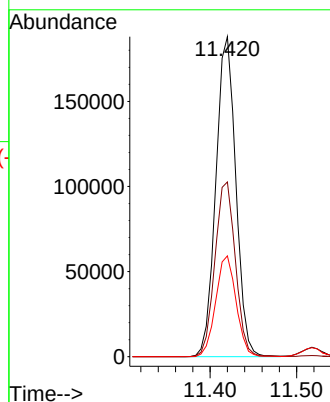
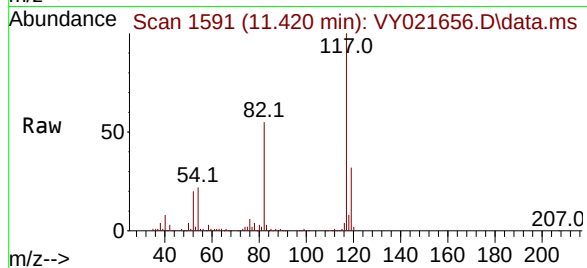
119 31.5 25.7 38.5

Manual Integrations

APPROVED

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

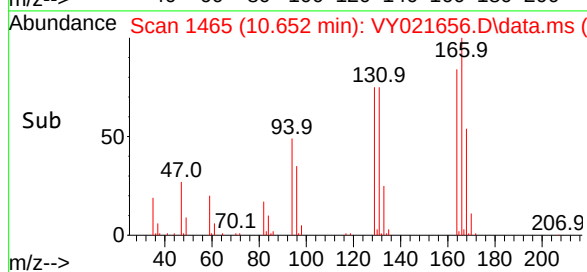
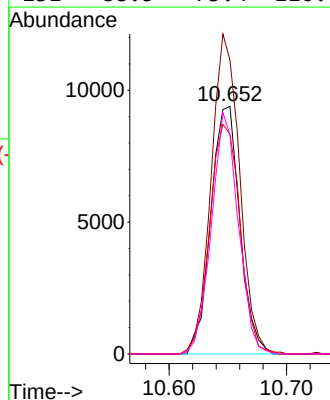
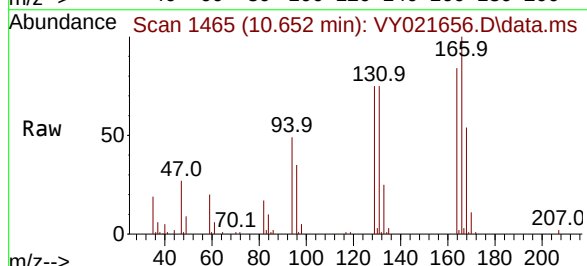
Ion Ratio Lower Upper

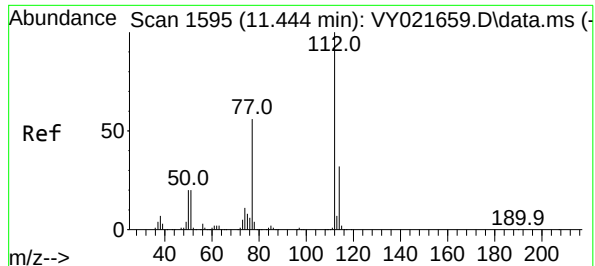
164 100

166 118.7 104.6 156.8

129 88.8 76.6 114.8

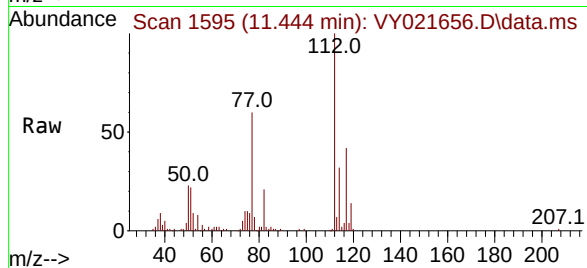
131 88.5 73.4 110.0





#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

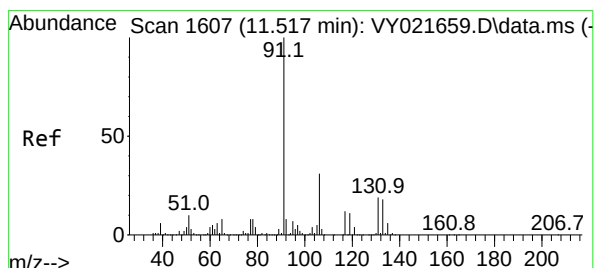
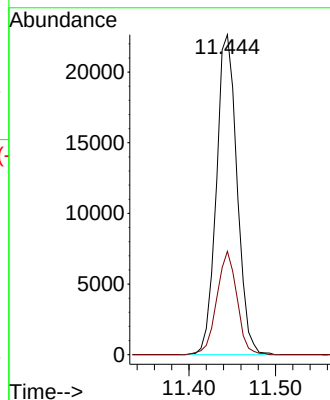
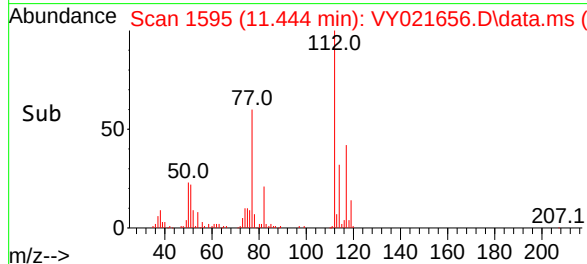
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



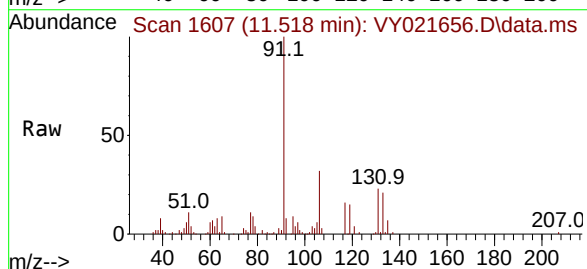
Tgt Ion:112 Resp: 3750
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

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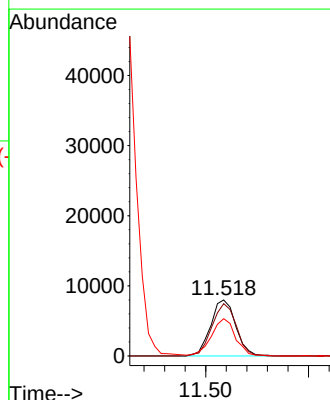
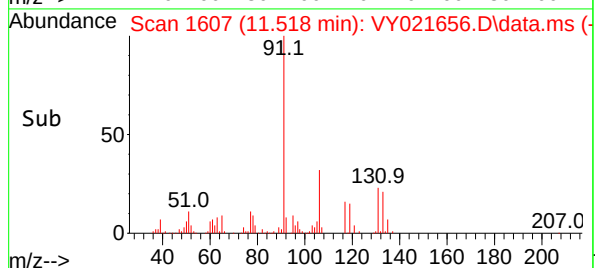
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

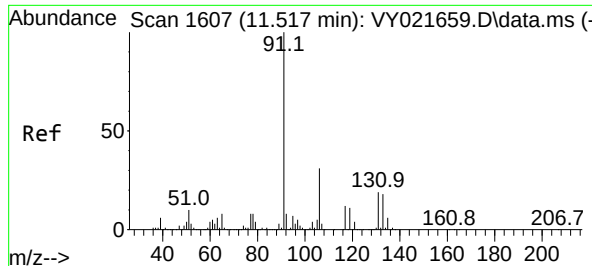


#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



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

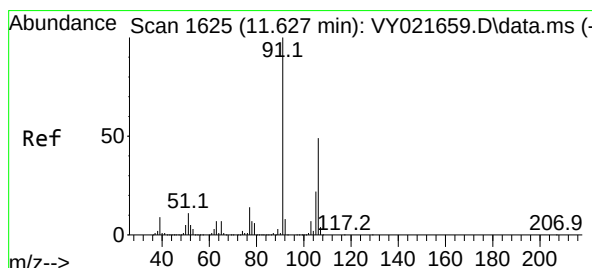
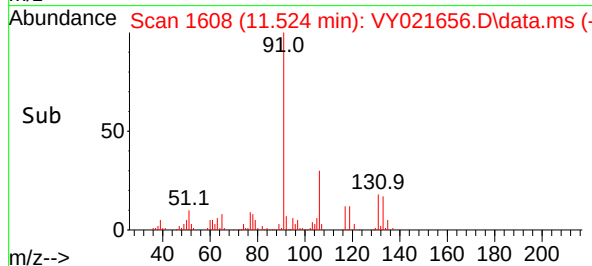
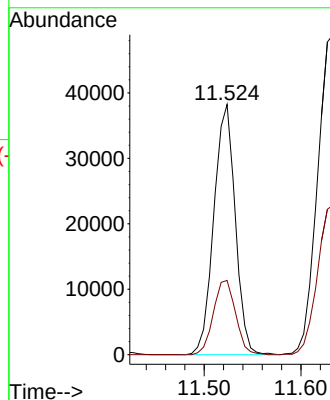
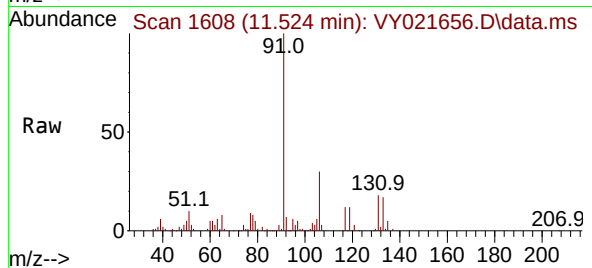
106 29.7 24.6 36.8

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

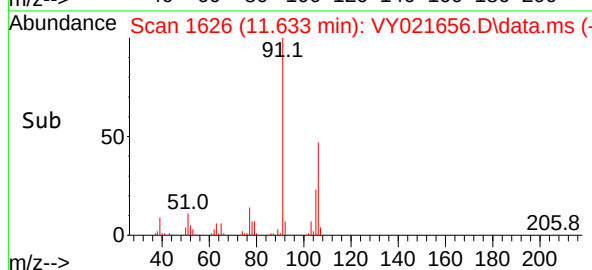
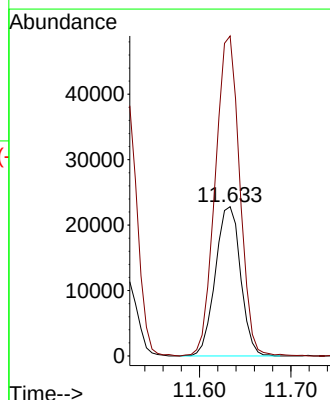
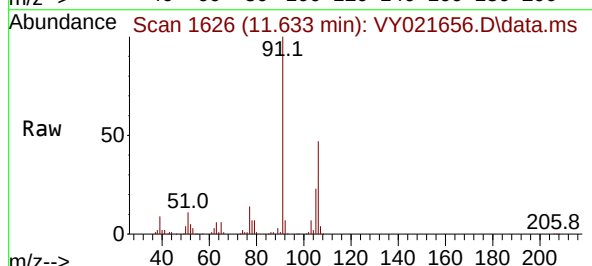
Acq: 27 Mar 2025 10:08

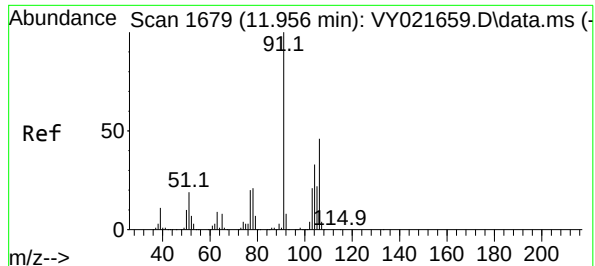
Tgt Ion:106 Resp: 43785

Ion Ratio Lower Upper

106 100

91 208.3 162.4 243.6





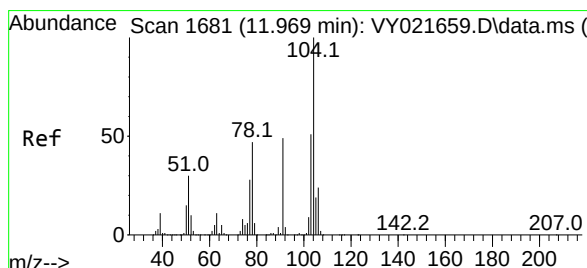
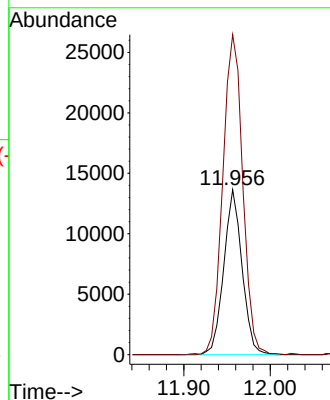
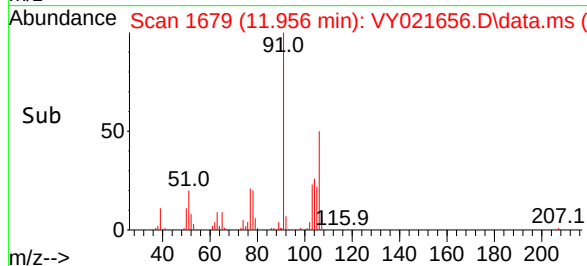
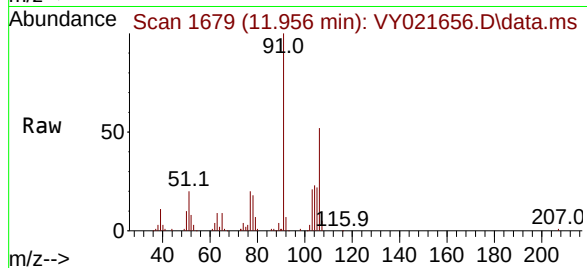
#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

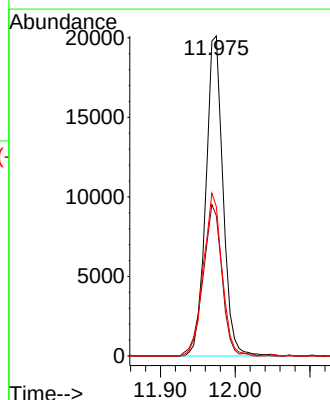
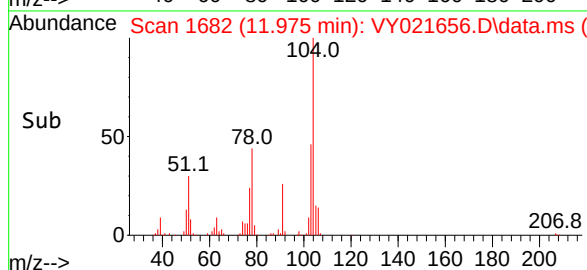
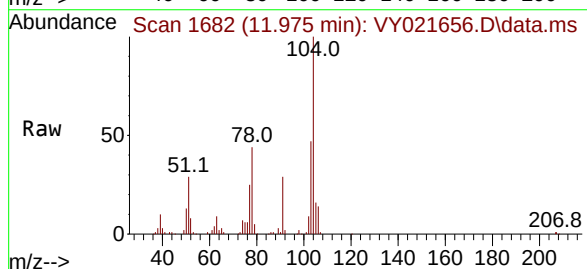
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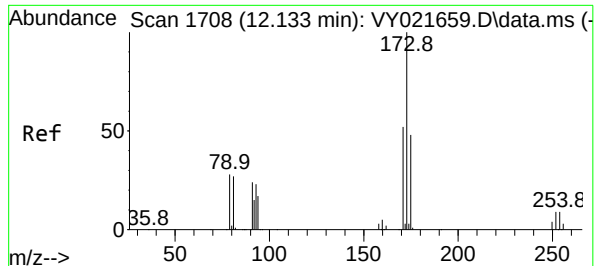
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

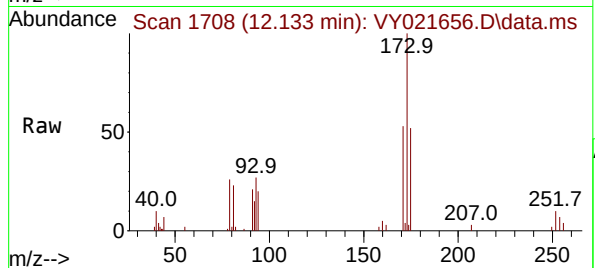
Tgt Ion:104 Resp: 32075
Ion Ratio Lower Upper
104 100
78 52.0 40.8 61.2
103 54.8 44.2 66.2





#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

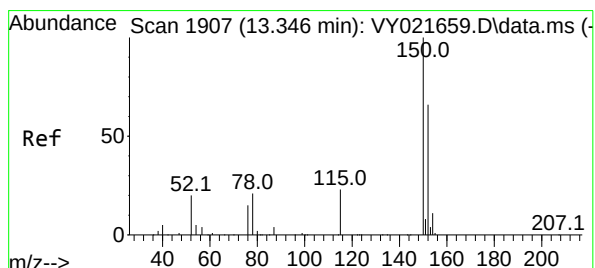
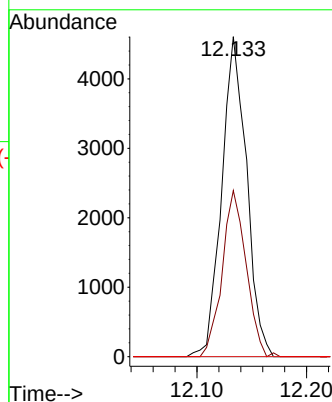
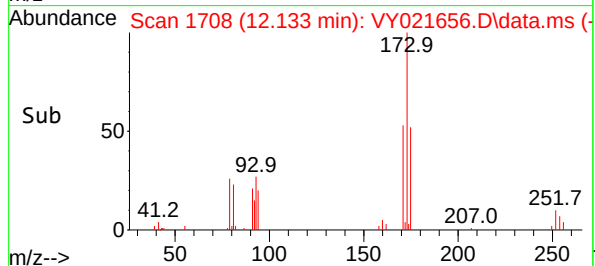
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



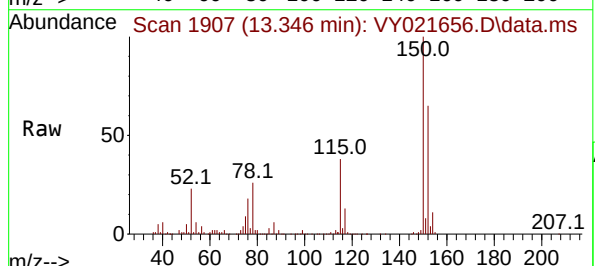
Tgt Ion:173 Resp: 725
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 0.0 0.1 0.1

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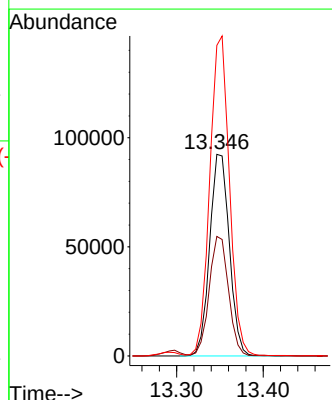
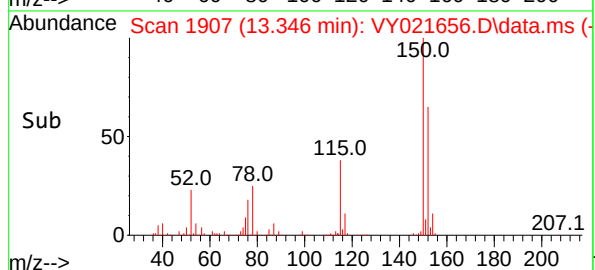
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

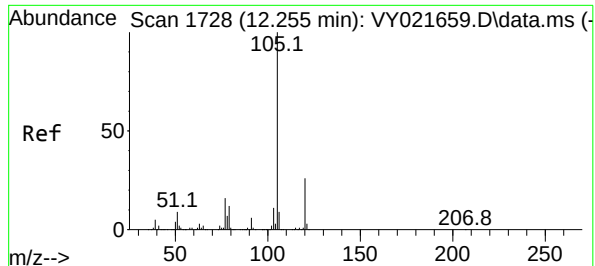


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



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





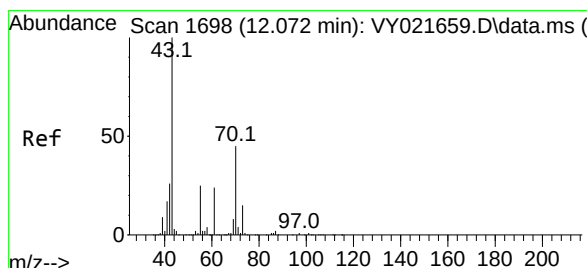
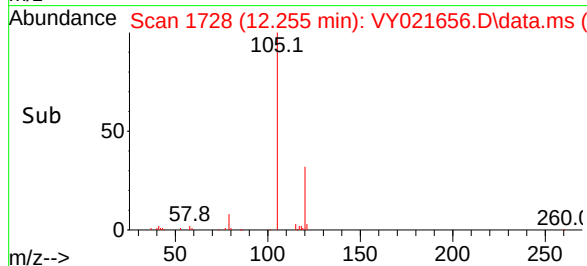
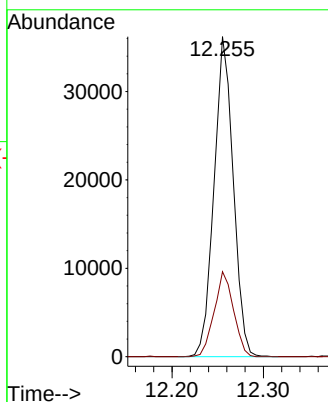
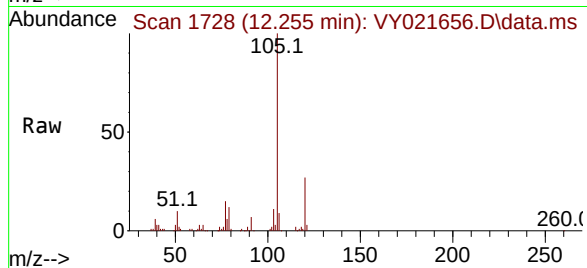
#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

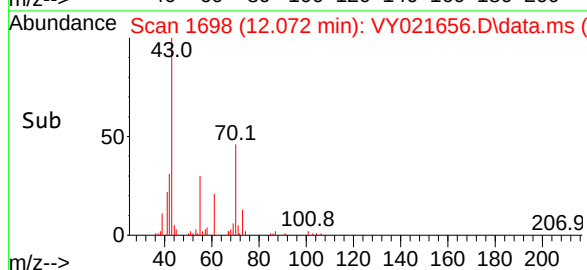
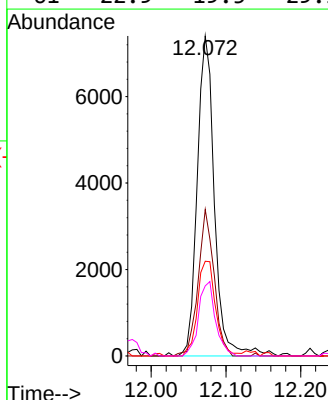
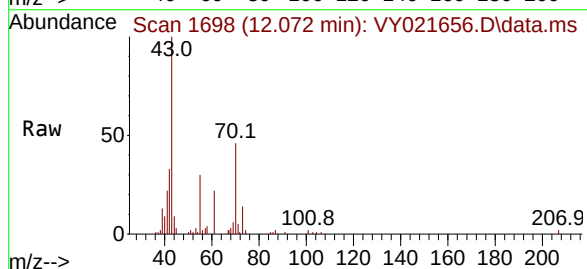
Manual Integrations
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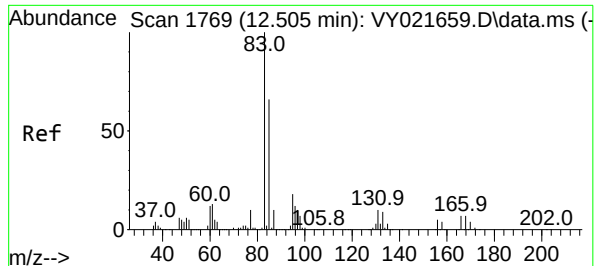
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 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





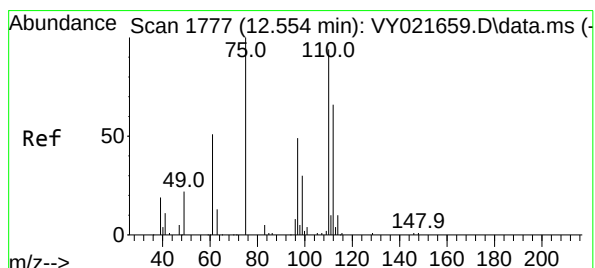
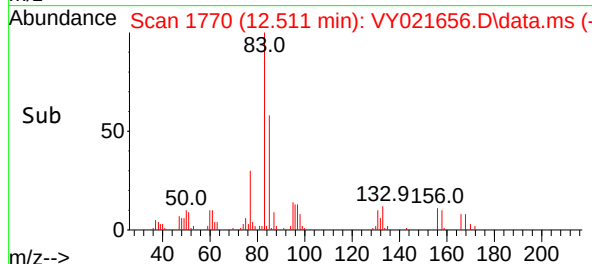
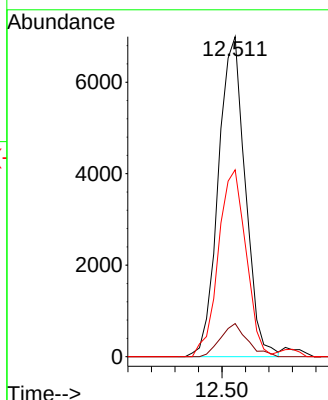
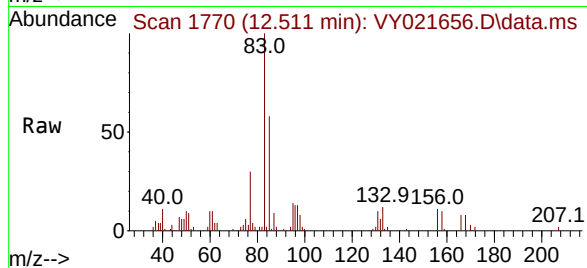
#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

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

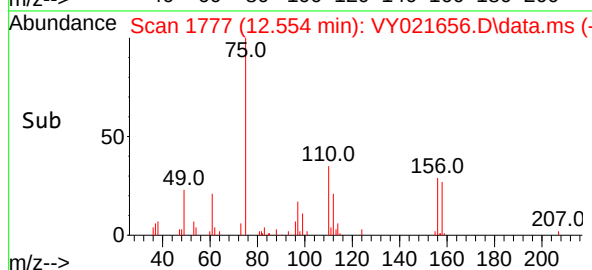
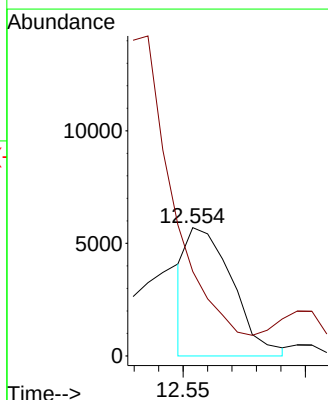
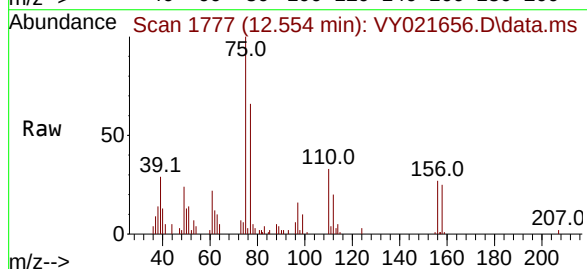
Manual Integrations
APPROVED

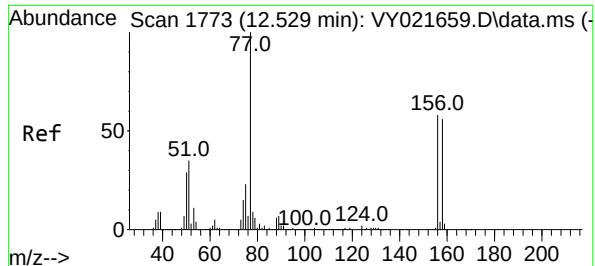
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 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#





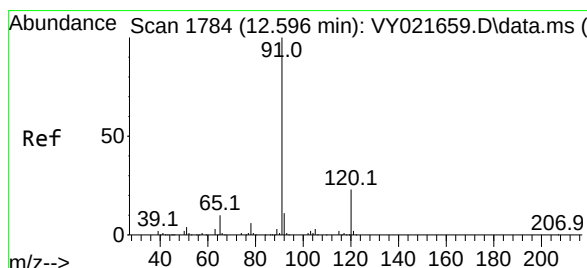
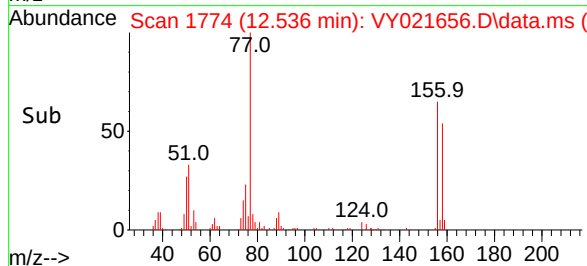
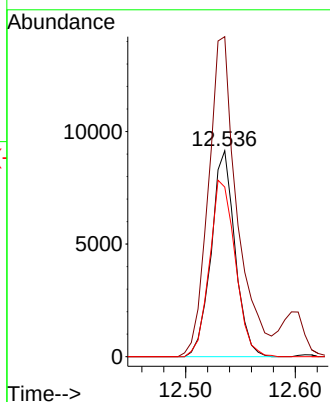
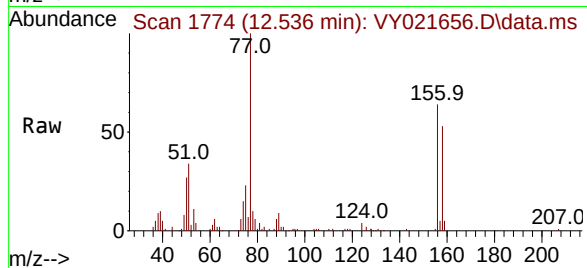
#77
Bromobenzene
Concen: 5.305 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

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

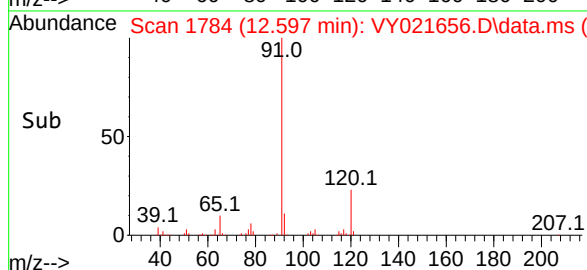
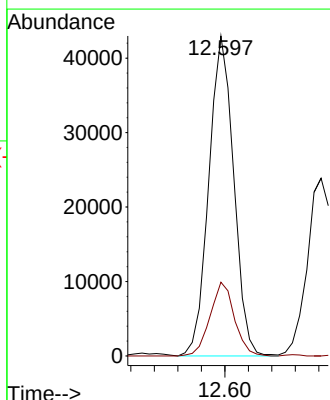
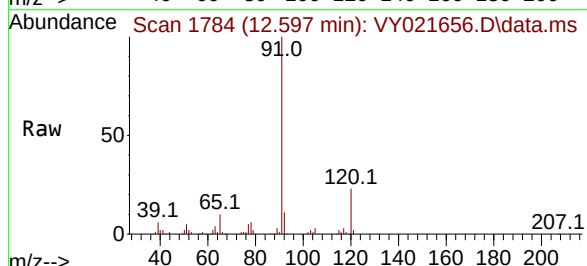
Manual Integrations
APPROVED

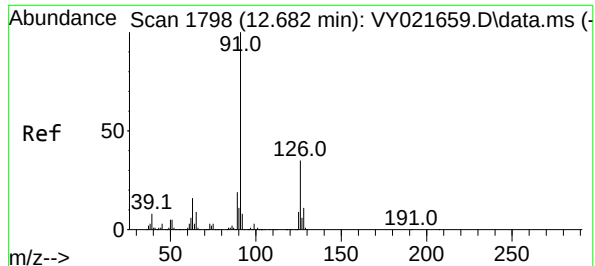
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





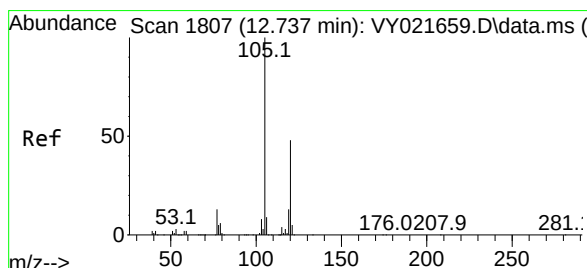
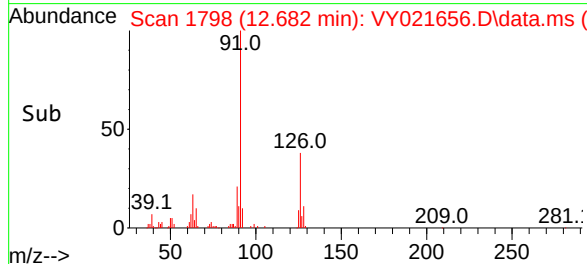
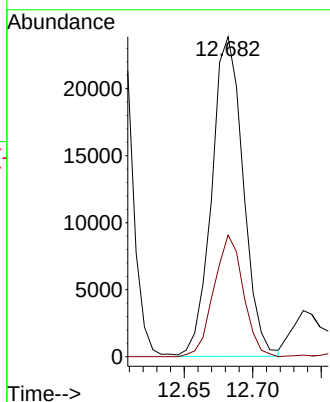
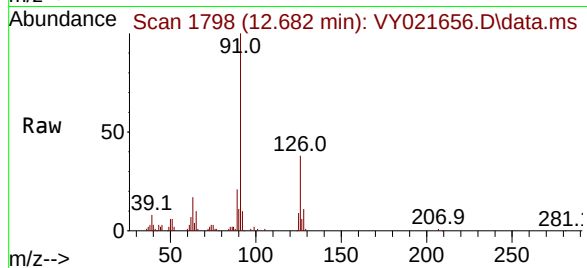
#79
2-Chlorotoluene
Concen: 5.044 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 3810
Ion Ratio Lower Upper
91 100
126 35.6 17.3 52.0

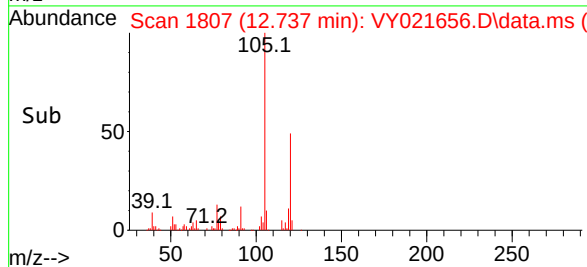
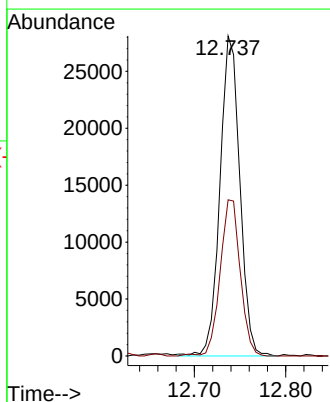
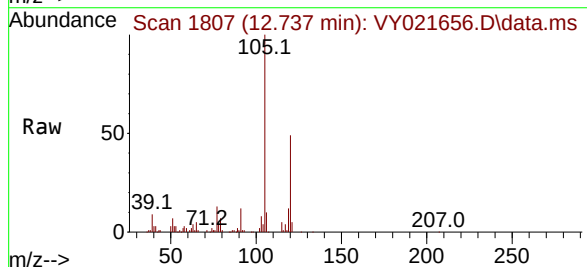
Manual Integrations
APPROVED

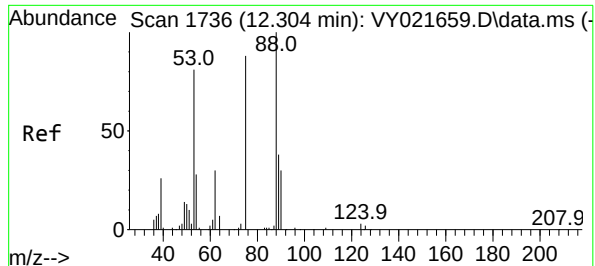
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

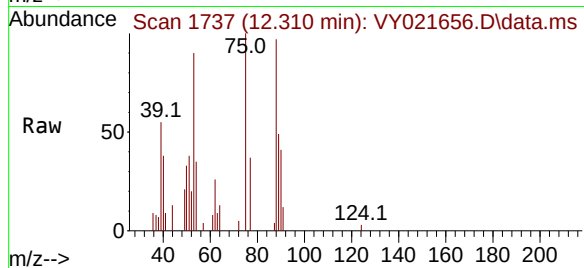
Tgt Ion:105 Resp: 42499
Ion Ratio Lower Upper
105 100
120 49.5 24.5 73.5





#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

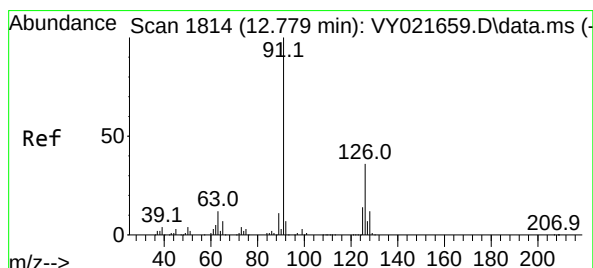
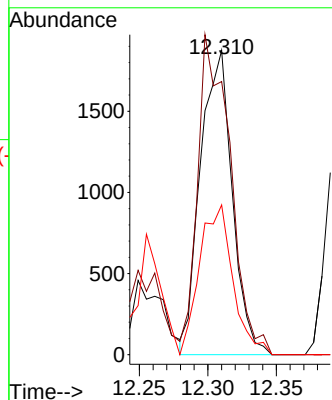
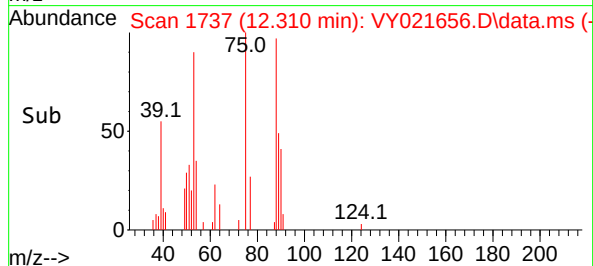
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 302
Ion Ratio Lower Upper
75 100
53 107.4 76.1 114.1
89 51.7 36.2 54.4

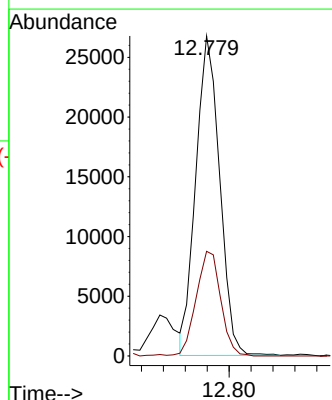
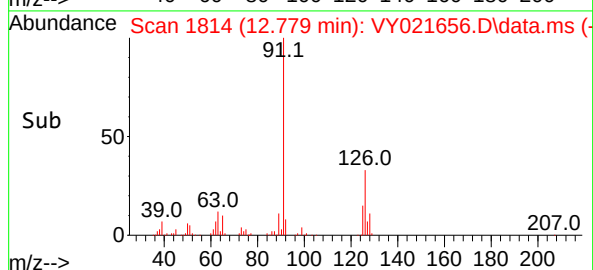
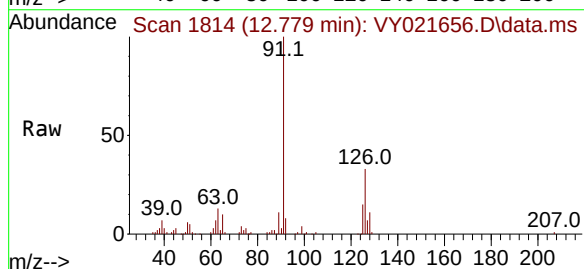
Manual Integrations
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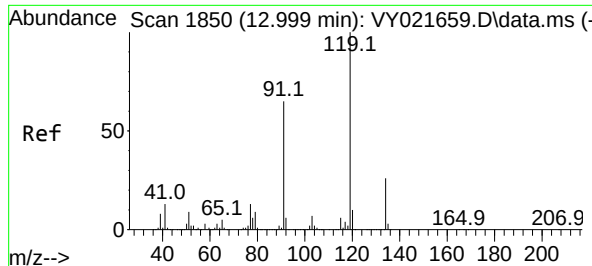
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

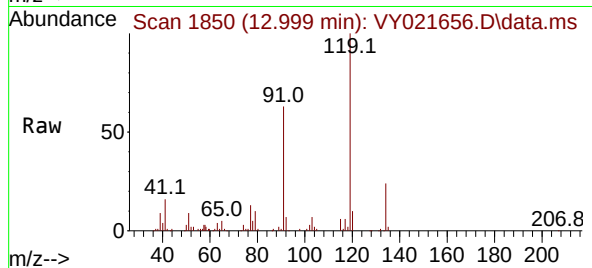
Tgt Ion: 91 Resp: 40326
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#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

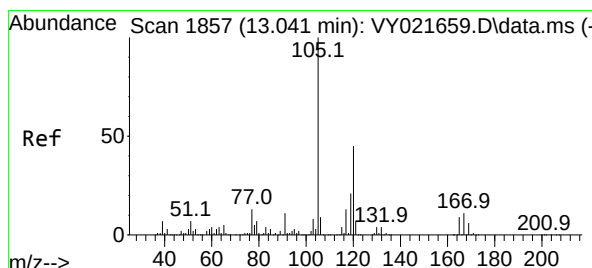
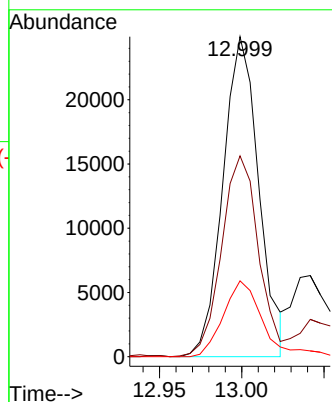
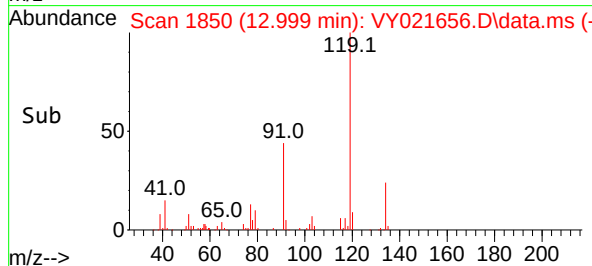
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



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

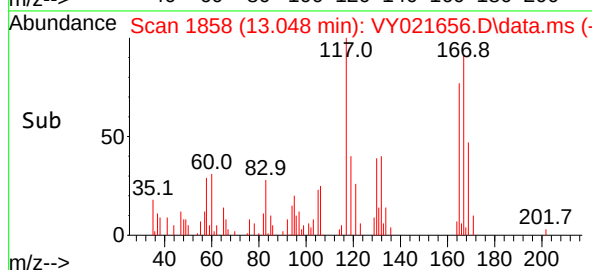
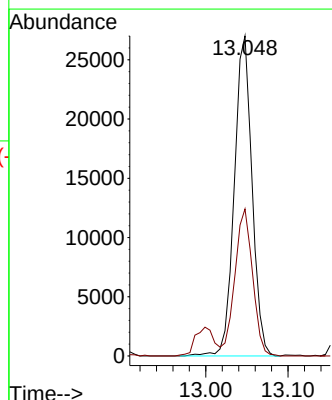
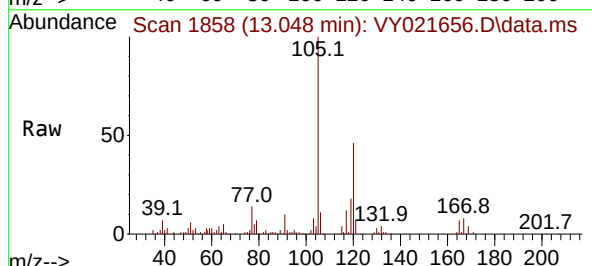
Manual Integrations
APPROVED

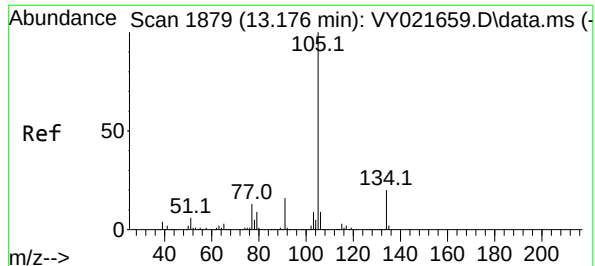
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





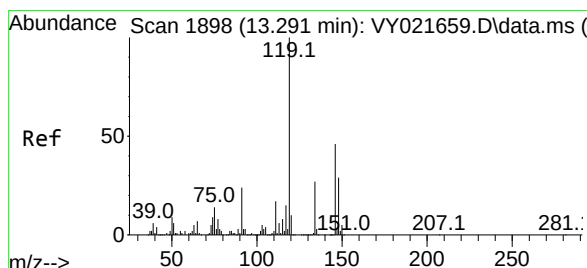
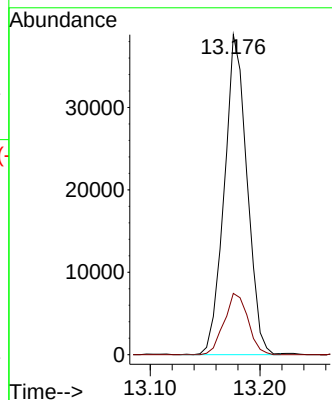
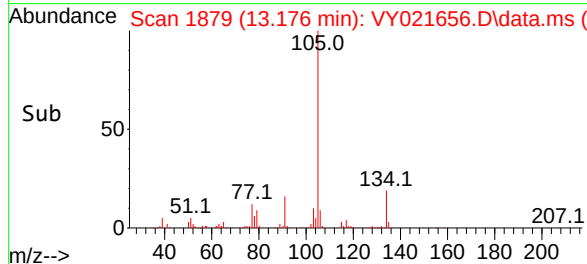
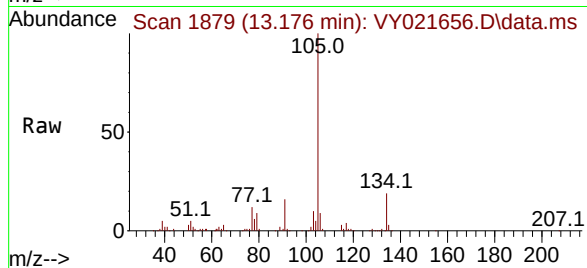
#85
sec-Butylbenzene
Concen: 4.858 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 55918
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

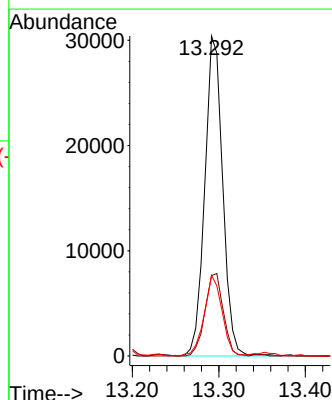
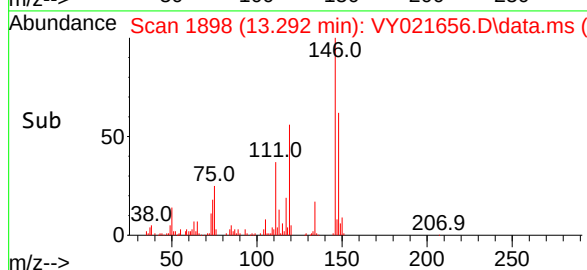
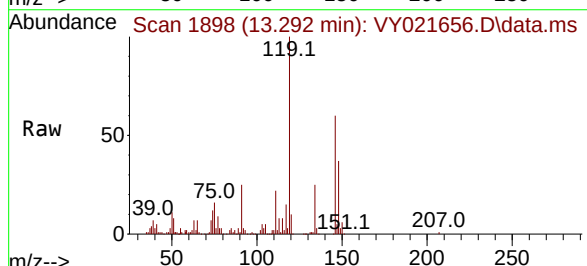
Manual Integrations
APPROVED

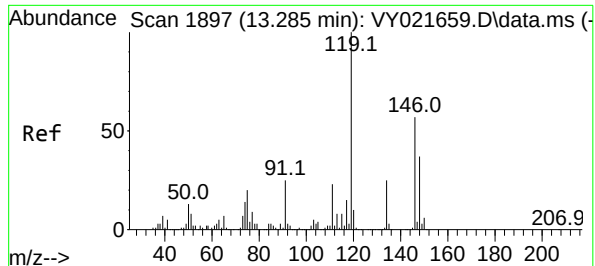
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

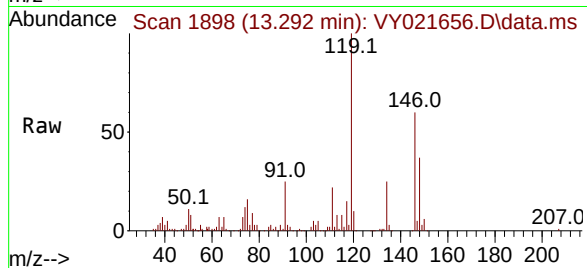
Tgt Ion:119 Resp: 43714
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 25.2 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

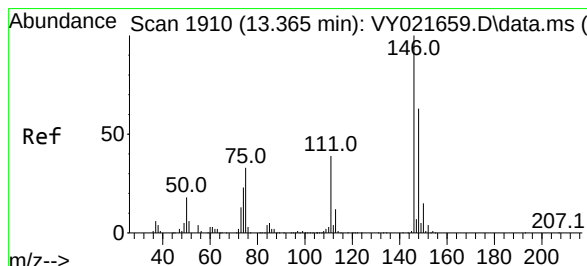
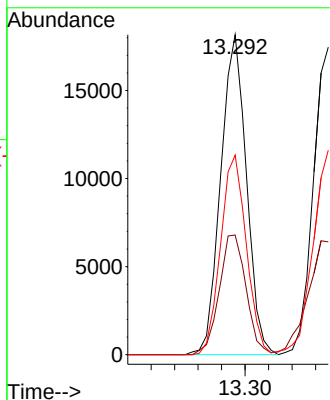
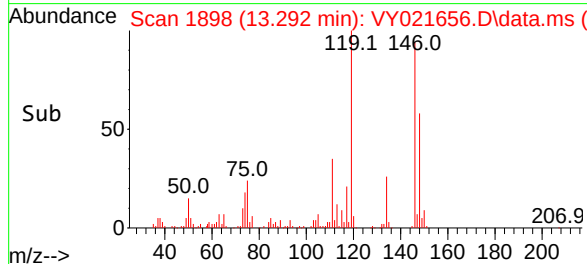
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



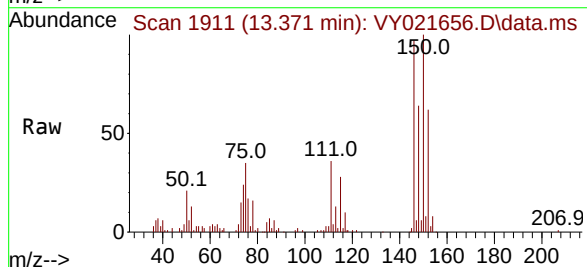
Tgt Ion:146 Resp: 27604
Ion Ratio Lower Upper
146 100
111 39.1 20.0 60.0
148 62.4 31.8 95.4

Manual Integrations
APPROVED

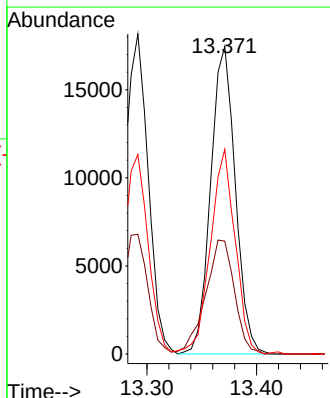
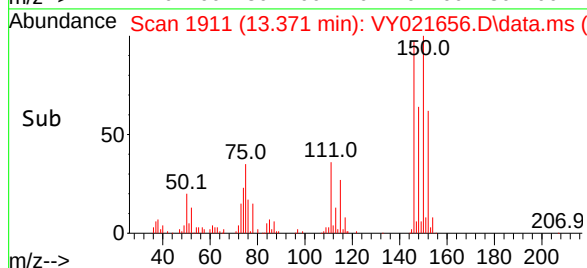
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

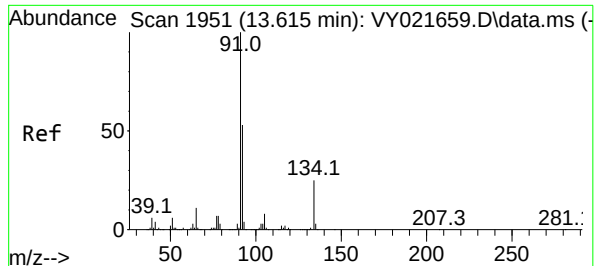


#88
1,4-Dichlorobenzene
Concen: 5.405 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08



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# 1952

Delta R.T. 0.006 min

Lab File: VY021656.D

Acq: 27 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

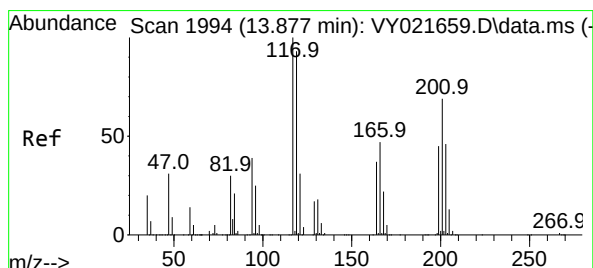
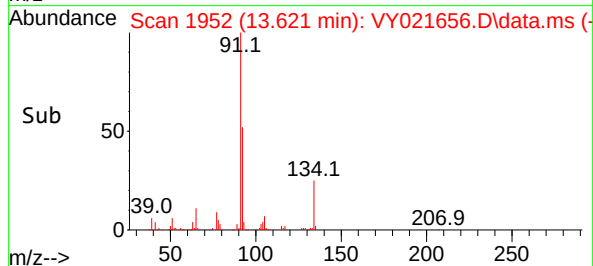
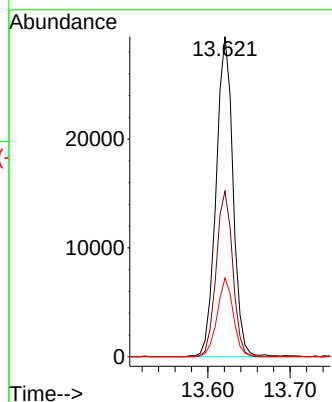
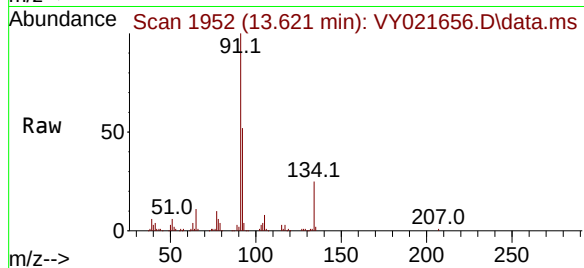
VSTDIC005

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

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



#90

Hexachloroethane

Concen: 5.573 ug/l

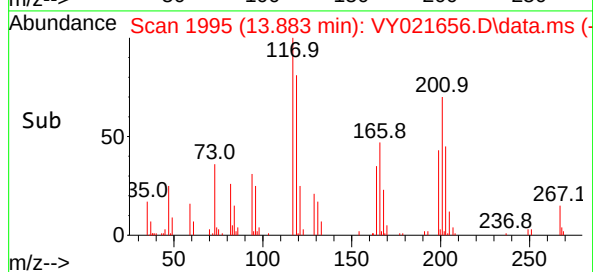
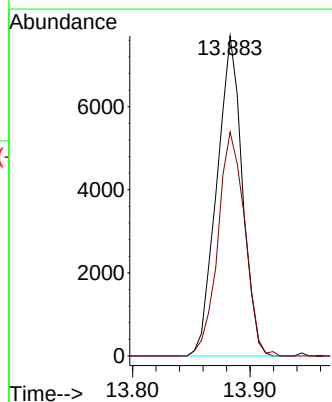
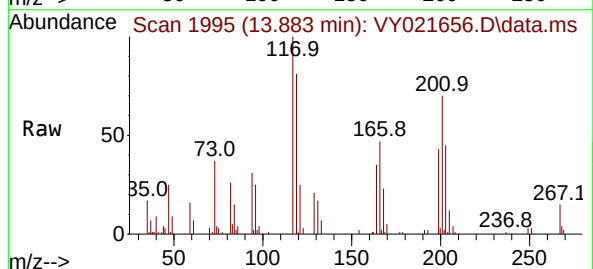
RT: 13.883 min Scan# 1995

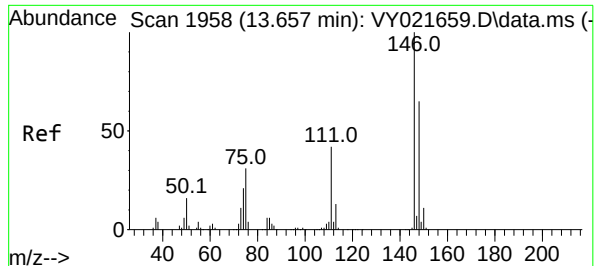
Delta R.T. 0.006 min

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





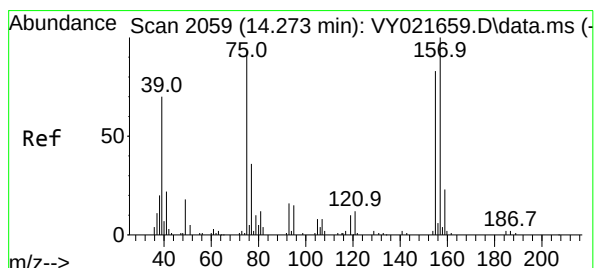
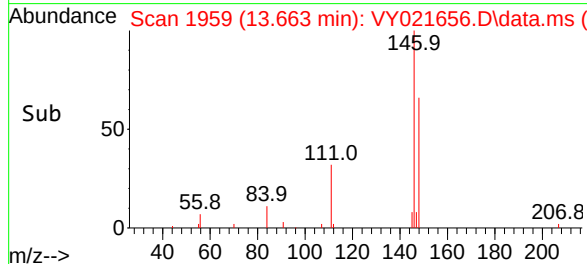
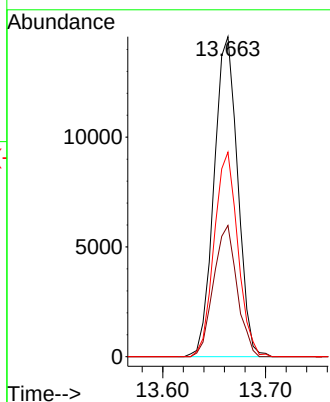
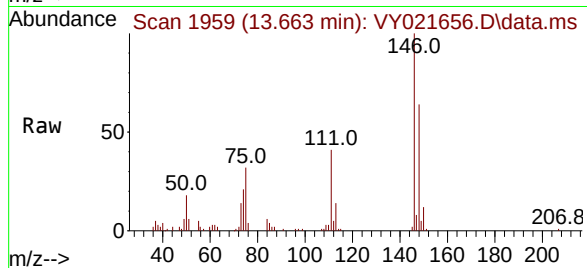
#91
1,2-Dichlorobenzene
Concen: 5.224 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

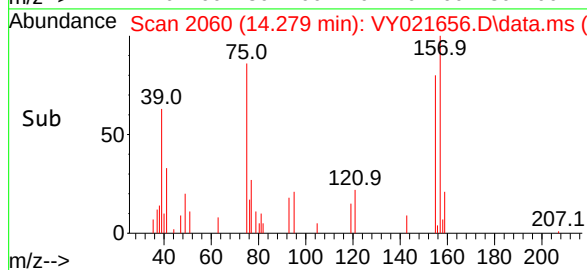
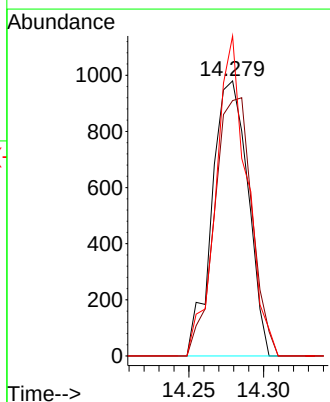
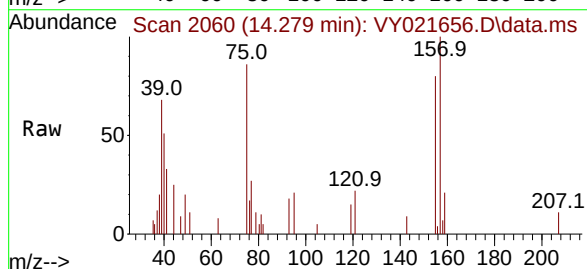
Manual Integrations
APPROVED

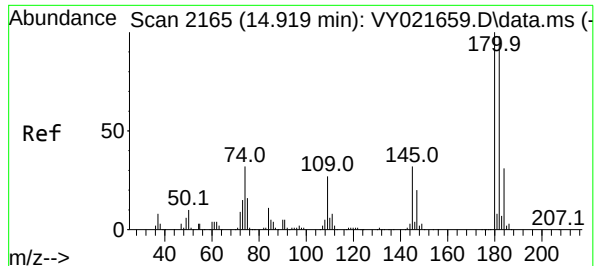
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

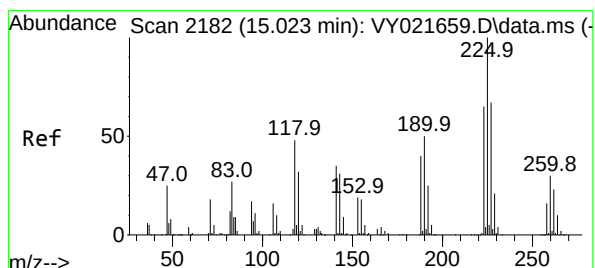
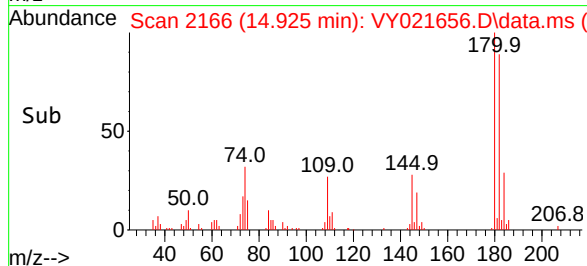
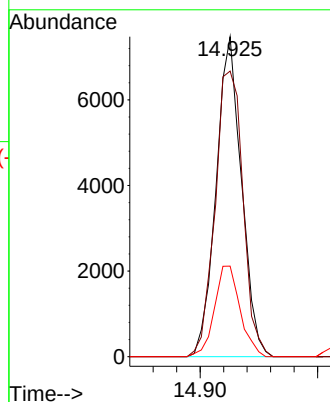
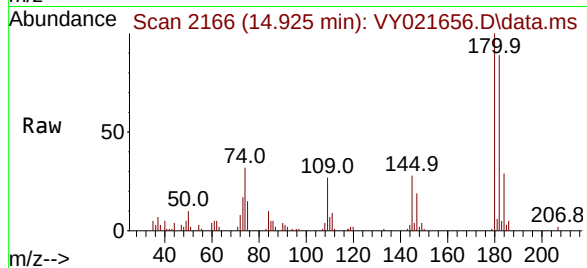
VSTDIC005

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

APPROVED

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



#94

Hexachlorobutadiene

Concen: 5.484 ug/l

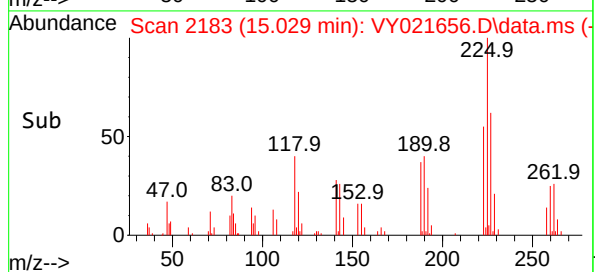
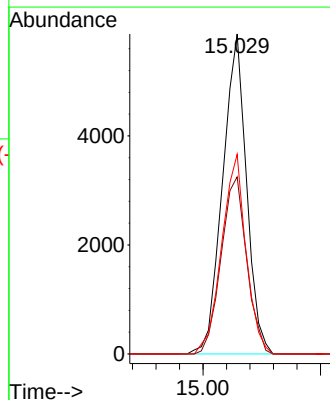
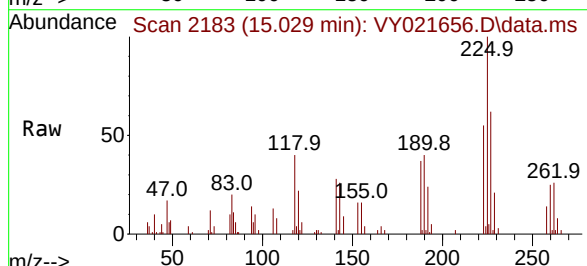
RT: 15.029 min Scan# 2183

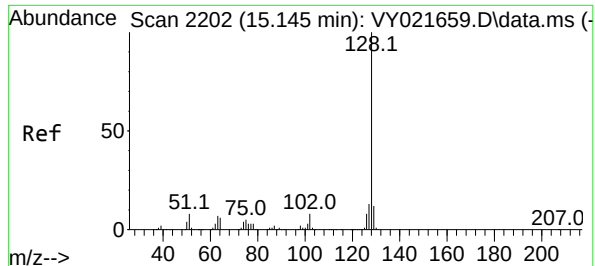
Delta R.T. 0.006 min

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 :

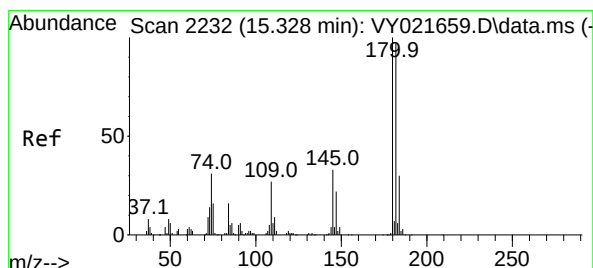
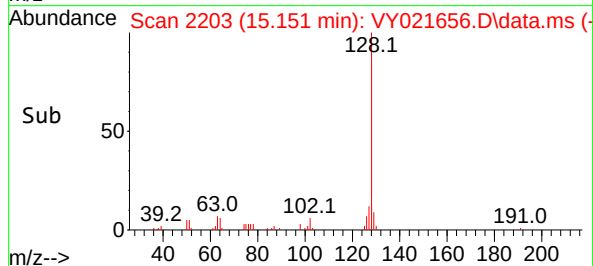
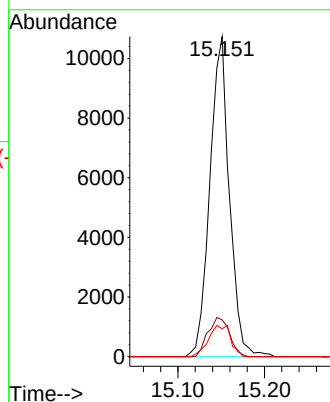
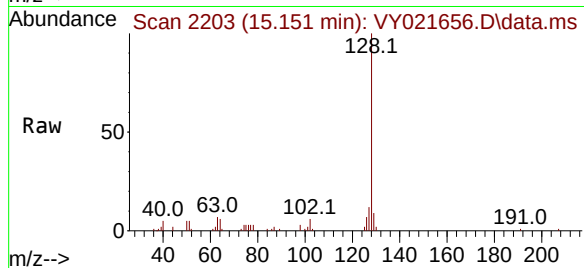
VSTDIC005

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

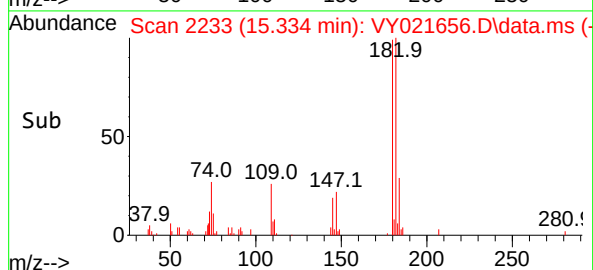
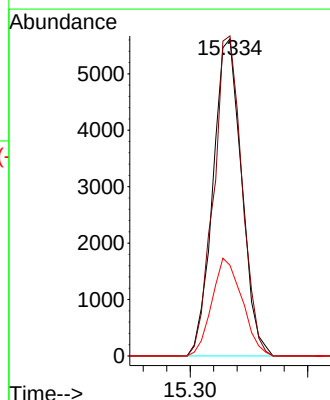
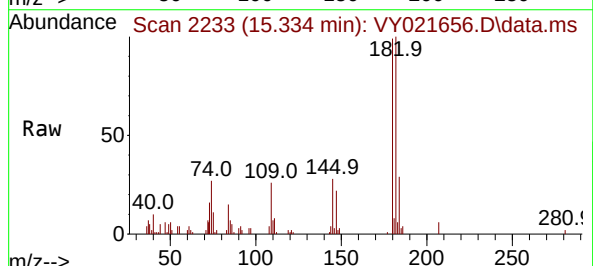
RT: 15.334 min Scan# 2233

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)

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

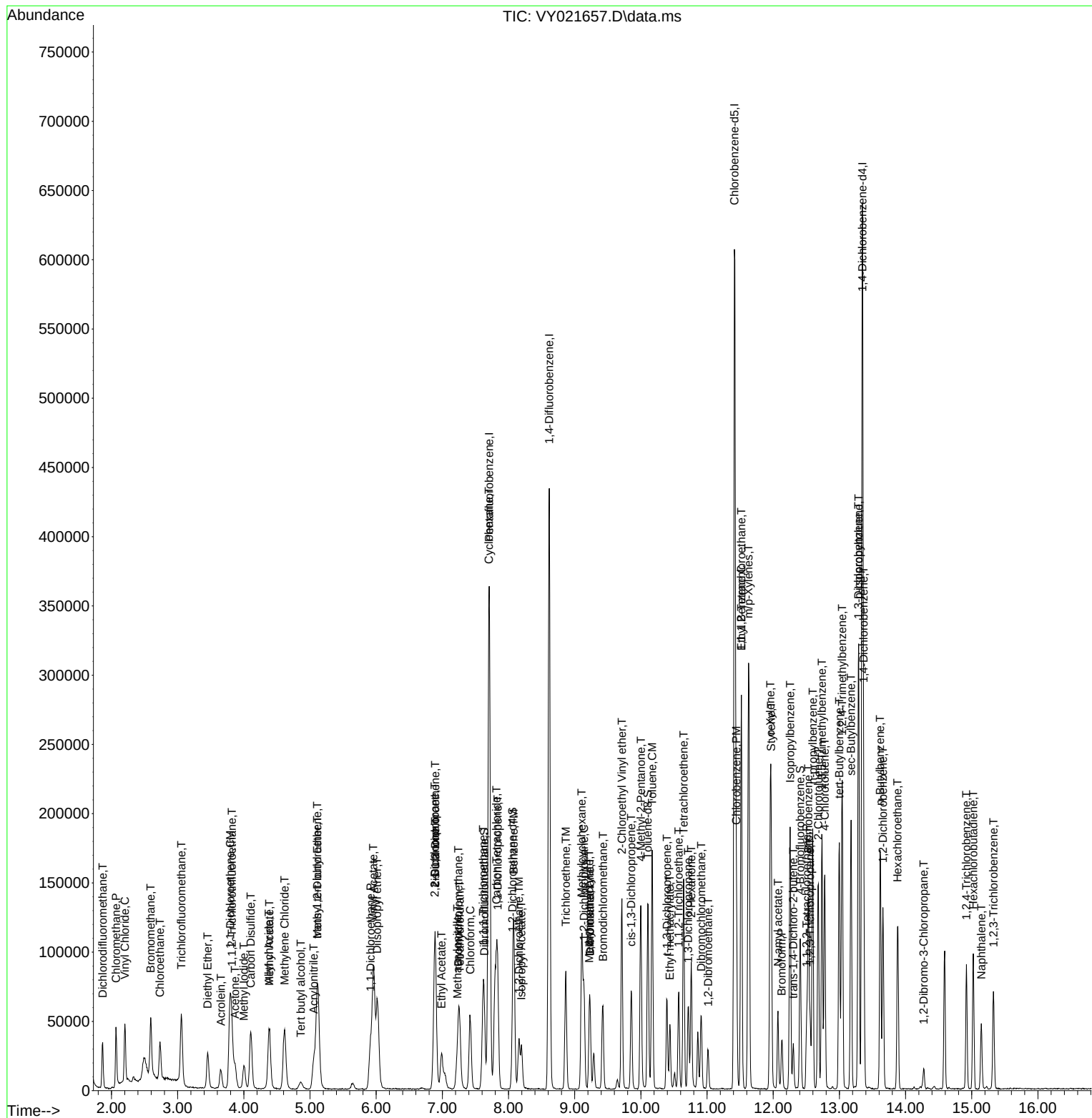
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 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

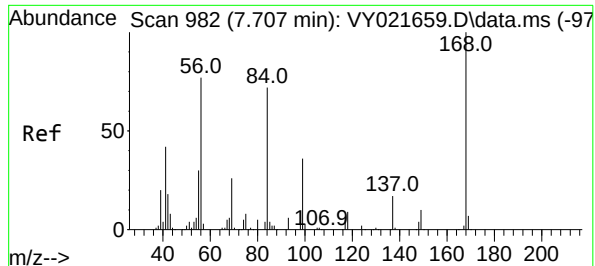
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

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





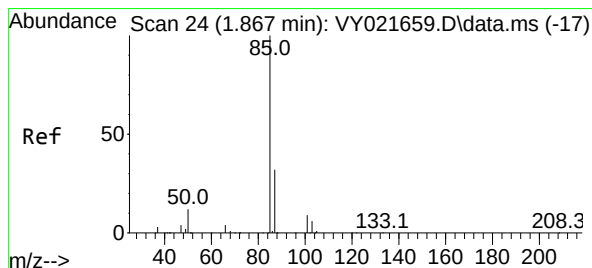
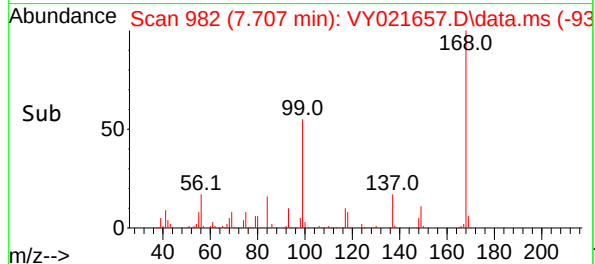
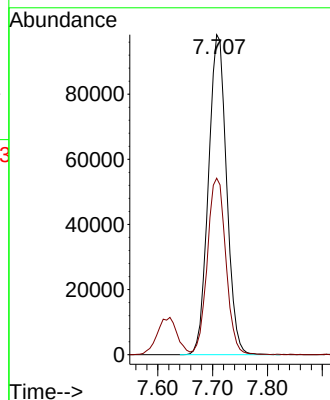
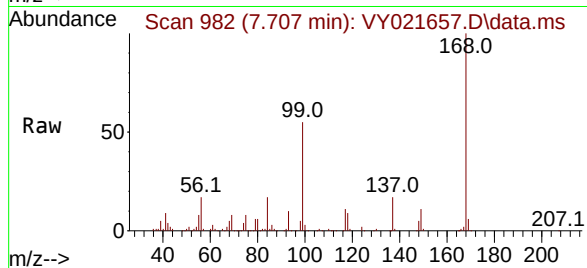
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

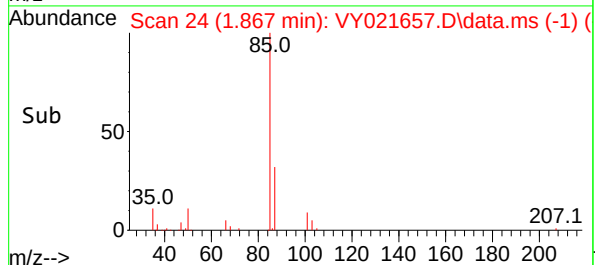
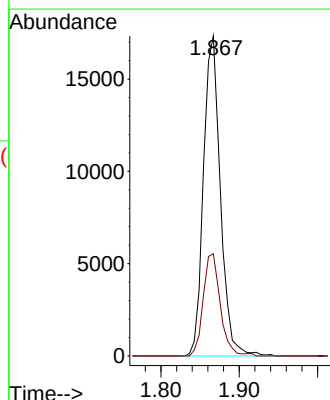
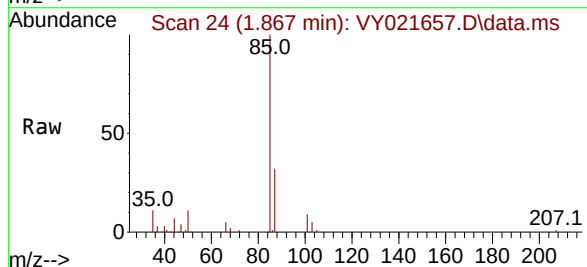
Manual Integrations
APPROVED

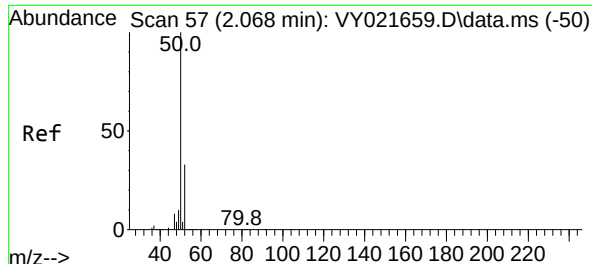
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

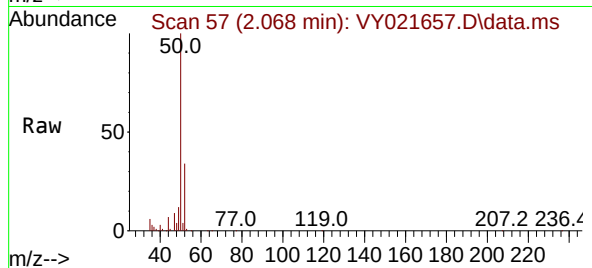
Tgt Ion: 85 Resp: 26017
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6





#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

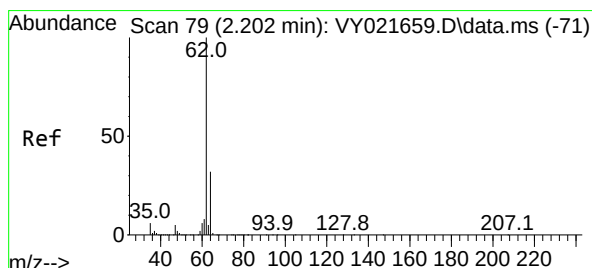
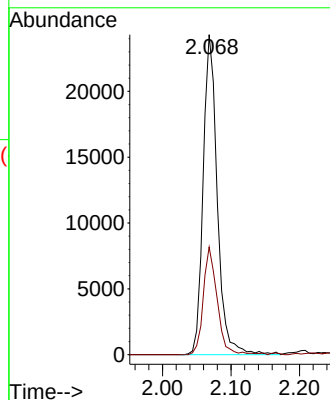
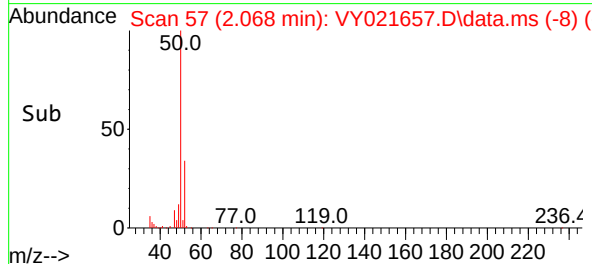
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



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

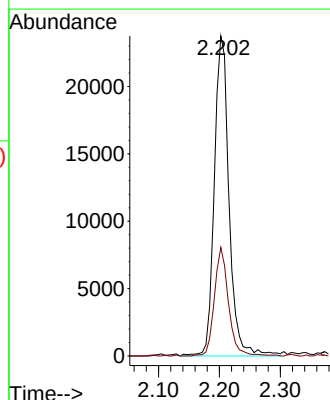
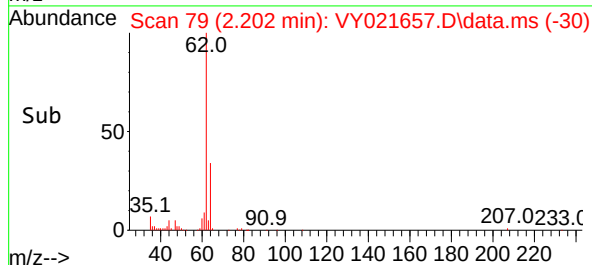
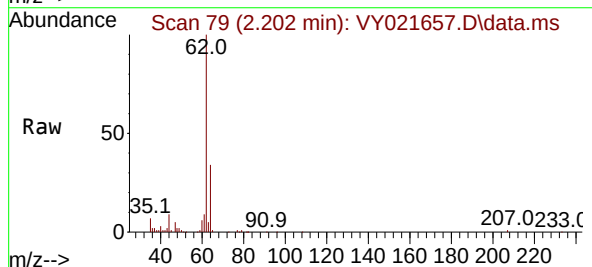
Manual Integrations
APPROVED

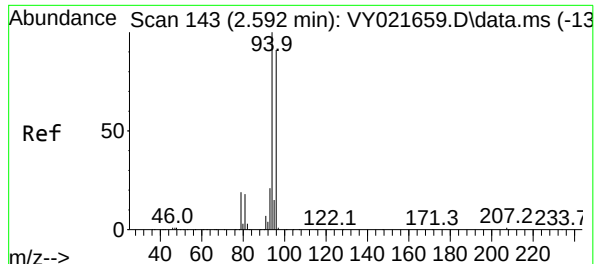
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

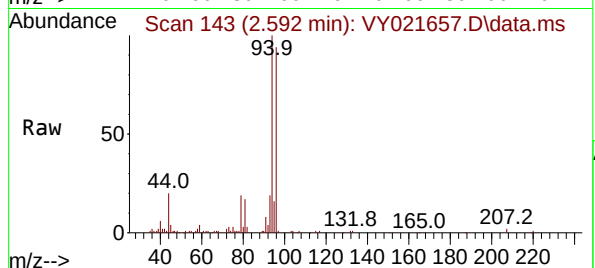
Tgt Ion: 62 Resp: 39982
Ion Ratio Lower Upper
62 100
64 33.9 25.5 38.3





#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

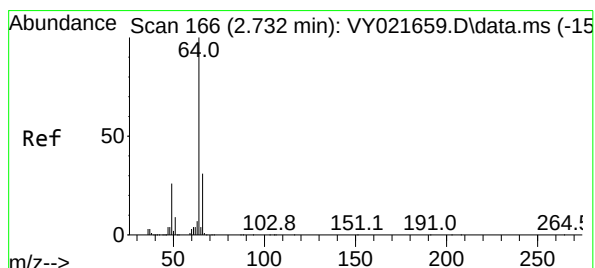
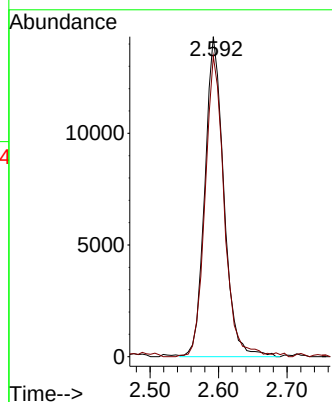
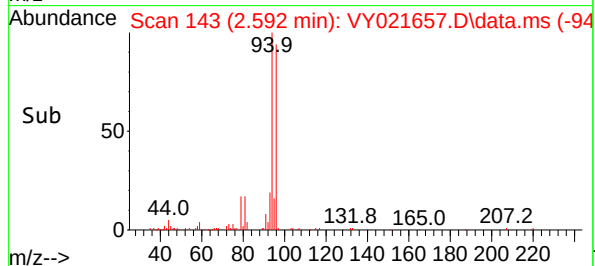
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



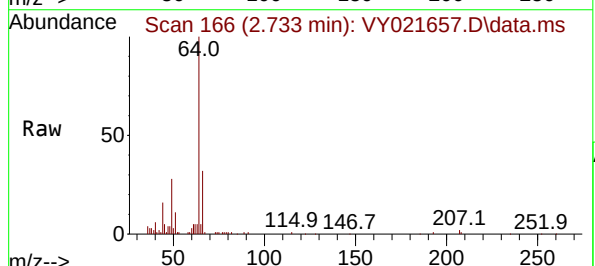
Tgt Ion: 94 Resp: 27670
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2

Manual Integrations
APPROVED

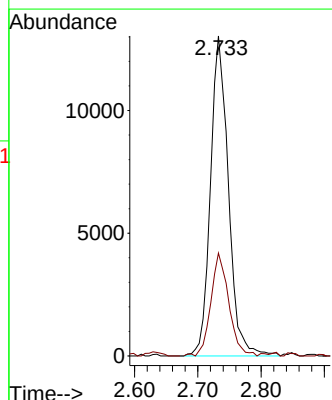
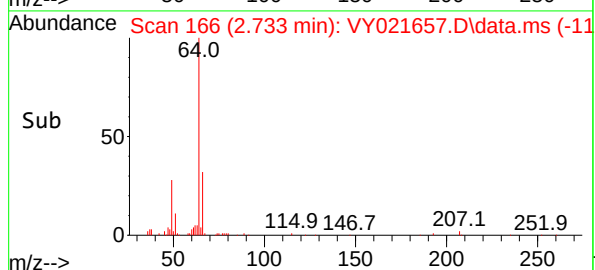
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

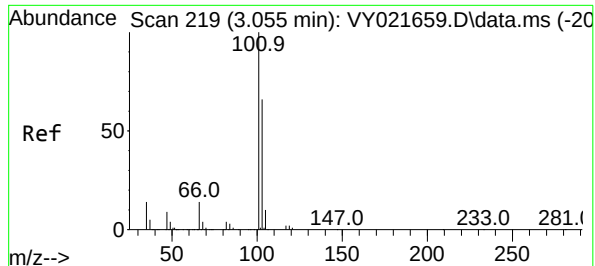


#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



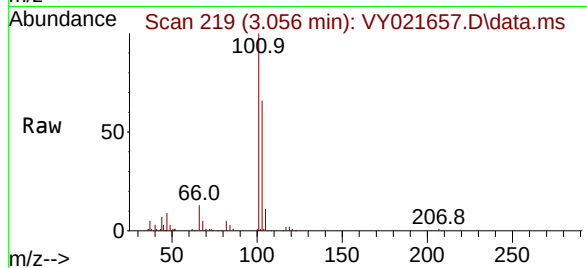
Tgt Ion: 64 Resp: 25703
Ion Ratio Lower Upper
64 100
66 32.1 24.9 37.3





#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

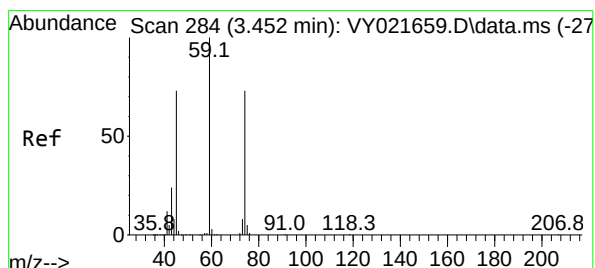
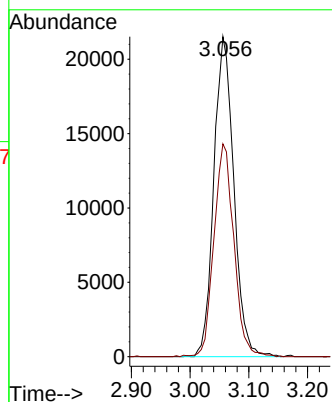
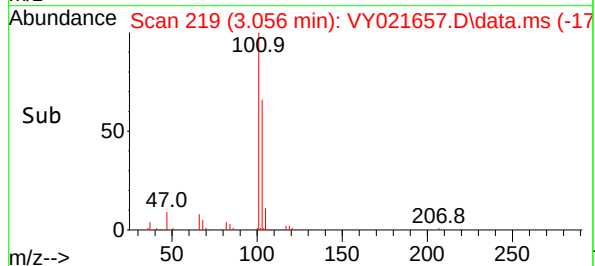
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

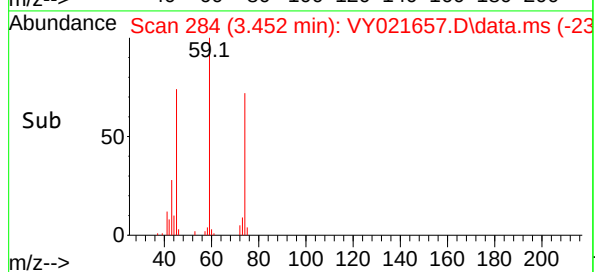
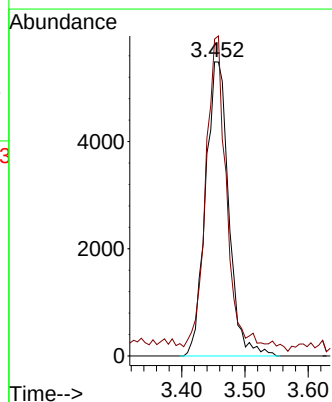
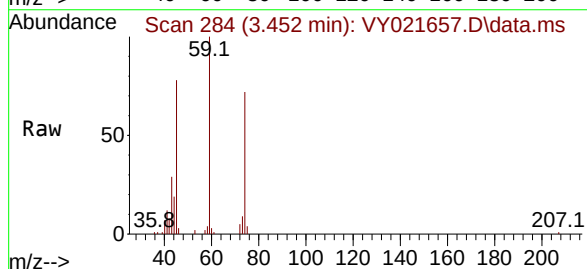
Manual Integrations
APPROVED

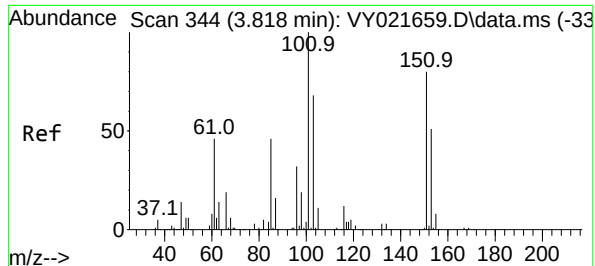
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





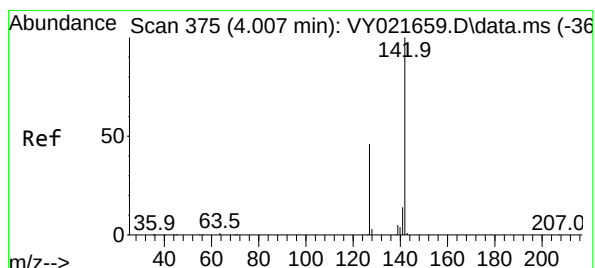
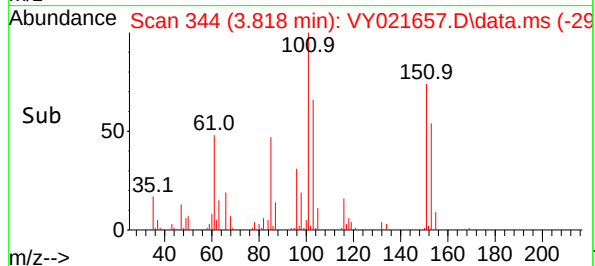
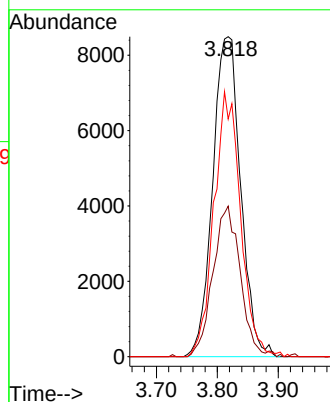
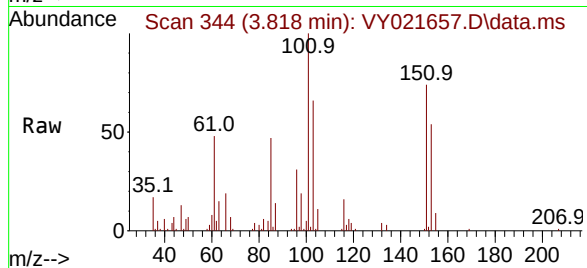
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

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

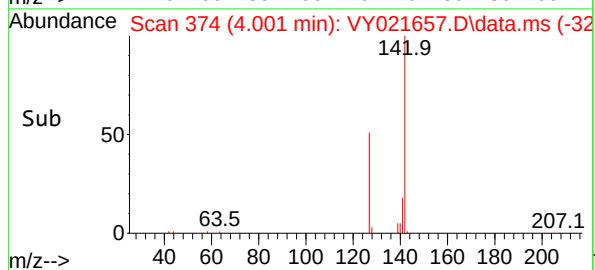
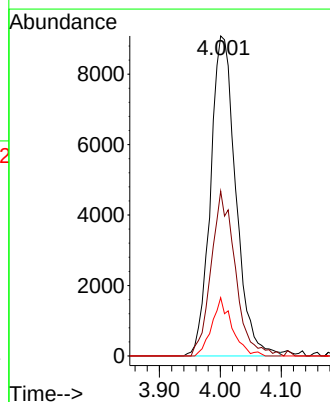
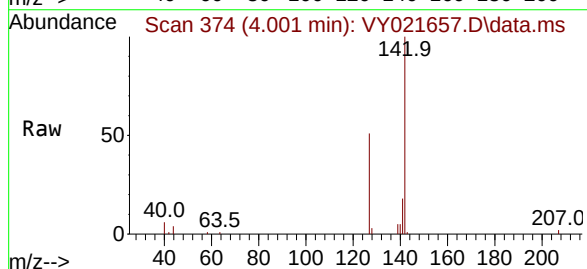
Manual Integrations
APPROVED

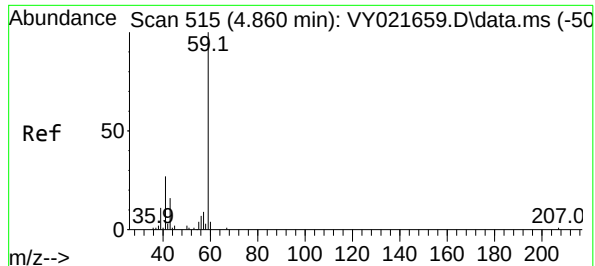
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

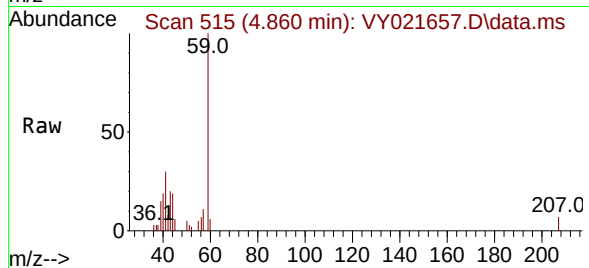
Tgt Ion:142 Resp: 26193
Ion Ratio Lower Upper
142 100
127 49.4 38.7 58.1
141 14.6 11.5 17.3





#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

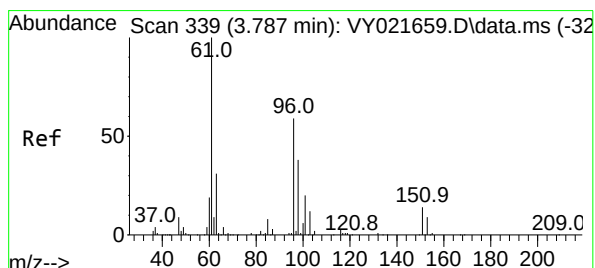
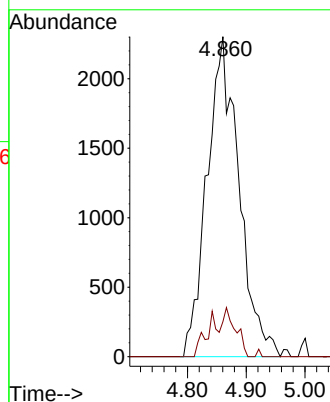
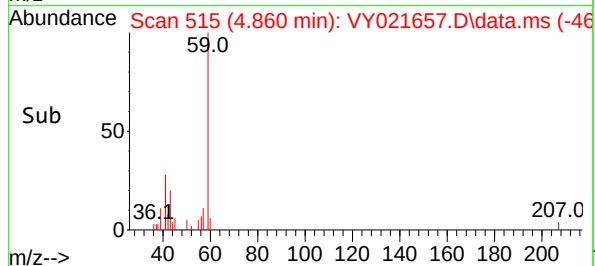
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 6.3 9.2 13.8

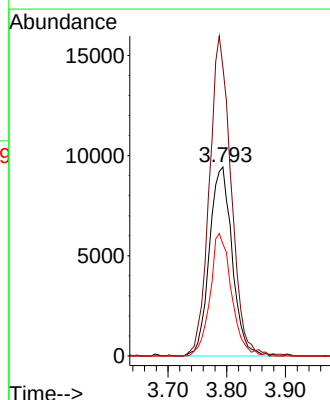
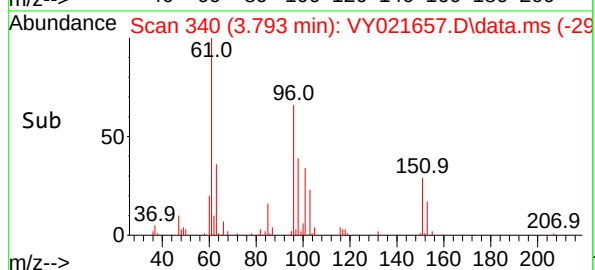
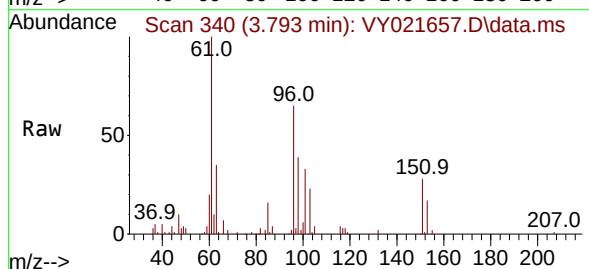
Manual Integrations
APPROVED

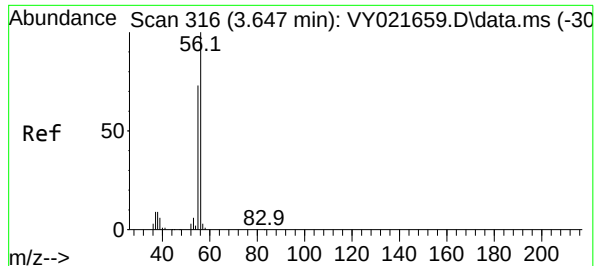
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#12
1,1-Dichloroethene
Concen: 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 :

VSTDIC010

Tgt Ion: 56 Resp: 15799

Ion Ratio Lower Upper

56 100

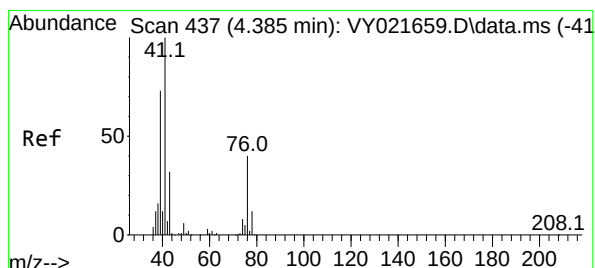
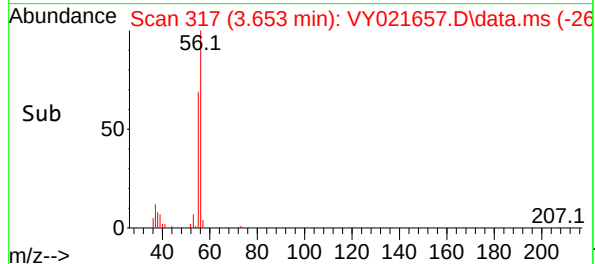
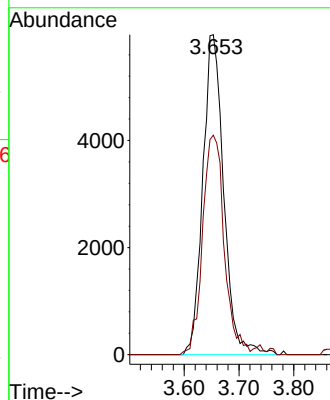
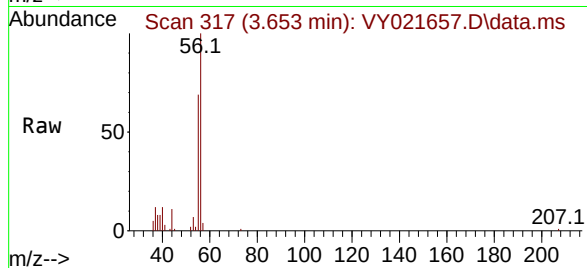
55 71.0 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/28/2025

Supervised By :Mahesh Dadoda 03/28/2025



#14

Allyl chloride

Concen: 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

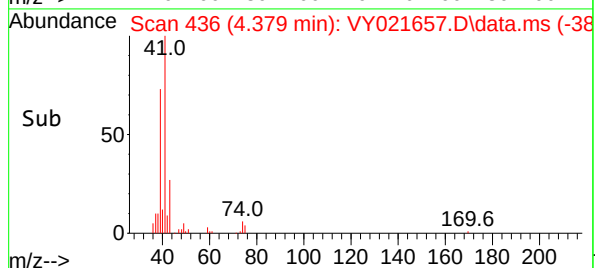
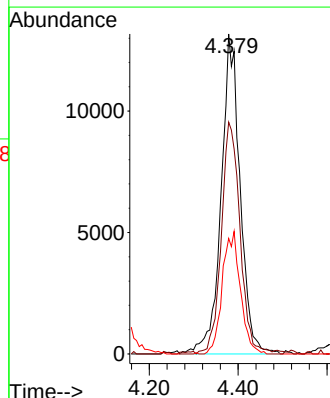
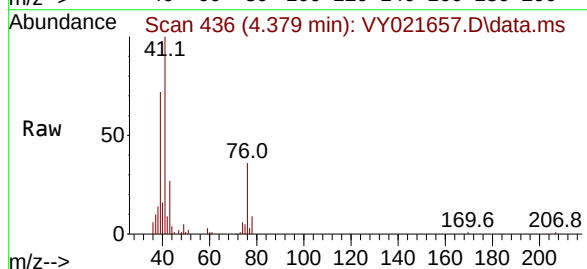
Tgt Ion: 41 Resp: 39045

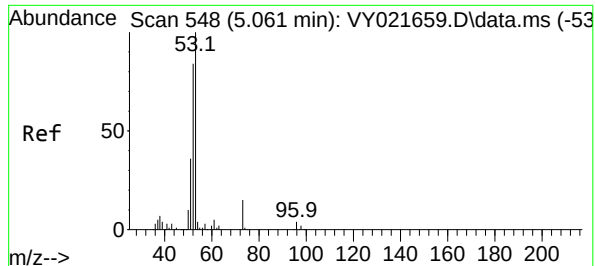
Ion Ratio Lower Upper

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

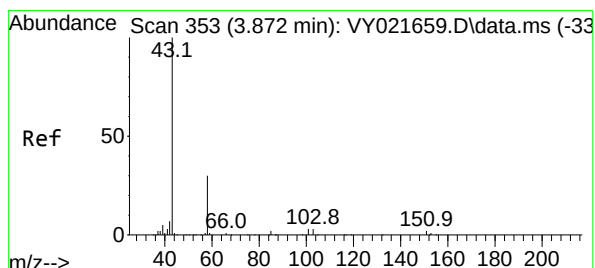
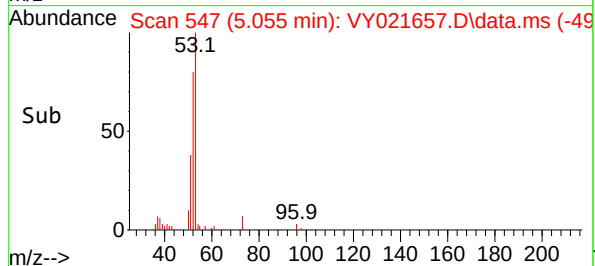
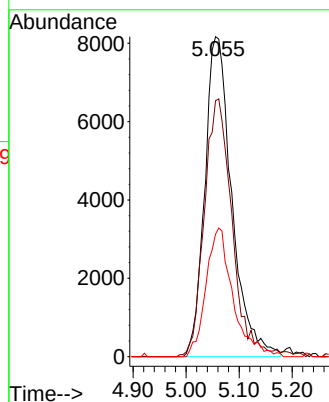
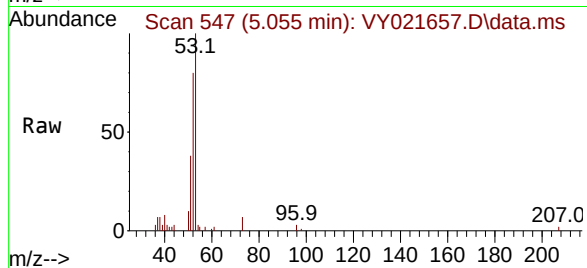
53 100

52 81.9 64.9 97.3

51 40.1 30.2 45.2

Manual Integrations

APPROVED

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

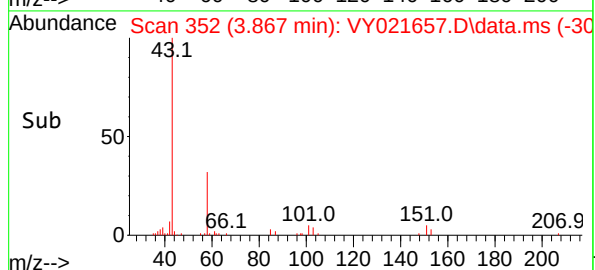
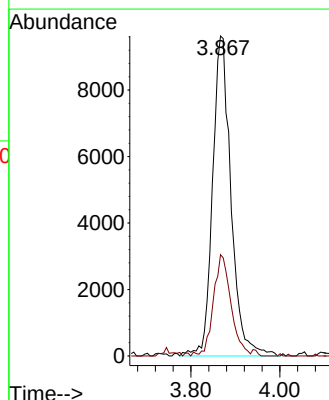
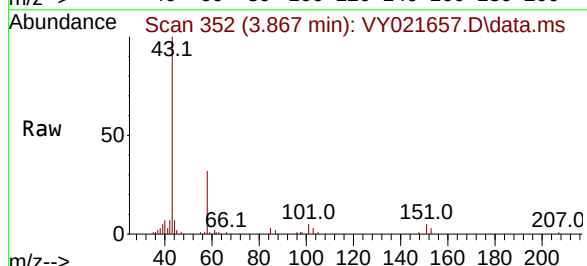
Acq: 27 Mar 2025 10:31

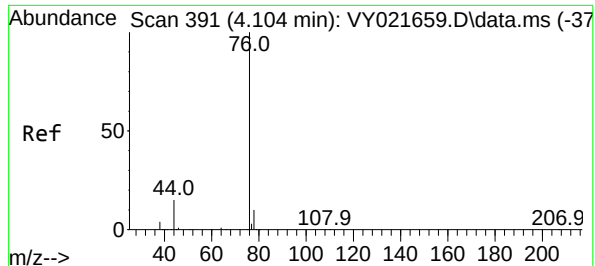
Tgt Ion: 43 Resp: 27669

Ion Ratio Lower Upper

43 100

58 31.0 24.2 36.4





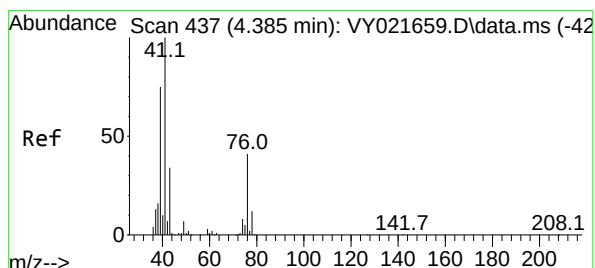
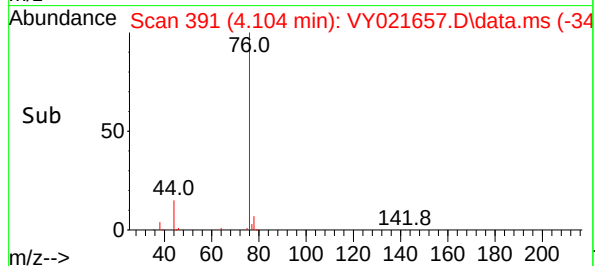
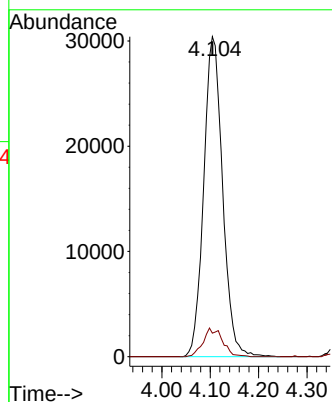
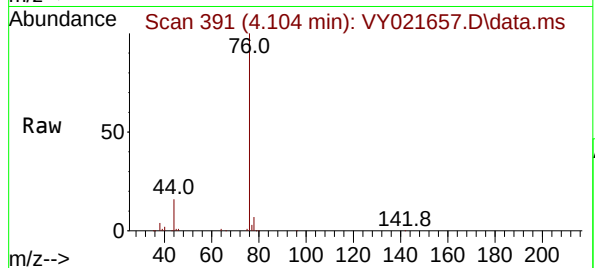
#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

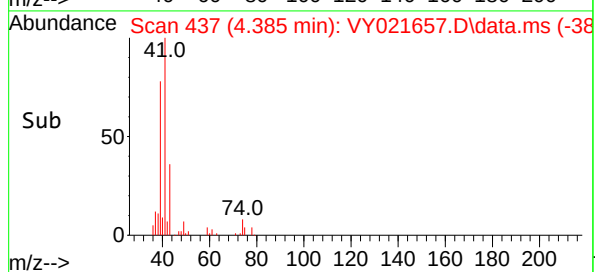
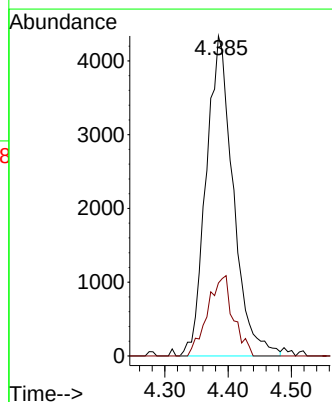
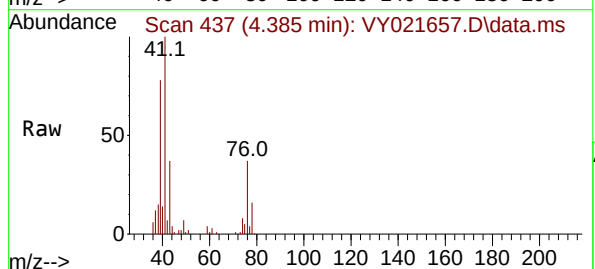
Manual Integrations
APPROVED

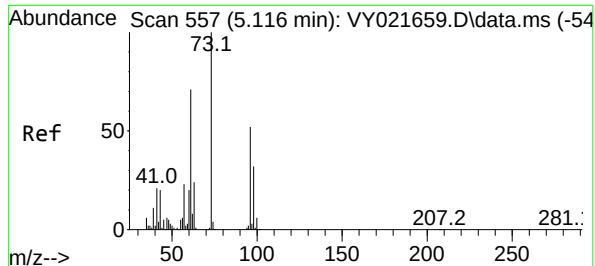
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

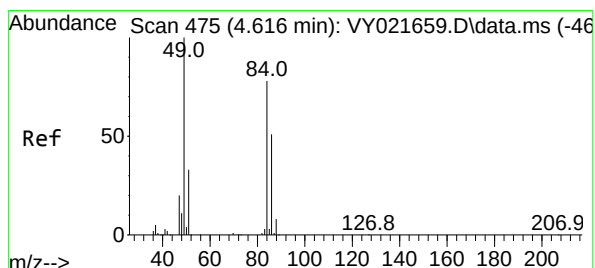
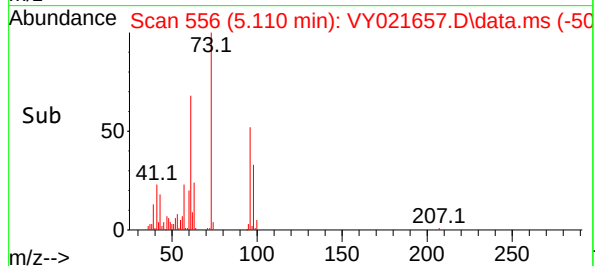
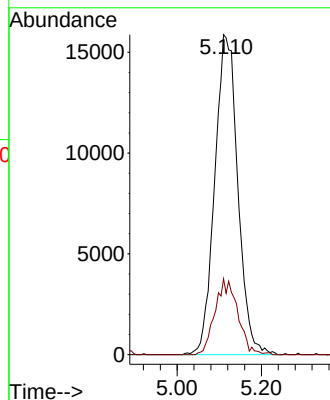
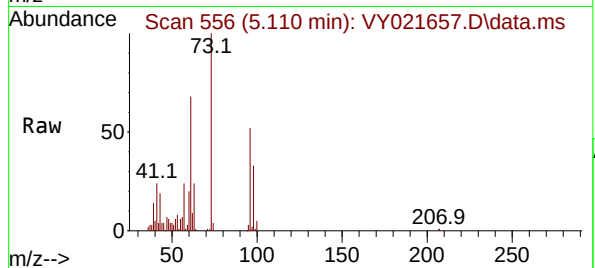
Ion Ratio Lower Upper

73 100

57 23.7 18.1 27.1

Manual Integrations

APPROVED

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

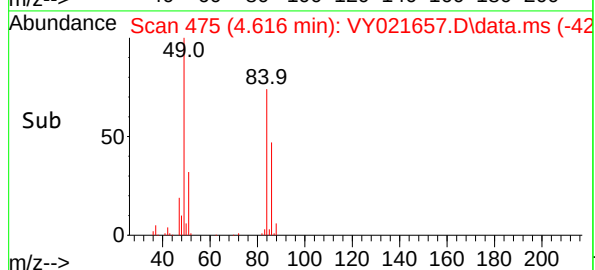
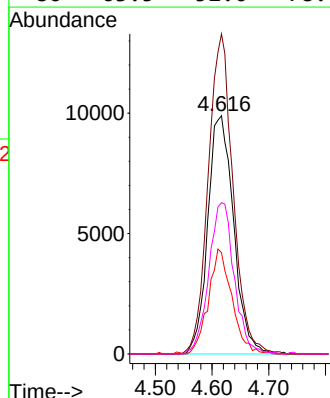
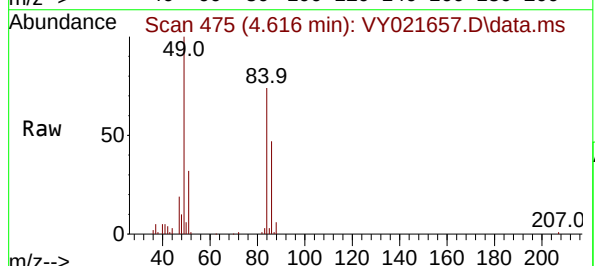
Ion Ratio Lower Upper

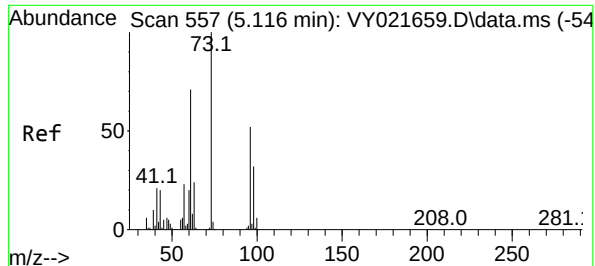
84 100

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# 511

Delta R.T. -0.006 min

Lab File: VY021657.D

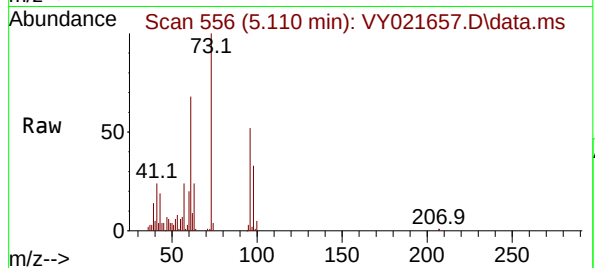
Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010



Tgt Ion: 96 Resp: 2740

Ion Ratio Lower Upper

96 100

61 130.5 109.4 164.0

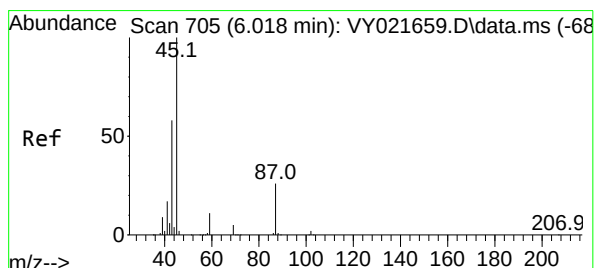
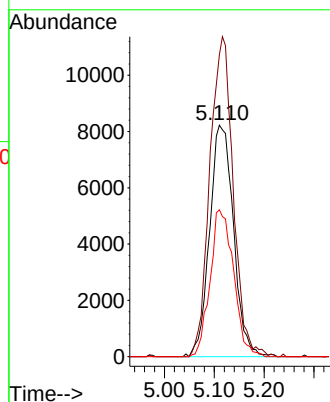
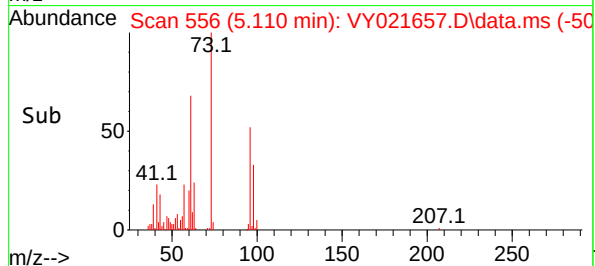
98 63.5 50.2 75.2

Manual Integrations

APPROVED

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

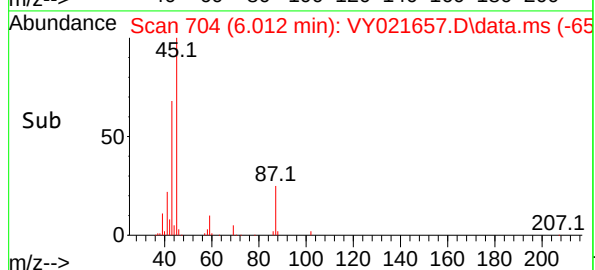
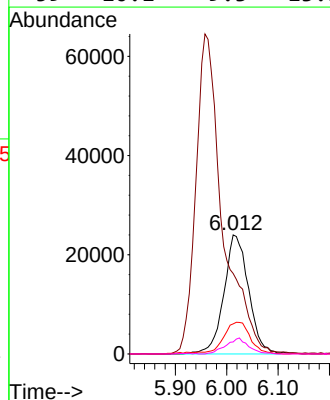
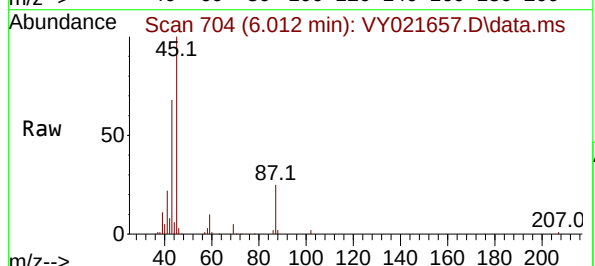
Ion Ratio Lower Upper

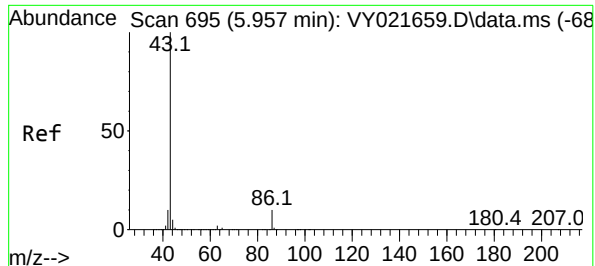
45 100

43 66.0 46.6 69.8

87 24.9 20.7 31.1

59 10.1 9.3 13.9





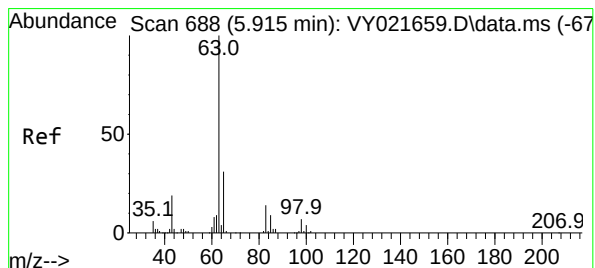
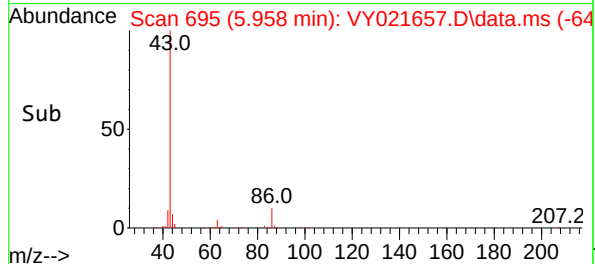
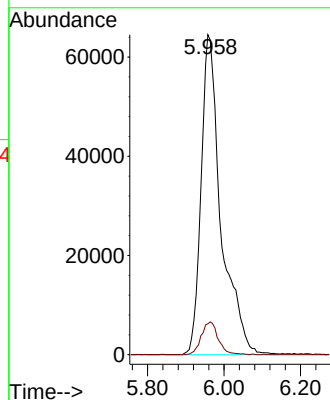
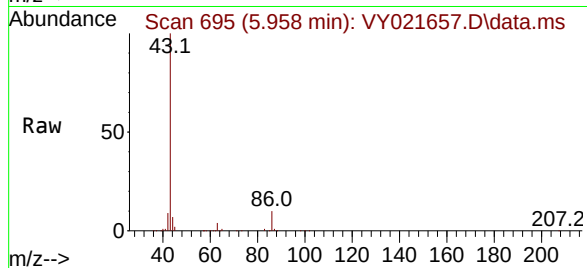
#23
Vinyl Acetate
Concen: 50.469 ug/l
RT: 5.958 min Scan# 695
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 233590
Ion Ratio Lower Upper
43 100
86 9.6 8.2 12.2

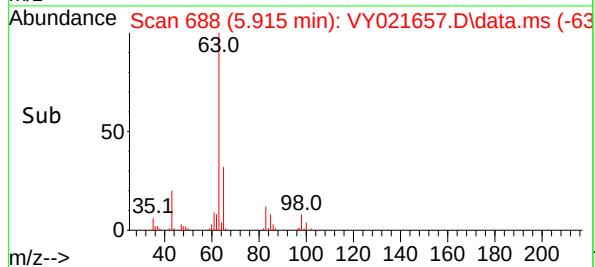
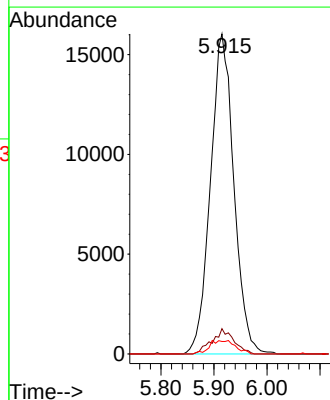
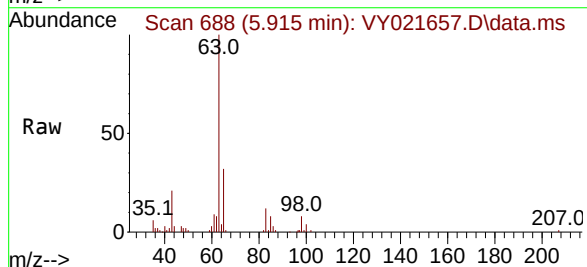
Manual Integrations
APPROVED

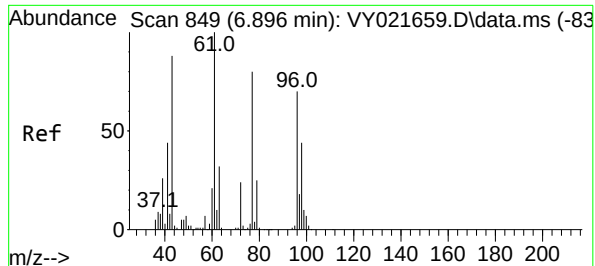
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

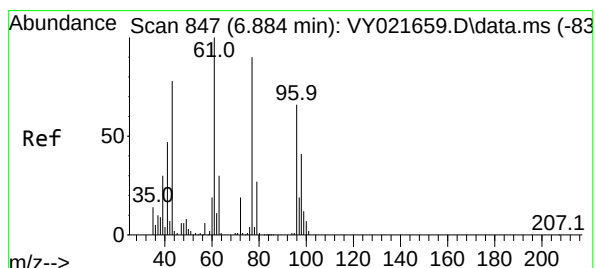
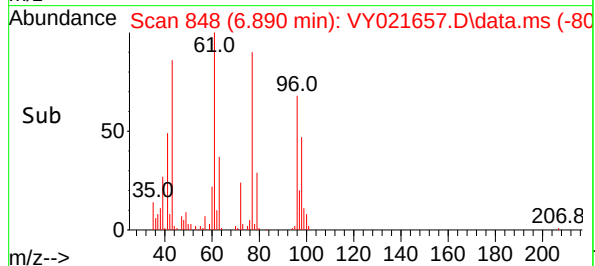
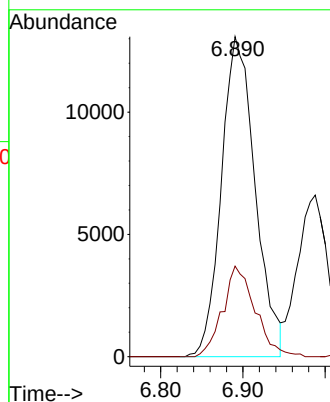
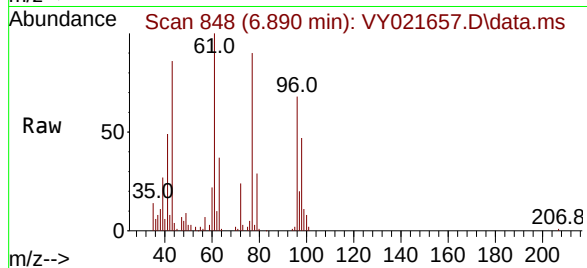
72 28.3 21.4 32.2

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

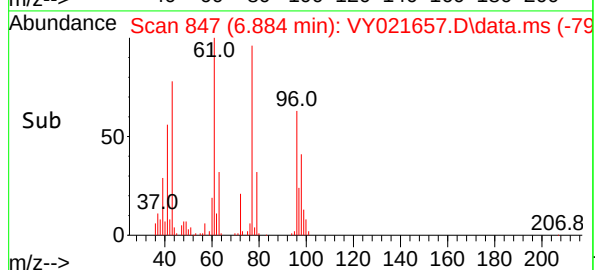
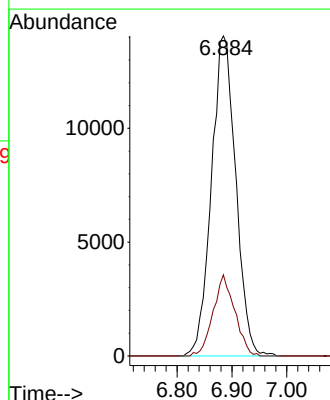
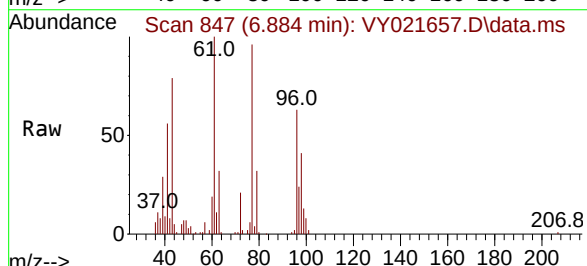
Acq: 27 Mar 2025 10:31

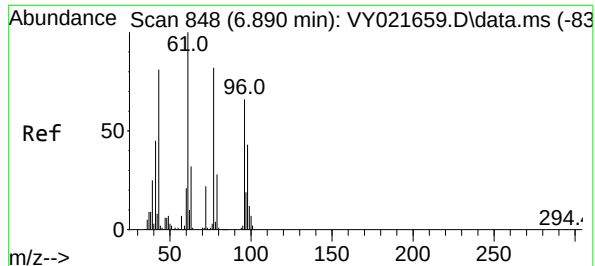
Tgt Ion: 77 Resp: 43412

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 :

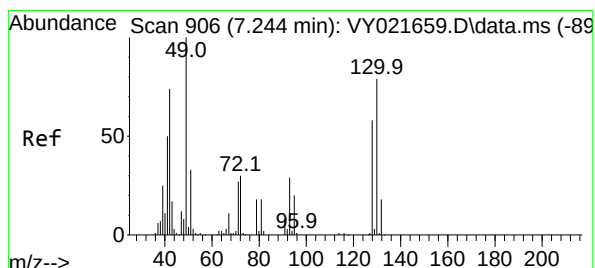
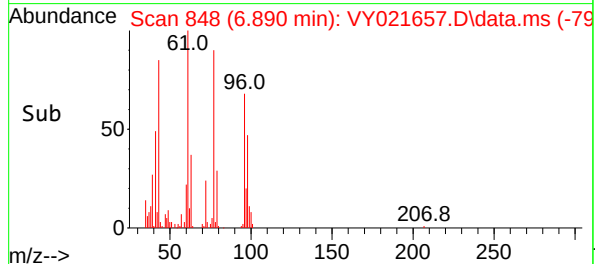
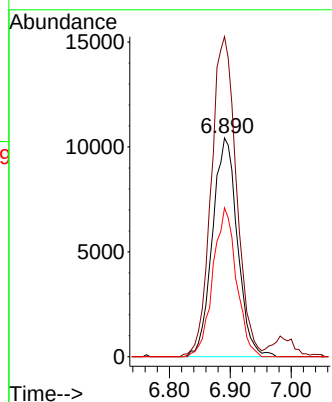
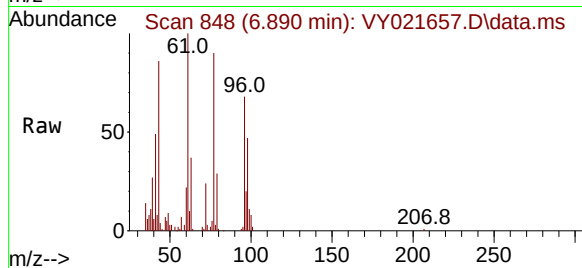
VSTDICC010

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

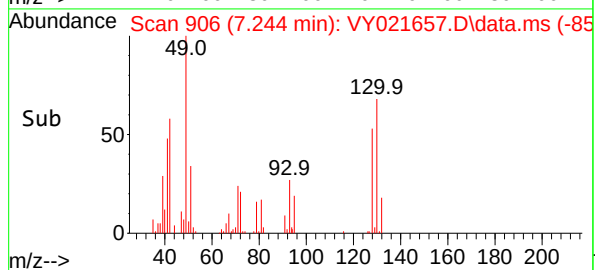
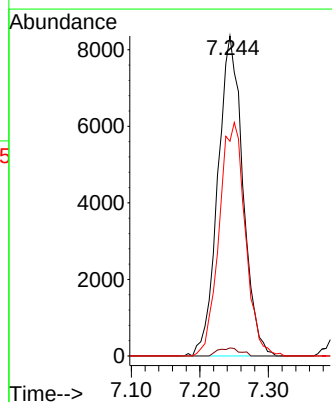
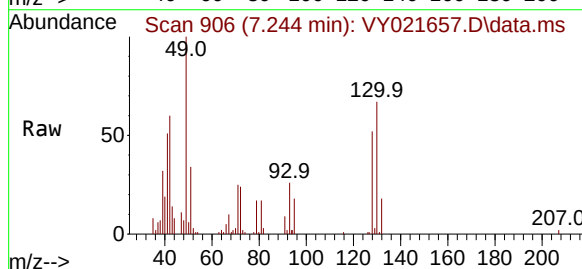
RT: 7.244 min Scan# 906

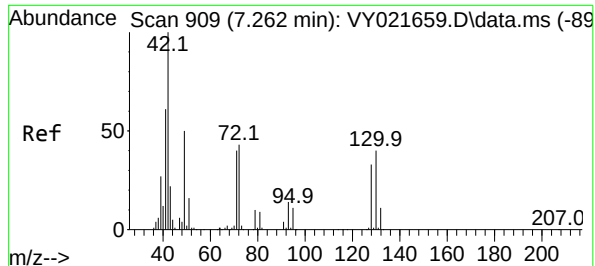
Delta R.T. 0.000 min

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 :

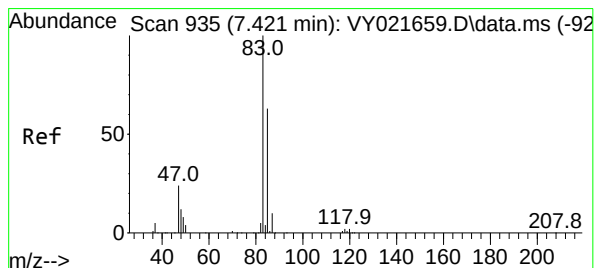
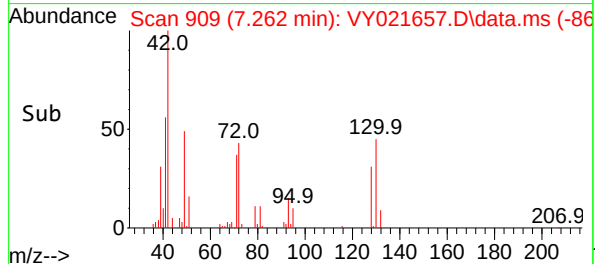
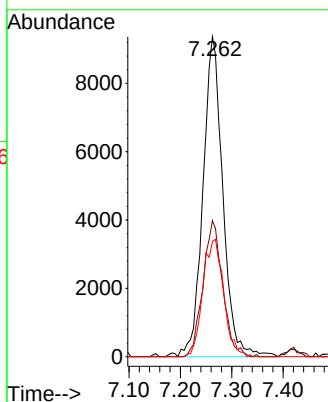
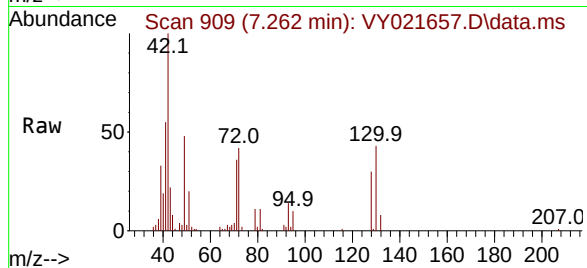
VSTDIC010

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

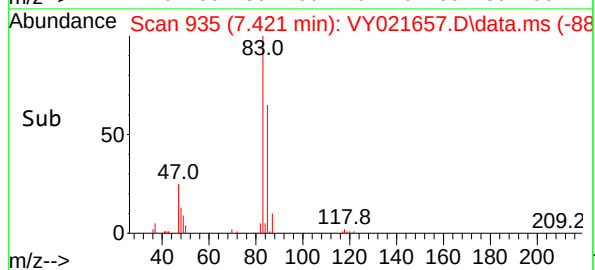
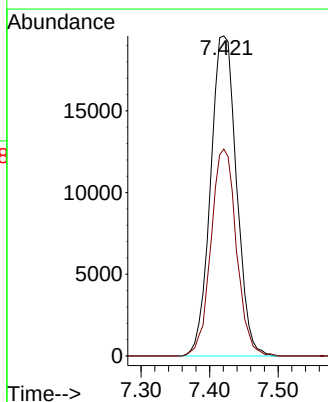
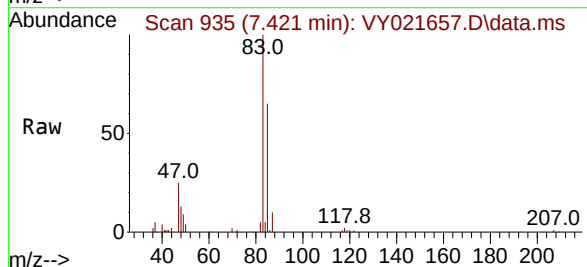
RT: 7.421 min Scan# 935

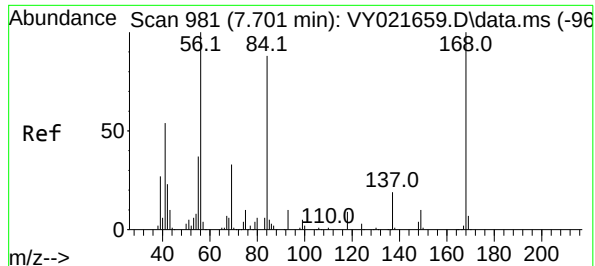
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

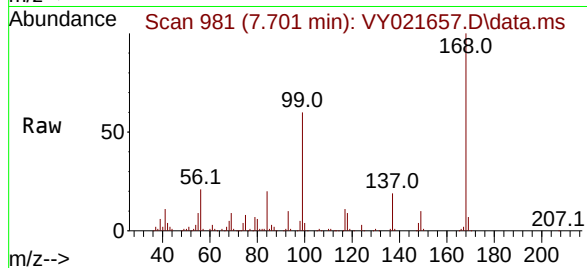
Tgt Ion:	83	Resp:	51464
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#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

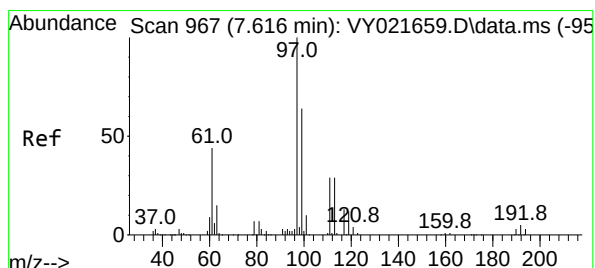
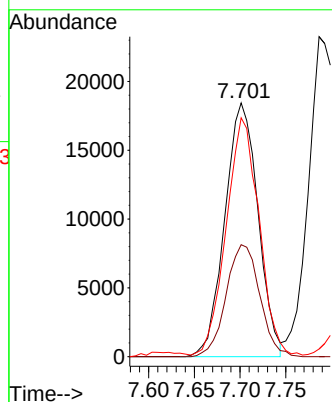
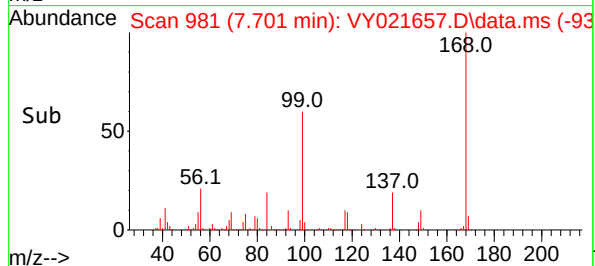
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

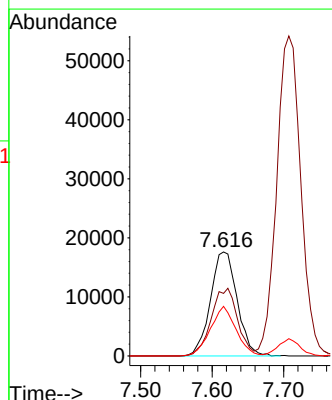
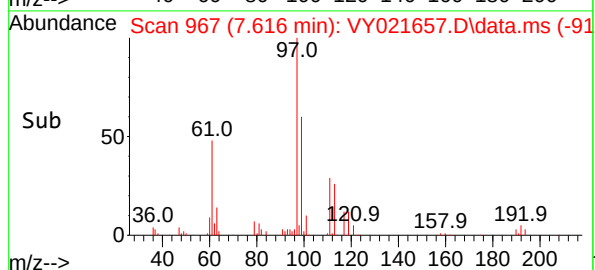
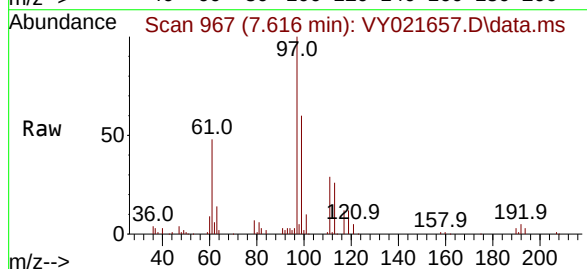
Manual Integrations
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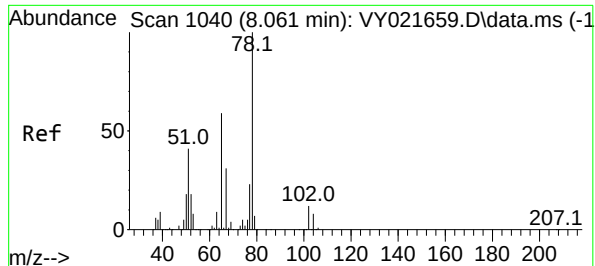
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

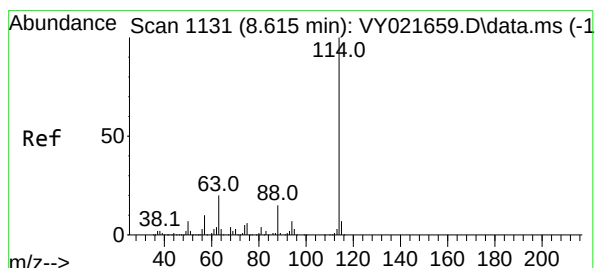
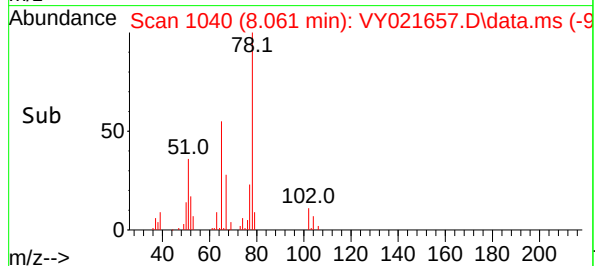
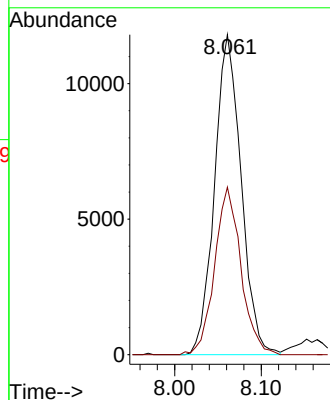
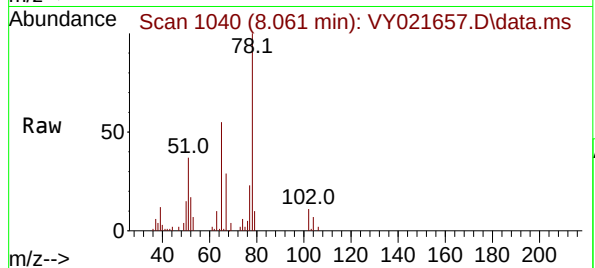
67 51.8 0.0 104.6

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

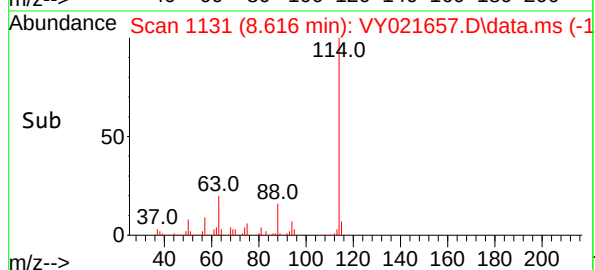
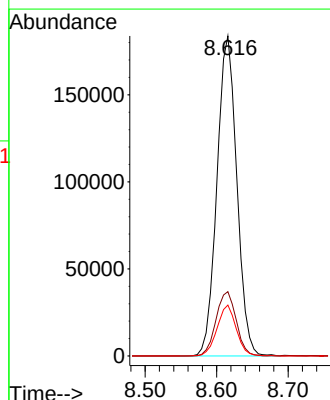
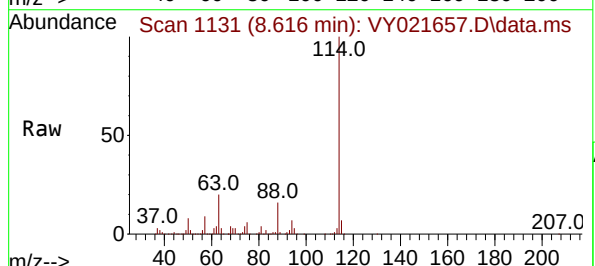
Tgt Ion:114 Resp: 354785

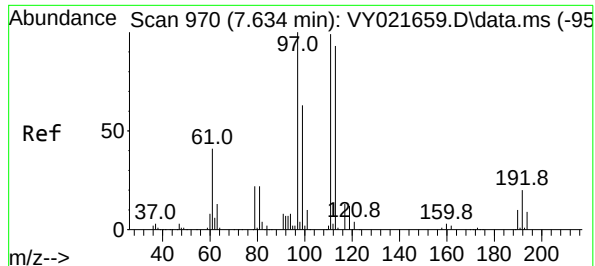
Ion Ratio Lower Upper

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 :

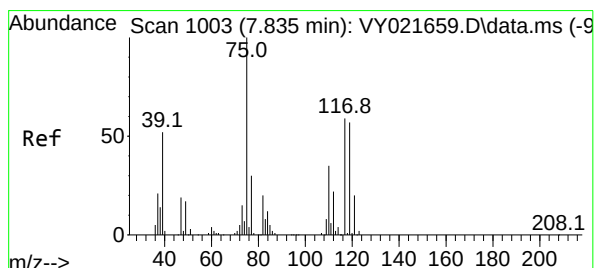
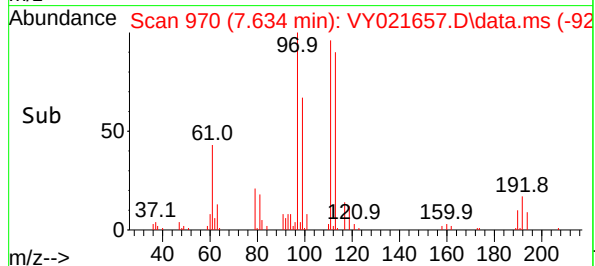
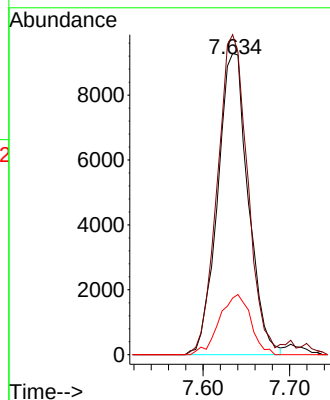
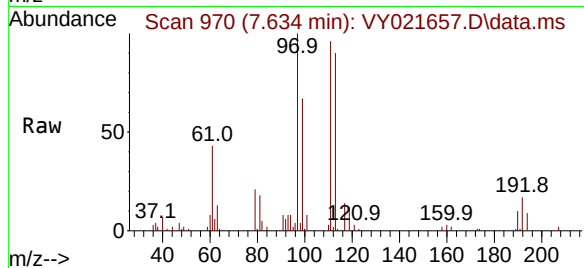
VSTDIC010

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

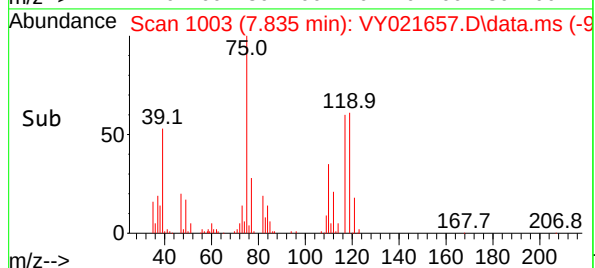
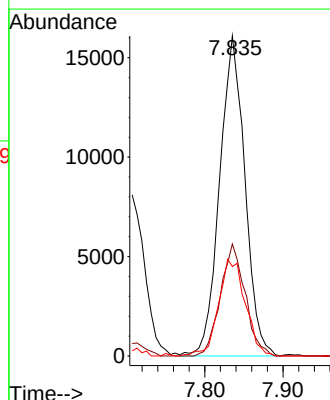
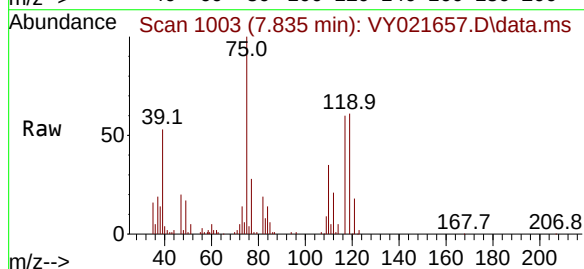
RT: 7.835 min Scan# 1003

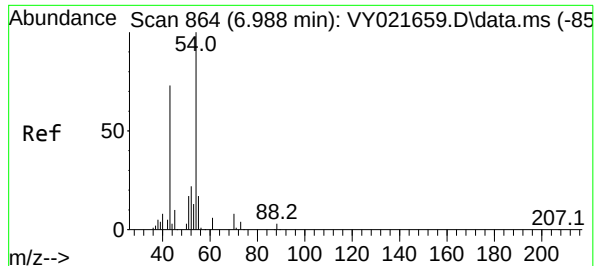
Delta R.T. 0.000 min

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 :

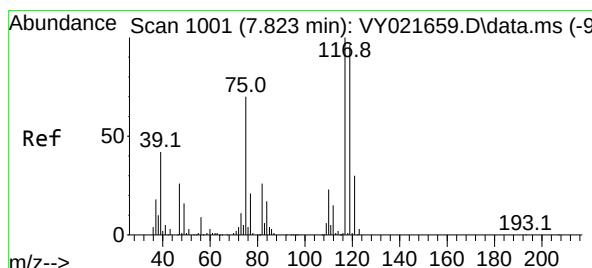
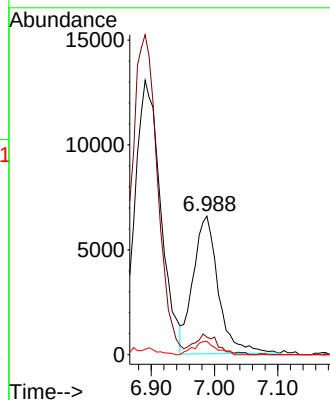
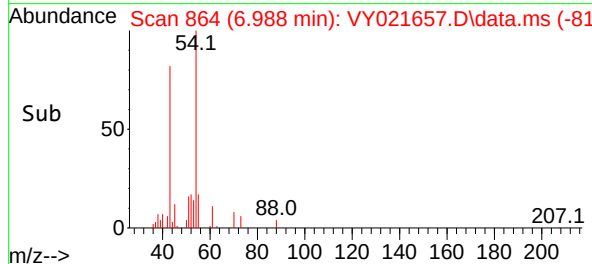
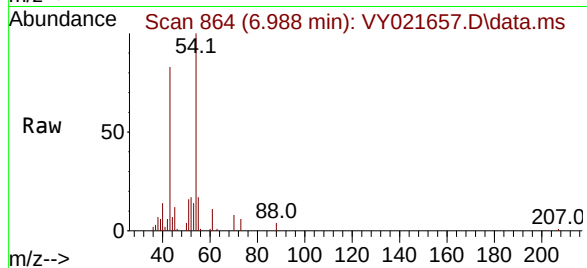
VSTDICC010

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

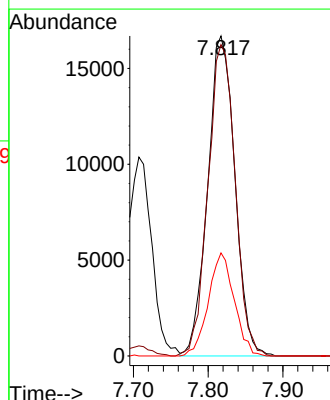
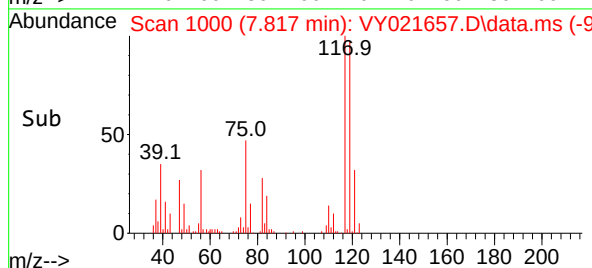
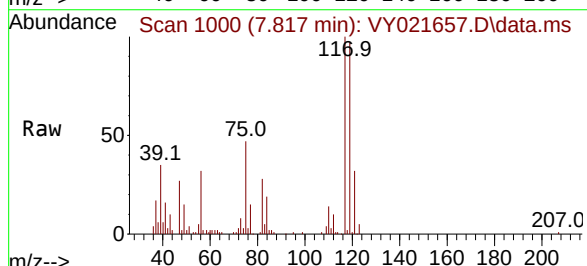
RT: 7.817 min Scan# 1000

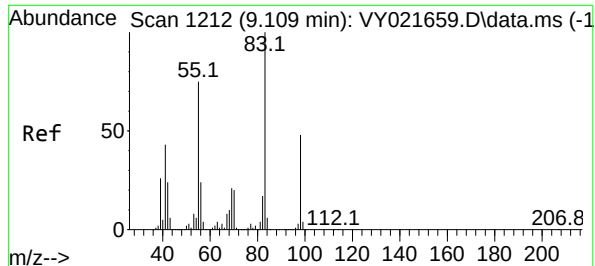
Delta R.T. -0.006 min

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 :

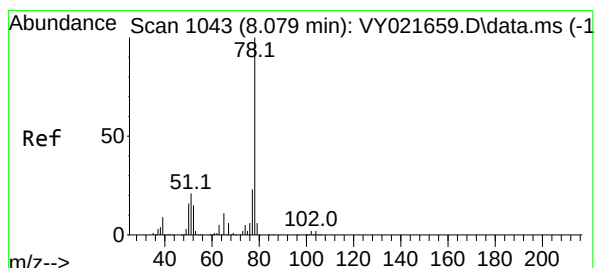
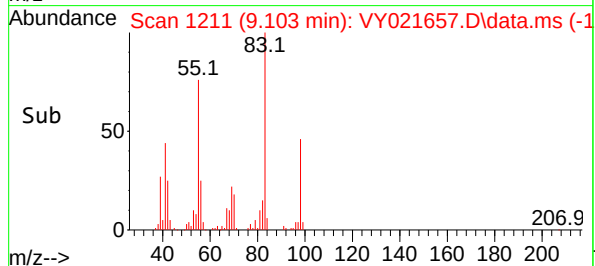
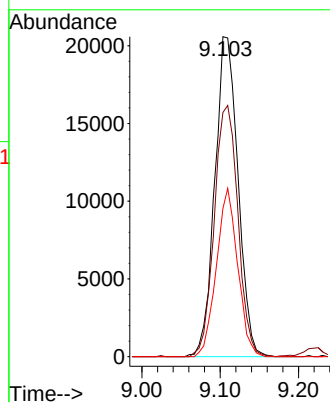
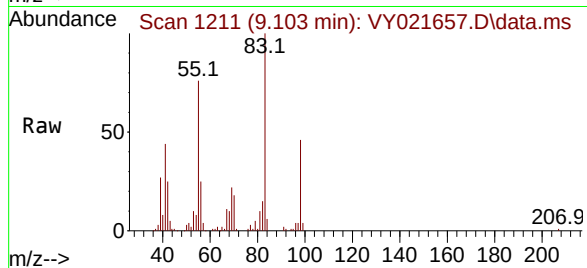
VSTDIC010

Tgt Ion	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

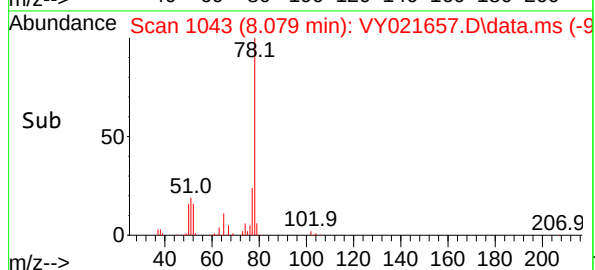
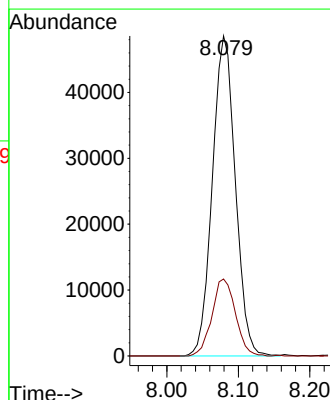
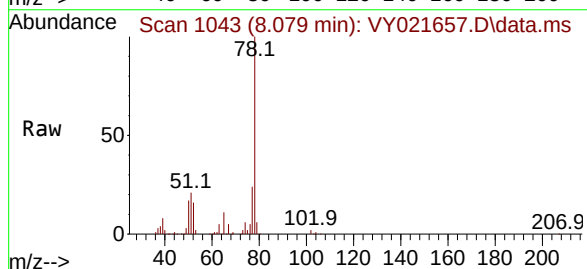
RT: 8.079 min Scan# 1043

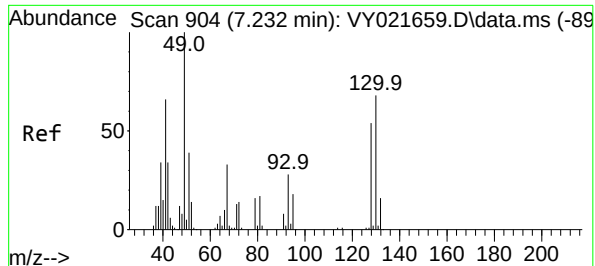
Delta R.T. 0.000 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





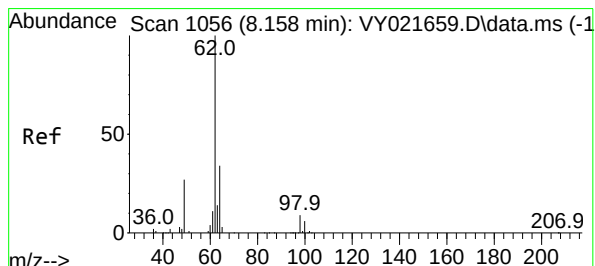
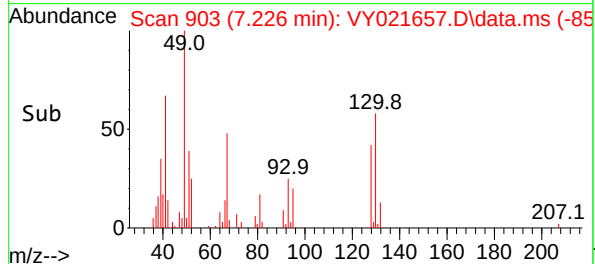
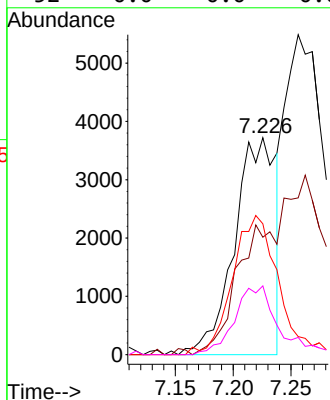
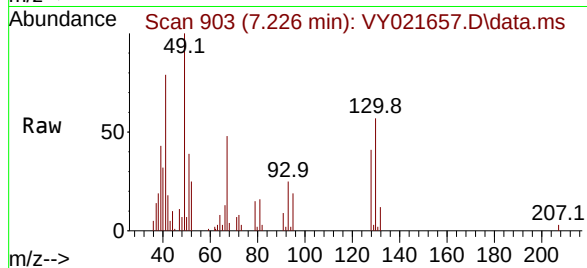
#41
Methacrylonitrile
Concen: 10.635 ug/l m
RT: 7.226 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

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

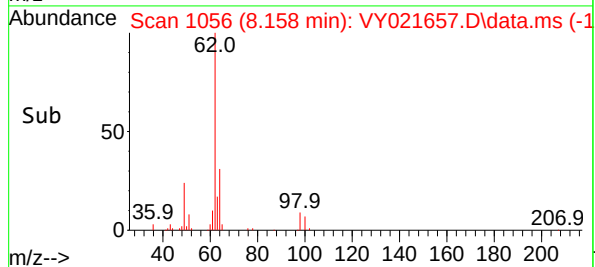
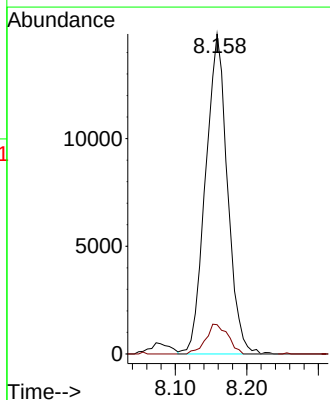
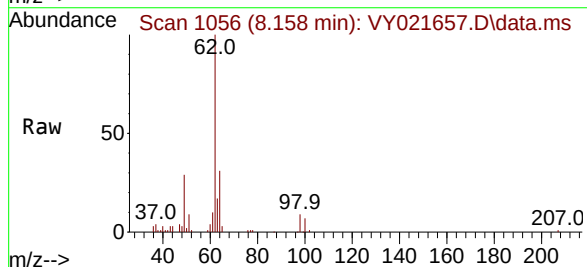
Manual Integrations
APPROVED

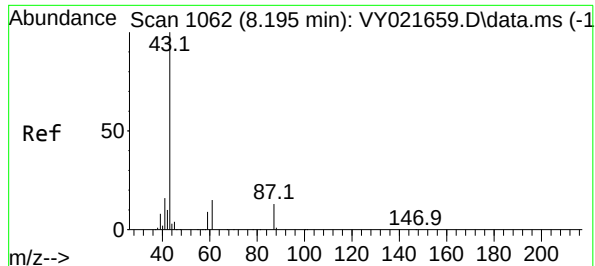
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

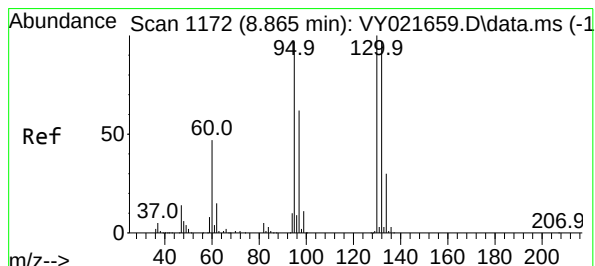
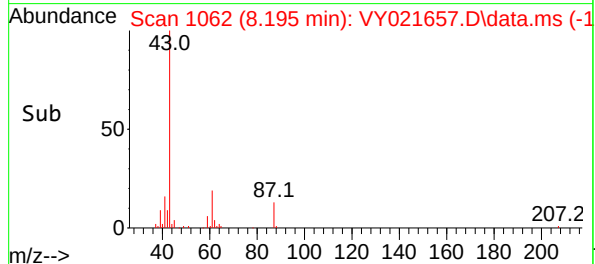
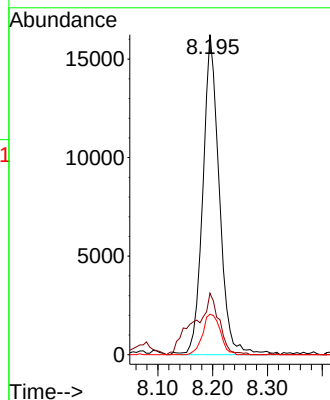
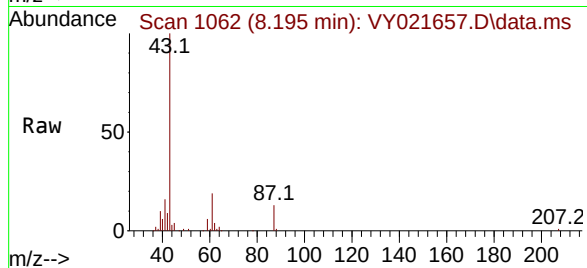
VSTDIC010

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

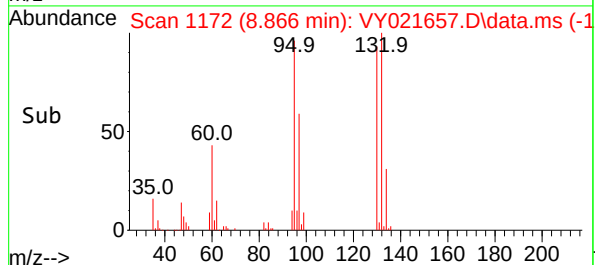
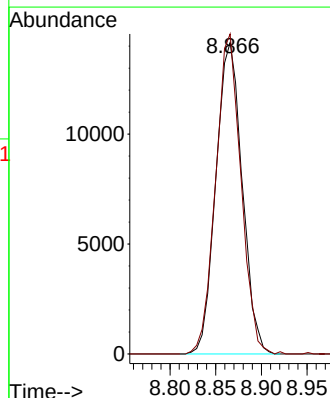
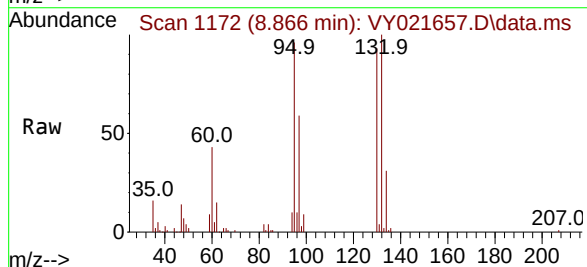
RT: 8.866 min Scan# 1172

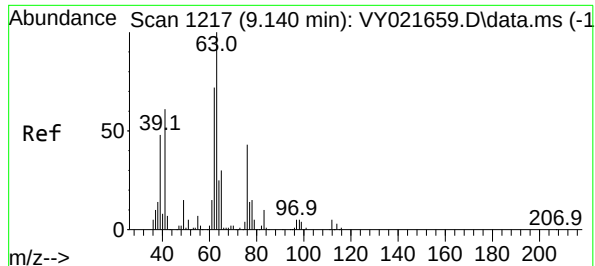
Delta R.T. 0.000 min

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

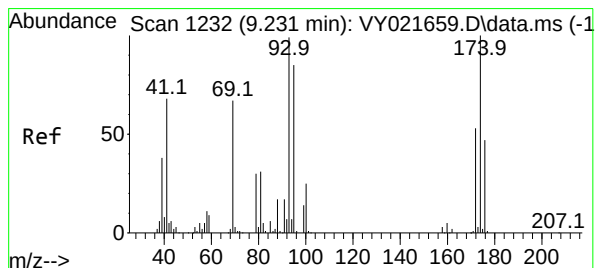
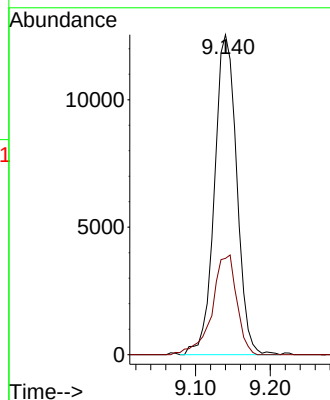
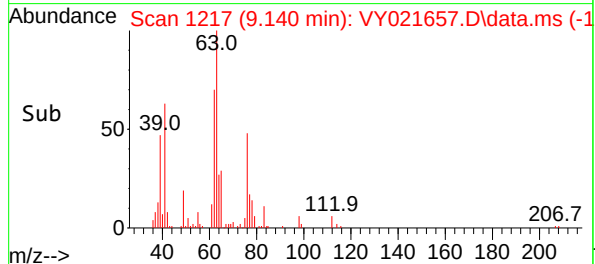
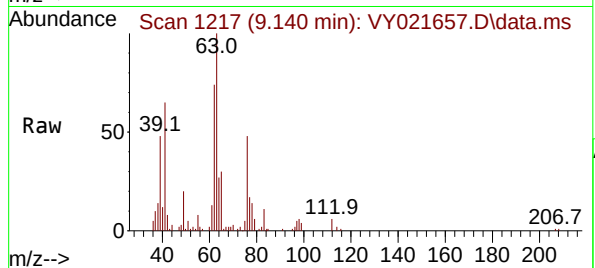
Ion Ratio Lower Upper

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

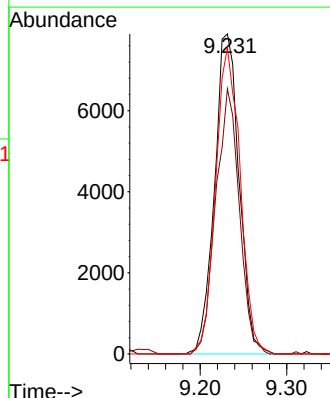
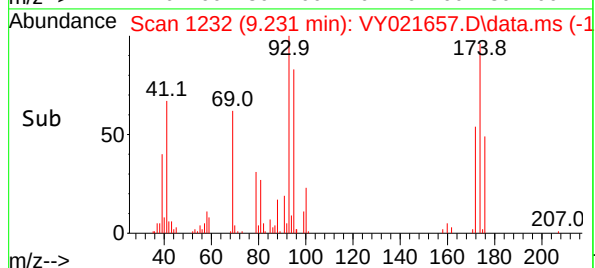
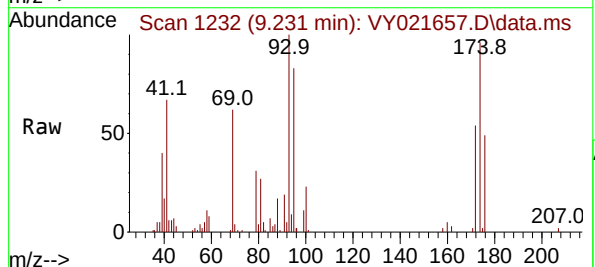
Tgt Ion: 93 Resp: 15605

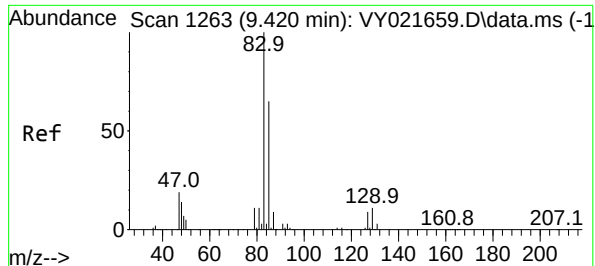
Ion Ratio Lower Upper

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# 1263

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

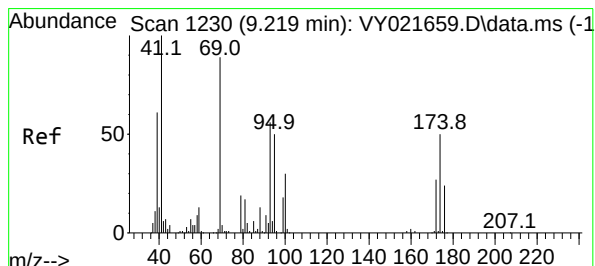
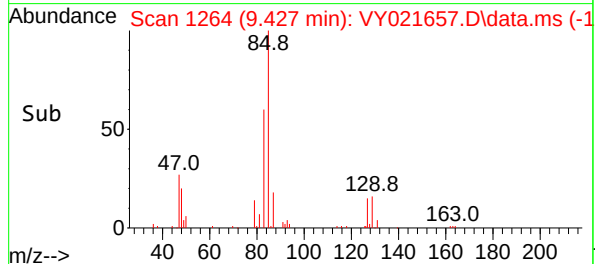
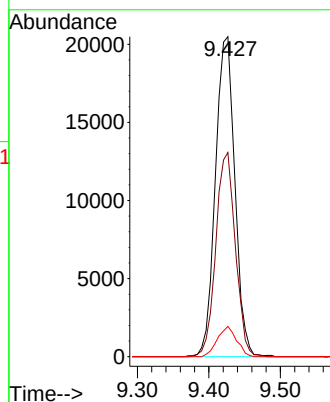
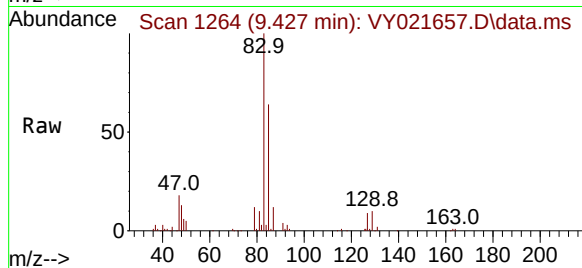
VSTDIC010

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

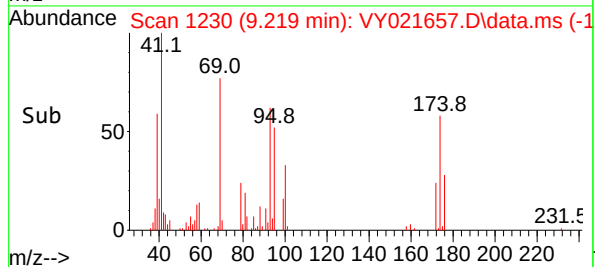
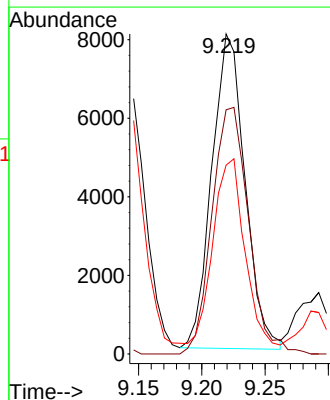
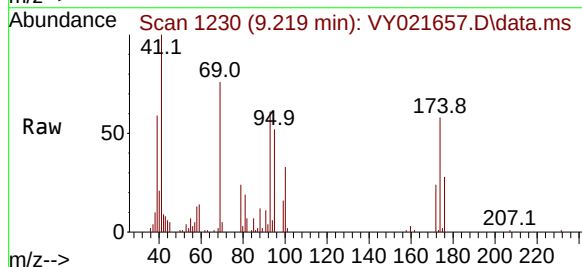
RT: 9.219 min Scan# 1230

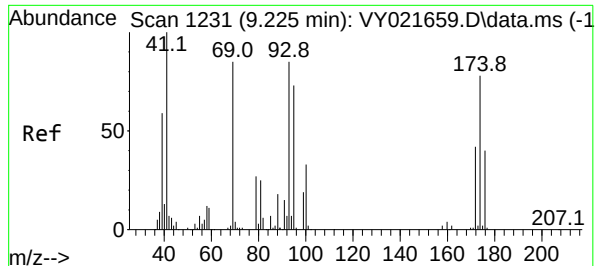
Delta R.T. 0.000 min

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# 1231

Delta R.T. 0.006 min

Lab File: VY021657.D

Acq: 27 Mar 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

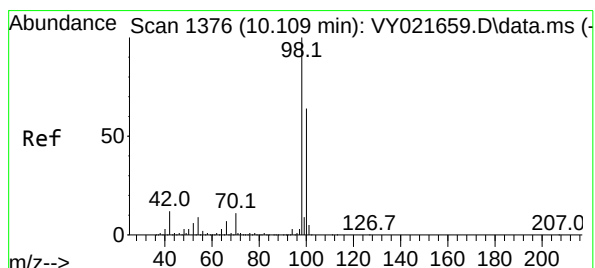
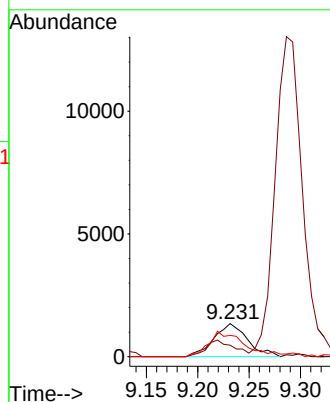
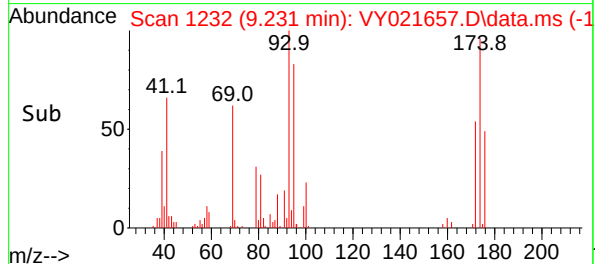
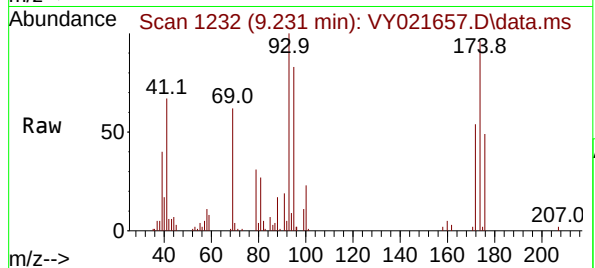
VSTDIC010

Tgt Ion:	88	Resp:	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

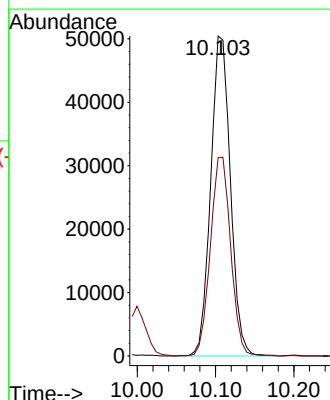
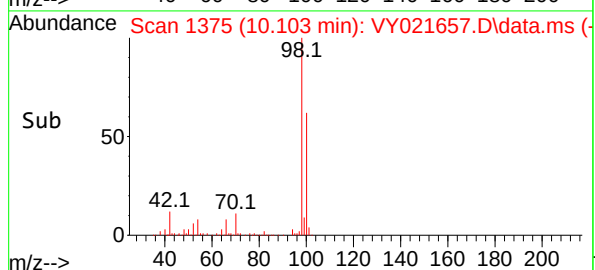
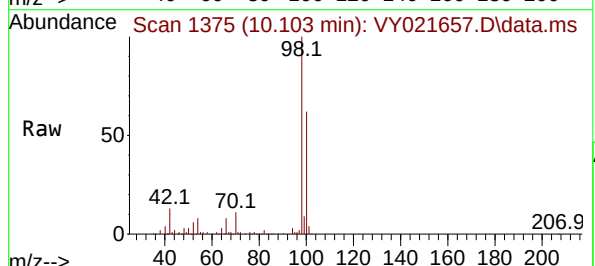
RT: 10.103 min Scan# 1375

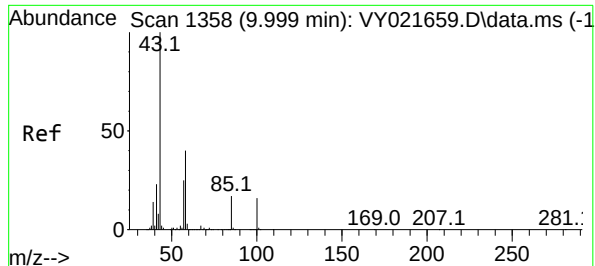
Delta R.T. -0.006 min

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





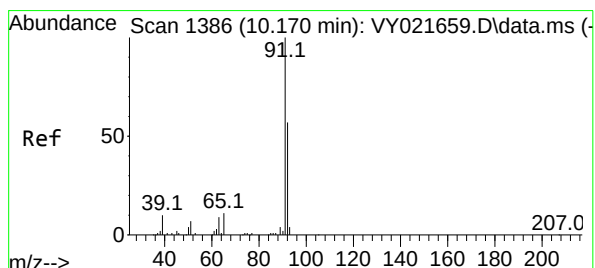
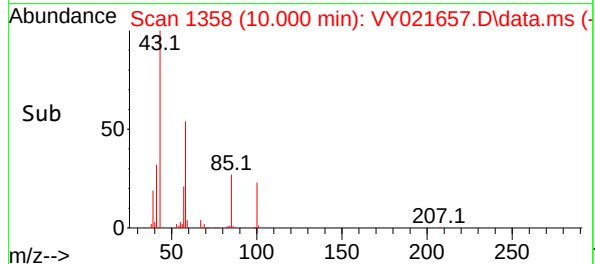
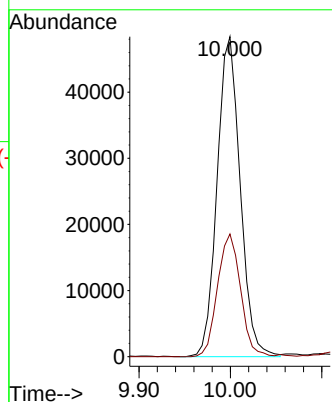
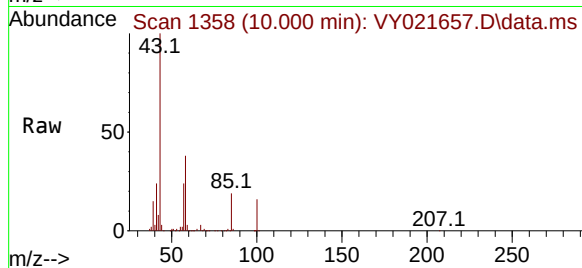
#51
4-Methyl-2-Pentanone
Concen: 52.111 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

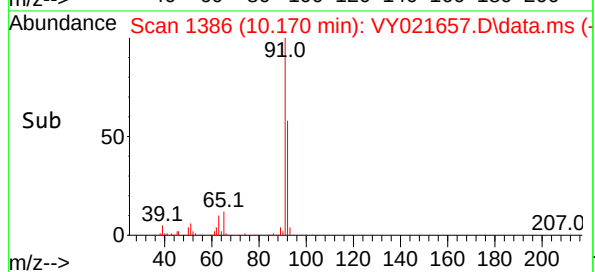
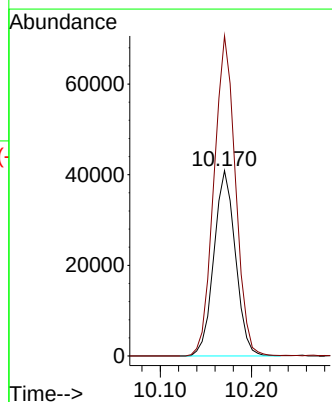
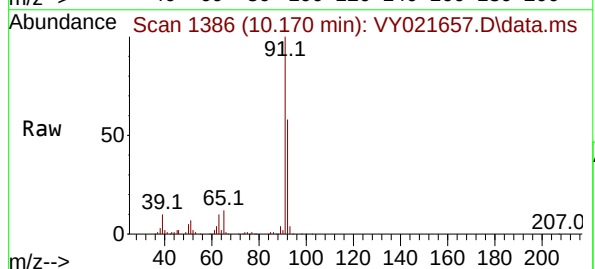
Manual Integrations
APPROVED

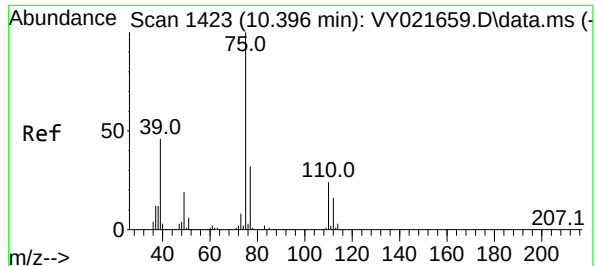
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

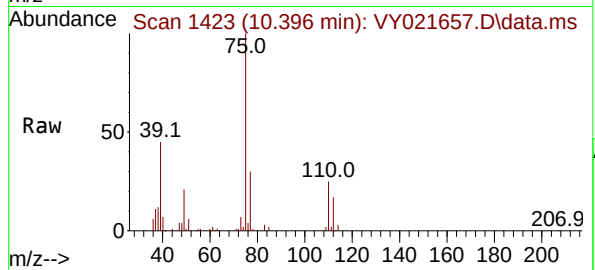
Tgt Ion: 92 Resp: 66889
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





#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

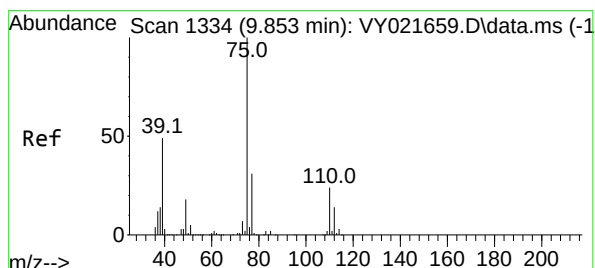
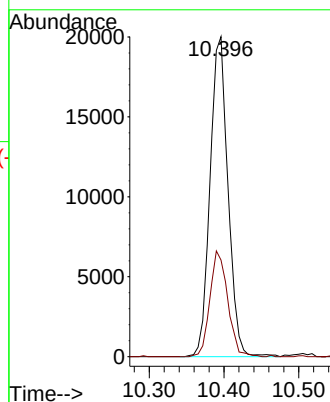
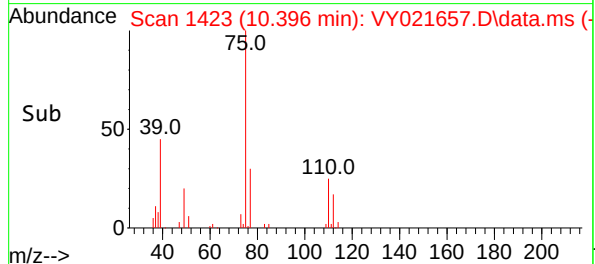
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

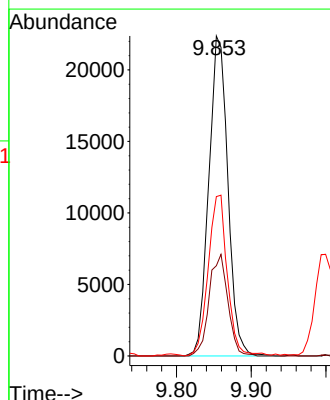
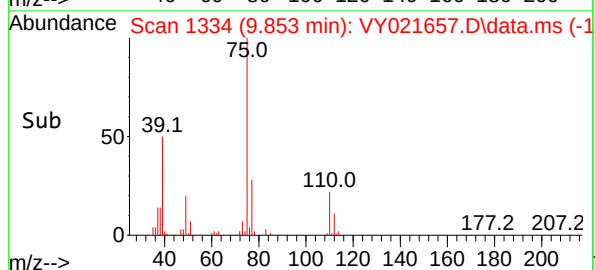
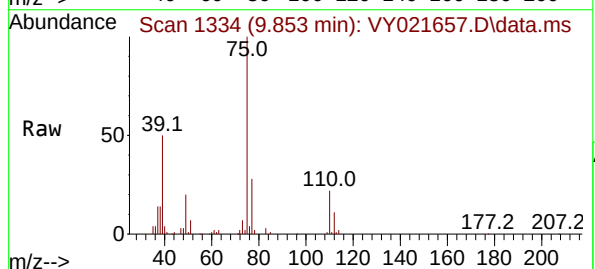
Manual Integrations
APPROVED

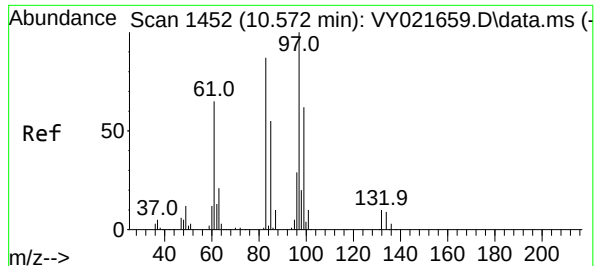
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

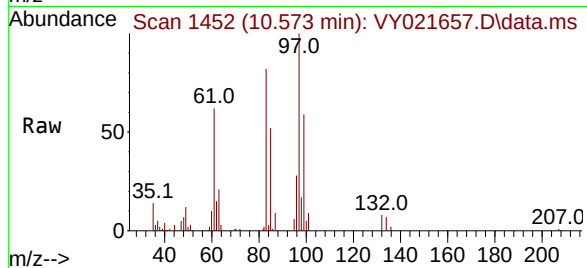
Tgt Ion: 75 Resp: 39609
Ion Ratio Lower Upper
75 100
77 28.2 24.9 37.3
39 49.6 39.2 58.8





#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

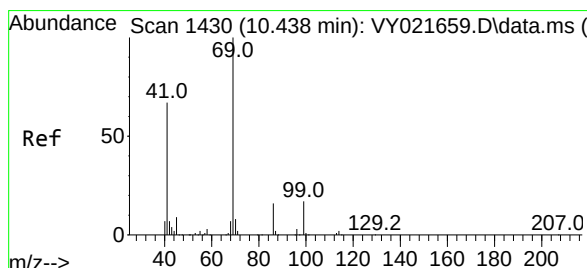
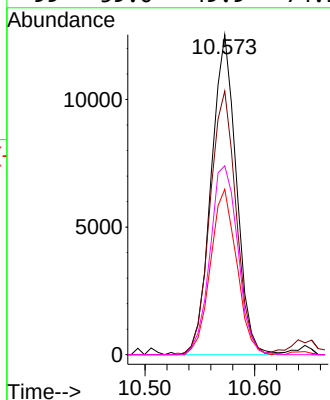
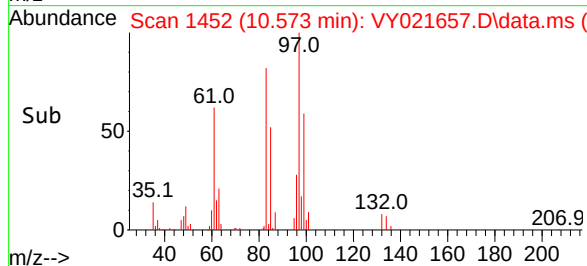
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



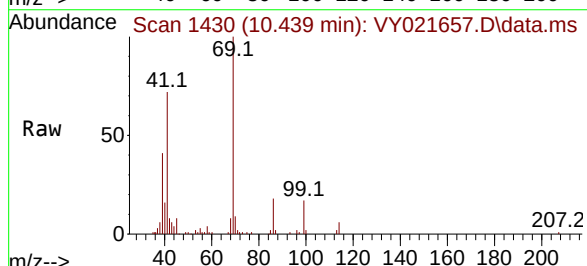
Tgt Ion: 97 Resp: 20050
Ion Ratio Lower Upper
97 100
83 82.4 69.5 104.3
85 51.3 43.9 65.9
99 59.0 49.9 74.9

Manual Integrations
APPROVED

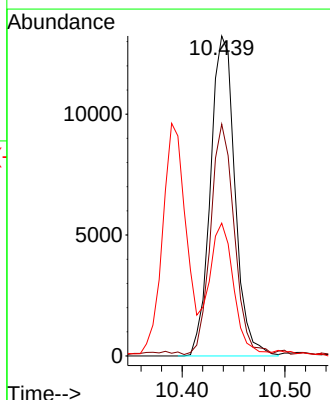
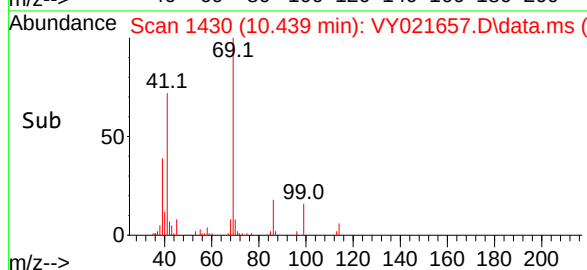
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

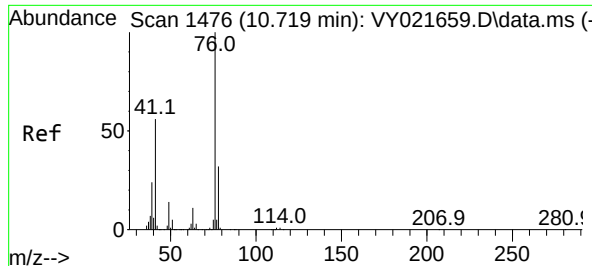


#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



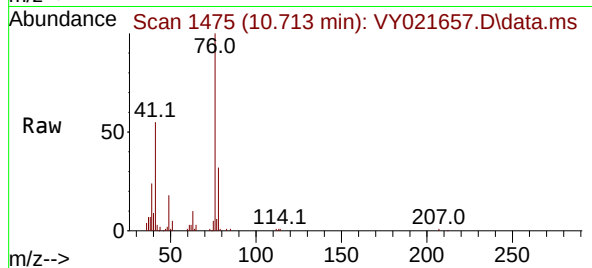
Tgt Ion: 69 Resp: 21901
Ion Ratio Lower Upper
69 100
41 70.1 53.8 80.6
39 40.2 29.6 44.4





#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

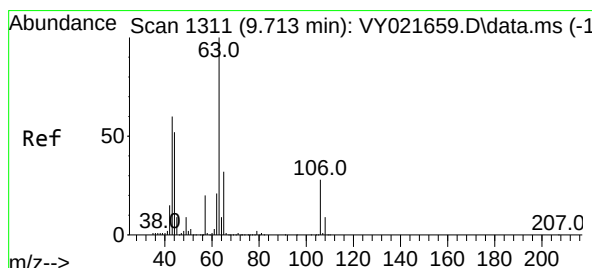
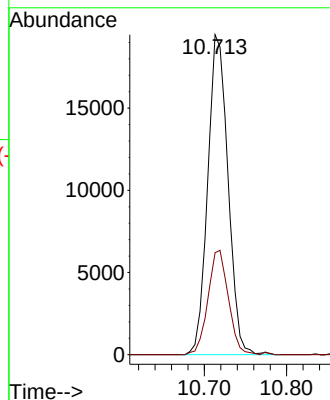
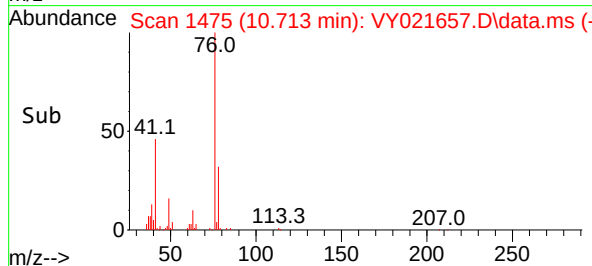
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

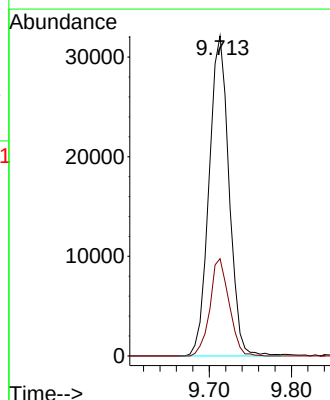
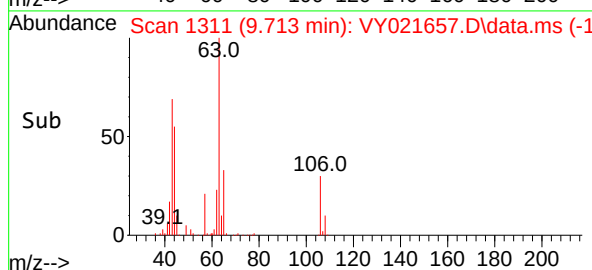
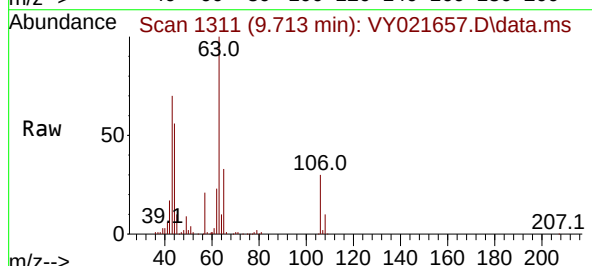
Manual Integrations
APPROVED

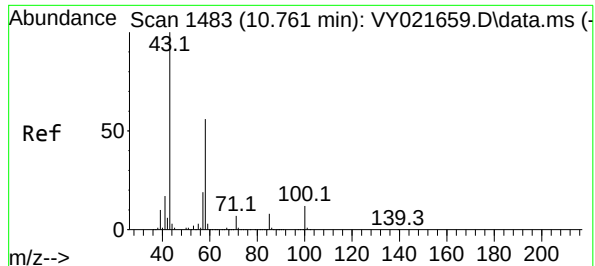
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

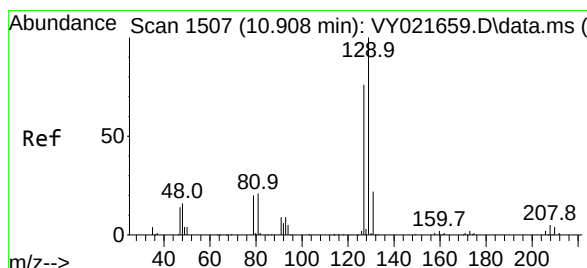
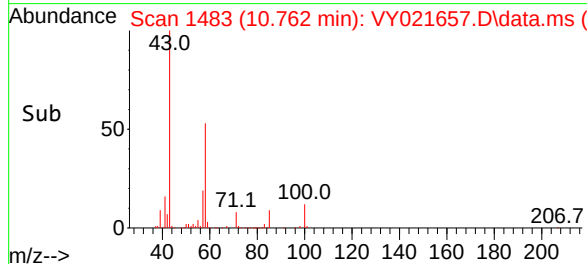
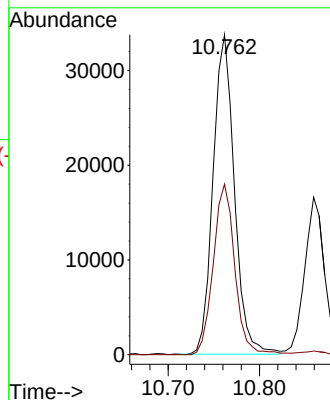
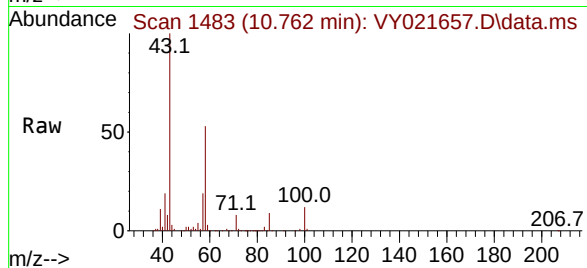
58 54.0 27.2 81.5

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

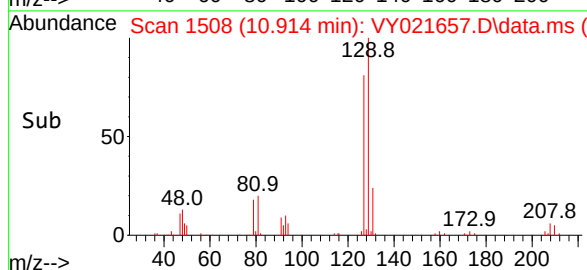
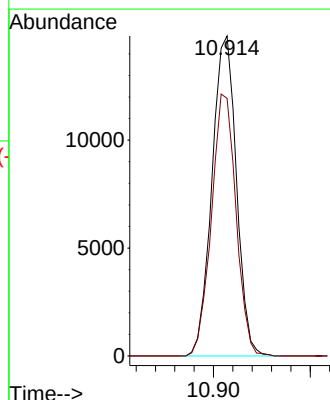
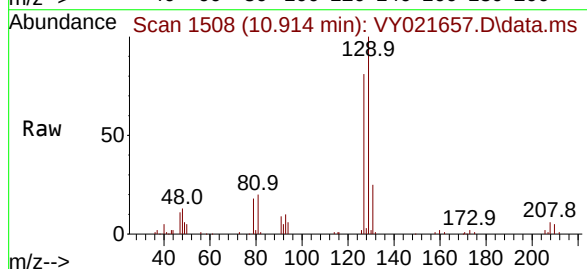
Acq: 27 Mar 2025 10:31

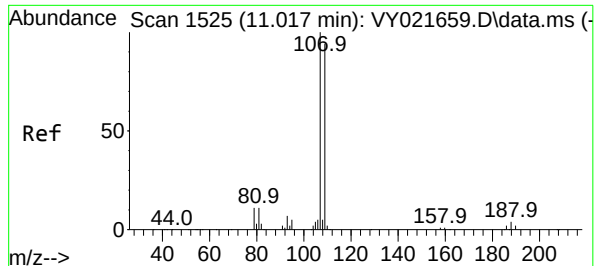
Tgt Ion:129 Resp: 26032

Ion Ratio Lower Upper

129 100

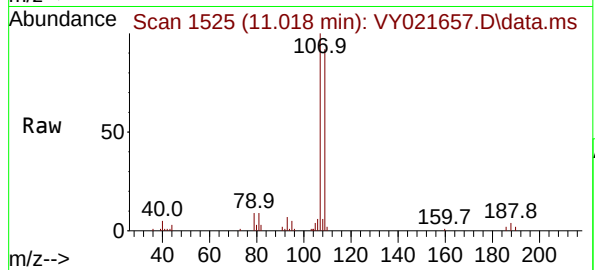
127 82.2 38.6 115.7





#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

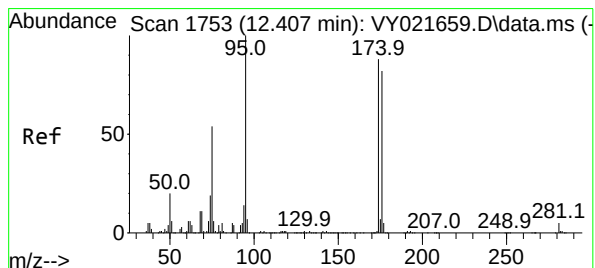
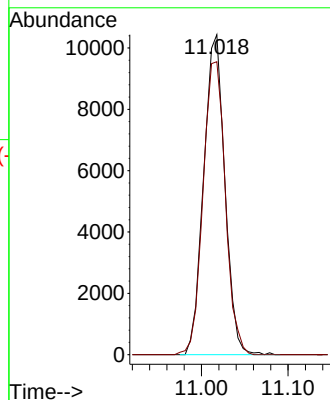
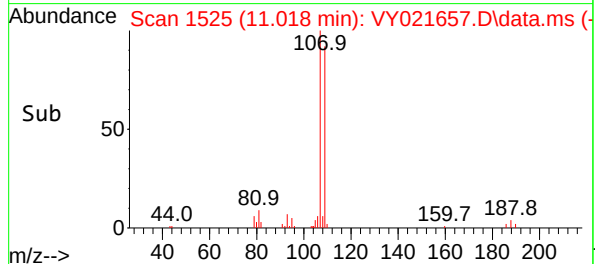
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

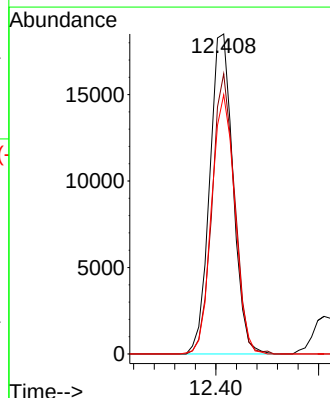
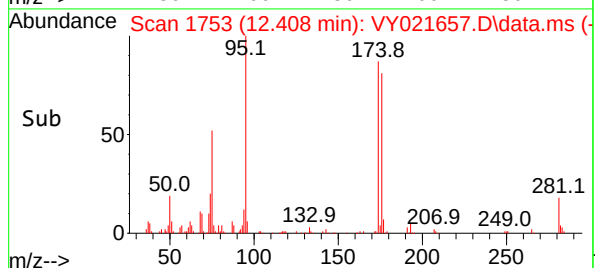
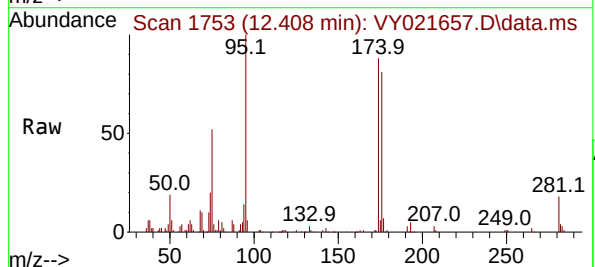
Manual Integrations
APPROVED

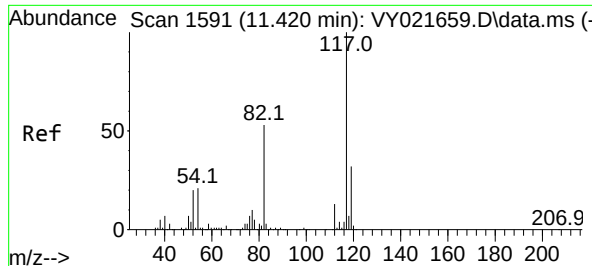
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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# 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: 31173

Ion Ratio Lower Upper

117 100

82 57.2 42.8 64.2

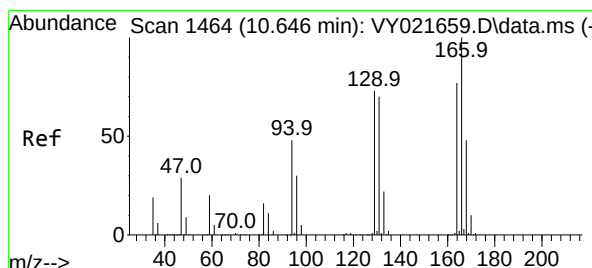
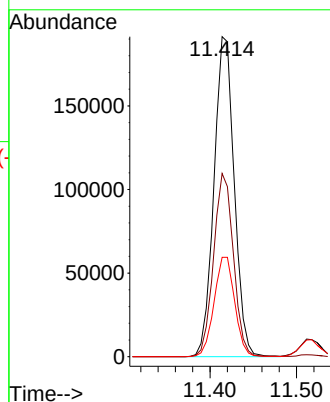
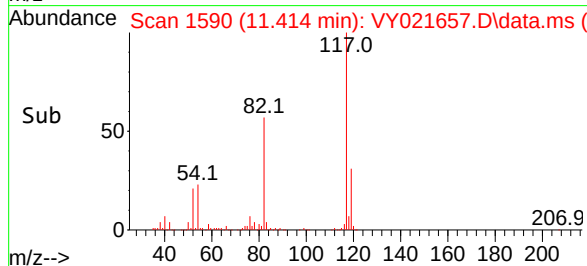
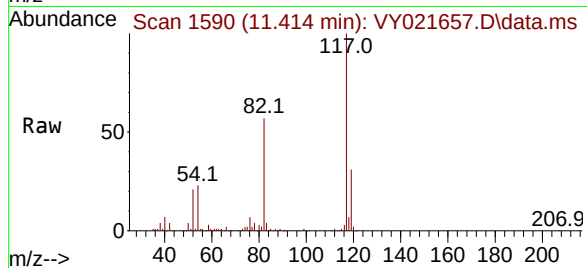
119 31.0 25.7 38.5

Manual Integrations

APPROVED

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

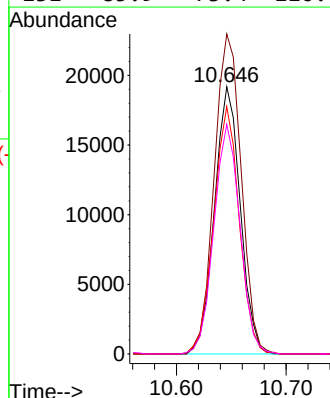
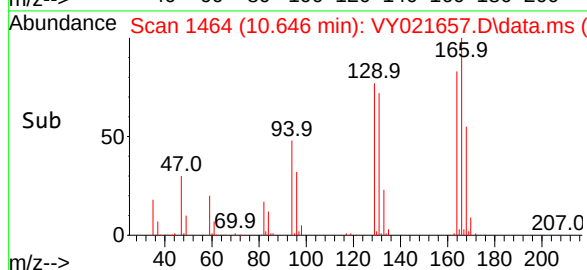
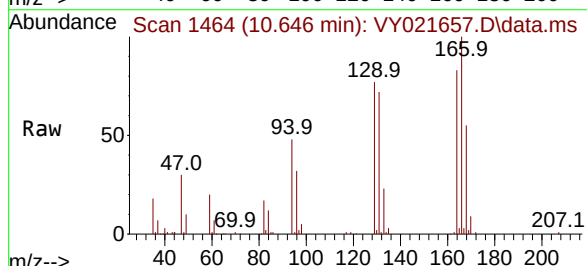
Ion Ratio Lower Upper

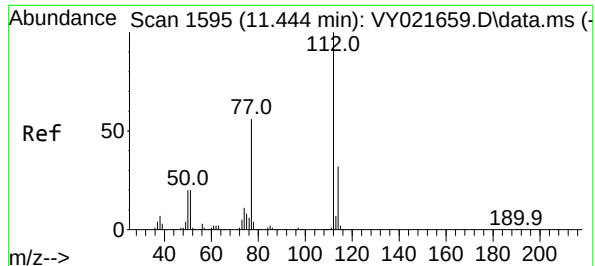
164 100

166 119.8 104.6 156.8

129 92.6 76.6 114.8

131 85.9 73.4 110.0





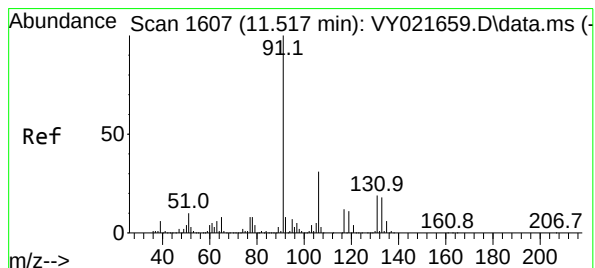
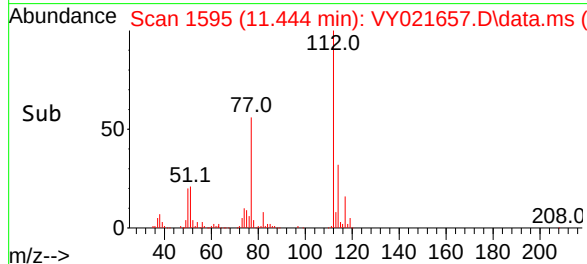
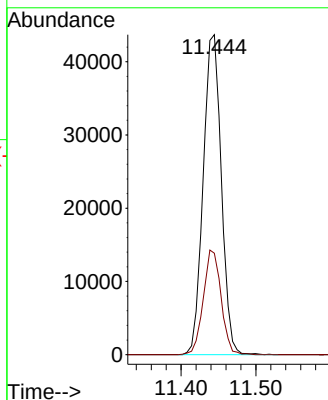
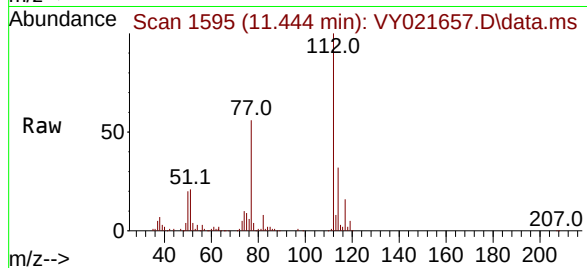
#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

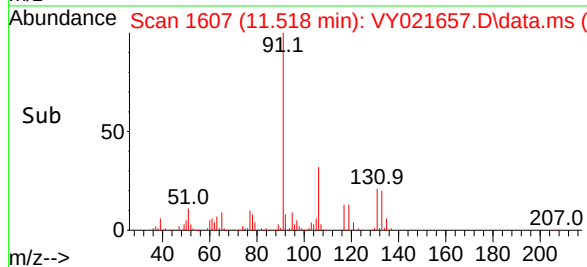
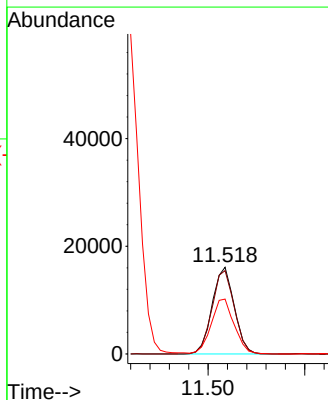
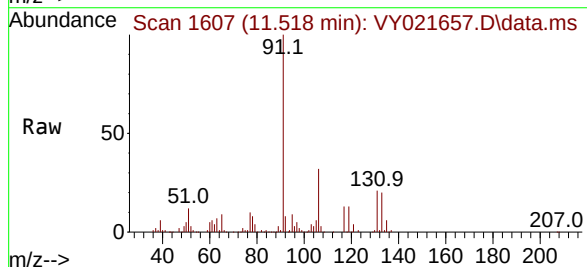
Manual Integrations
APPROVED

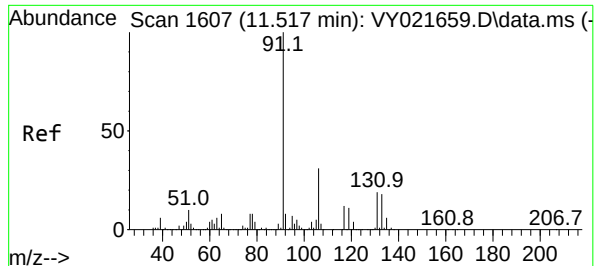
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 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 :

VSTDIC010

Tgt Ion: 91 Resp: 119480

Ion Ratio Lower Upper

91 100

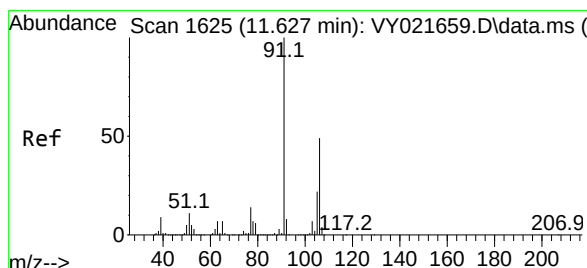
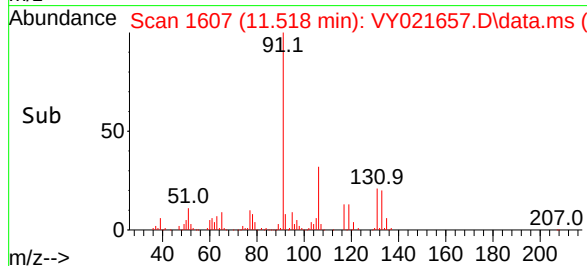
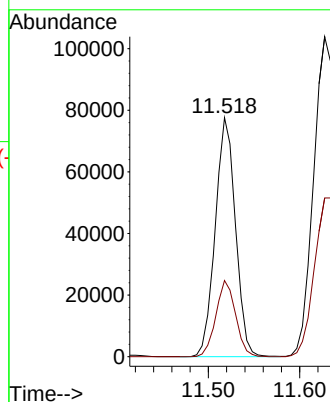
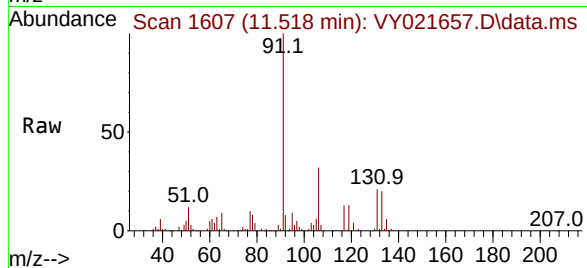
106 31.8 24.6 36.8

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

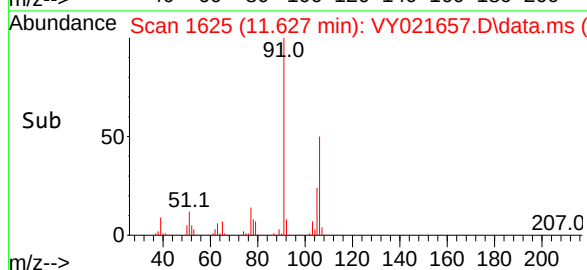
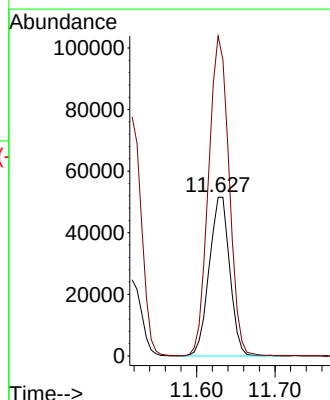
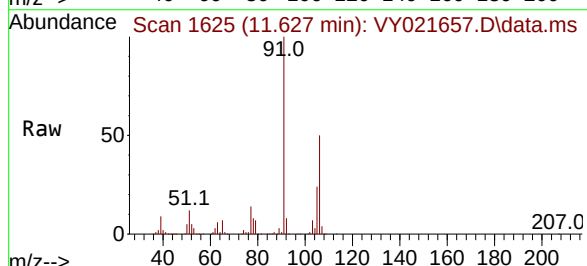
Acq: 27 Mar 2025 10:31

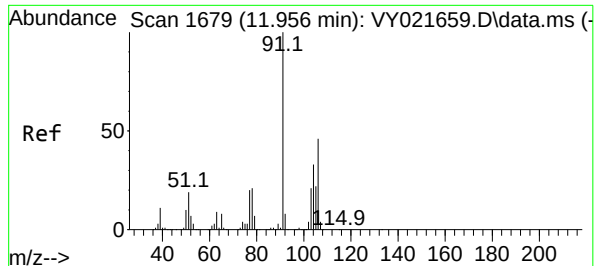
Tgt Ion:106 Resp: 93887

Ion Ratio Lower Upper

106 100

91 201.5 162.4 243.6





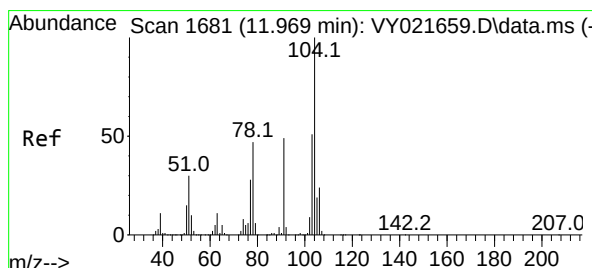
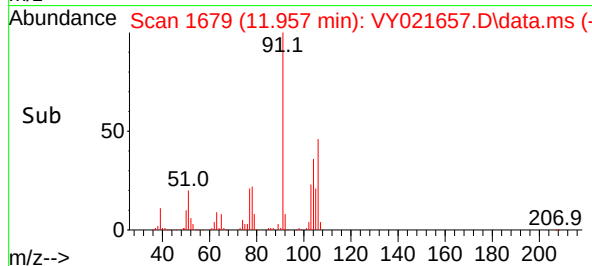
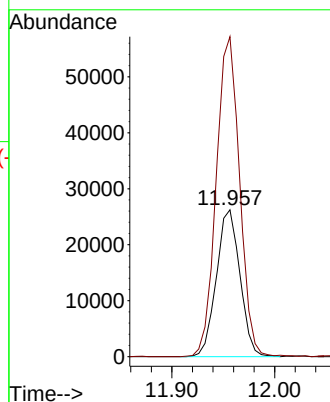
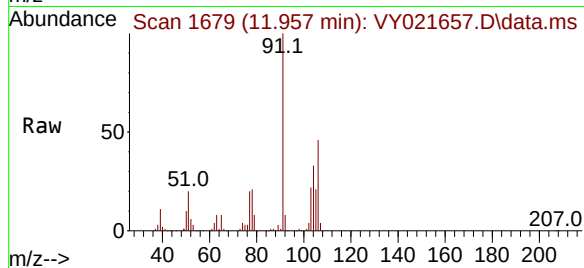
#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

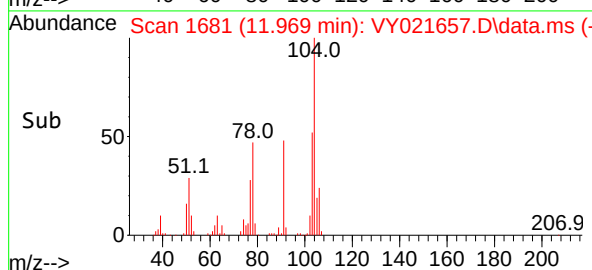
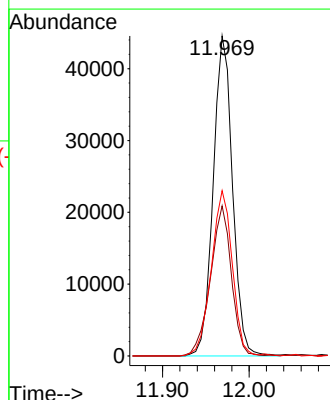
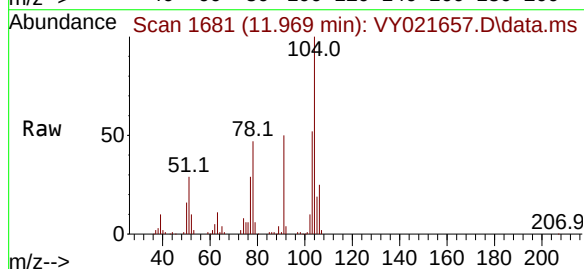
Manual Integrations
APPROVED

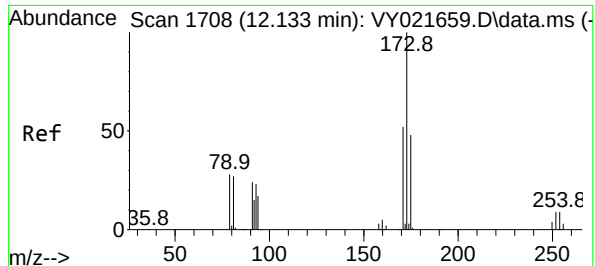
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

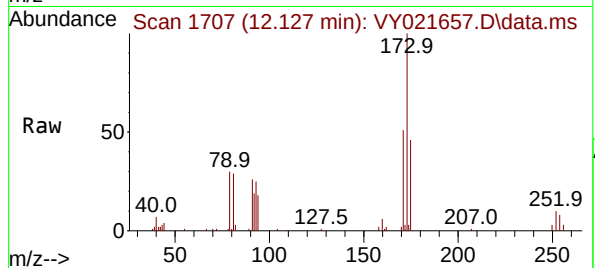
Tgt Ion:104 Resp: 69196
Ion Ratio Lower Upper
104 100
78 50.7 40.8 61.2
103 56.1 44.2 66.2





#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

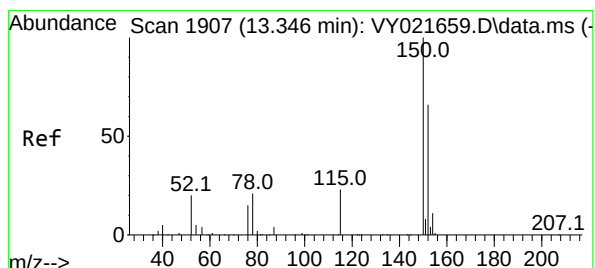
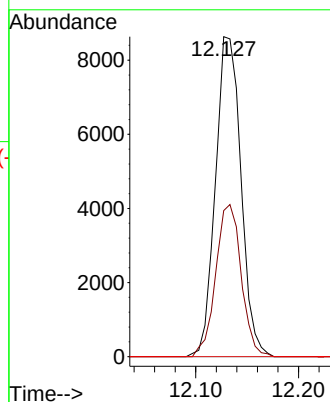
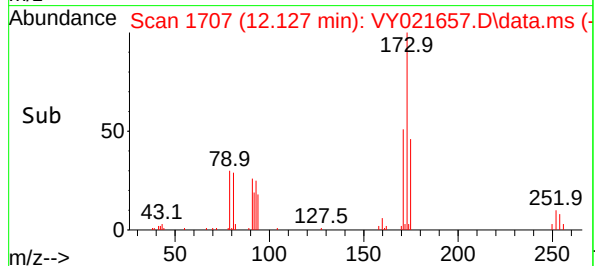
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



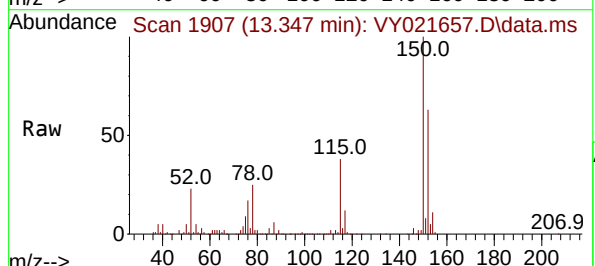
Tgt Ion:173 Resp: 1488
Ion Ratio Lower Upper
173 100
175 47.5 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

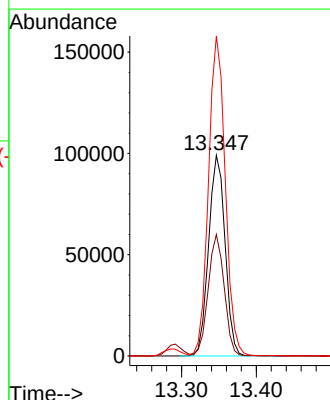
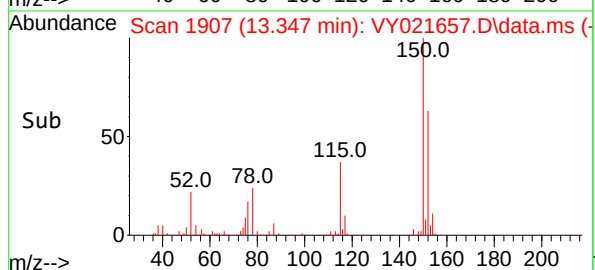
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

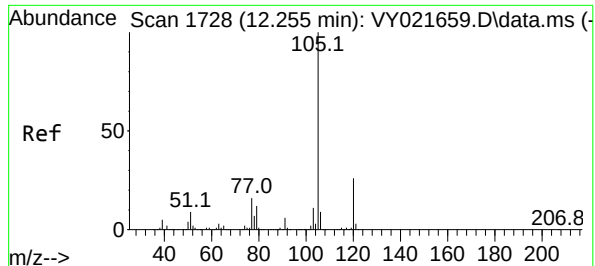


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31



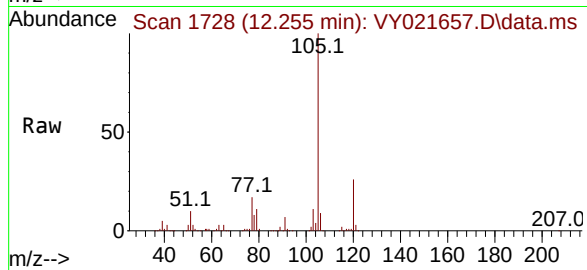
Tgt Ion:152 Resp: 152005
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 161.6 0.0 348.4





#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

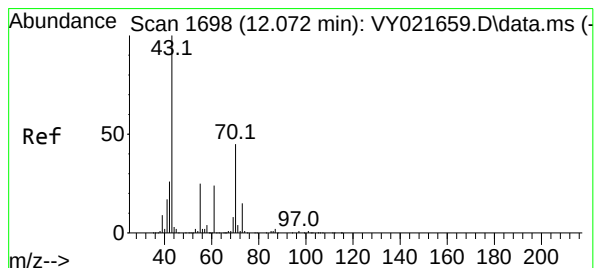
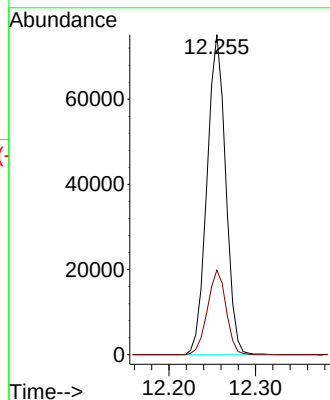
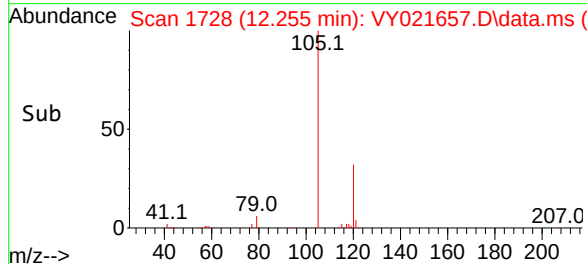
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

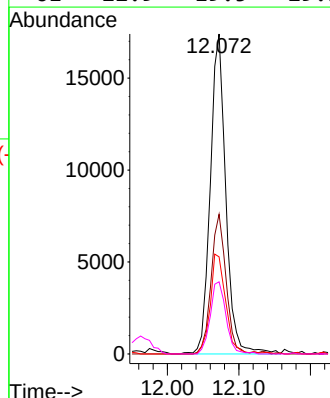
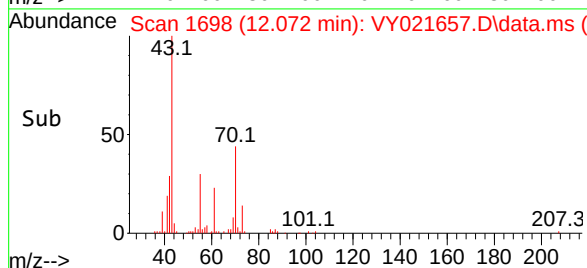
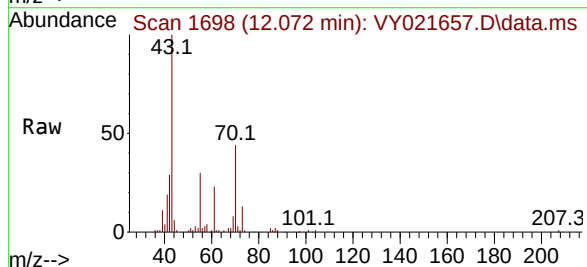
Manual Integrations
APPROVED

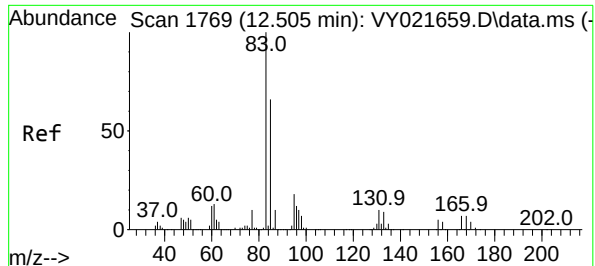
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





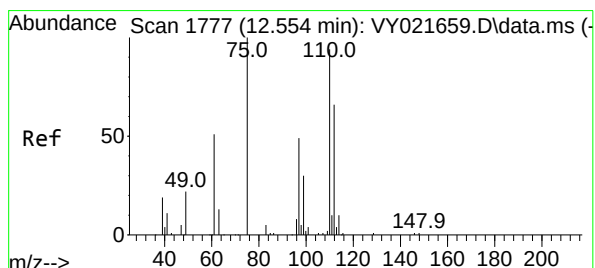
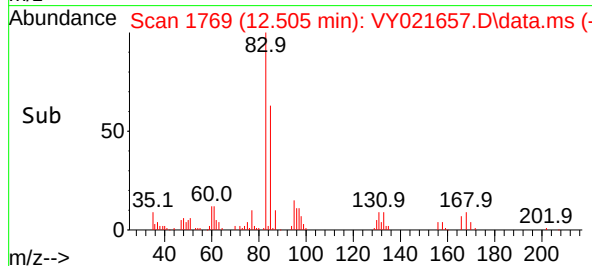
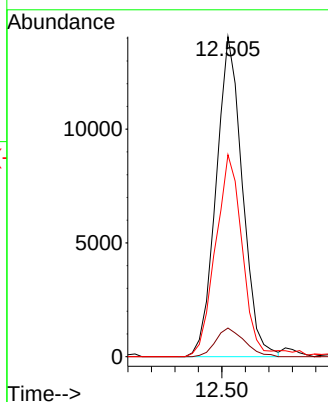
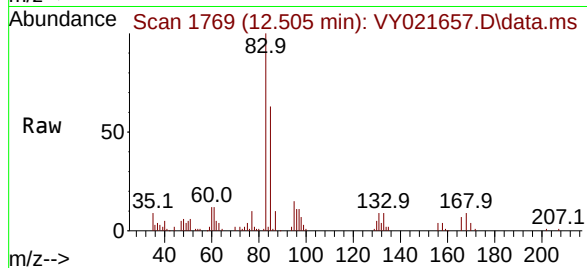
#75
1,1,2,2-Tetrachloroethane
Concen: 10.781 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

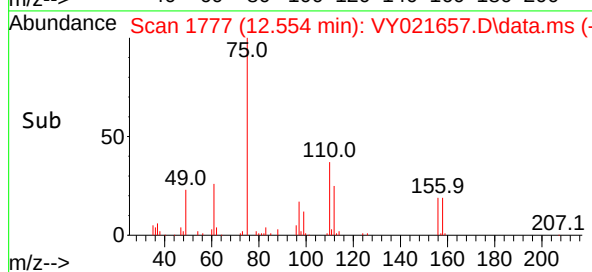
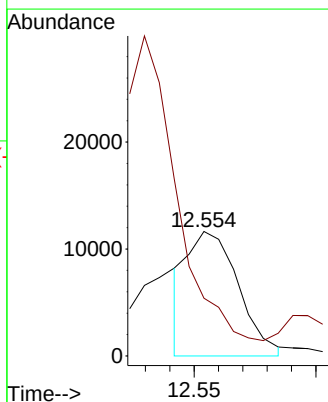
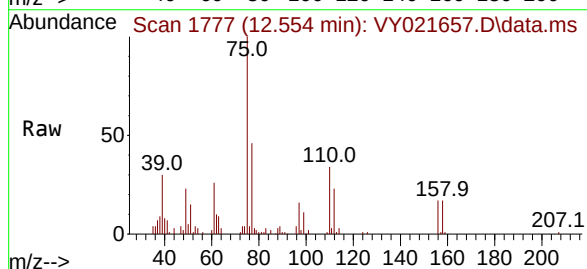
Manual Integrations
APPROVED

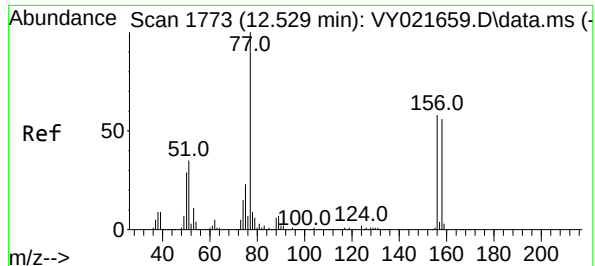
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

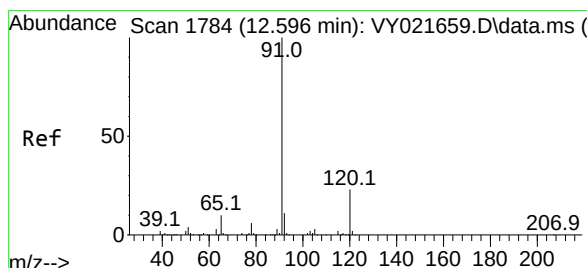
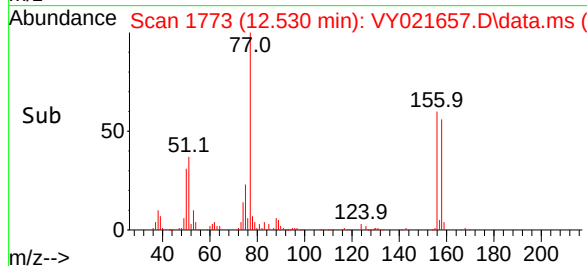
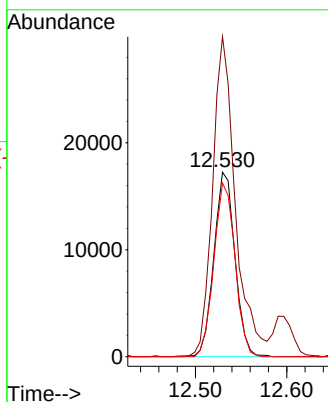
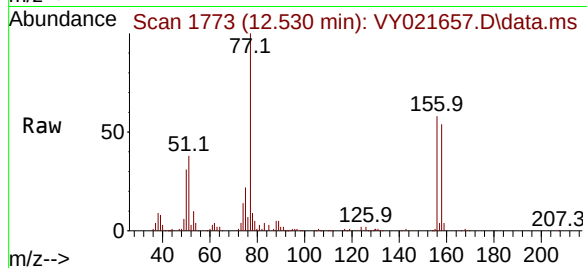
VSTDIC010

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

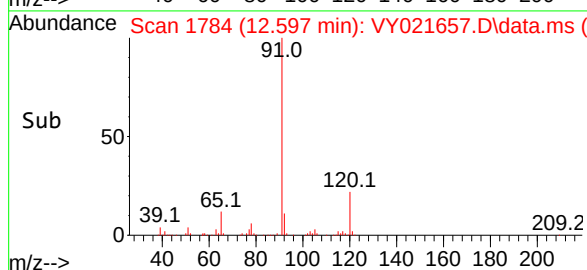
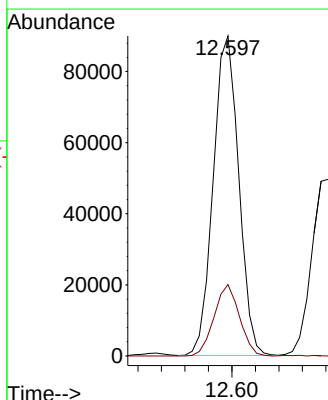
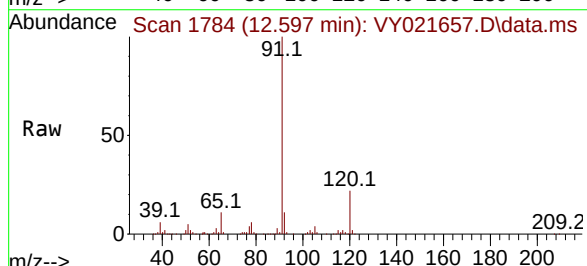
RT: 12.597 min Scan# 1784

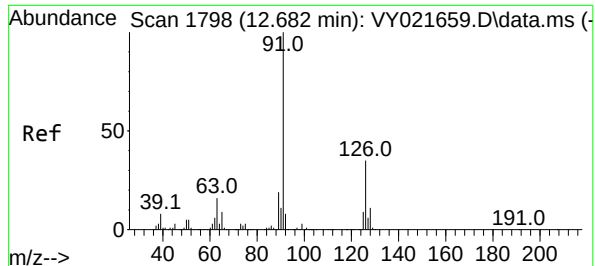
Delta R.T. 0.000 min

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





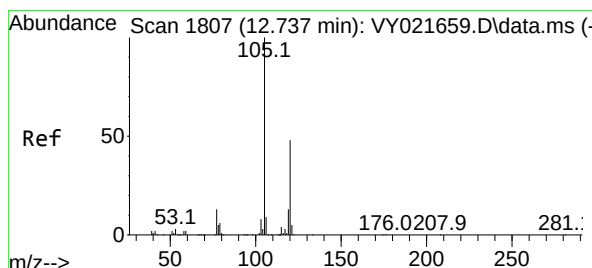
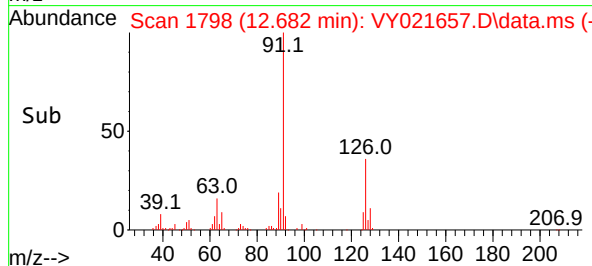
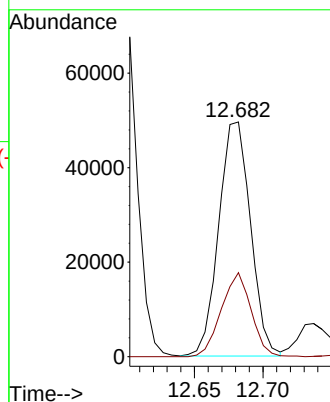
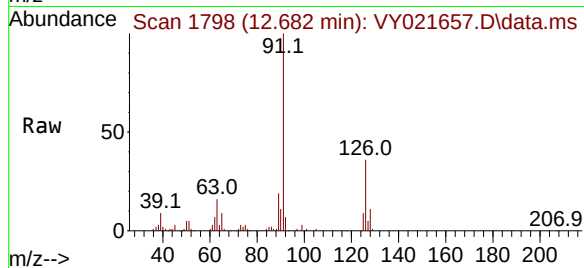
#79
2-Chlorotoluene
Concen: 10.158 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 80079
Ion Ratio Lower Upper
91 100
126 33.6 17.3 52.0

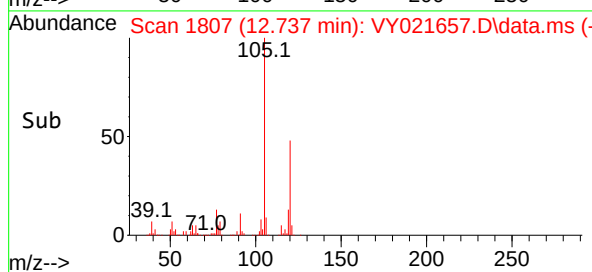
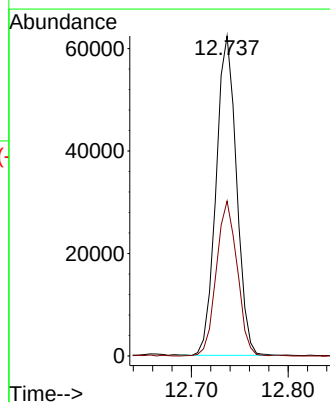
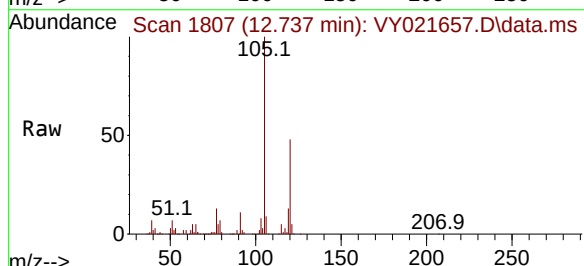
Manual Integrations
APPROVED

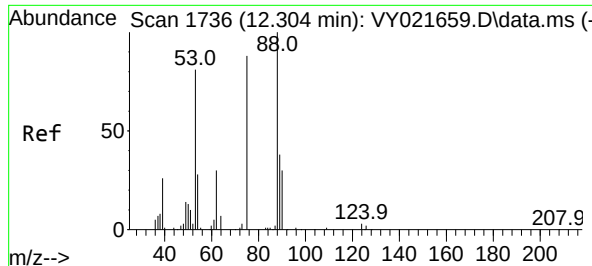
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

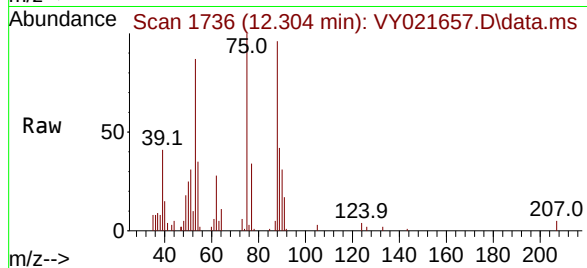
Tgt Ion:105 Resp: 91235
Ion Ratio Lower Upper
105 100
120 49.6 24.5 73.5





#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

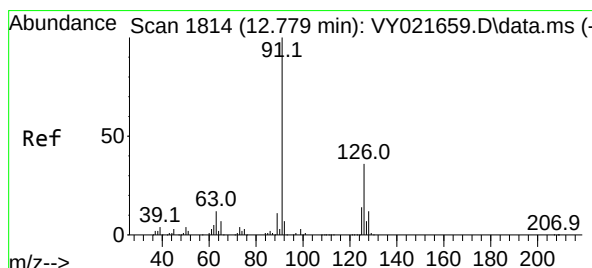
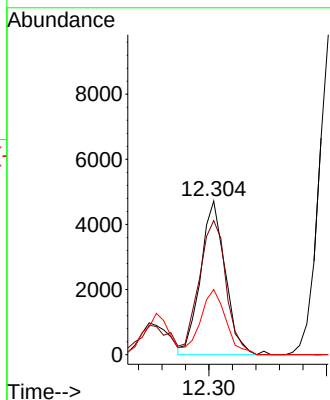
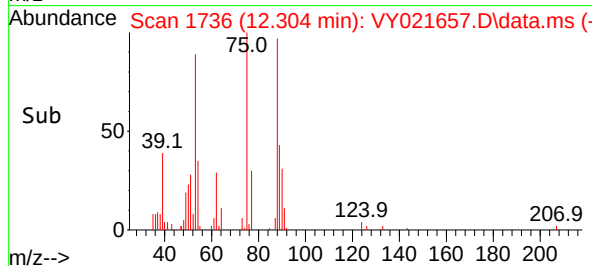
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

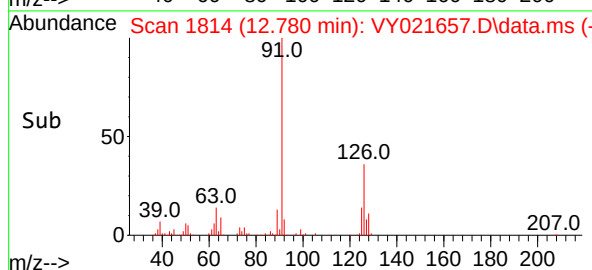
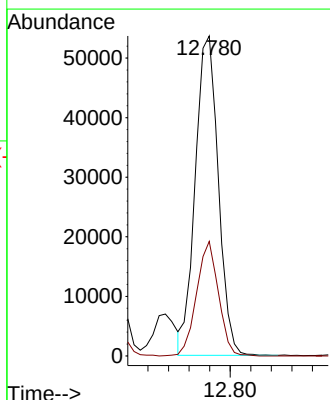
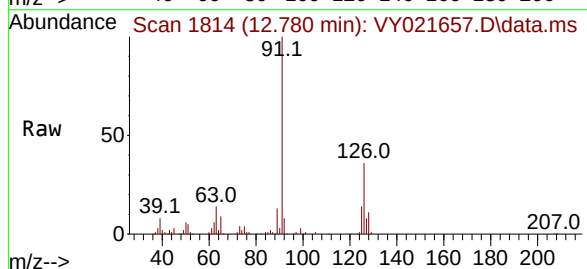
Manual Integrations
APPROVED

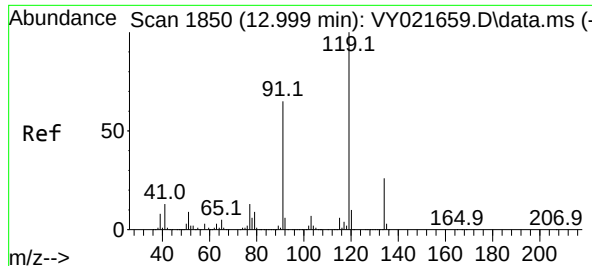
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

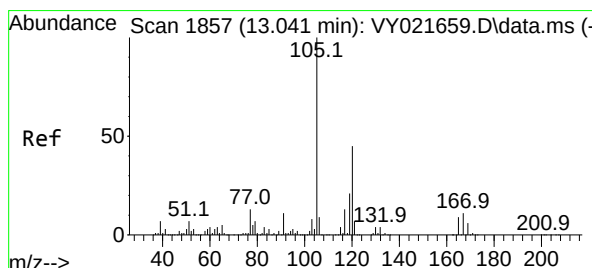
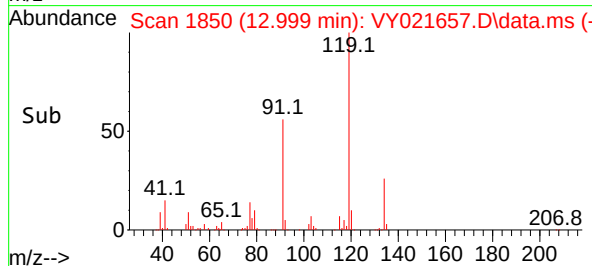
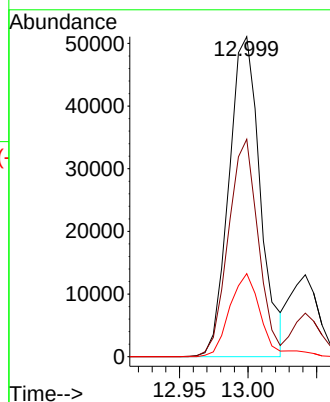
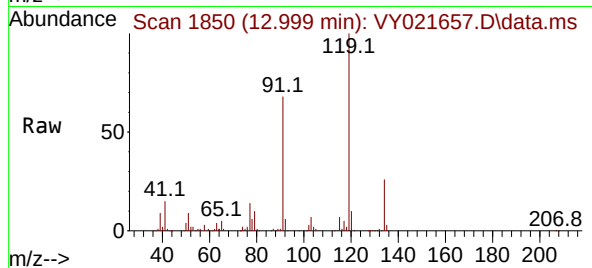
VSTDIC010

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

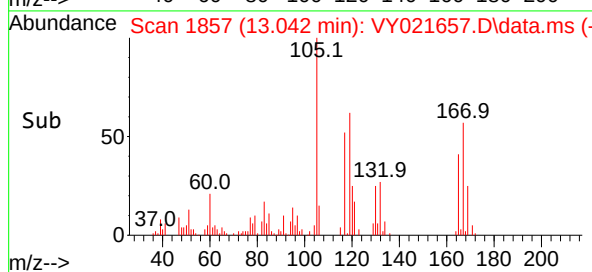
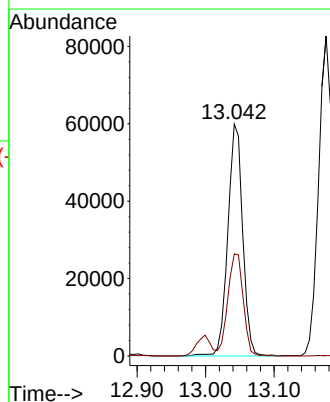
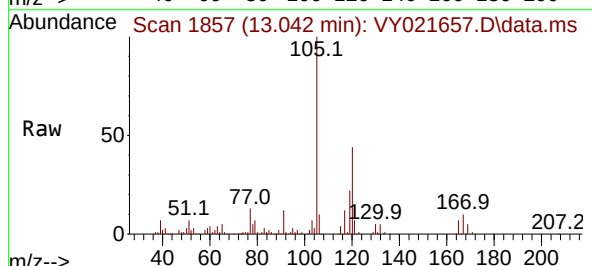
RT: 13.042 min Scan# 1857

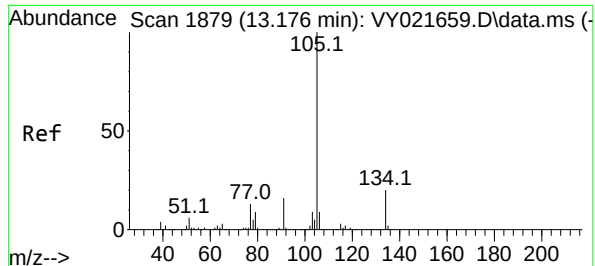
Delta R.T. 0.000 min

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

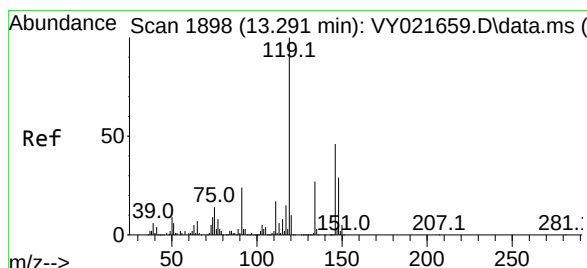
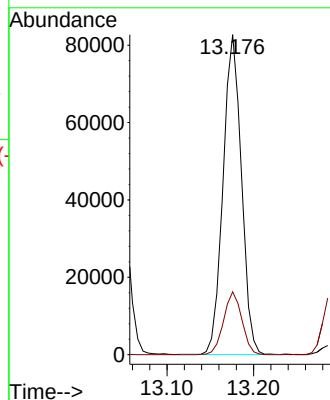
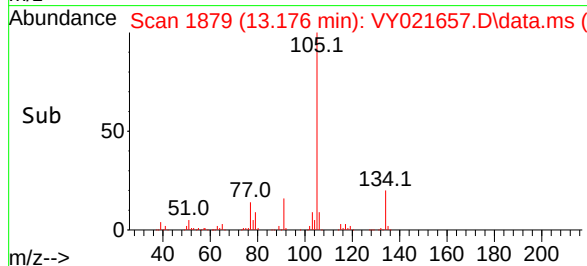
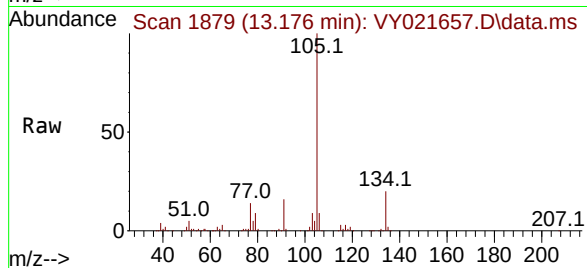
134 19.6 10.1 30.1

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

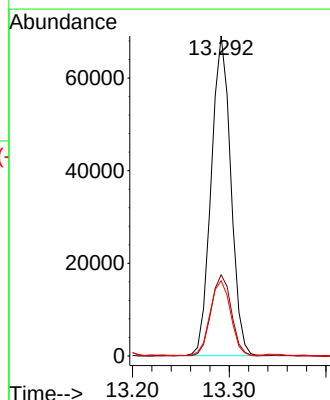
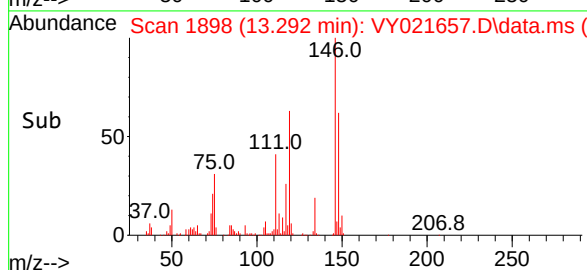
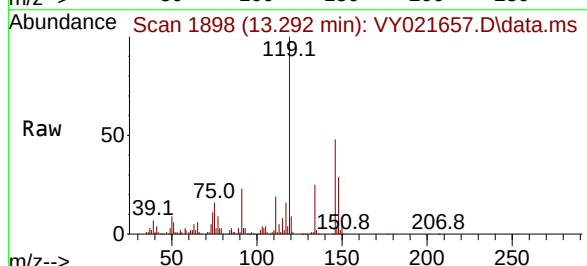
Tgt Ion:119 Resp: 97092

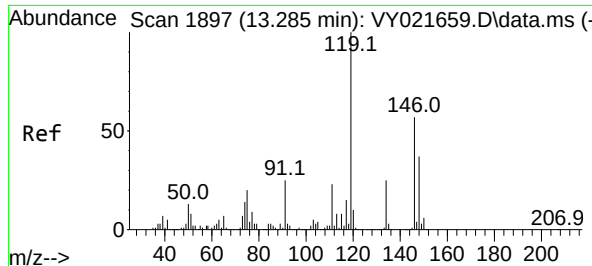
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

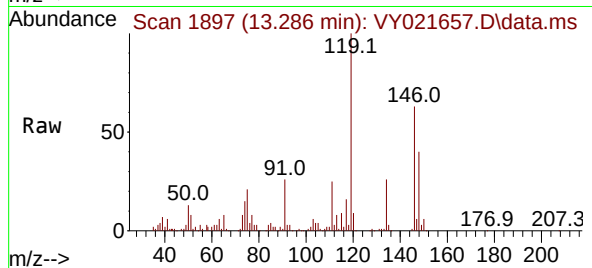
91 24.6 12.0 36.0





#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

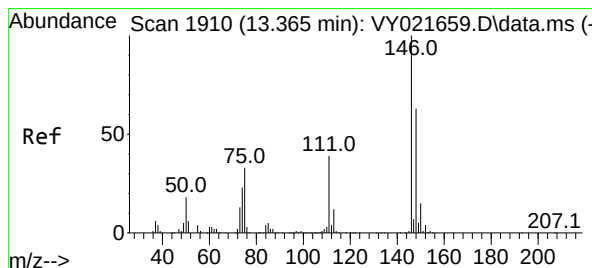
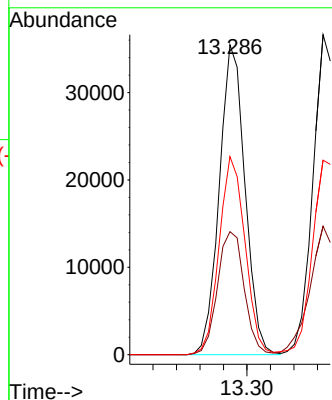
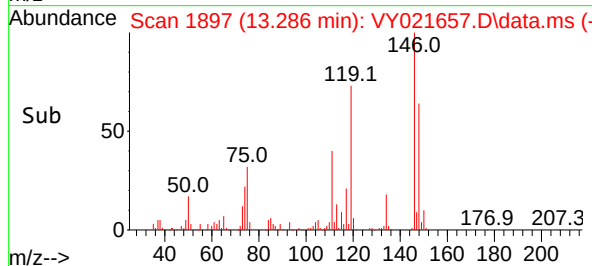
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



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

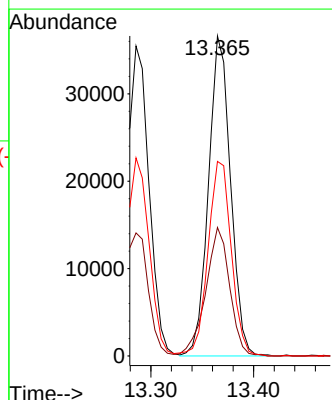
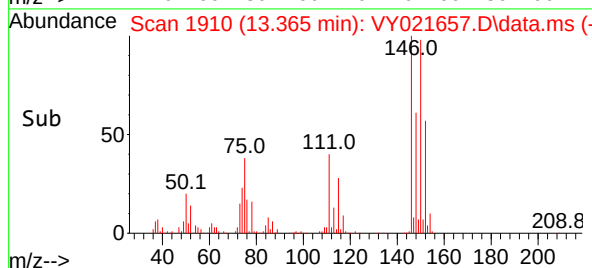
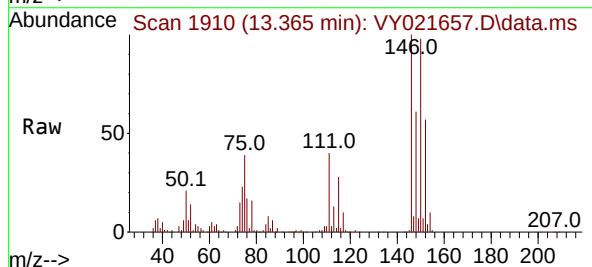
Manual Integrations
APPROVED

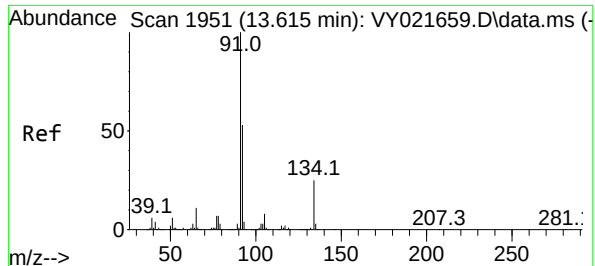
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

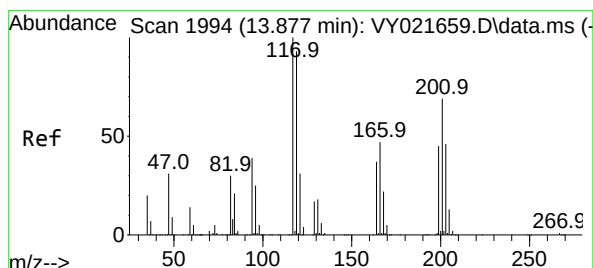
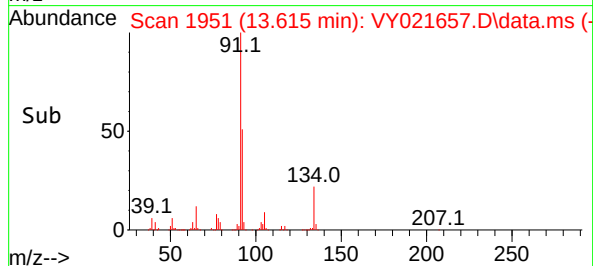
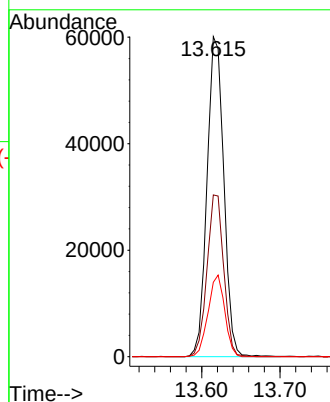
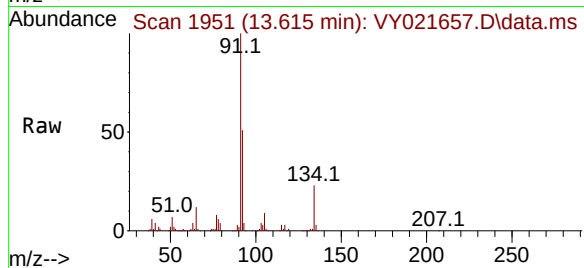
VSTDIC010

Tgt Ion:	91	Resp:	89162
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

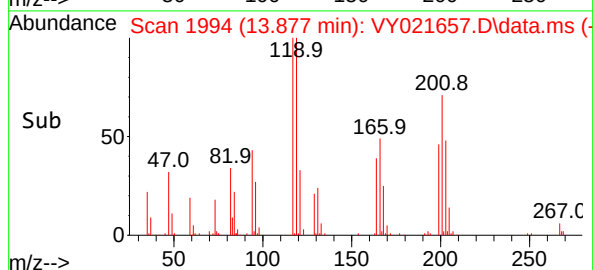
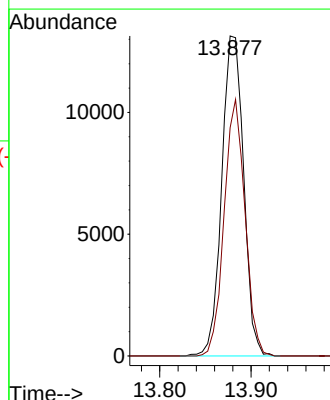
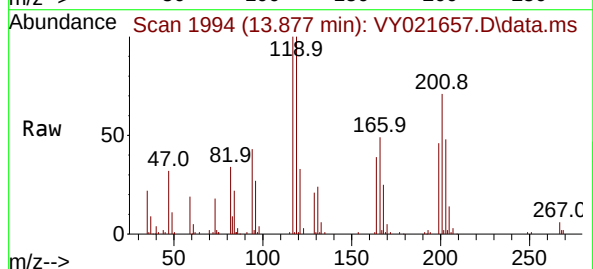
RT: 13.877 min Scan# 1994

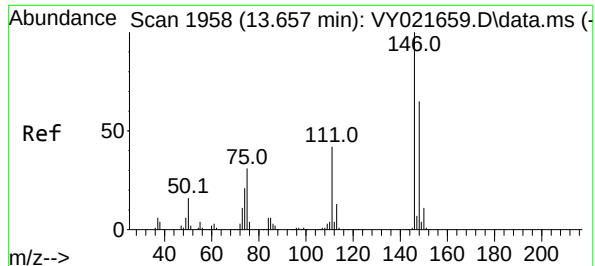
Delta R.T. 0.000 min

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





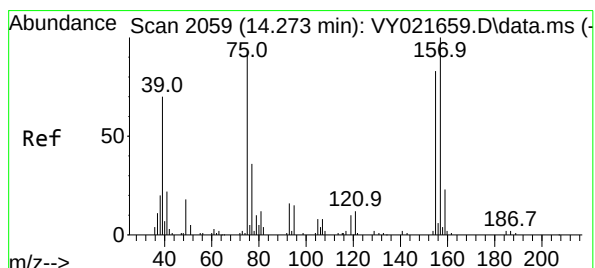
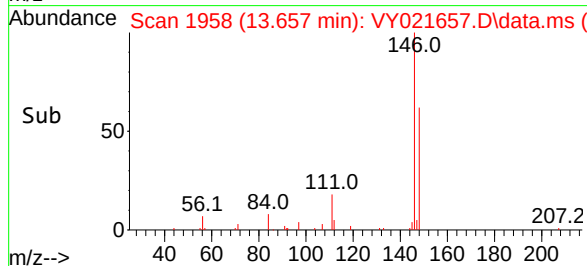
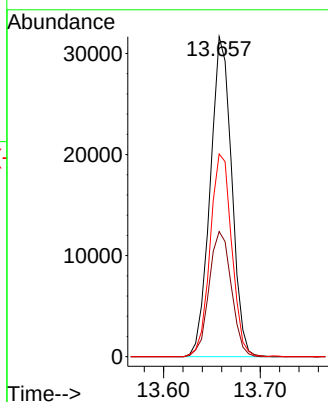
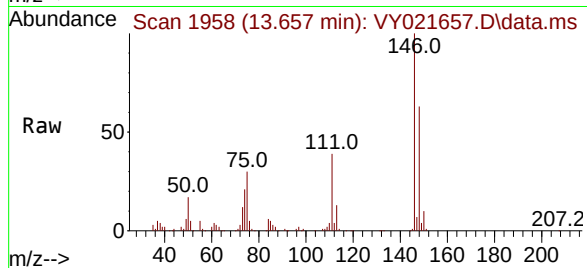
#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

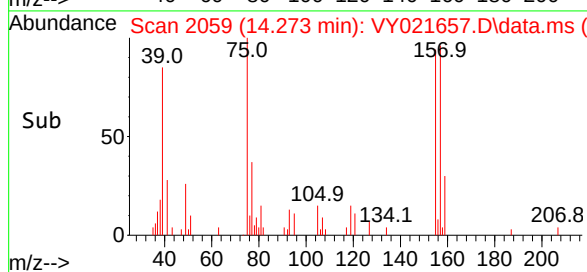
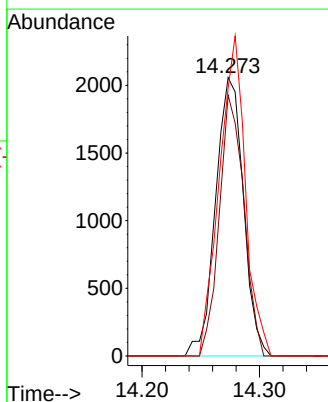
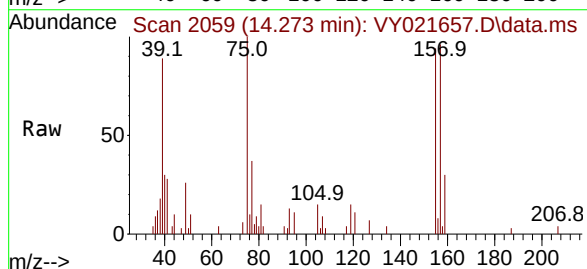
Manual Integrations
APPROVED

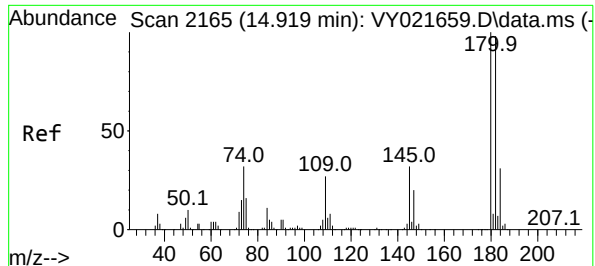
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

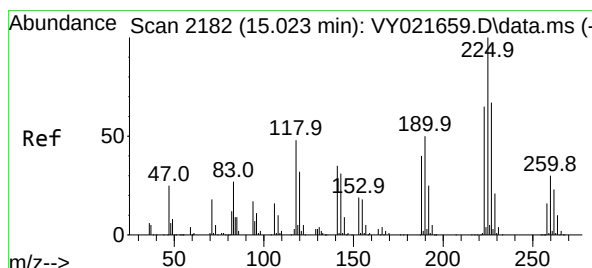
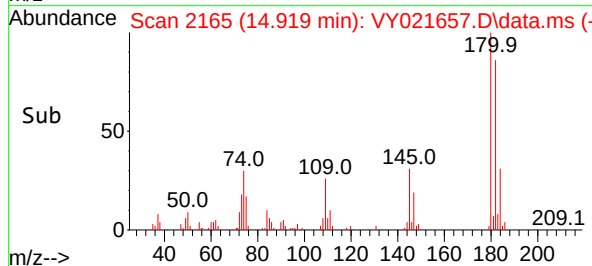
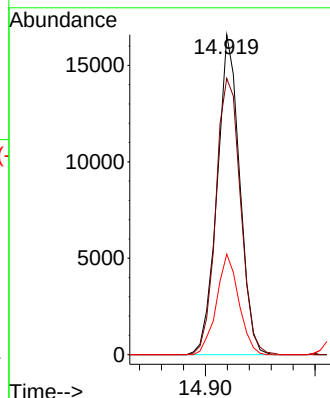
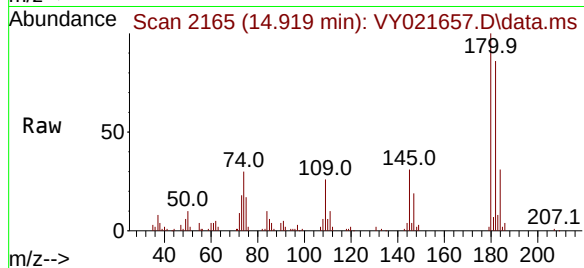
145 31.1 14.9 44.9

Manual Integrations

APPROVED

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

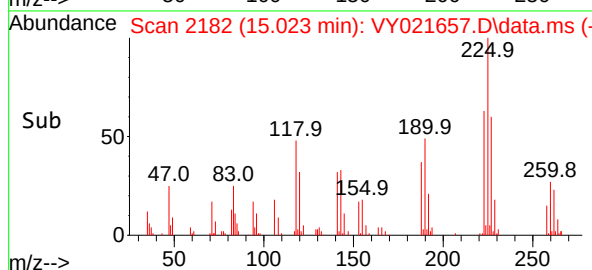
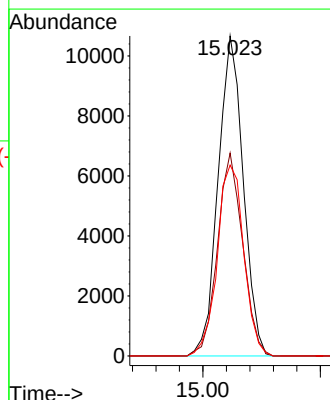
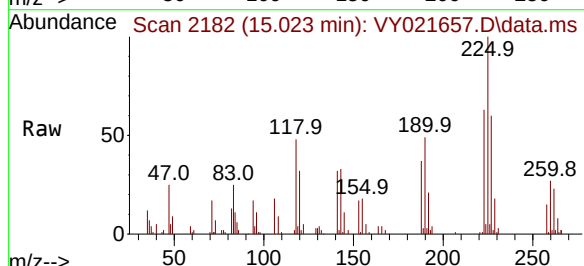
Tgt Ion:225 Resp: 15844

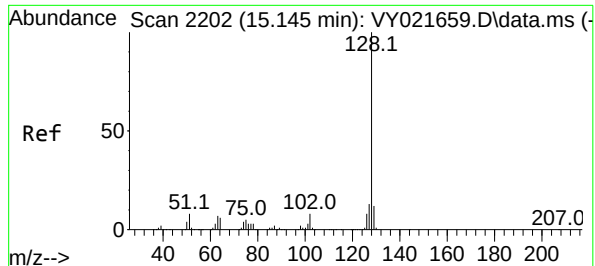
Ion Ratio Lower Upper

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 :

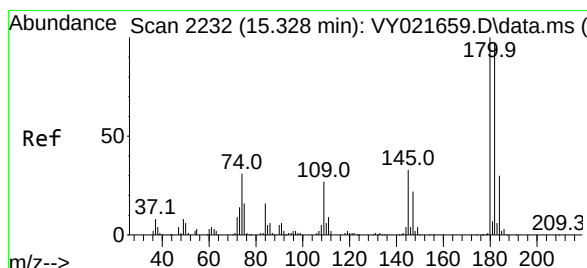
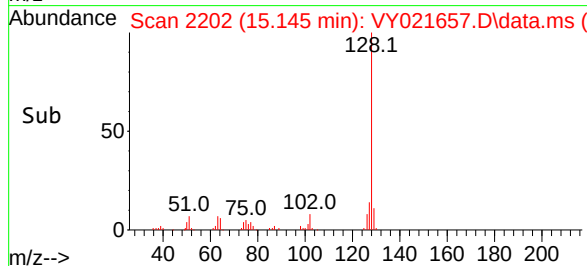
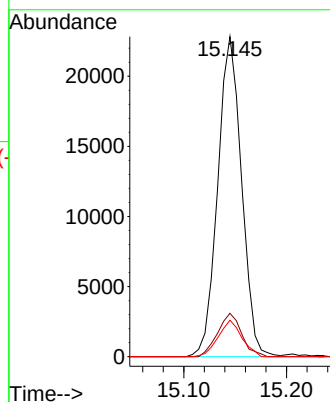
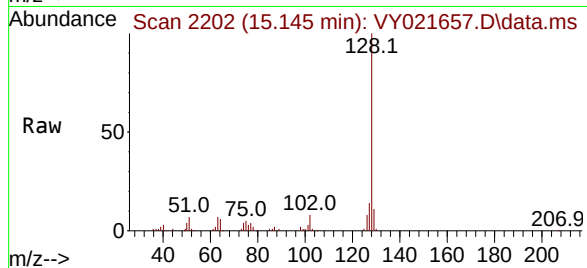
VSTDIC010

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

APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 9.633 ug/l

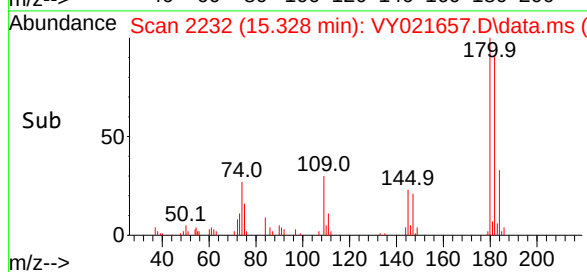
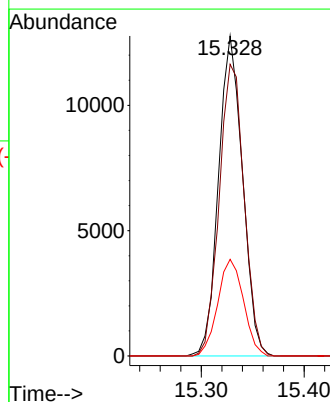
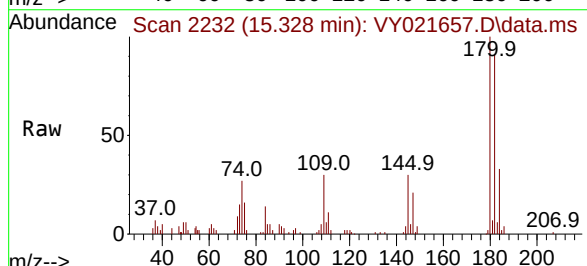
RT: 15.328 min Scan# 2232

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

Manual Integrations
 APPROVED

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)

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

APPROVED

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
APPROVED

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)

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

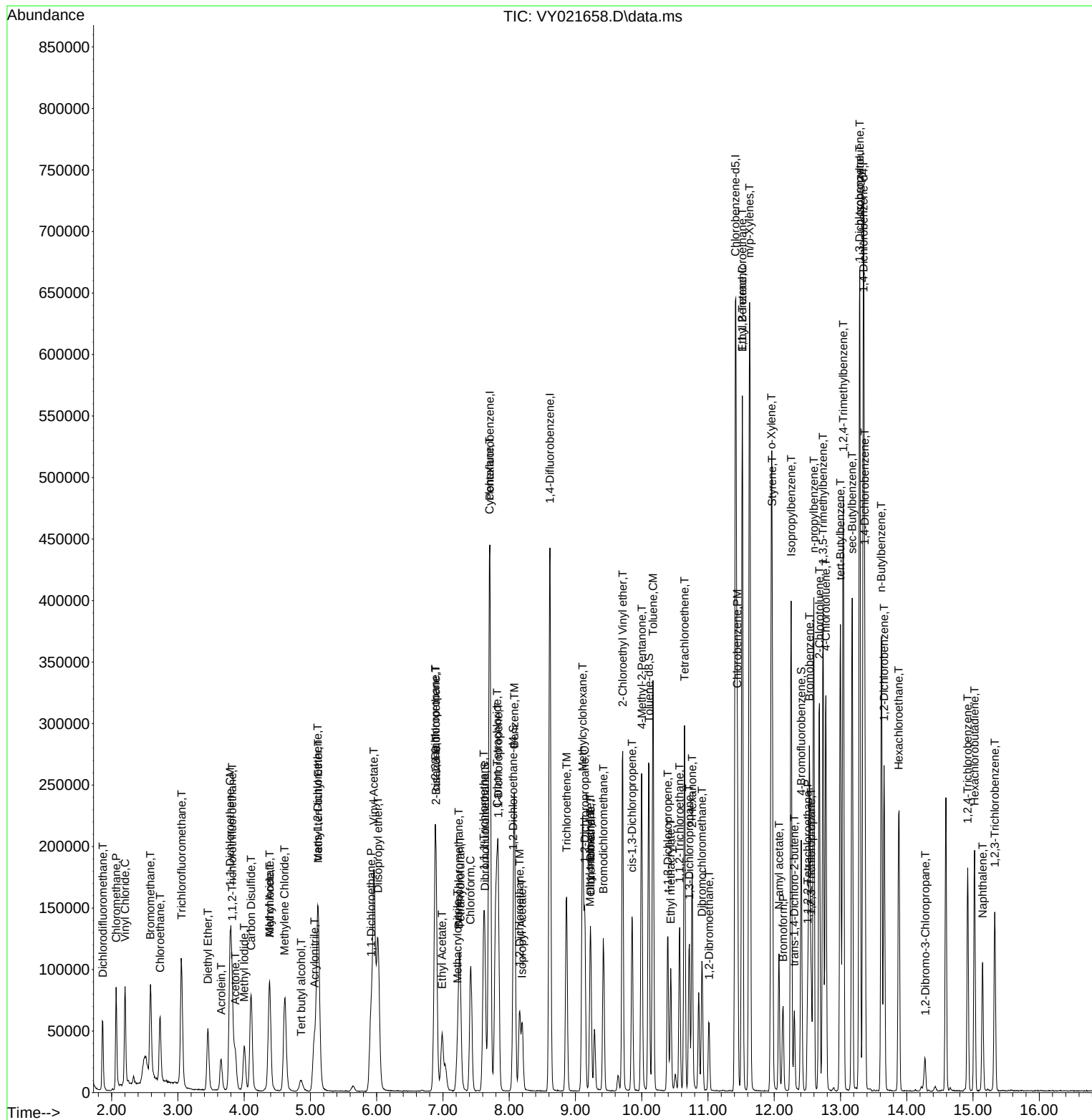
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

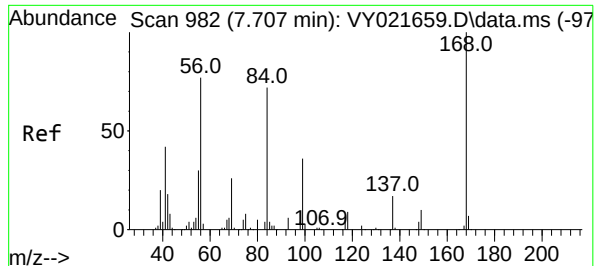
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

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

Manual Integrations APPROVED

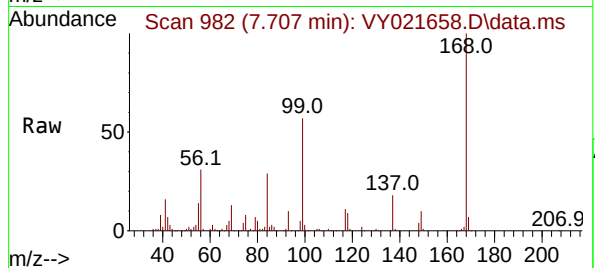
Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025





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

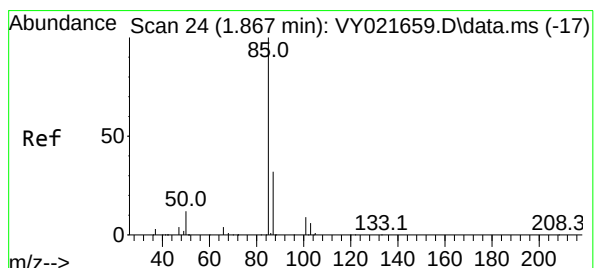
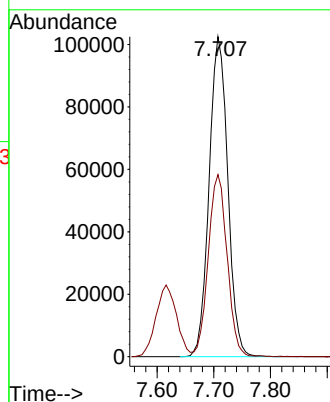
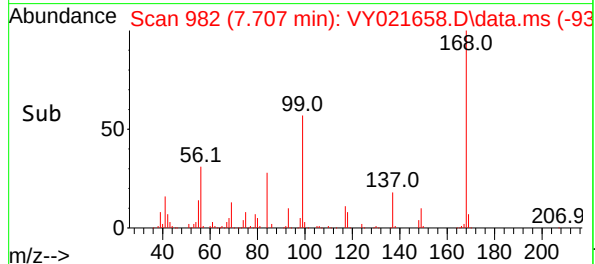
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

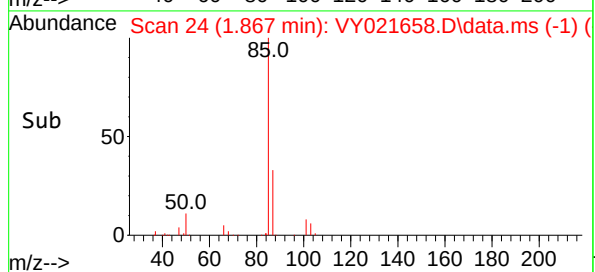
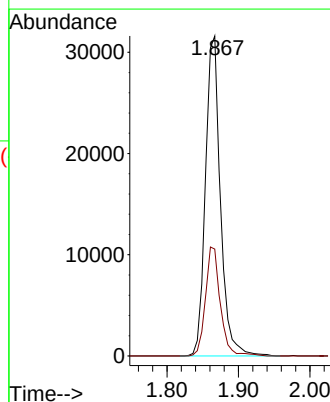
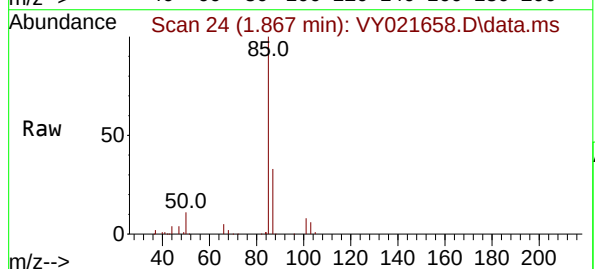
Manual Integrations
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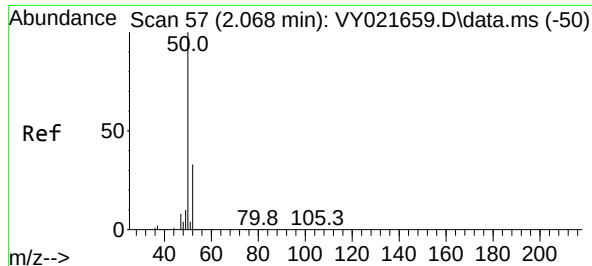
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





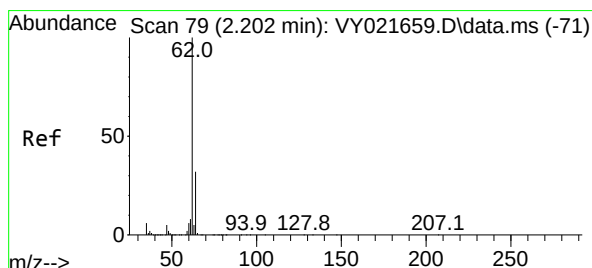
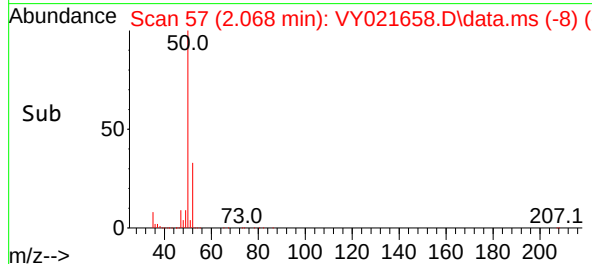
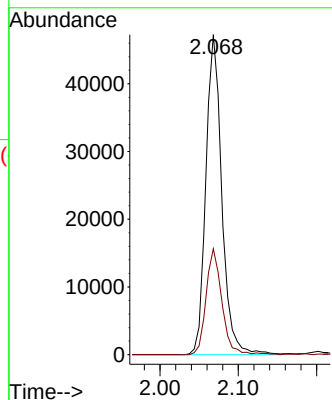
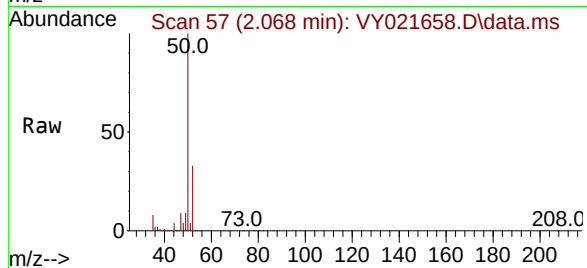
#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

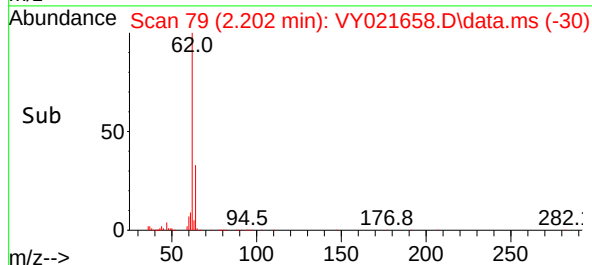
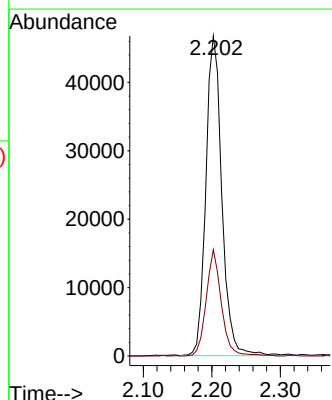
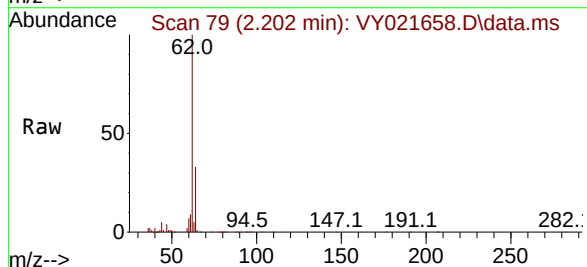
Manual Integrations
APPROVED

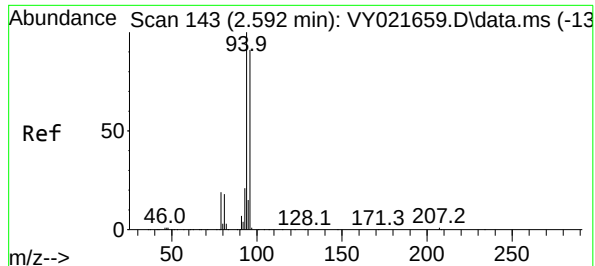
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

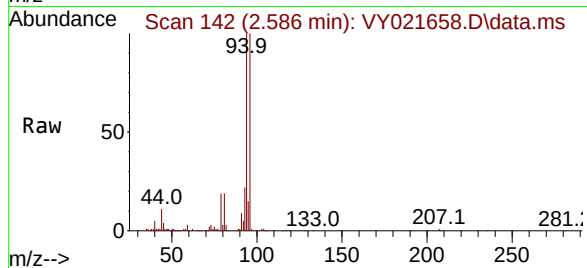
Tgt Ion: 62 Resp: 75860
Ion Ratio Lower Upper
62 100
64 33.2 25.5 38.3





#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

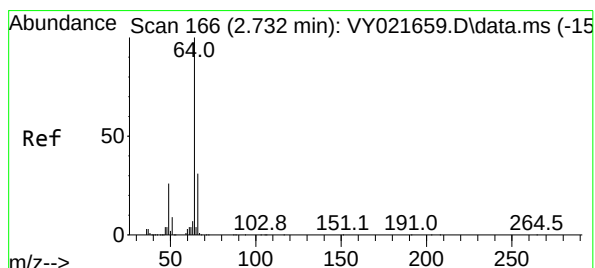
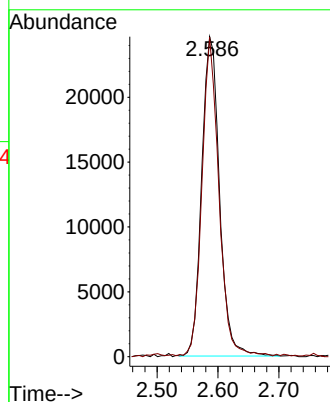
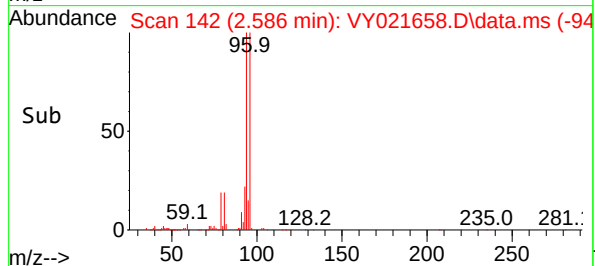
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

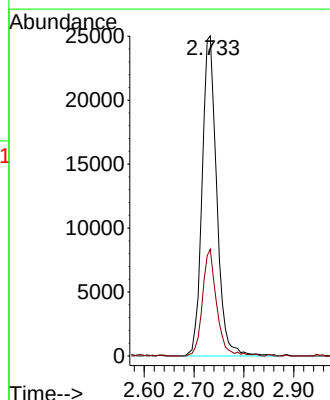
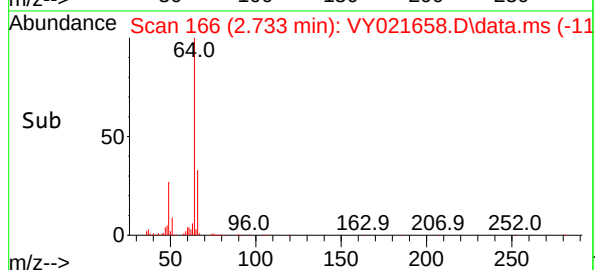
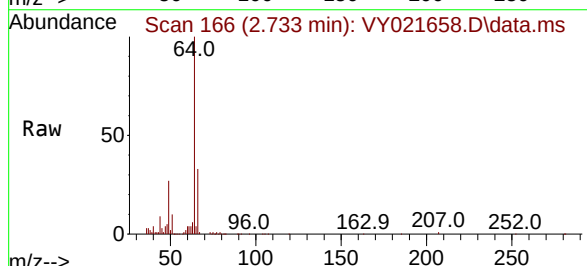
Manual Integrations
APPROVED

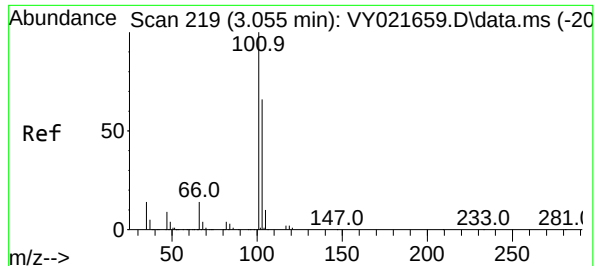
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

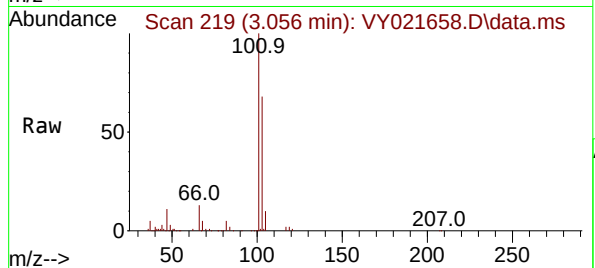
Tgt Ion: 64 Resp: 50953
Ion Ratio Lower Upper
64 100
66 33.4 24.9 37.3





#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

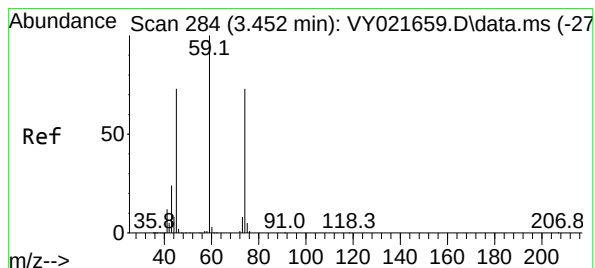
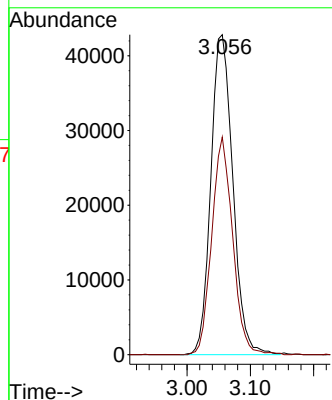
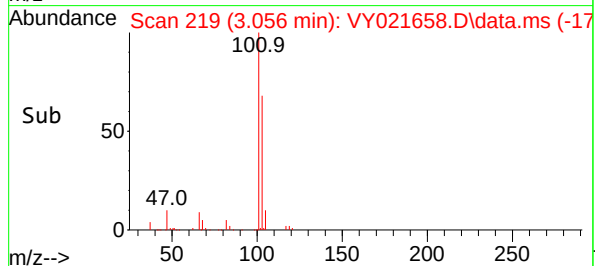
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

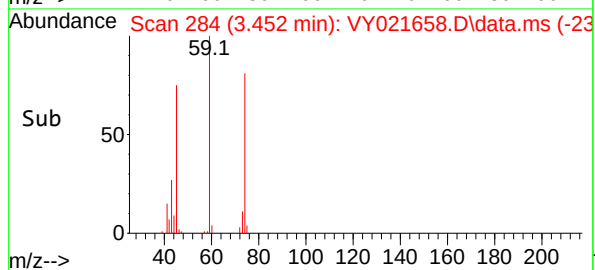
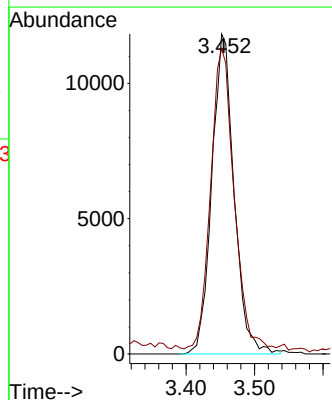
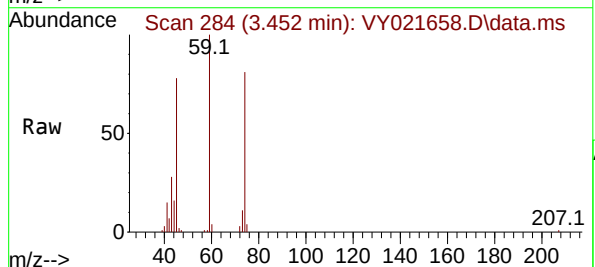
Manual Integrations
APPROVED

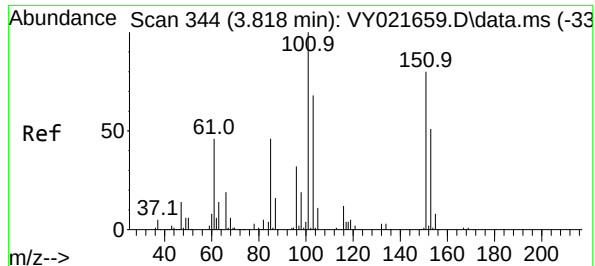
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





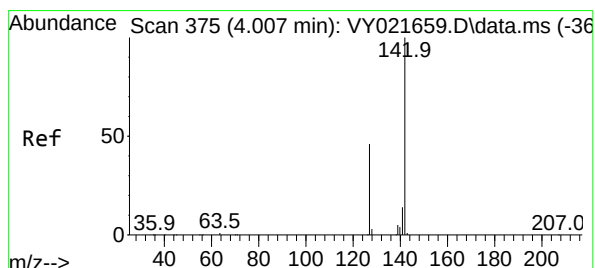
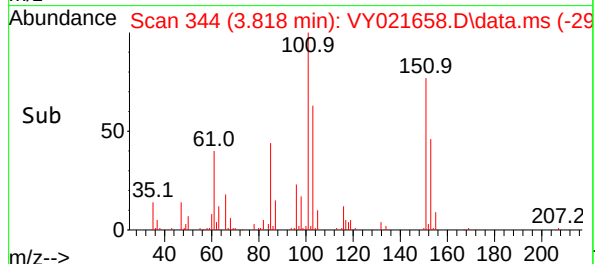
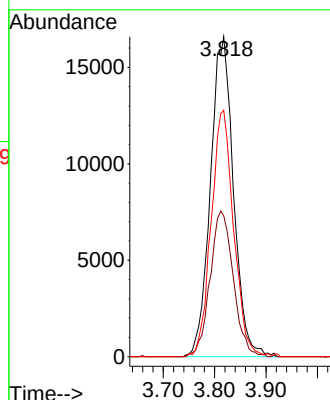
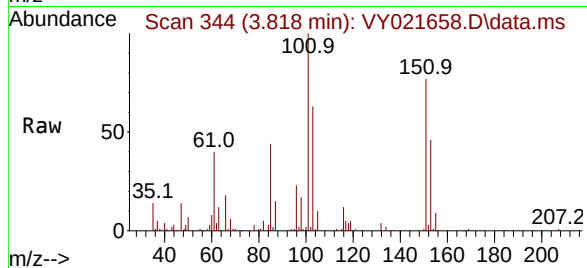
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

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

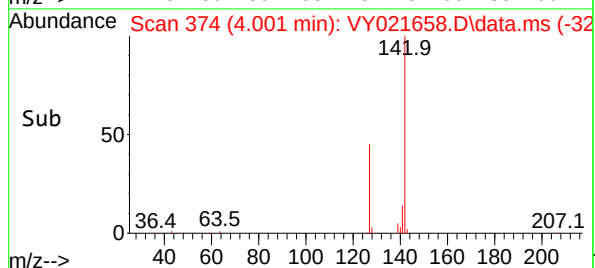
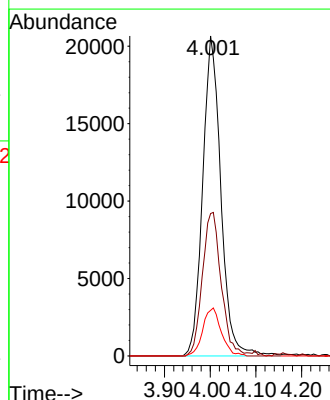
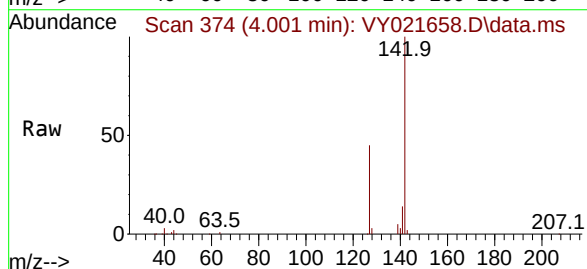
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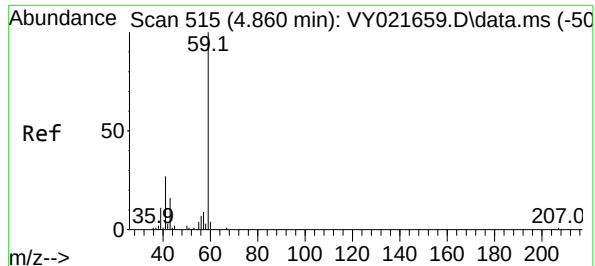
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

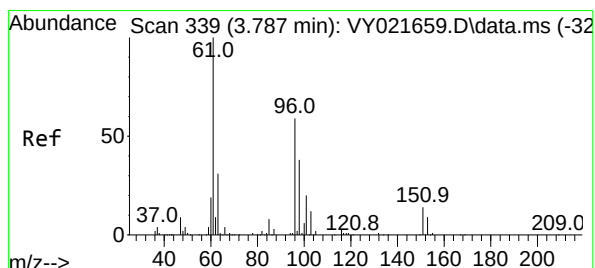
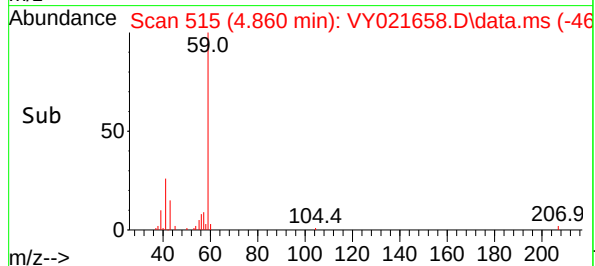
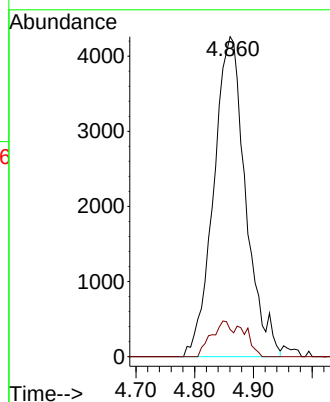
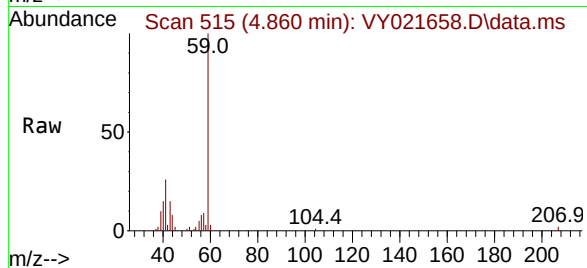
57 7.2 9.2 13.8

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

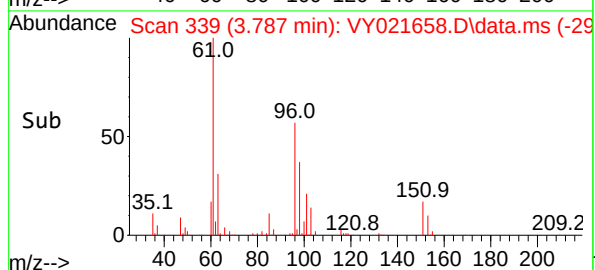
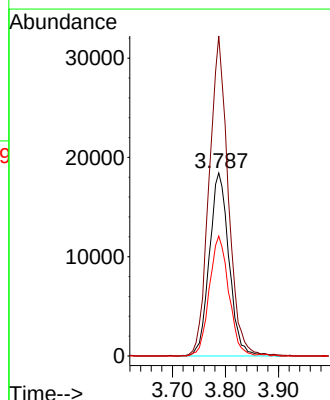
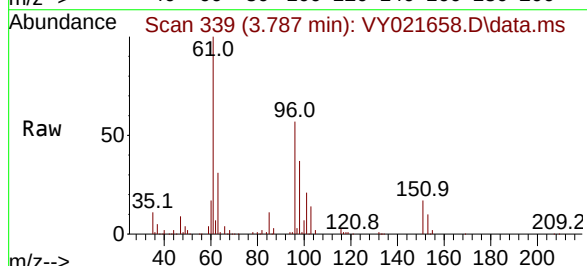
Tgt Ion: 96 Resp: 47534

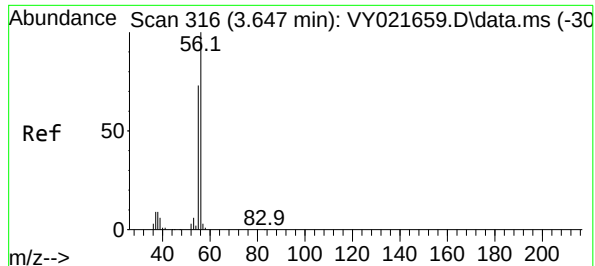
Ion Ratio Lower Upper

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

Tgt Ion: 56 Resp: 2982

Ion Ratio Lower Upper

56 100

55 71.8 56.6 85.0

Instrument :

MSVOA_Y

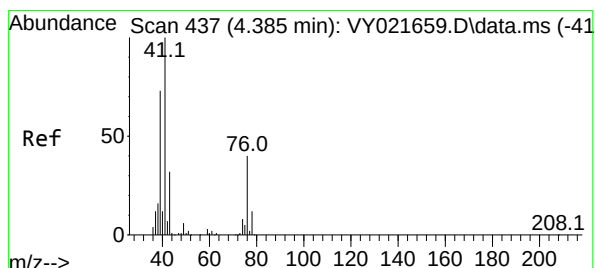
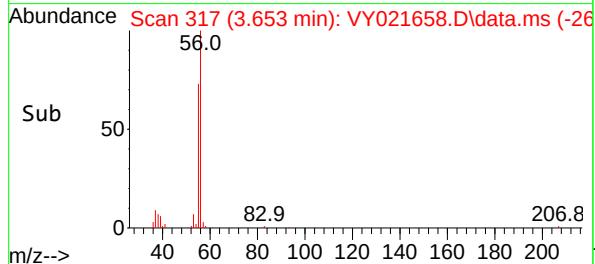
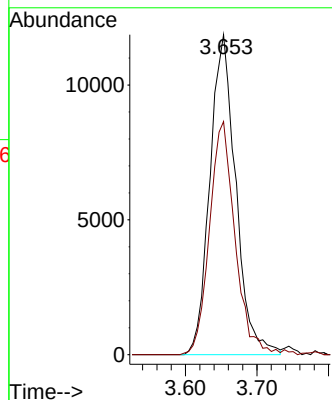
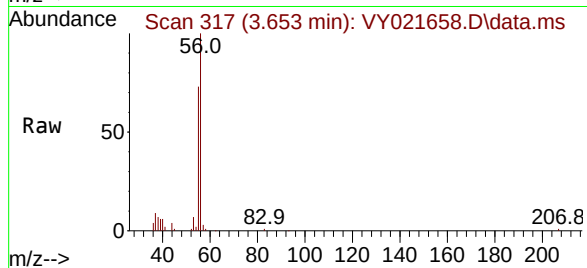
ClientSampleId :

VSTDICC020

Manual Integrations

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



#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

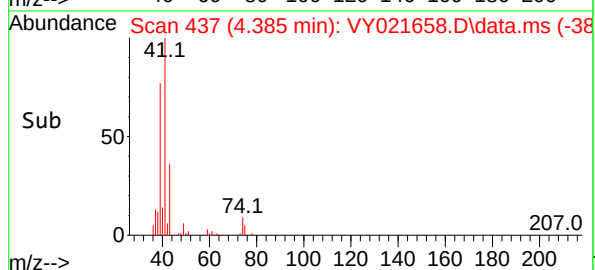
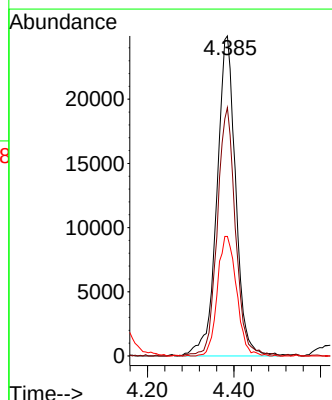
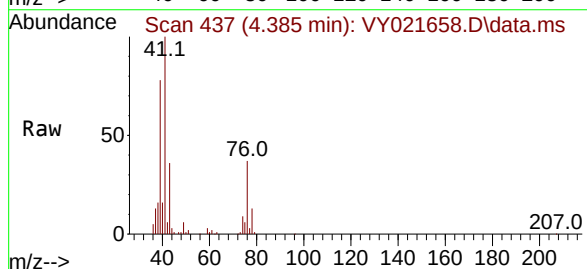
Tgt Ion: 41 Resp: 75169

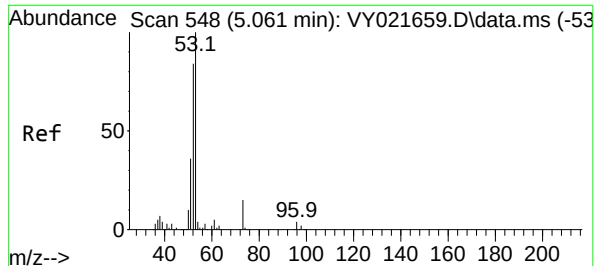
Ion Ratio Lower Upper

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 :

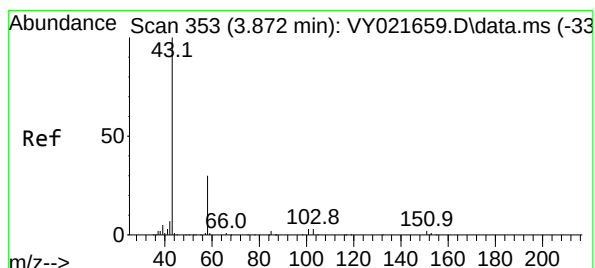
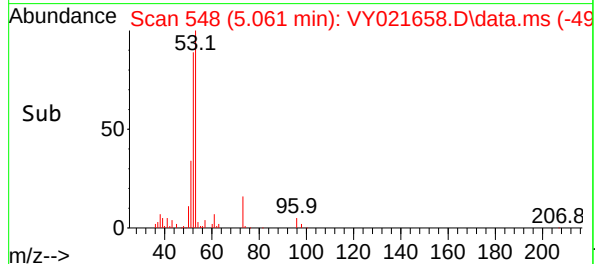
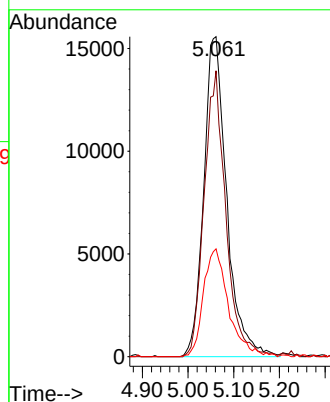
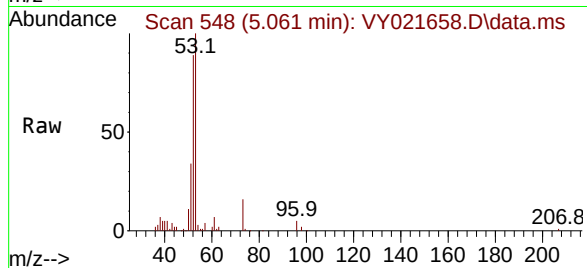
VSTDICC020

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

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



#16

Acetone

Concen: 92.073 ug/l

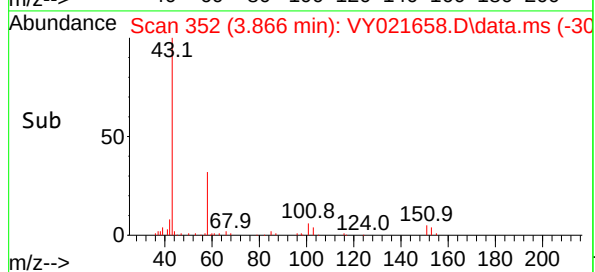
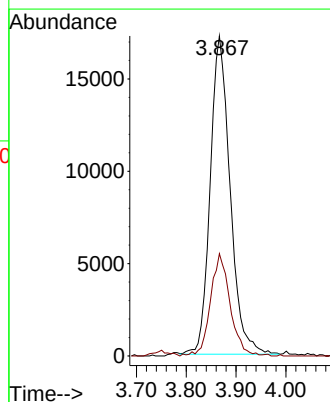
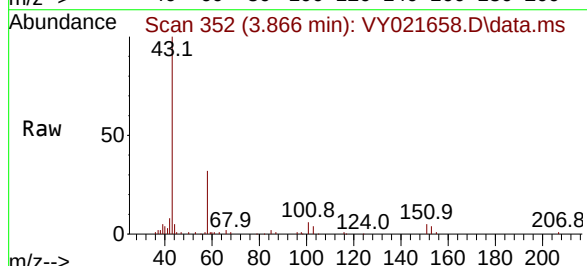
RT: 3.866 min Scan# 352

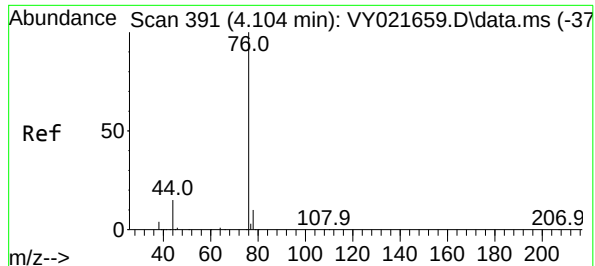
Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

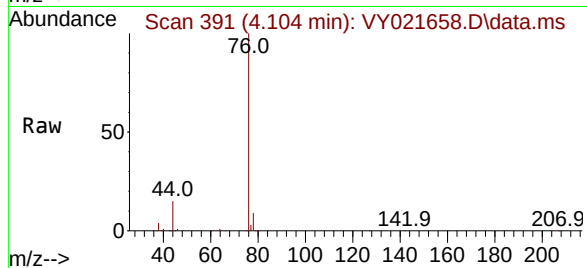
Tgt Ion:	43	Resp:	47787
Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#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

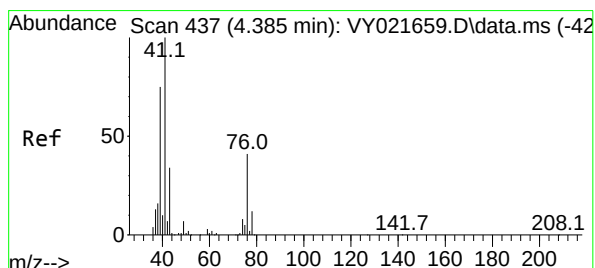
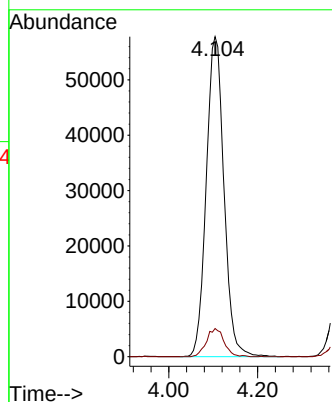
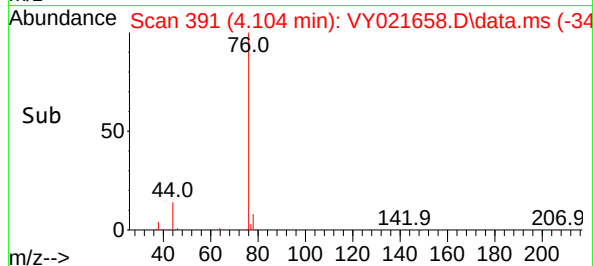
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

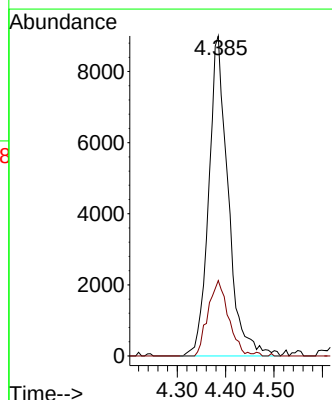
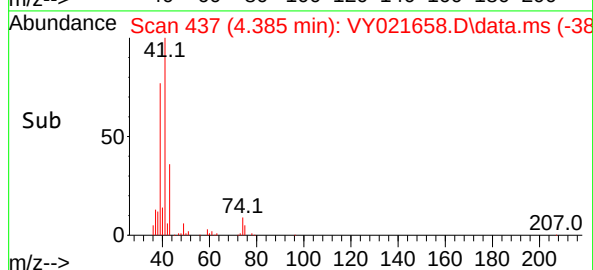
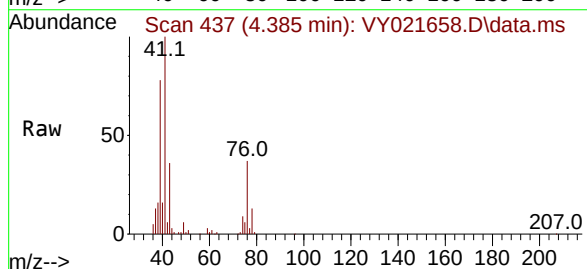
Manual Integrations
APPROVED

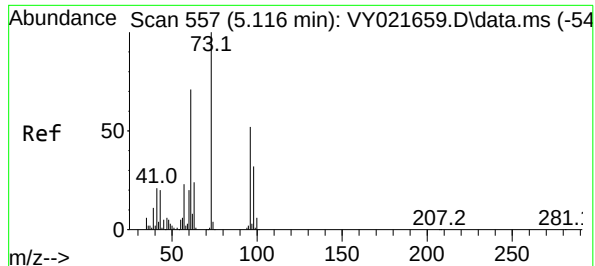
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

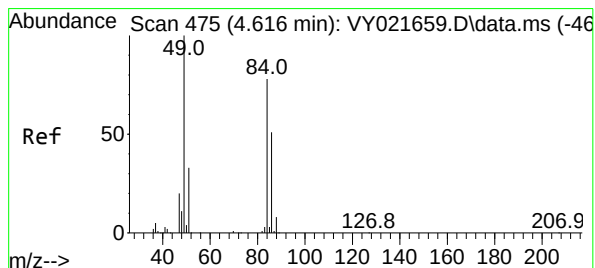
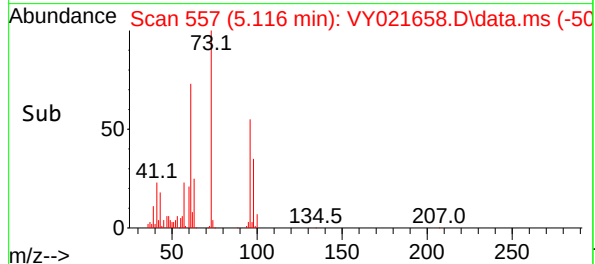
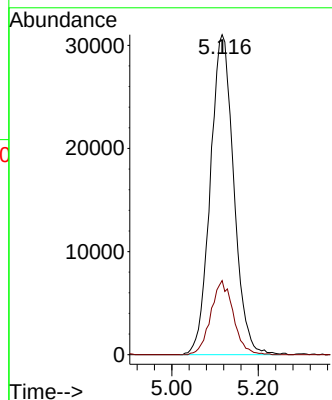
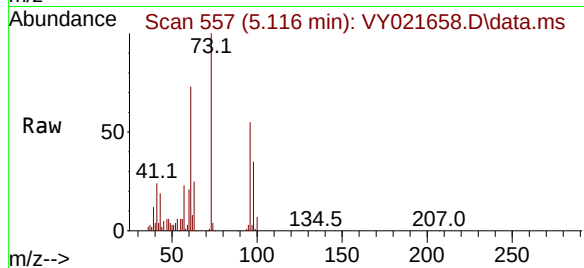
Ion Ratio Lower Upper

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

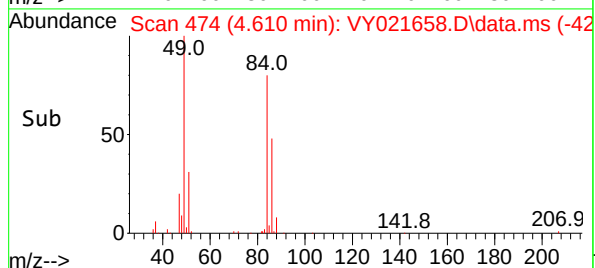
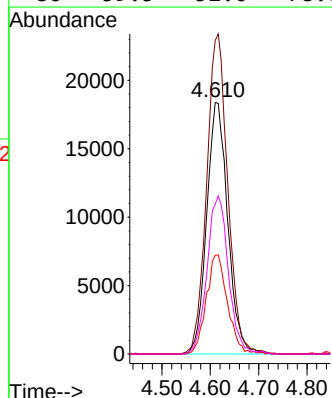
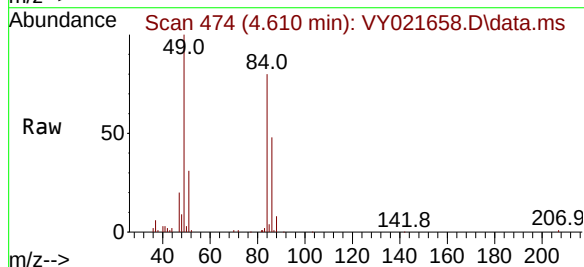
Ion Ratio Lower Upper

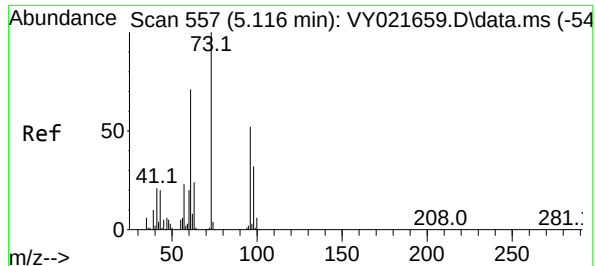
84 100

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

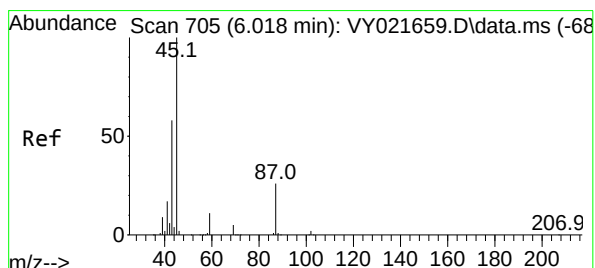
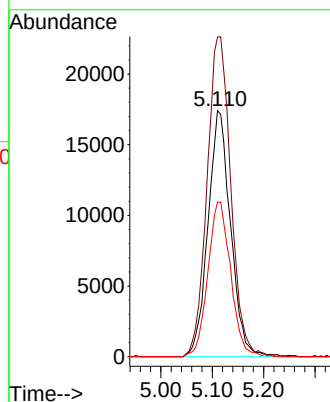
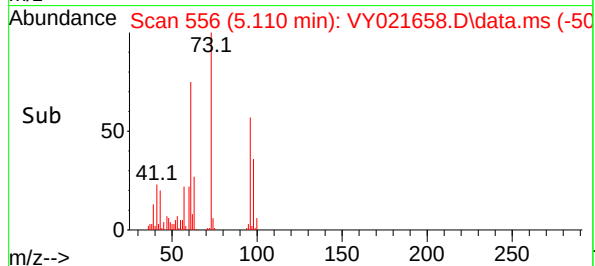
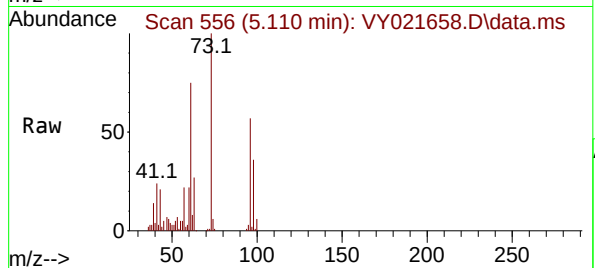
98 62.8 50.2 75.2

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

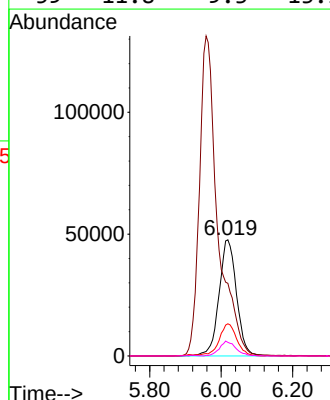
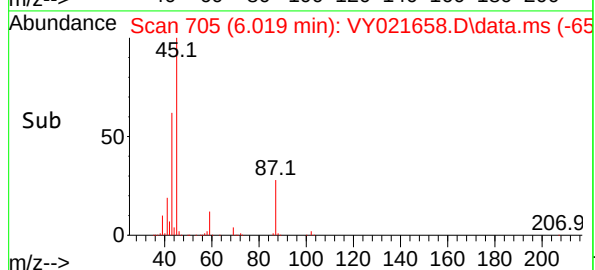
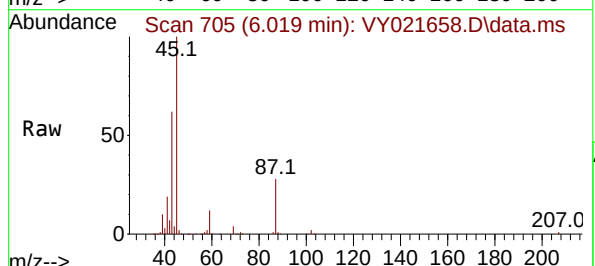
Ion Ratio Lower Upper

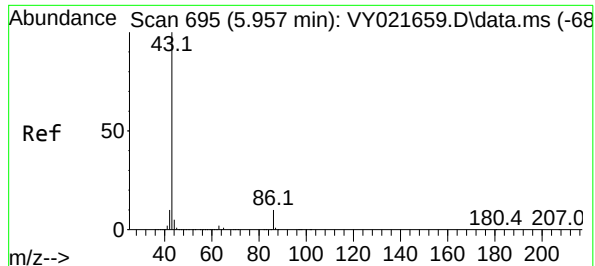
45 100

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 :

VSTDIC020

Tgt Ion: 43 Resp: 46803

Ion Ratio Lower Upper

43

100

86

9.9

8.2

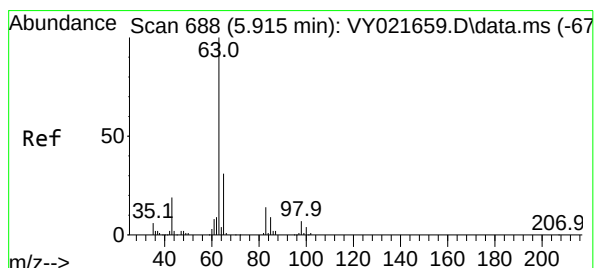
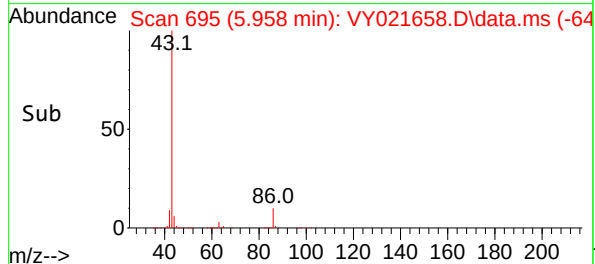
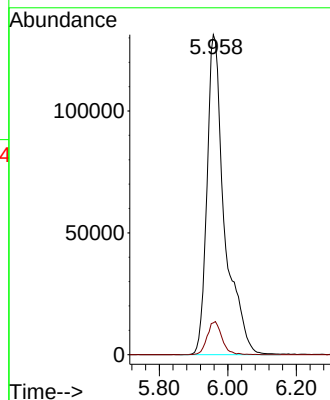
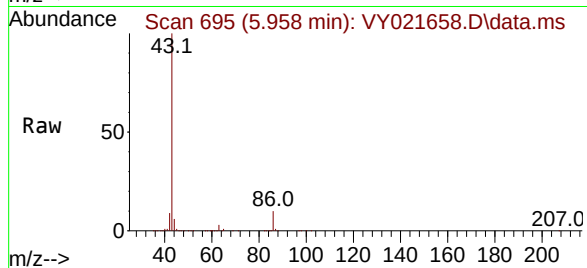
12.2

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

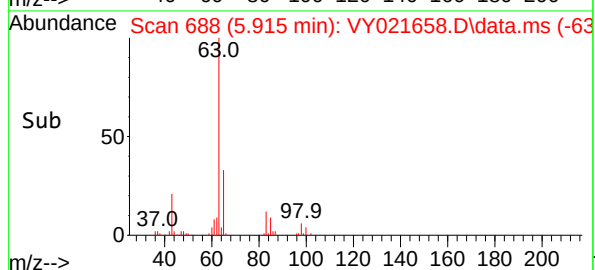
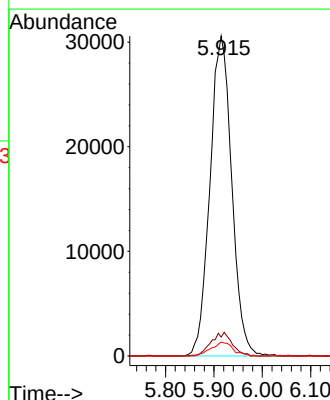
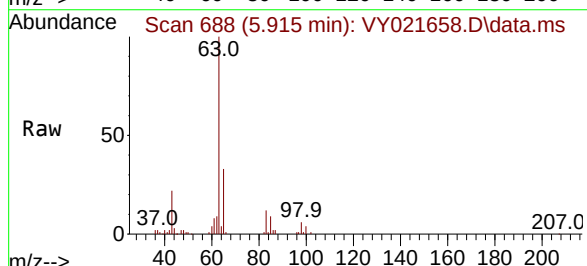
10.5

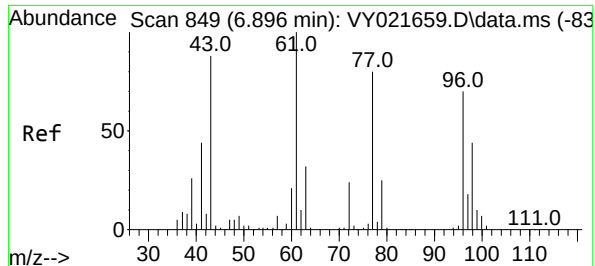
100

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: 6985

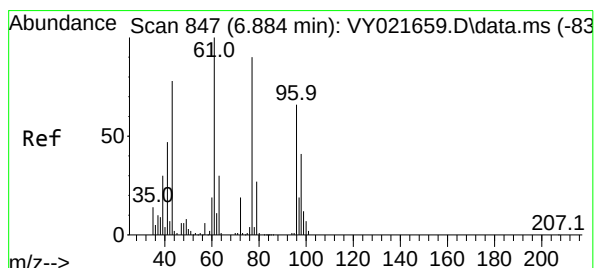
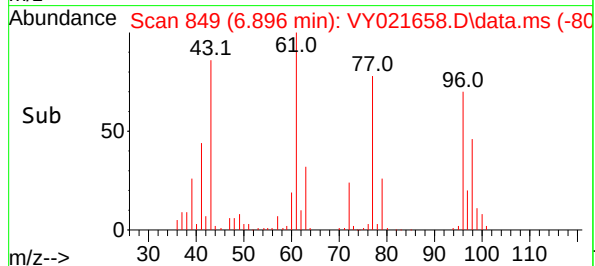
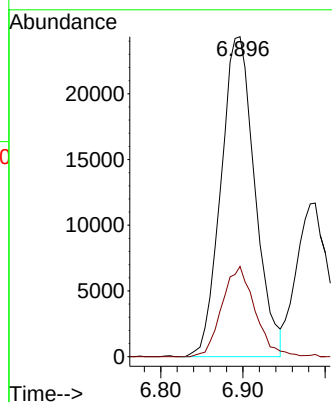
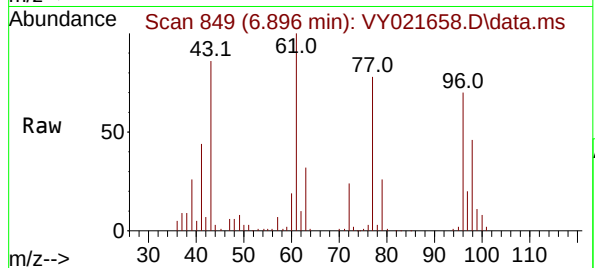
Ion Ratio Lower Upper

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

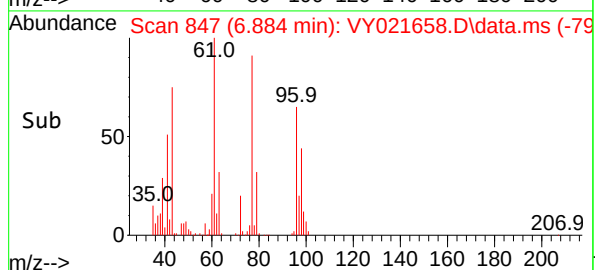
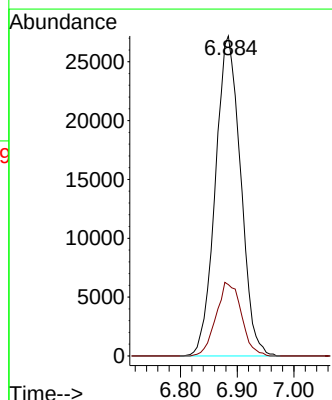
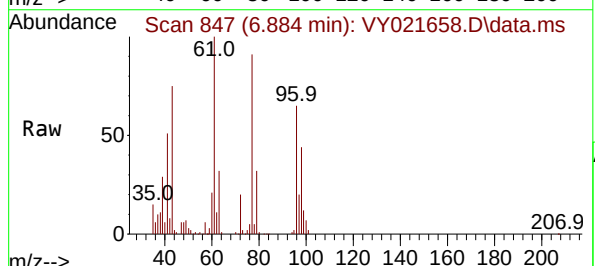
Acq: 27 Mar 2025 10:54

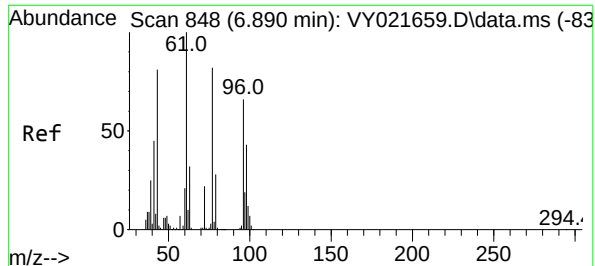
Tgt Ion: 77 Resp: 83932

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 :

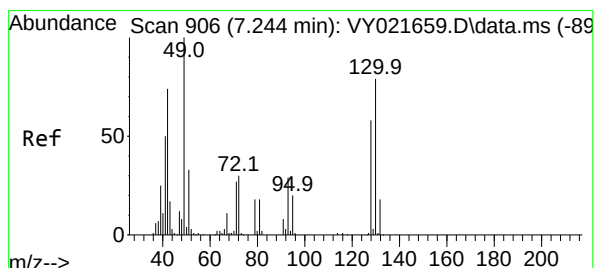
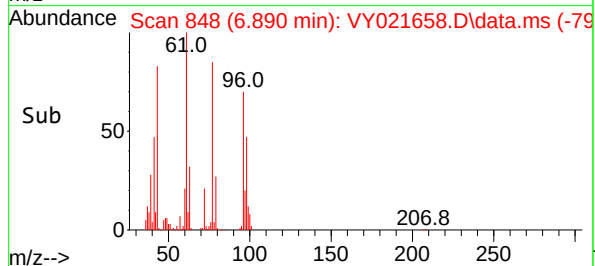
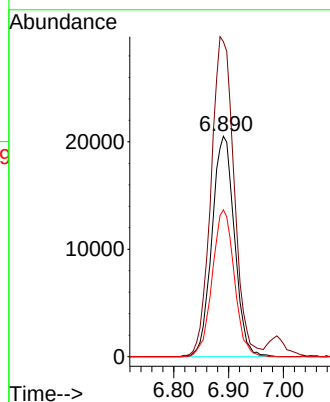
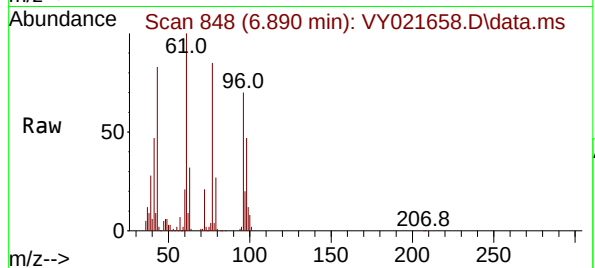
VSTDICC020

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

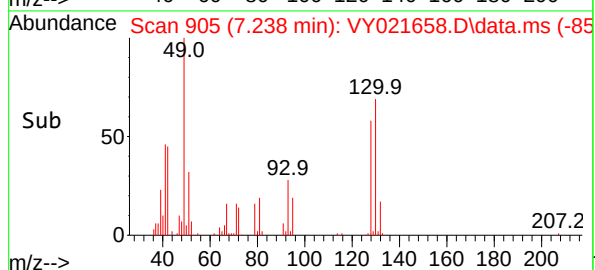
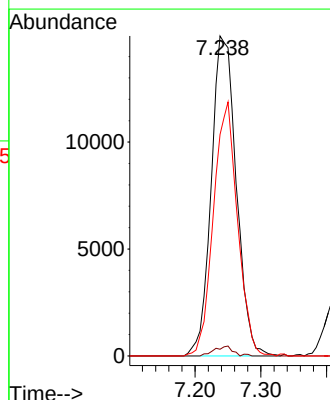
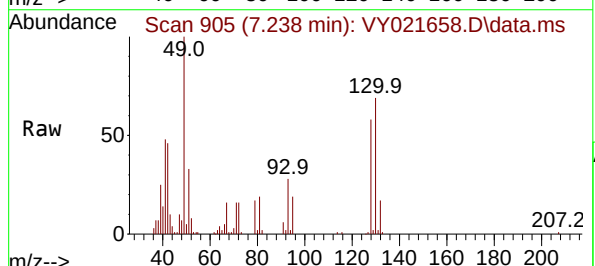
RT: 7.238 min Scan# 905

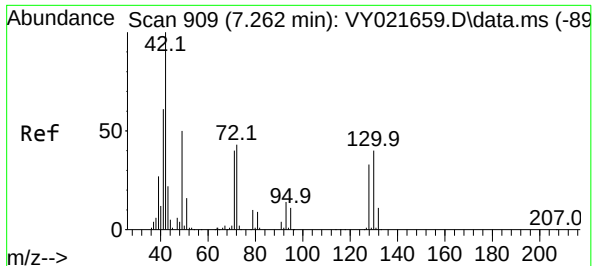
Delta R.T. -0.006 min

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 :

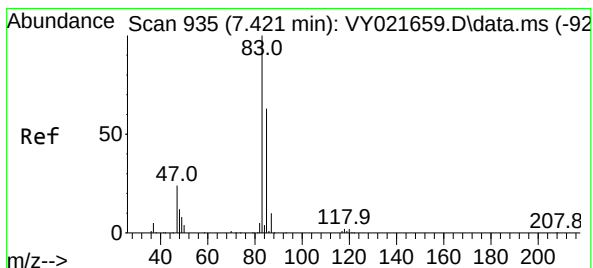
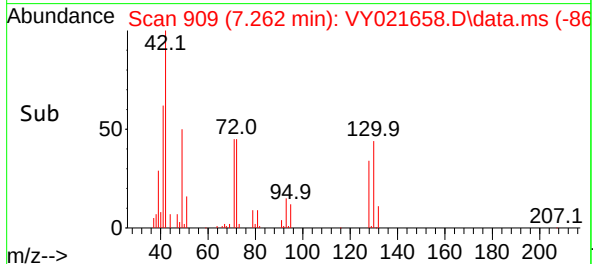
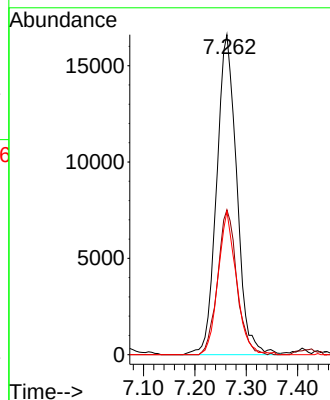
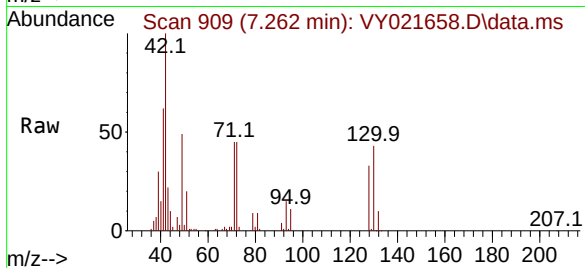
VSTDIC020

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

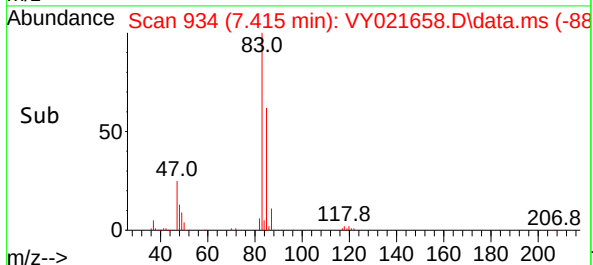
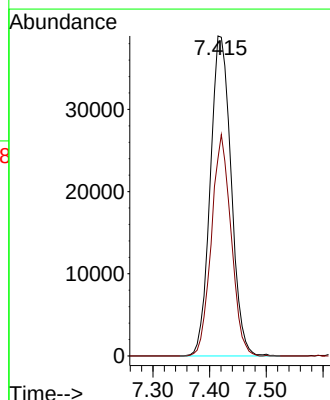
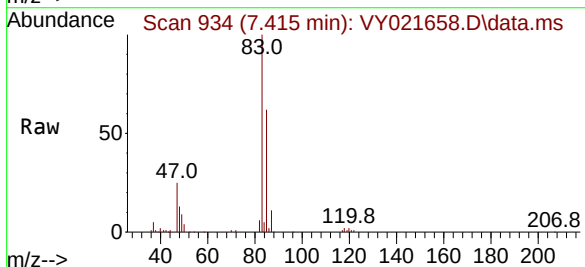
RT: 7.415 min Scan# 934

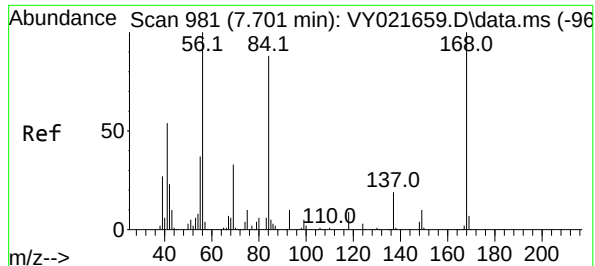
Delta R.T. -0.006 min

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 :

VSTDIC020

Tgt Ion: 56 Resp: 8537

Ion Ratio Lower Upper

56 100

69 39.3 26.6 40.0

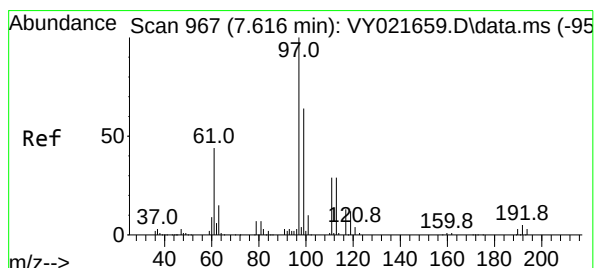
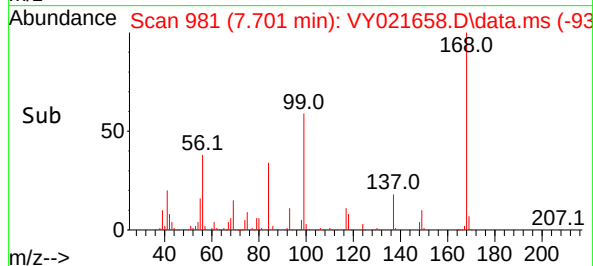
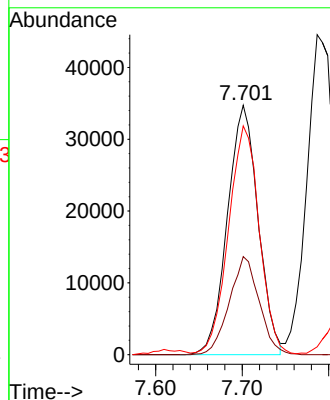
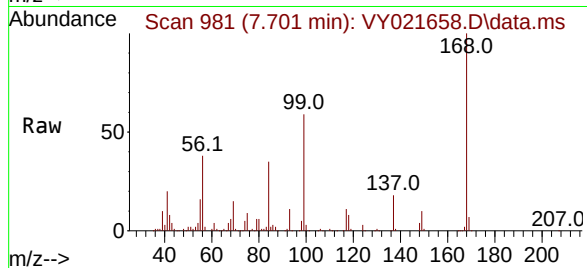
84 90.0 69.0 103.4

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

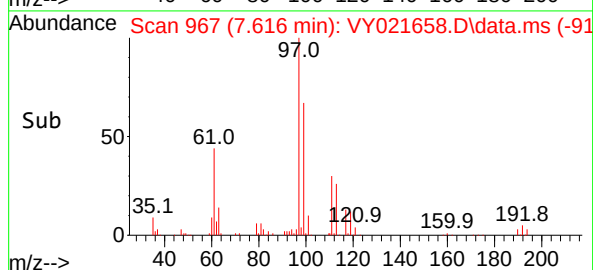
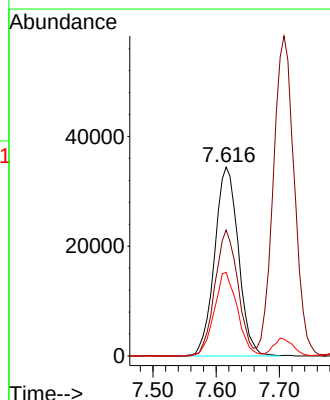
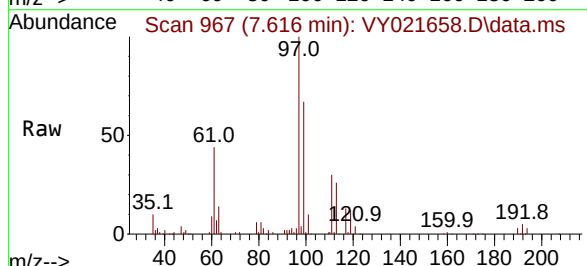
Tgt Ion: 97 Resp: 89818

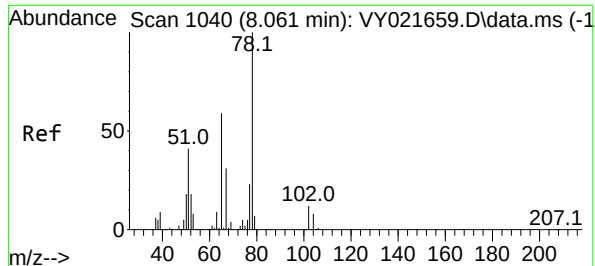
Ion Ratio Lower Upper

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

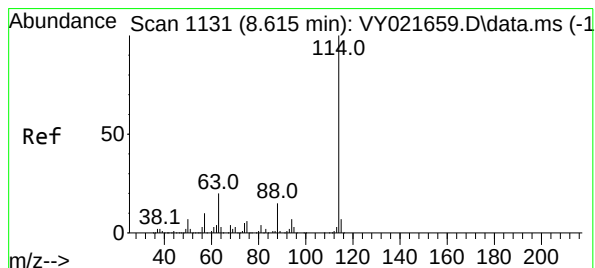
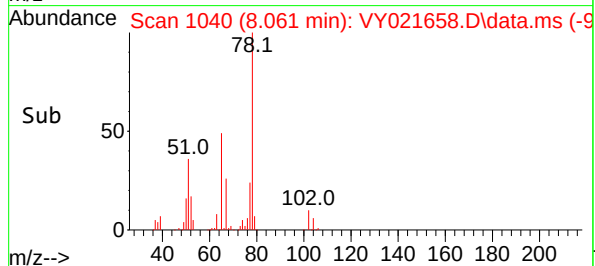
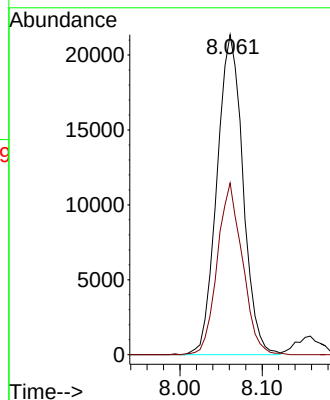
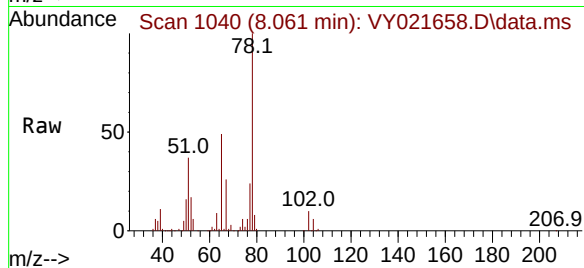
67 51.9 0.0 104.6

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

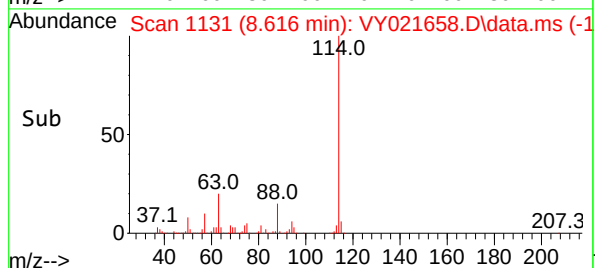
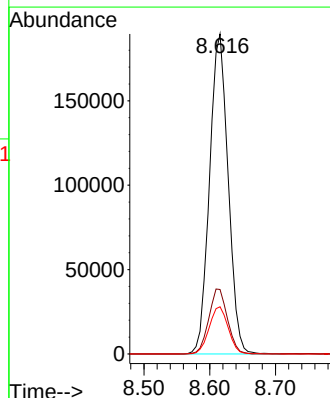
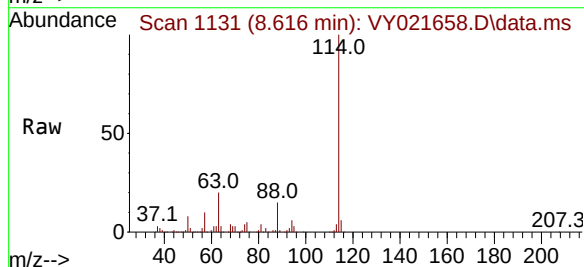
Tgt Ion:114 Resp: 372865

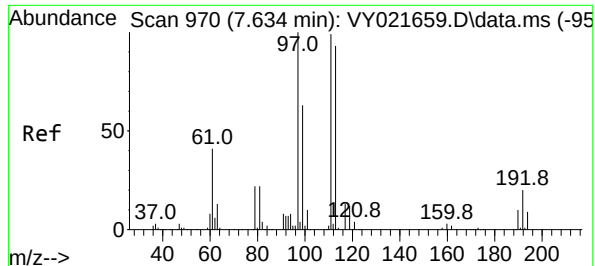
Ion Ratio Lower Upper

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 :

VSTDIC020

Tgt Ion:113 Resp: 43318

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

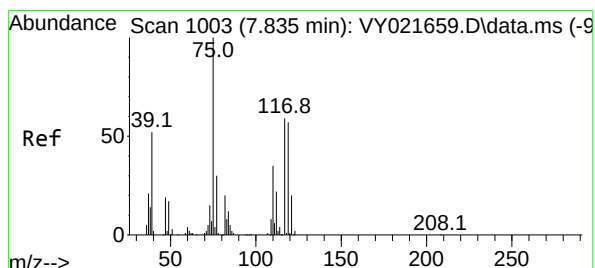
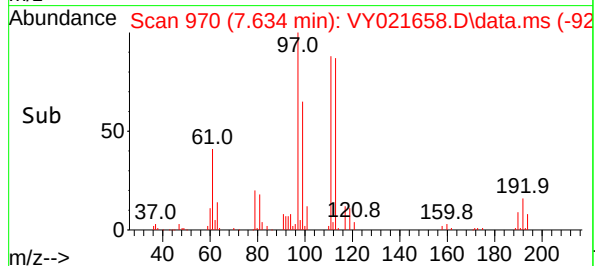
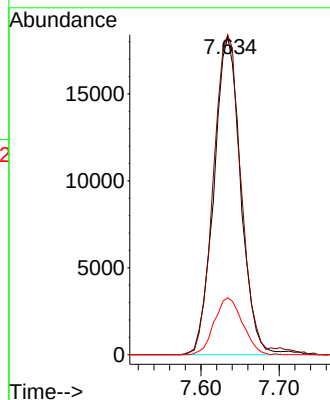
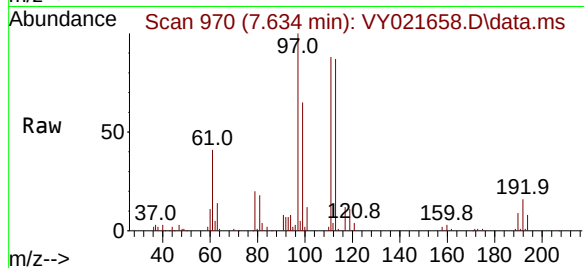
192 19.0 16.2 24.4

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

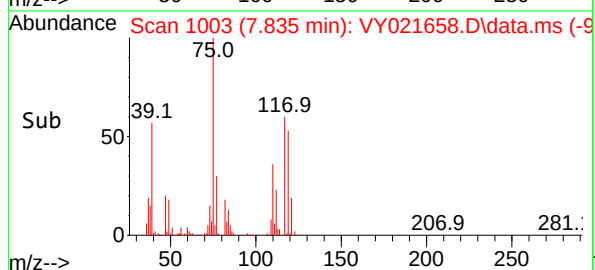
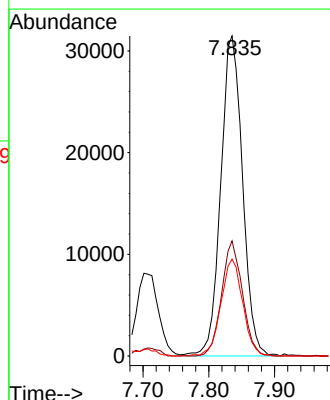
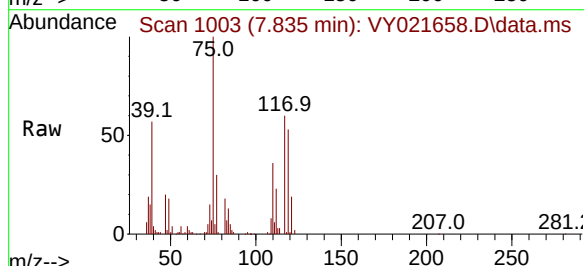
Tgt Ion: 75 Resp: 72566

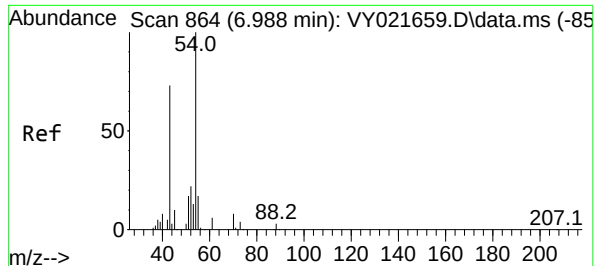
Ion Ratio Lower Upper

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 :

VSTDIC020

Tgt Ion: 43 Resp: 3231

Ion Ratio Lower Upper

43 100

61 12.1 11.0 16.6

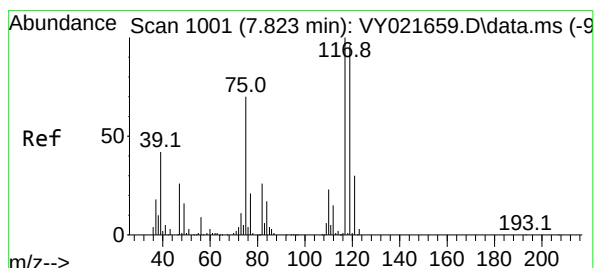
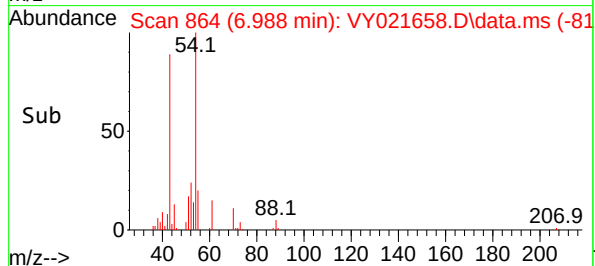
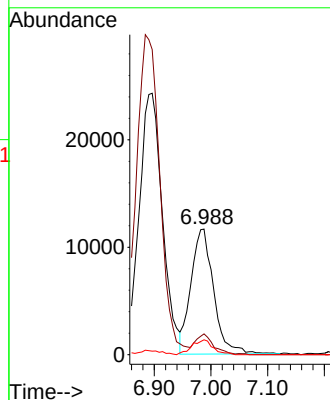
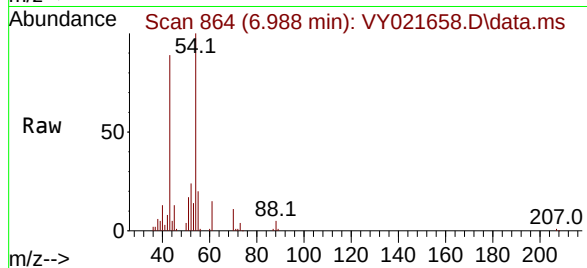
70 10.9 8.1 12.1

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

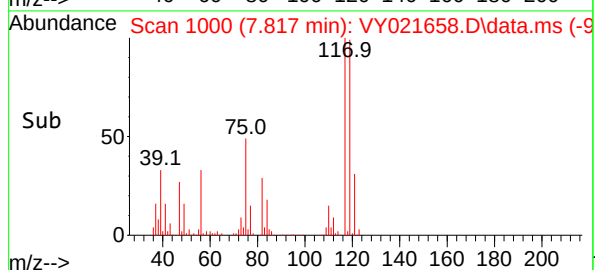
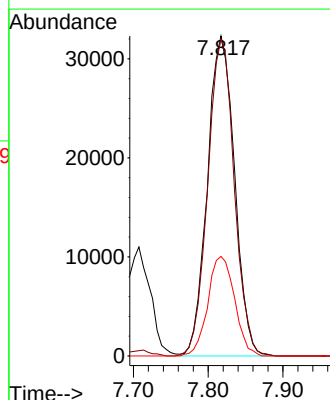
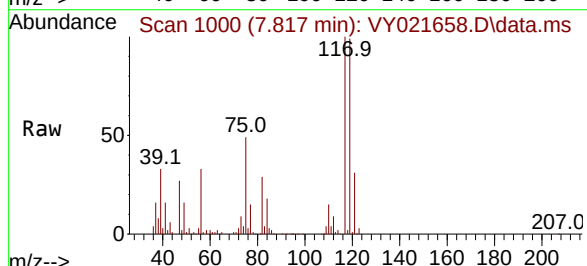
Tgt Ion:117 Resp: 81472

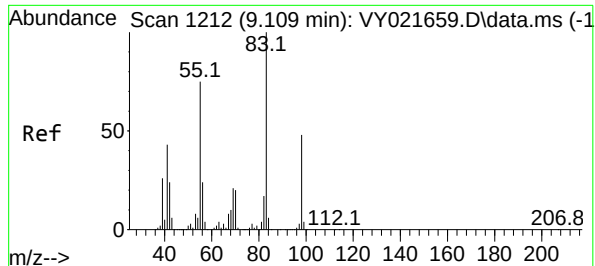
Ion Ratio Lower Upper

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 :

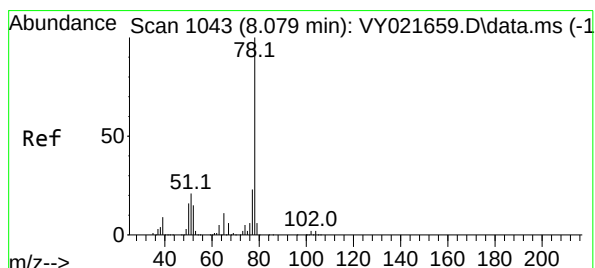
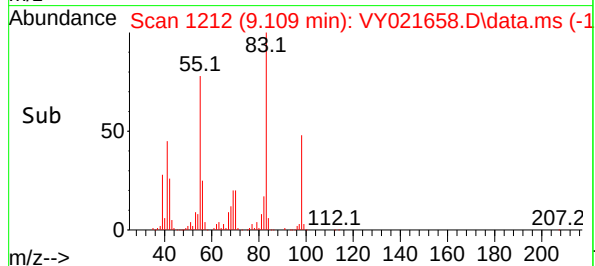
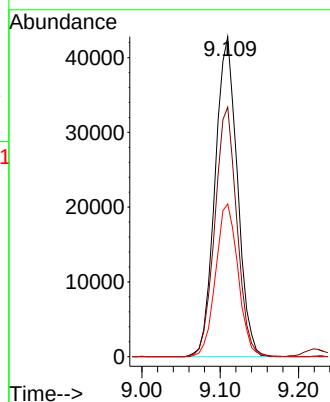
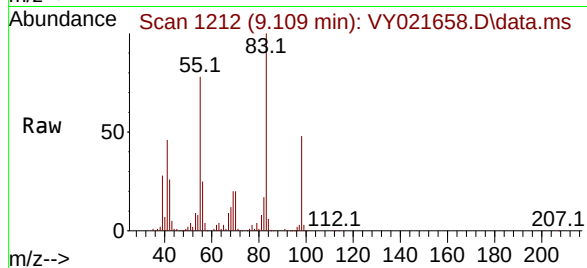
VSTDIC020

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

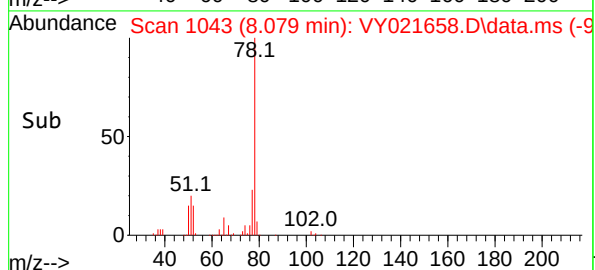
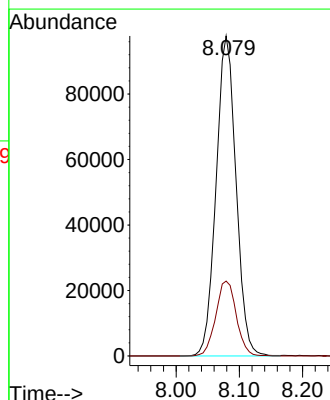
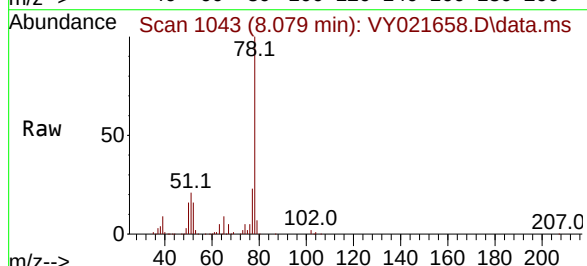
RT: 8.079 min Scan# 1043

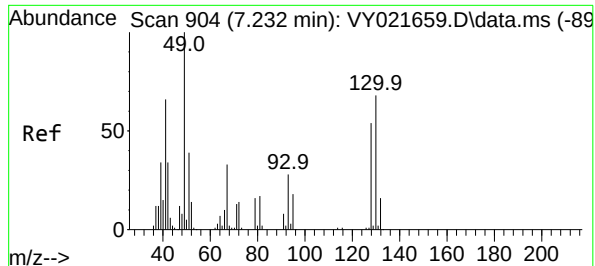
Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

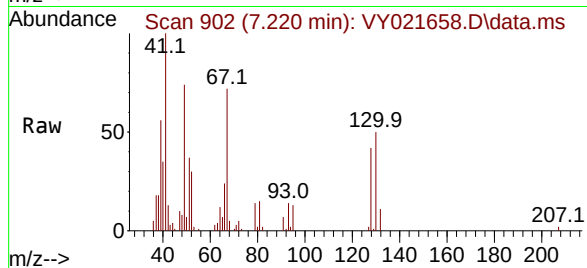
Tgt Ion:	78	Resp:	213074
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#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

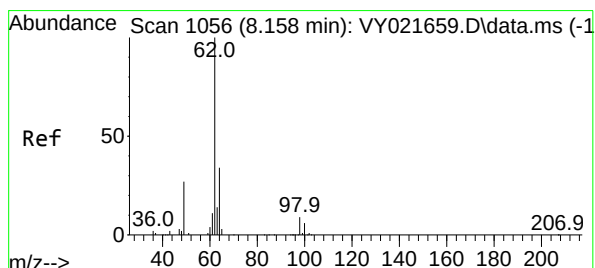
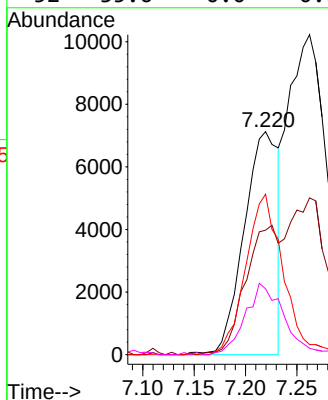
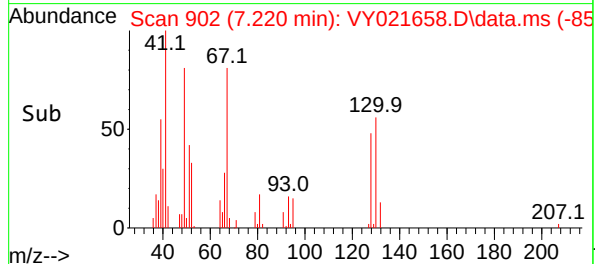
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

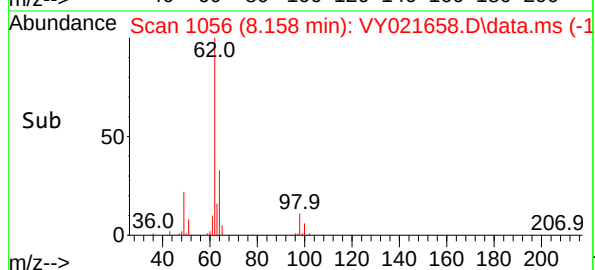
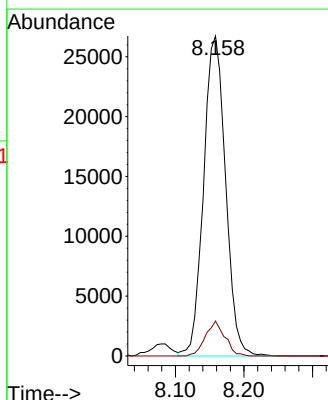
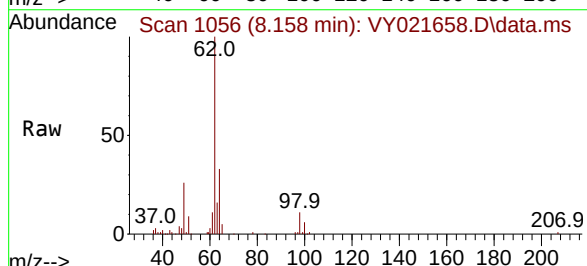
Manual Integrations
APPROVED

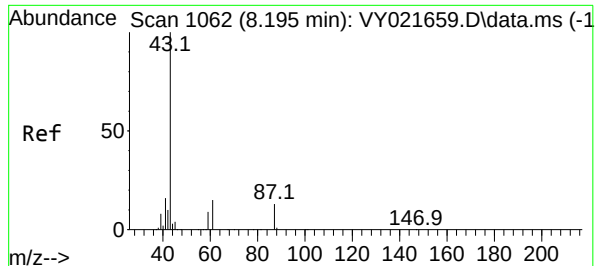
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

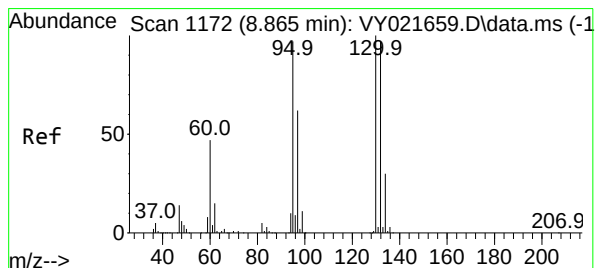
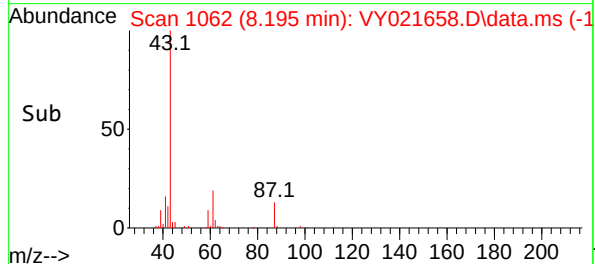
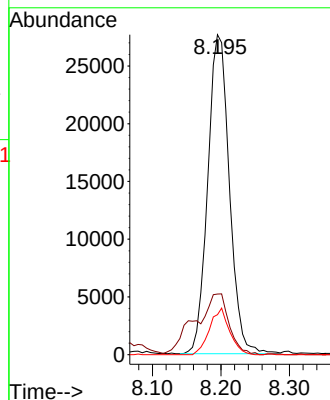
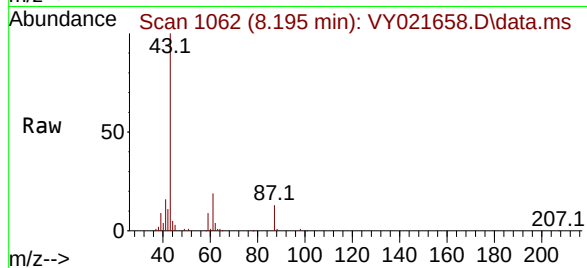
VSTDIC020

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

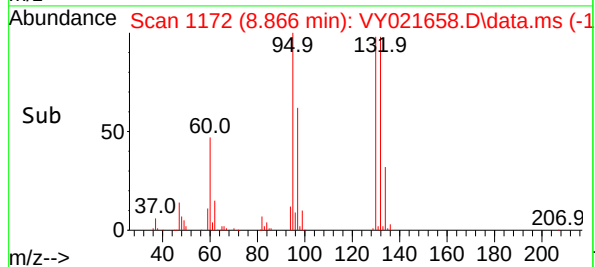
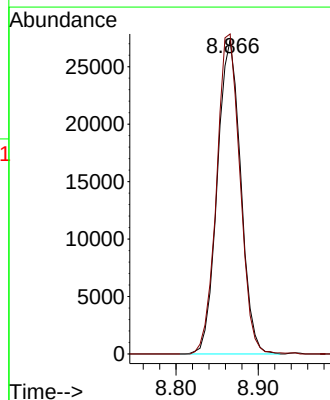
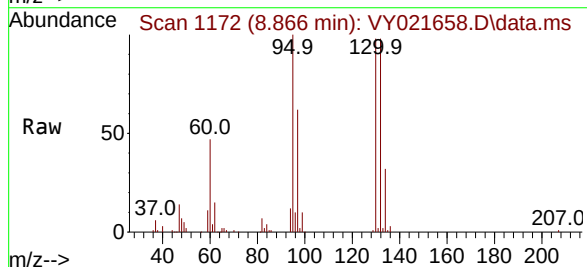
RT: 8.866 min Scan# 1172

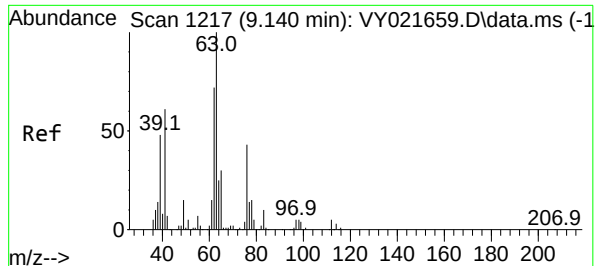
Delta R.T. 0.000 min

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

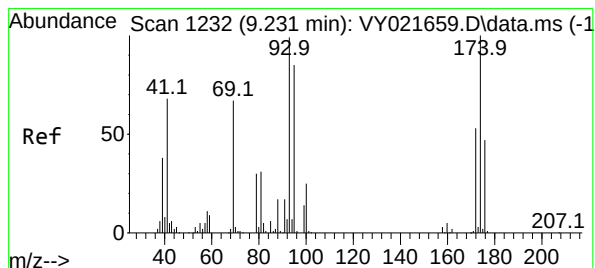
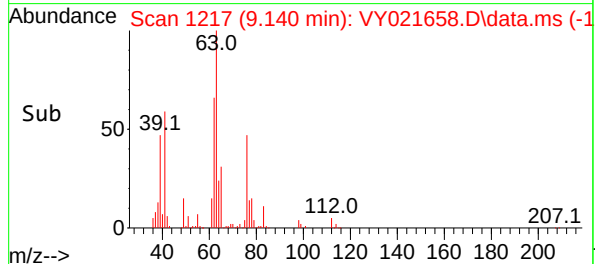
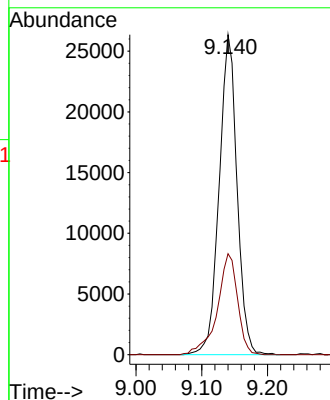
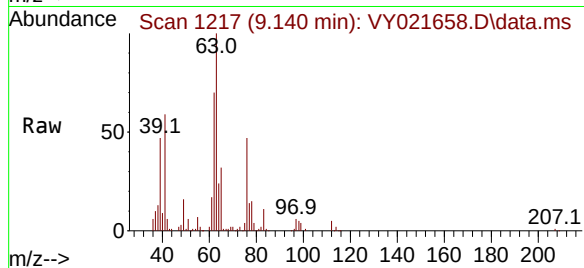
65 31.5 24.4 36.6

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

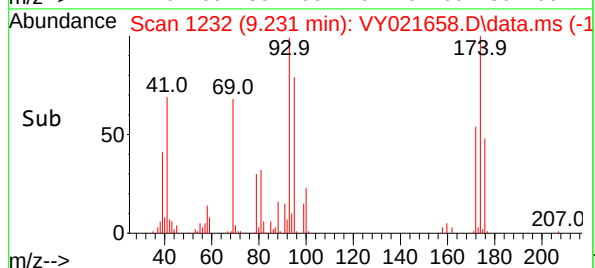
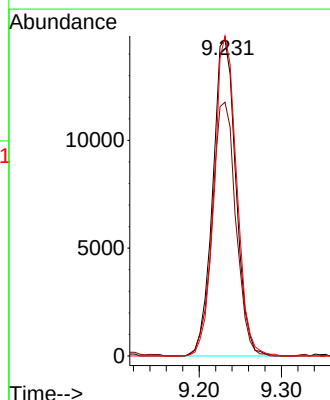
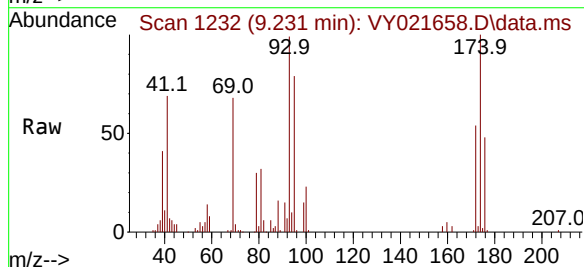
Tgt Ion: 93 Resp: 28698

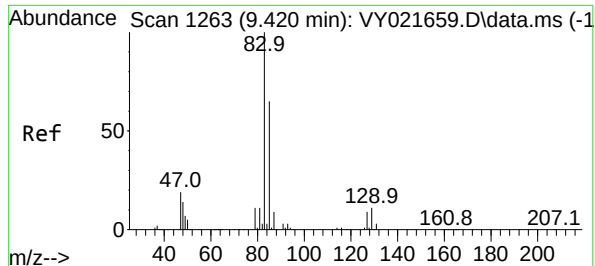
Ion Ratio Lower Upper

93 100

95 81.9 68.1 102.1

174 97.9 80.9 121.3





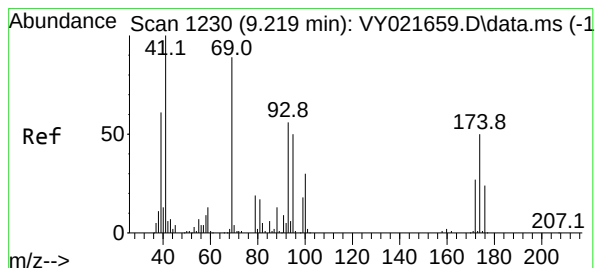
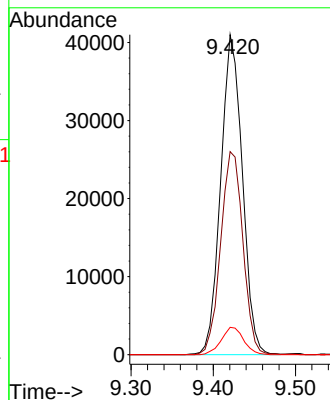
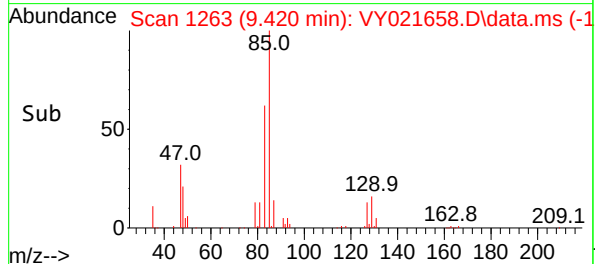
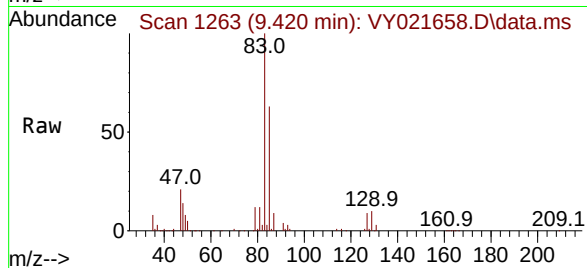
#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

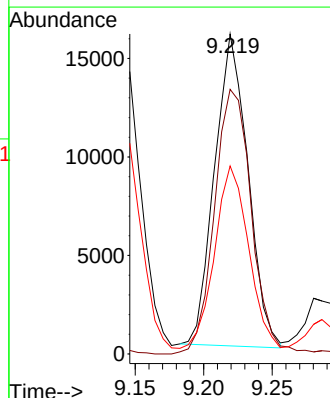
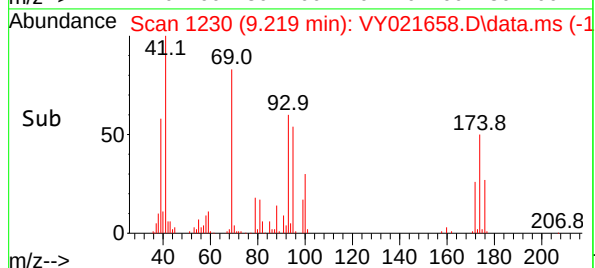
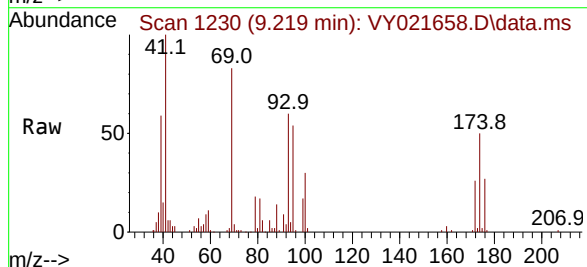
Manual Integrations
APPROVED

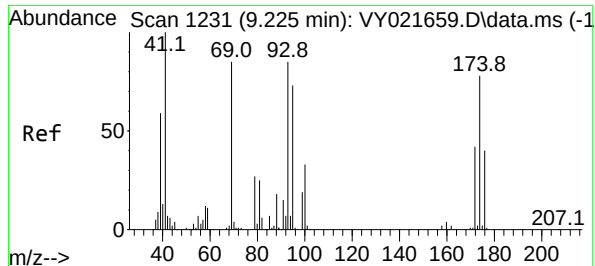
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDICC020

Tgt Ion: 88 Resp: 6260

Ion Ratio Lower Upper

88 100

43 36.8 28.8 43.2

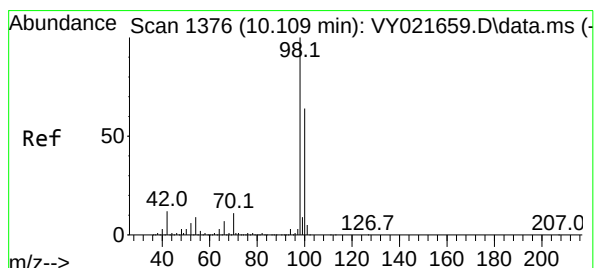
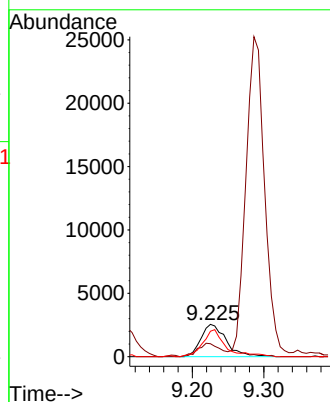
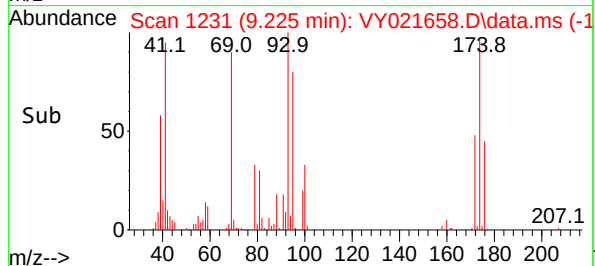
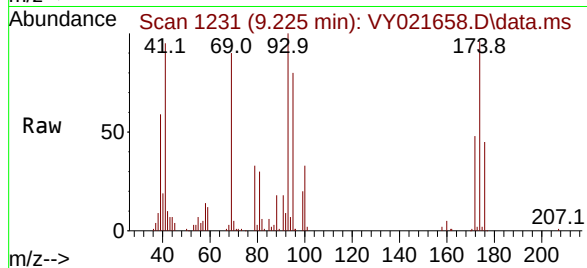
58 75.8 59.4 89.2

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

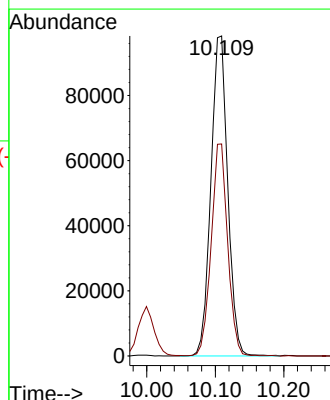
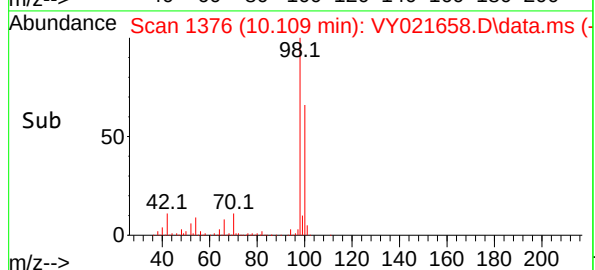
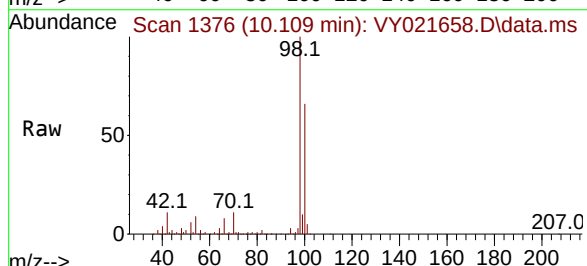
Acq: 27 Mar 2025 10:54

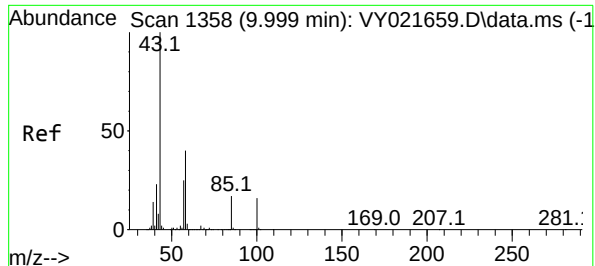
Tgt Ion: 98 Resp: 168040

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1





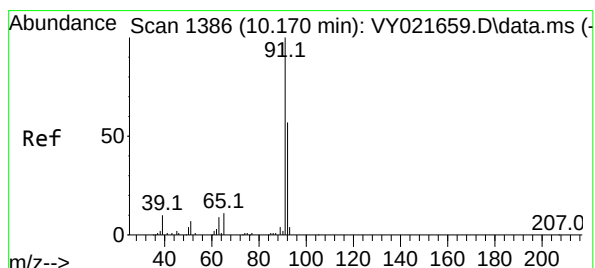
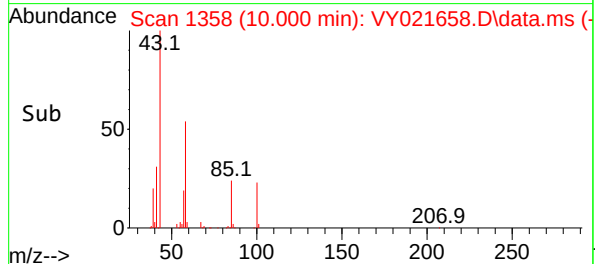
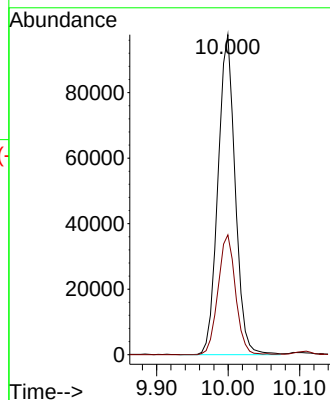
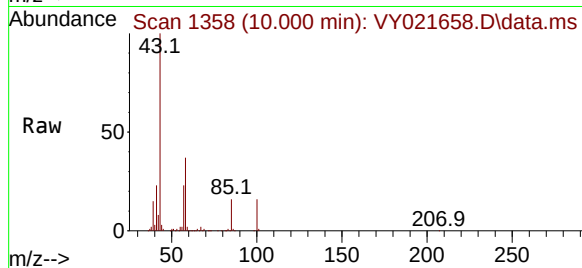
#51
4-Methyl-2-Pentanone
Concen: 95.304 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

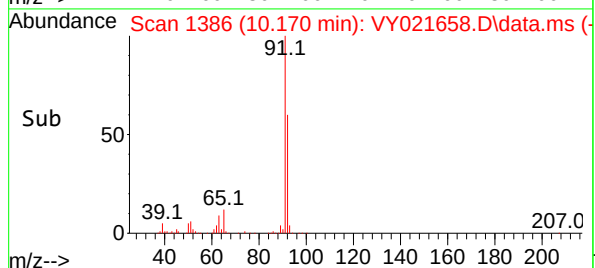
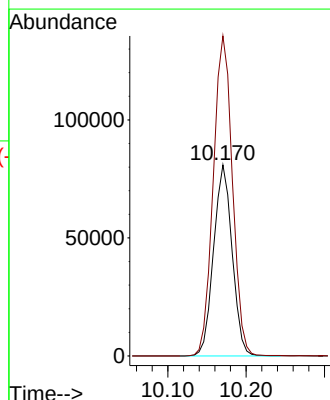
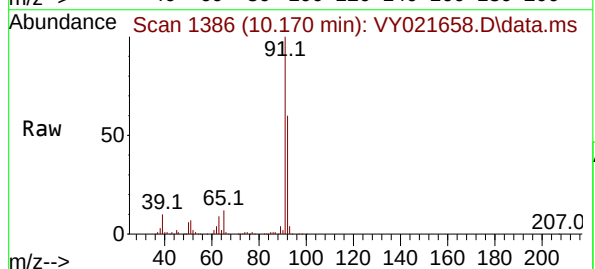
Manual Integrations
APPROVED

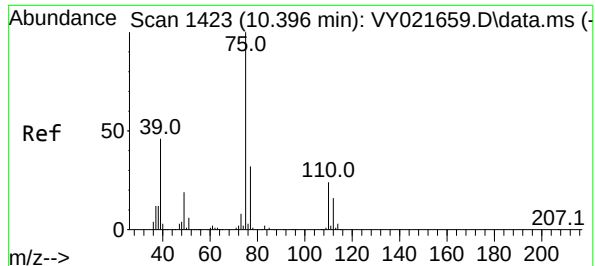
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





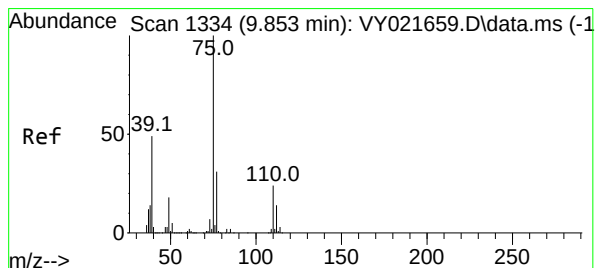
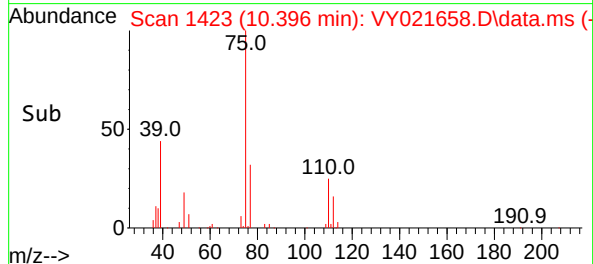
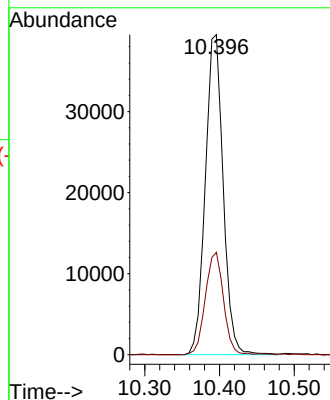
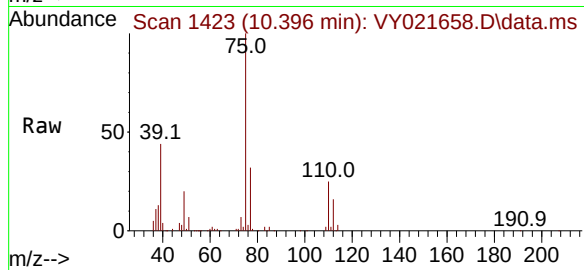
#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

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

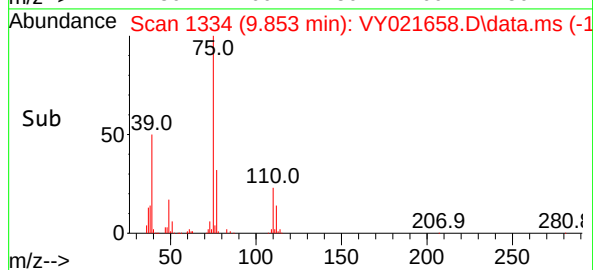
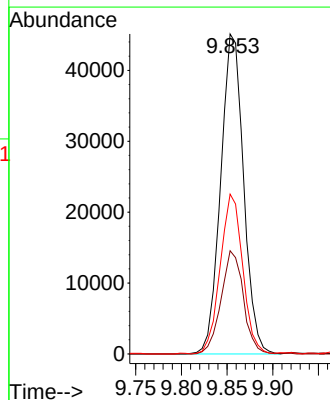
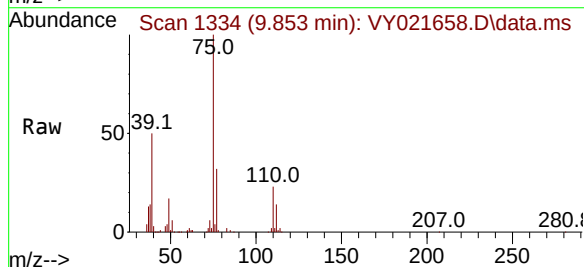
Manual Integrations
APPROVED

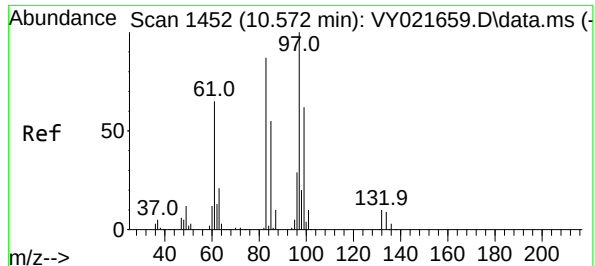
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

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

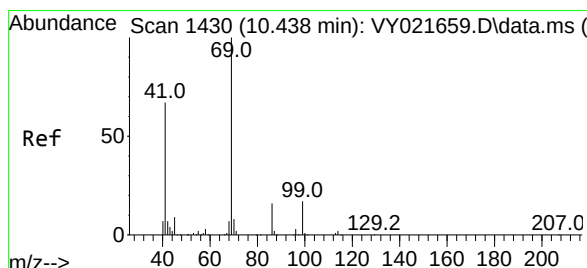
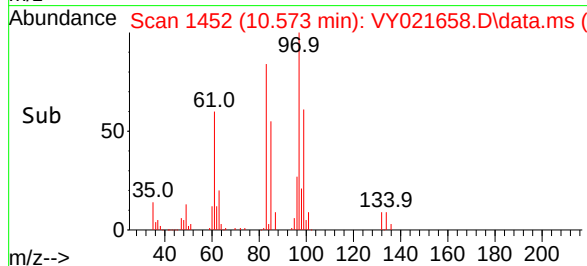
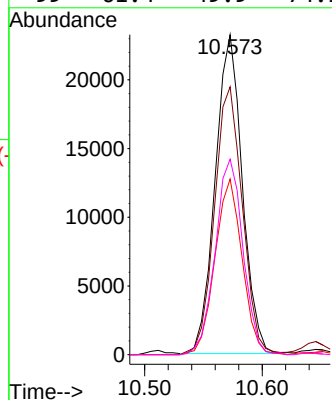
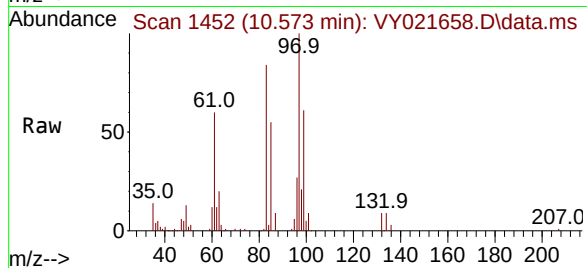
99 61.4 49.9 74.9

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

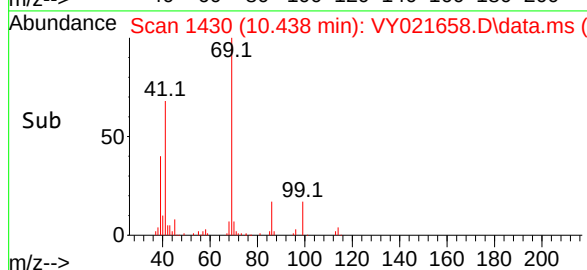
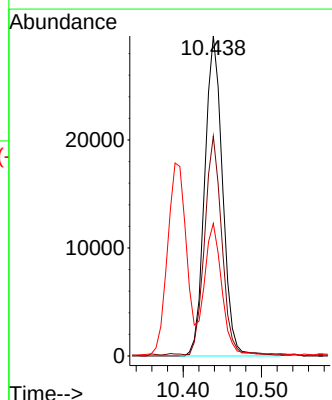
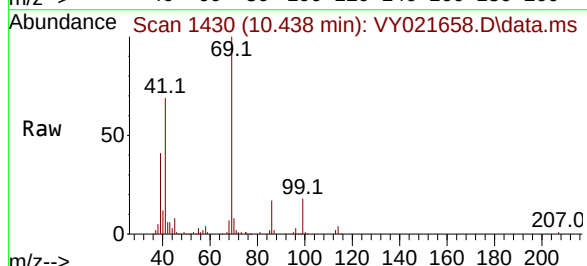
Tgt Ion: 69 Resp: 46833

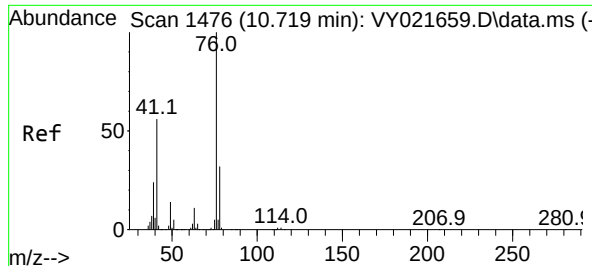
Ion Ratio Lower Upper

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

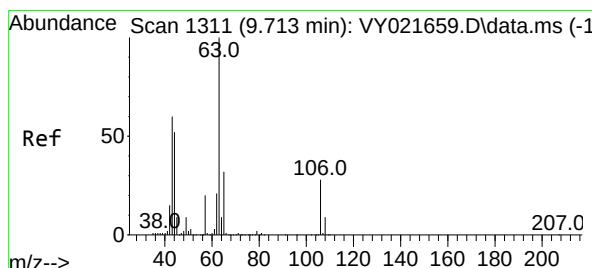
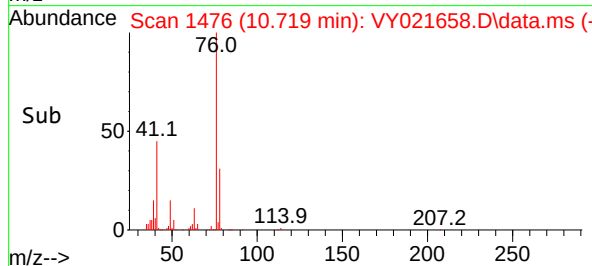
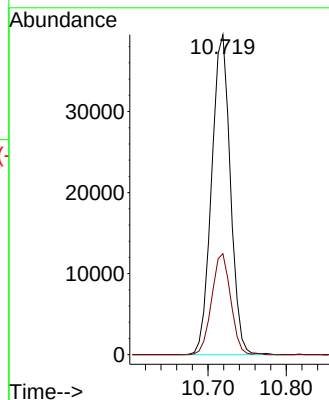
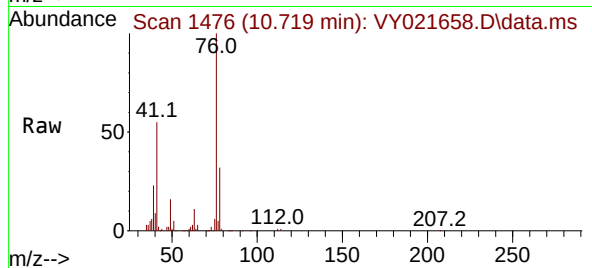
78 32.1 25.8 38.8

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

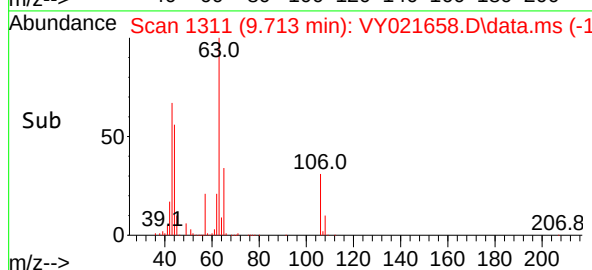
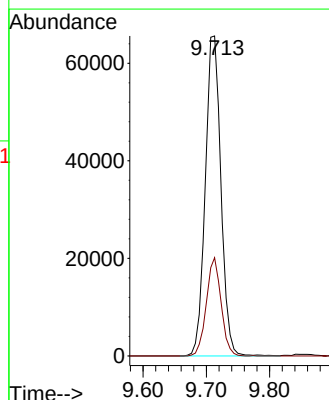
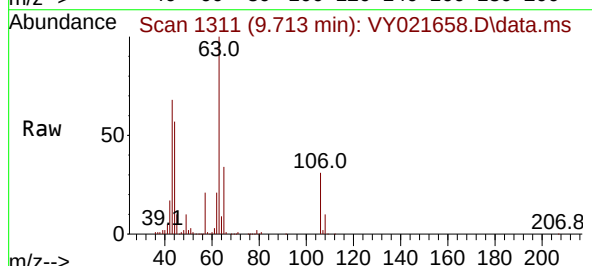
Acq: 27 Mar 2025 10:54

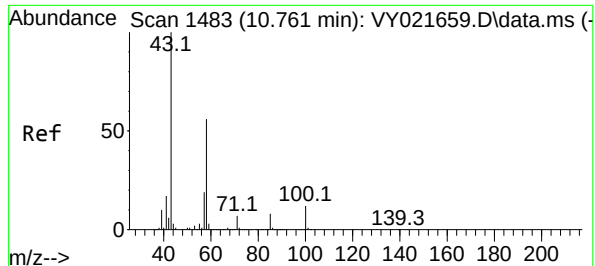
Tgt Ion: 63 Resp: 112947

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 :

VSTDICC020

Tgt Ion: 43 Resp: 107618

Ion Ratio Lower Upper

43 100

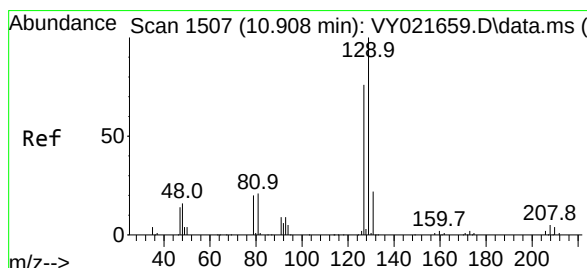
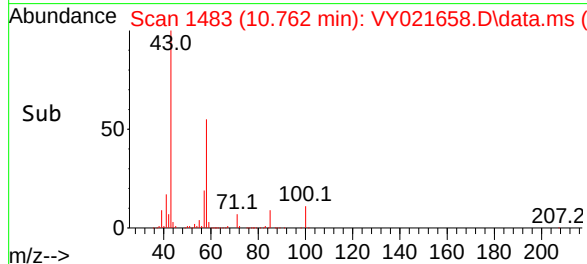
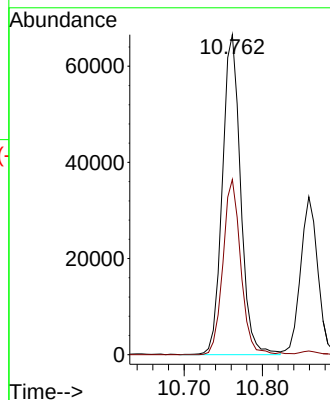
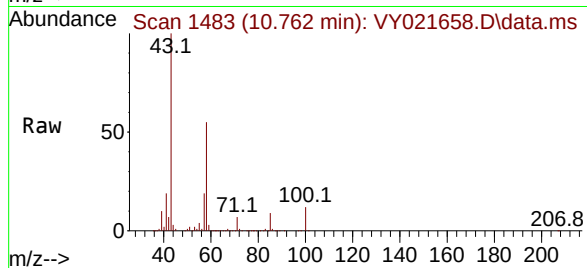
58 53.3 27.2 81.5

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

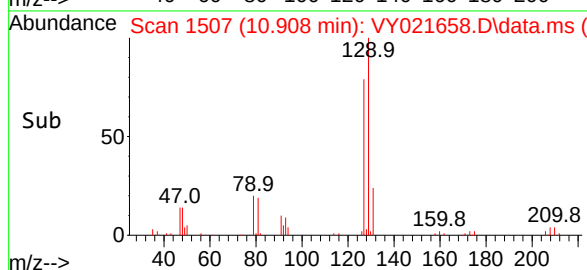
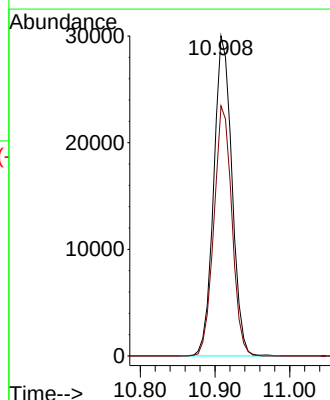
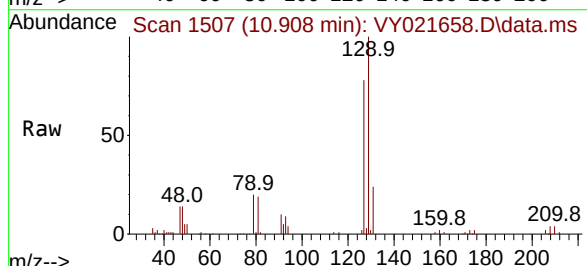
Acq: 27 Mar 2025 10:54

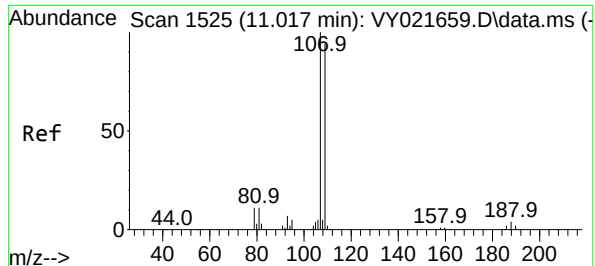
Tgt Ion:129 Resp: 50740

Ion Ratio Lower Upper

129 100

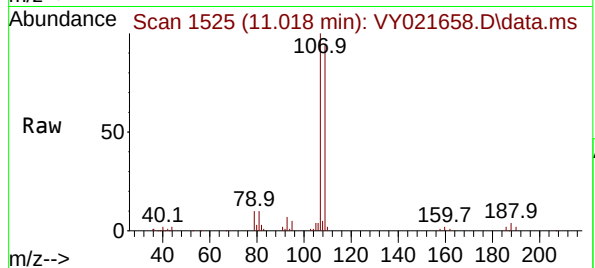
127 77.2 38.6 115.7





#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

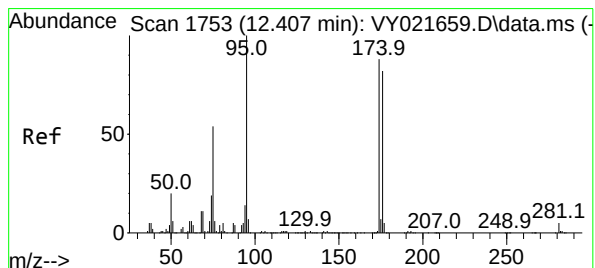
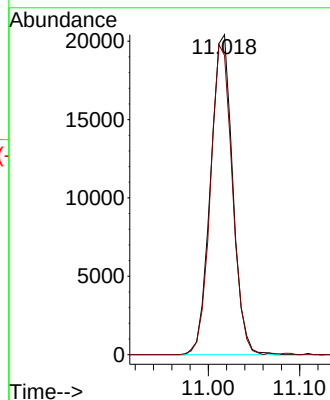
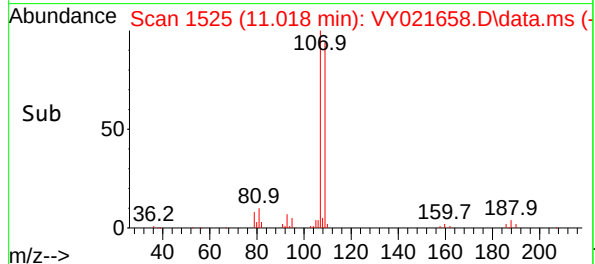
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

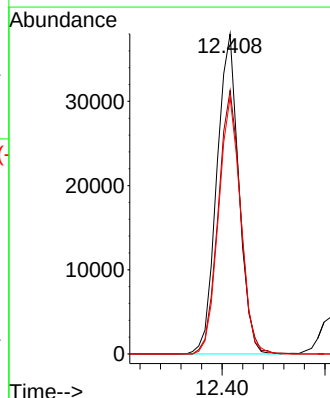
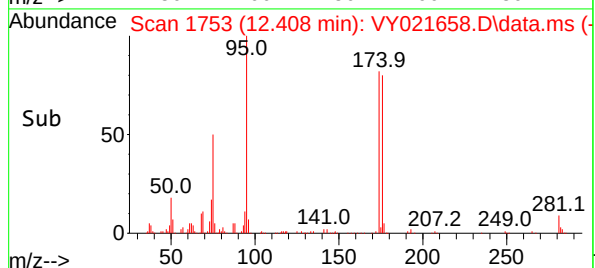
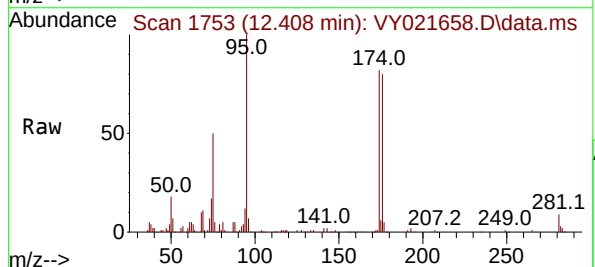
Manual Integrations
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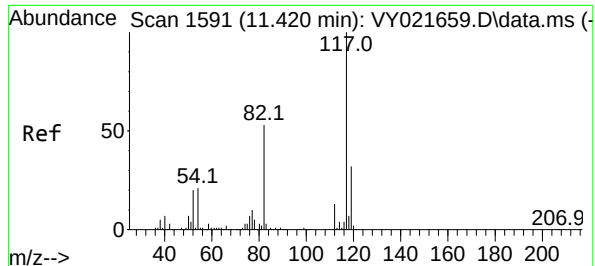
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC020

Tgt Ion:117 Resp: 32515

Ion Ratio Lower Upper

117 100

82 56.4 42.8 64.2

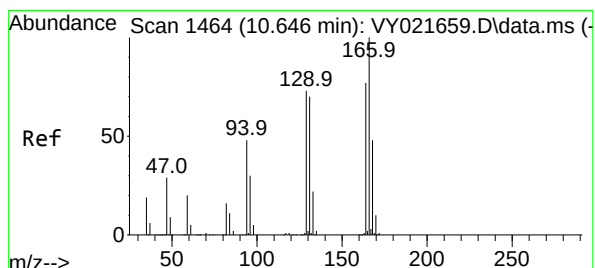
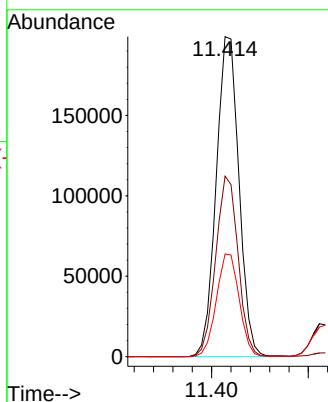
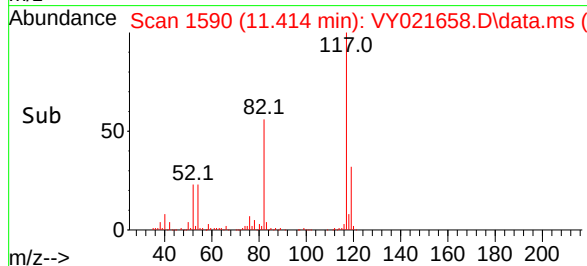
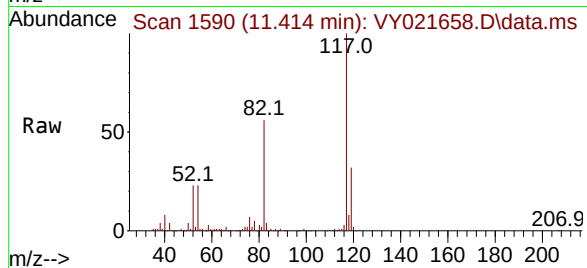
119 32.1 25.7 38.5

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

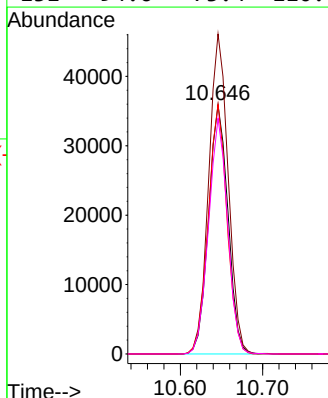
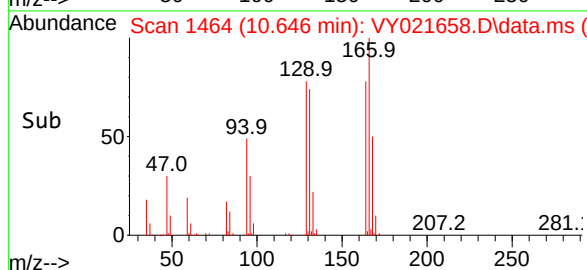
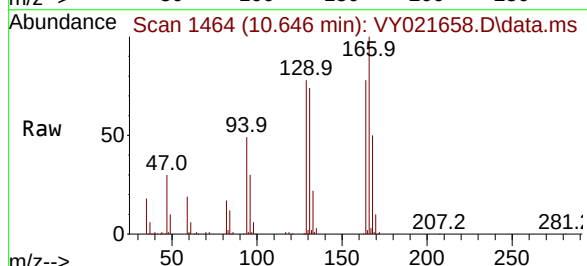
Ion Ratio Lower Upper

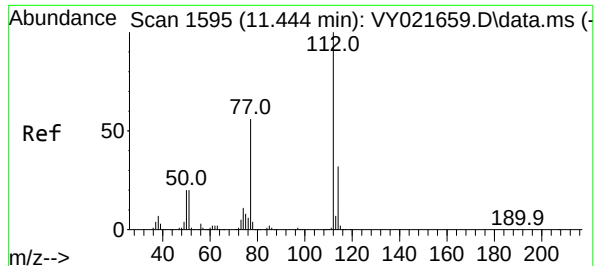
164 100

166 128.5 104.6 156.8

129 100.1 76.6 114.8

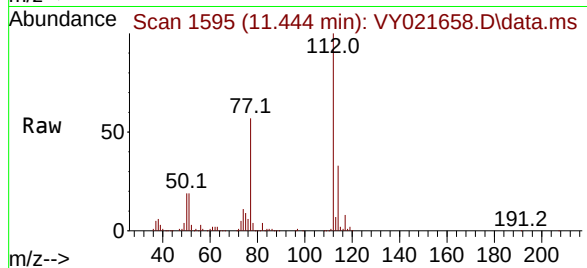
131 94.6 73.4 110.0





#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

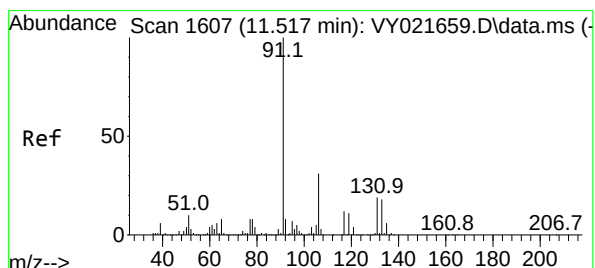
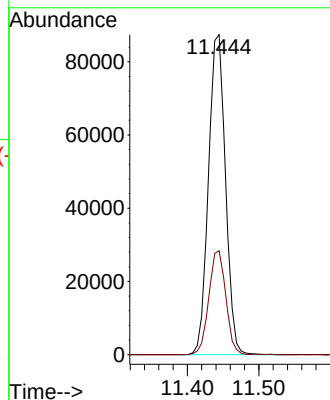
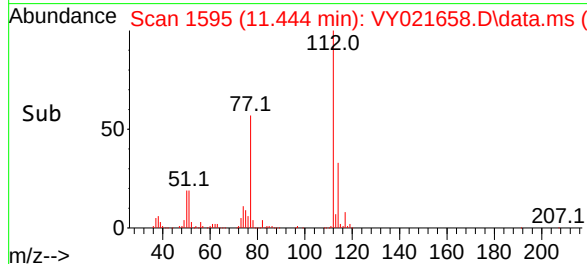
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 14441
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

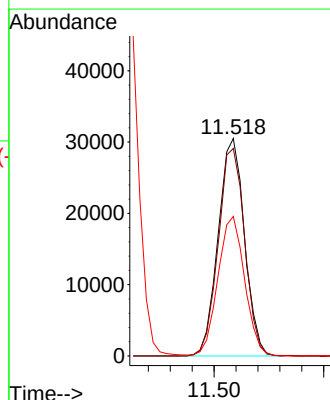
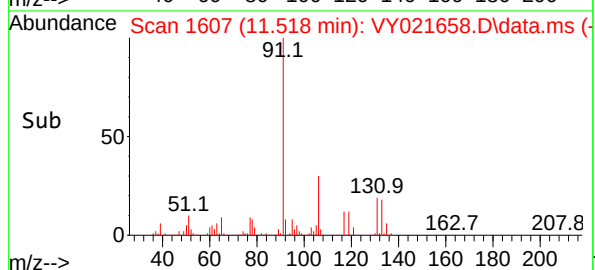
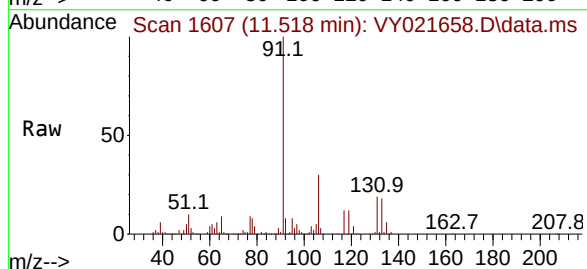
Manual Integrations
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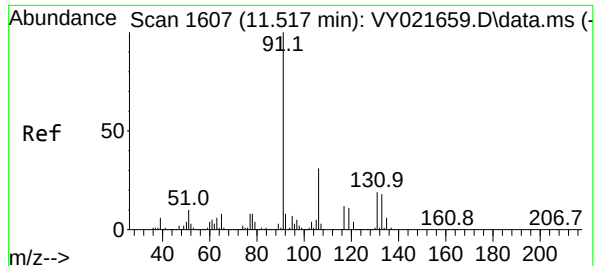
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 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

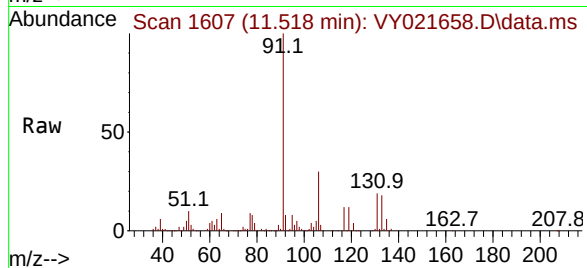
Tgt Ion:131 Resp: 50703
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 65.2 31.6 95.0





#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

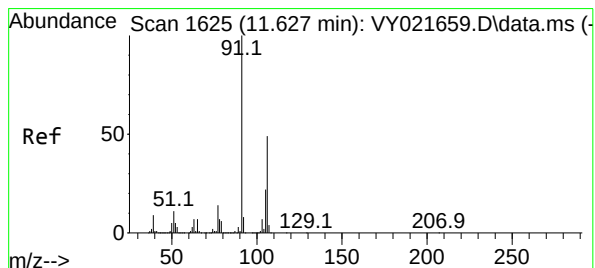
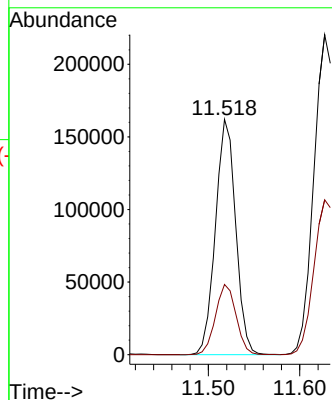
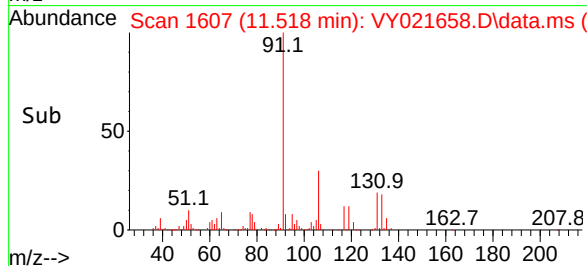
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion: 91 Resp: 249430
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8

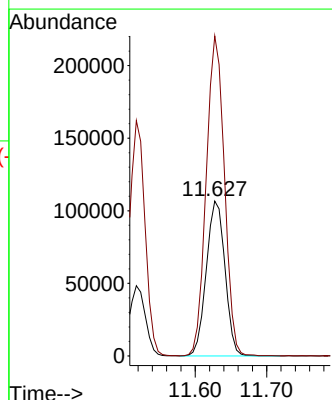
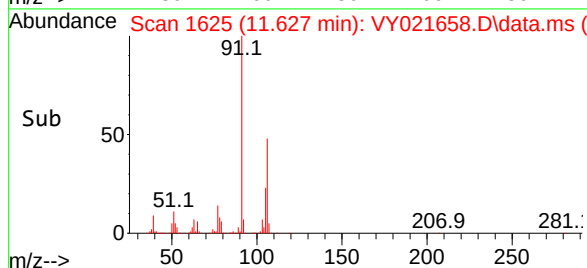
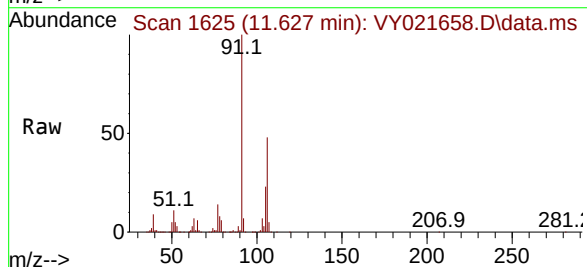
Manual Integrations
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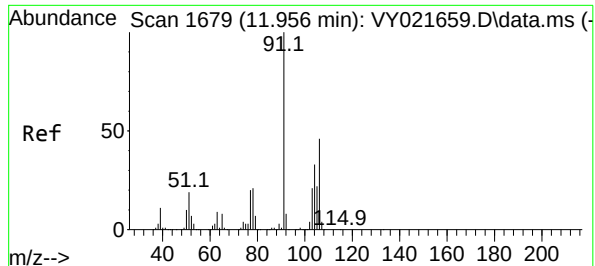
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





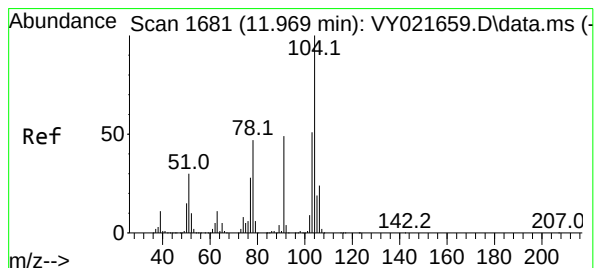
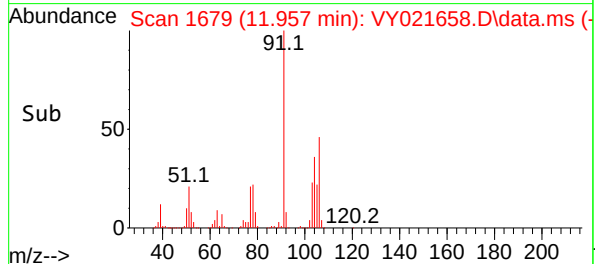
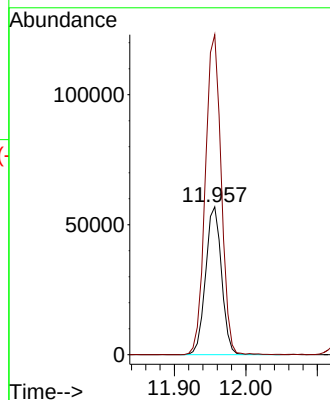
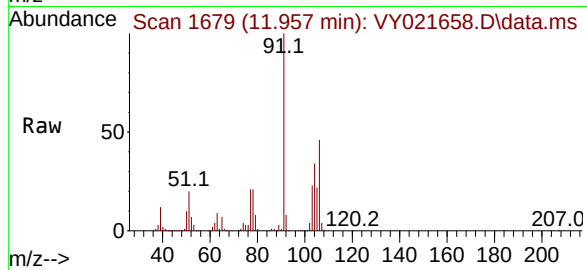
#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 87927
Ion Ratio Lower Upper
106 100
91 216.7 106.7 319.9

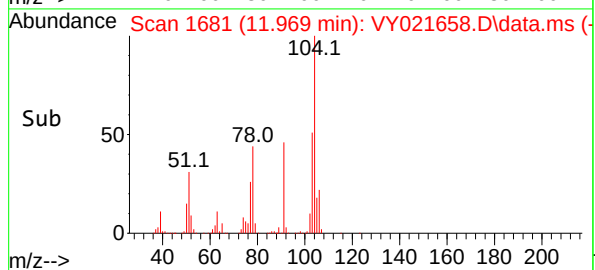
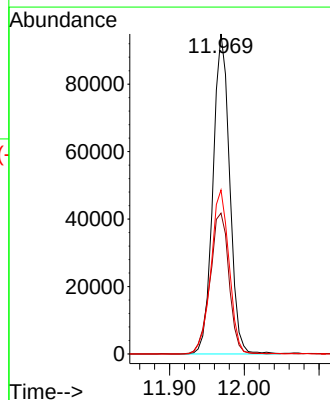
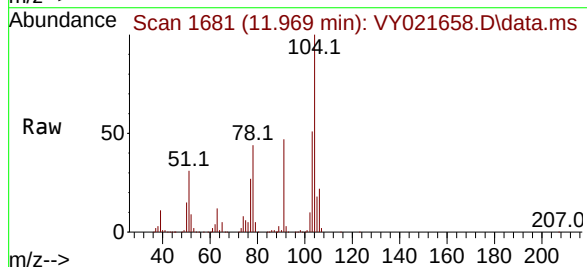
Manual Integrations
APPROVED

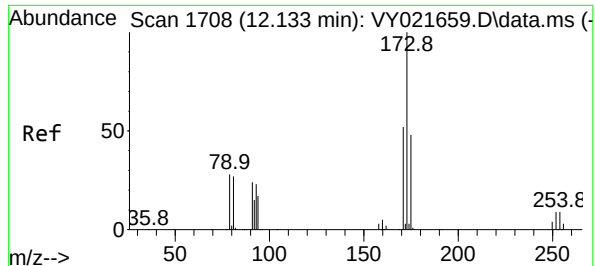
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

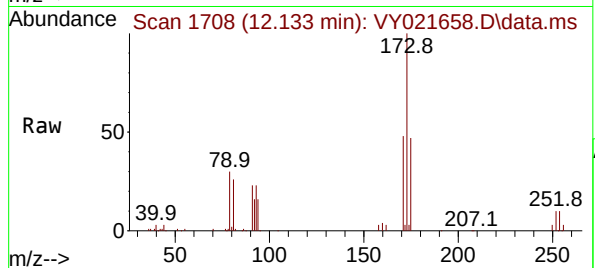
Tgt Ion:104 Resp: 147490
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 55.7 44.2 66.2





#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

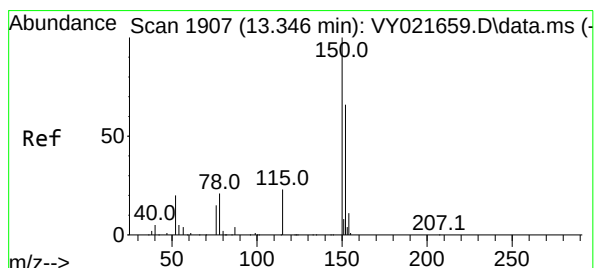
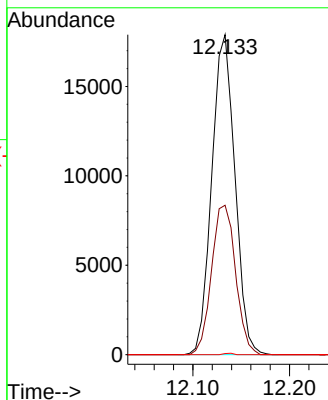
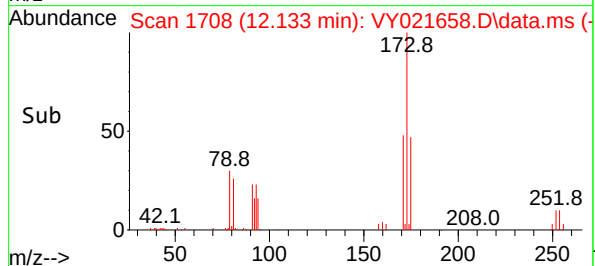
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

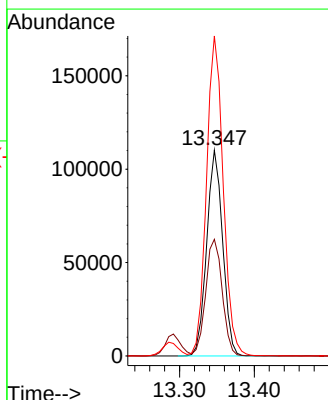
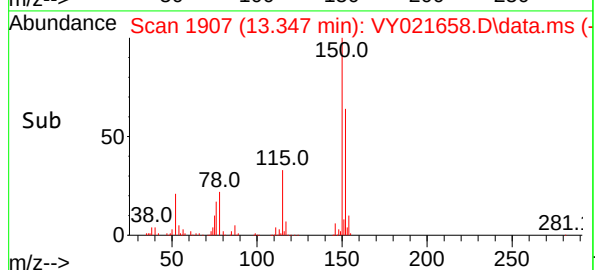
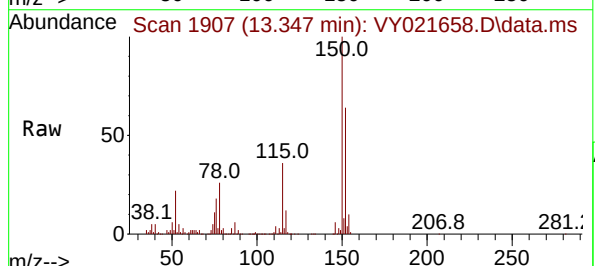
Manual Integrations
APPROVED

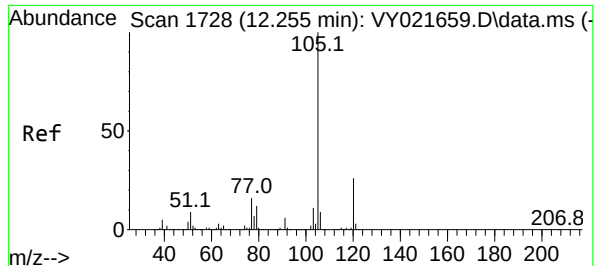
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

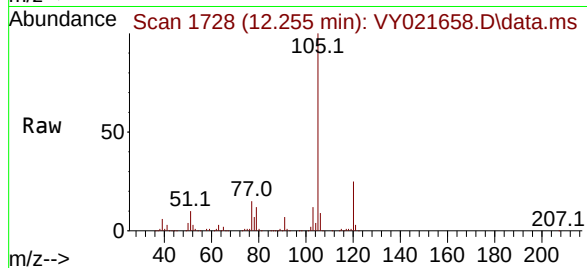
Tgt Ion:152 Resp: 163591
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 162.8 0.0 348.4





#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

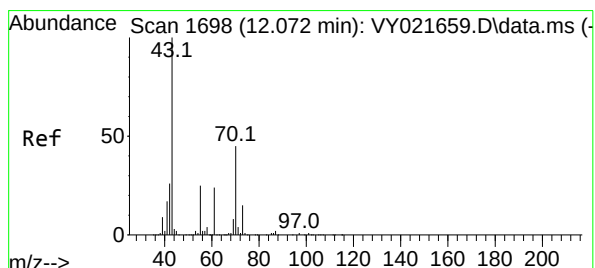
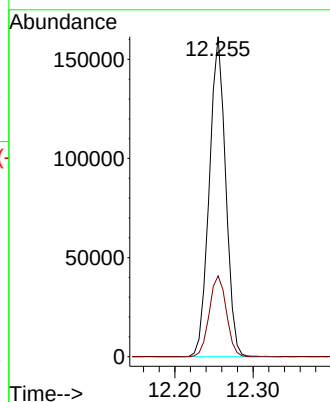
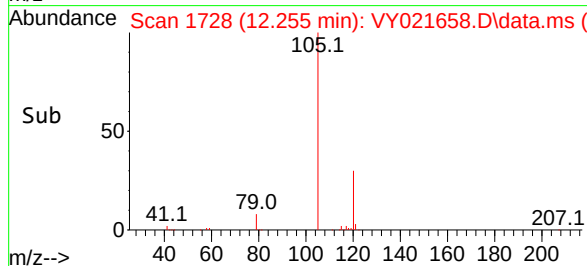
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

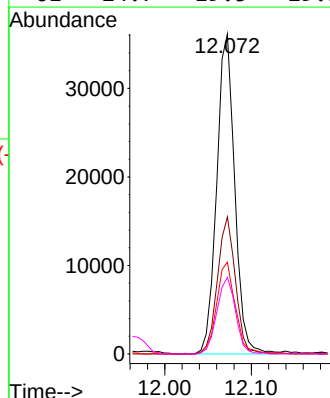
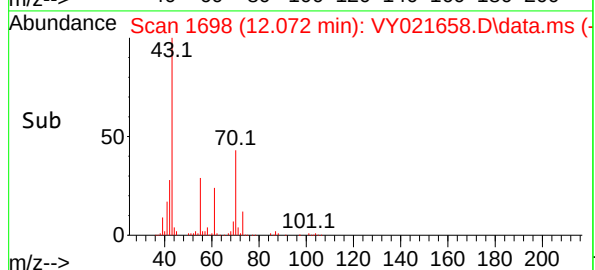
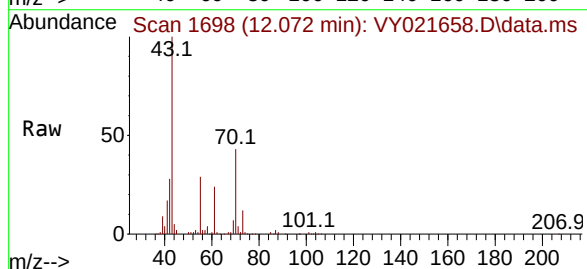
Manual Integrations
APPROVED

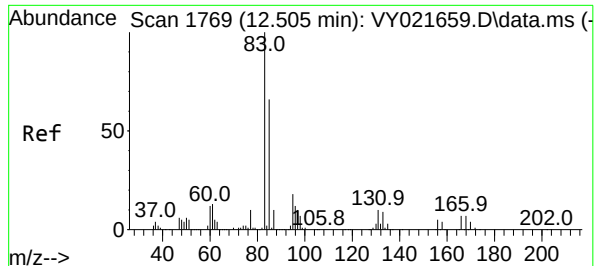
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





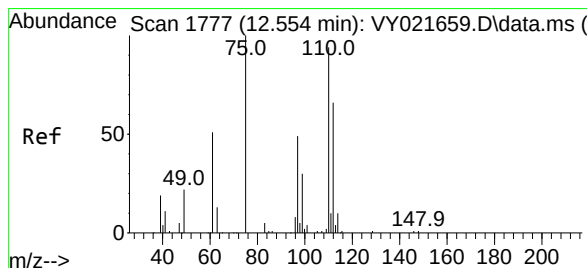
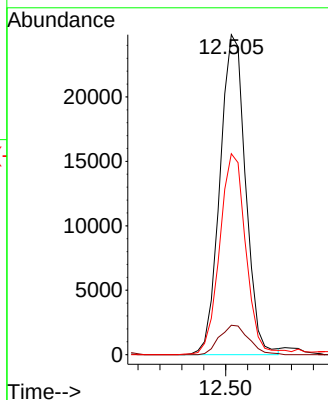
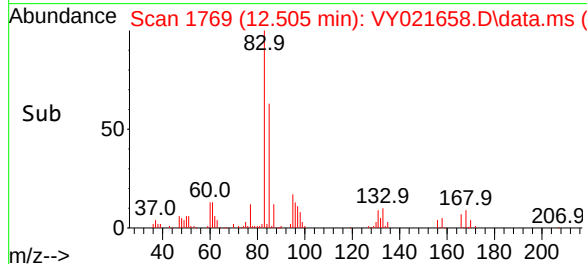
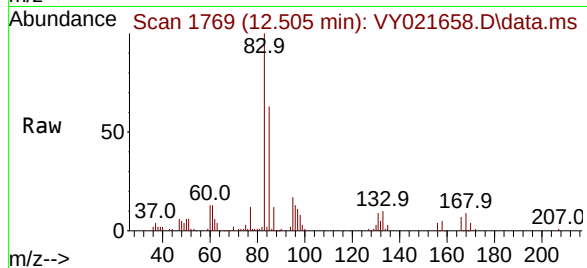
#75
1,1,2,2-Tetrachloroethane
Concen: 18.438 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

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

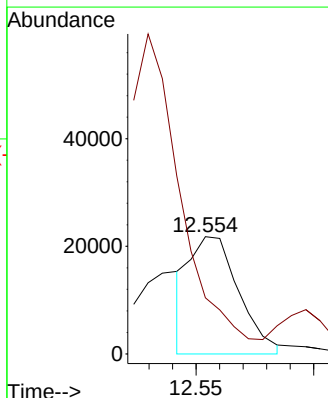
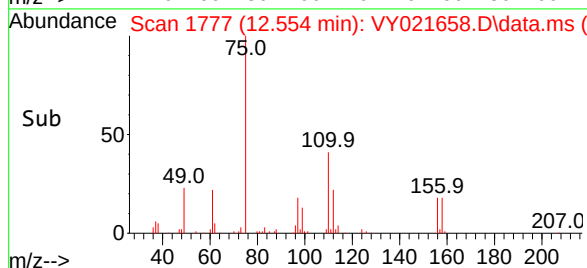
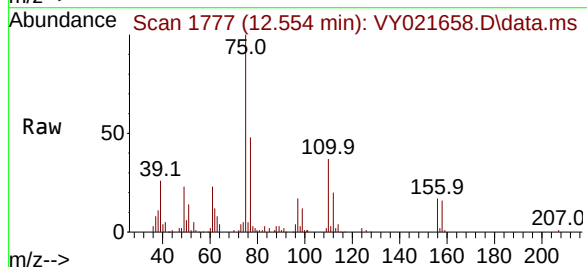
Manual Integrations
APPROVED

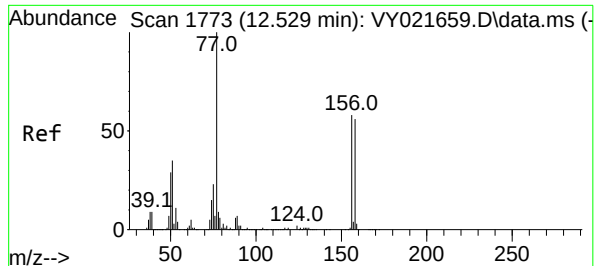
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

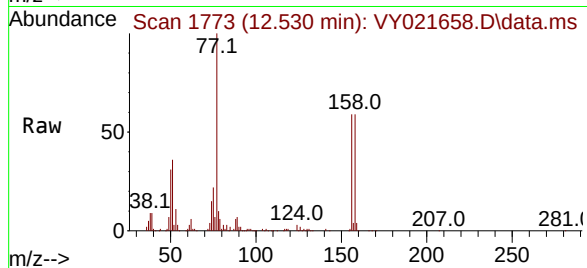
Tgt Ion: 75 Resp: 31855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

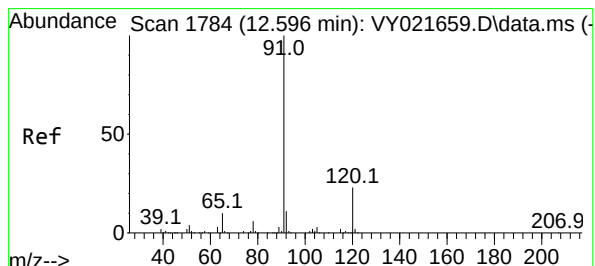
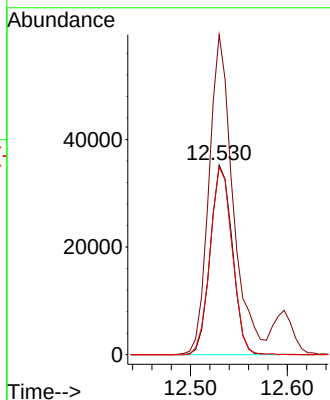
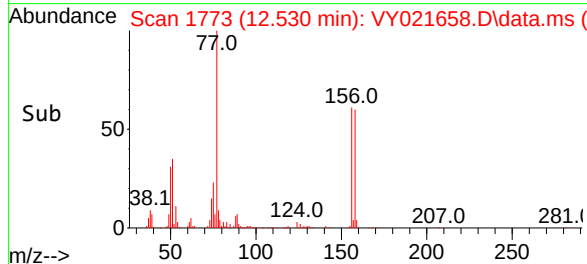
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



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

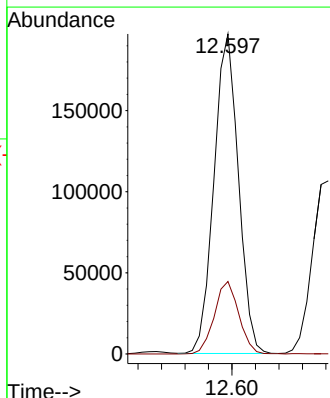
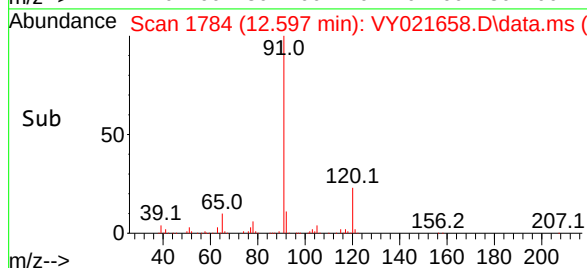
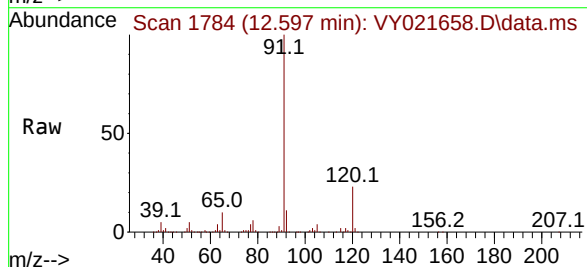
Manual Integrations
APPROVED

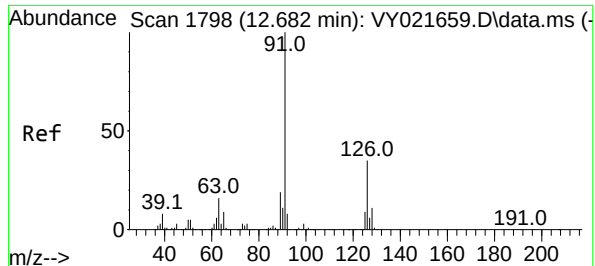
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

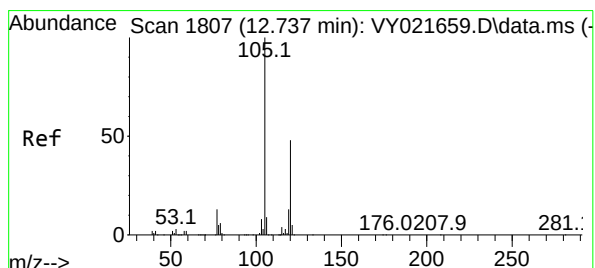
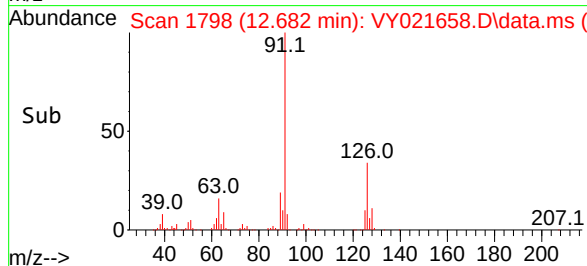
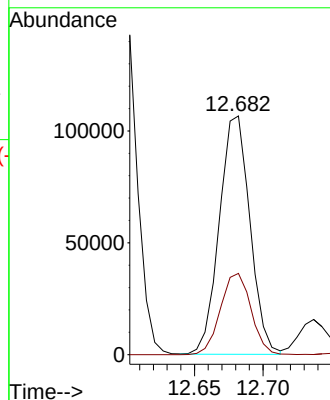
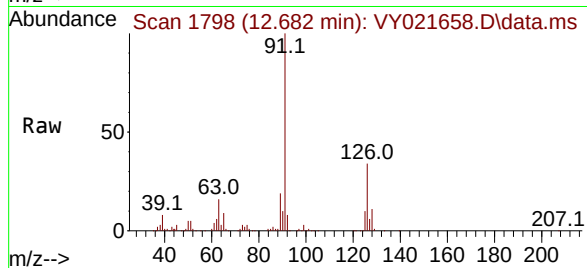
126 34.0 17.3 52.0

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

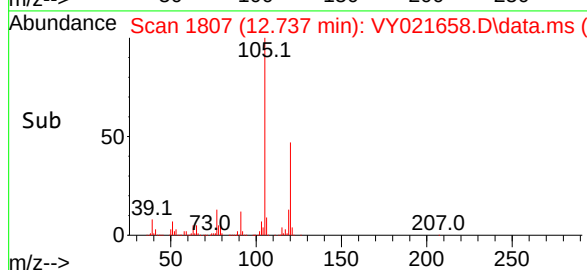
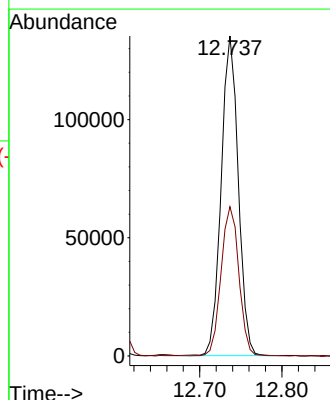
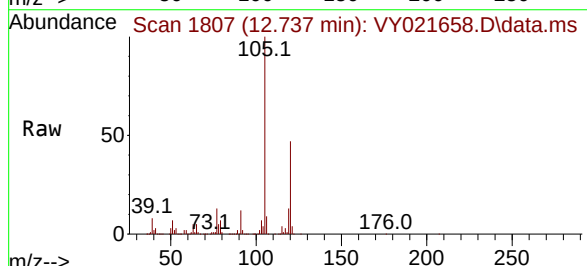
Acq: 27 Mar 2025 10:54

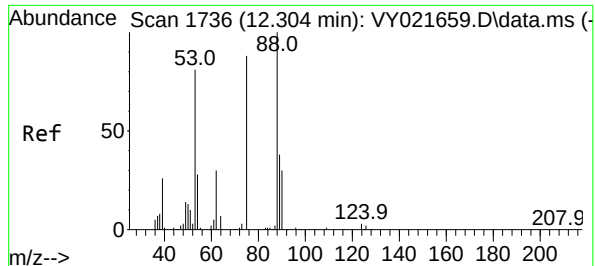
Tgt Ion:105 Resp: 195141

Ion Ratio Lower Upper

105 100

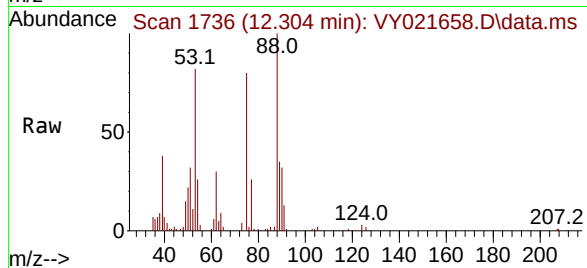
120 48.8 24.5 73.5





#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

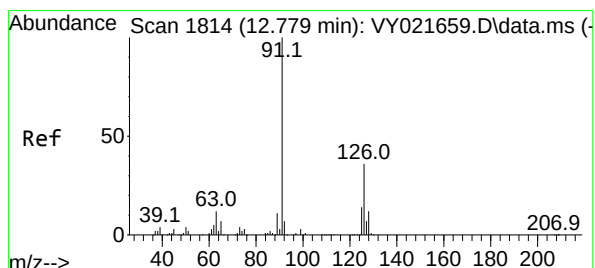
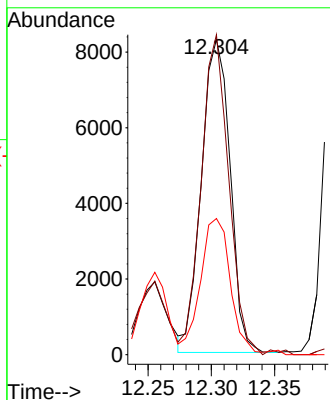
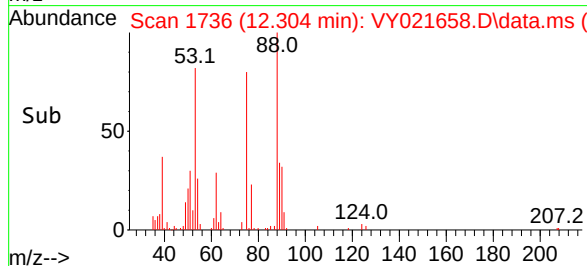
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 1302
Ion Ratio Lower Upper
75 100
53 98.6 76.1 114.1
89 44.2 36.2 54.4

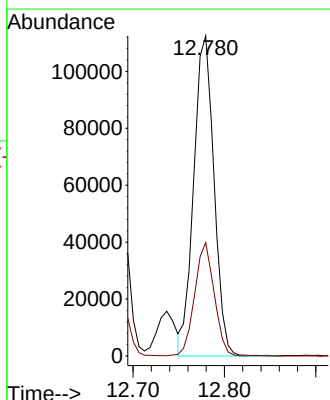
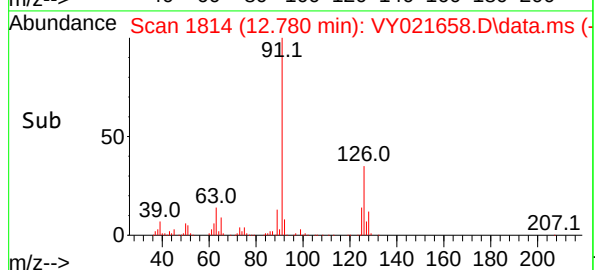
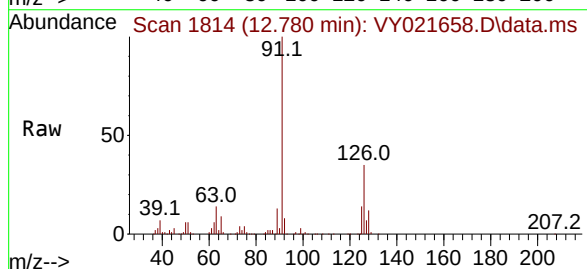
Manual Integrations
APPROVED

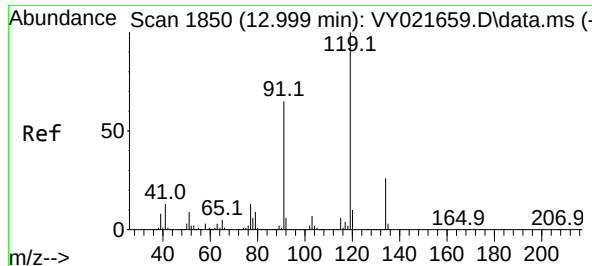
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

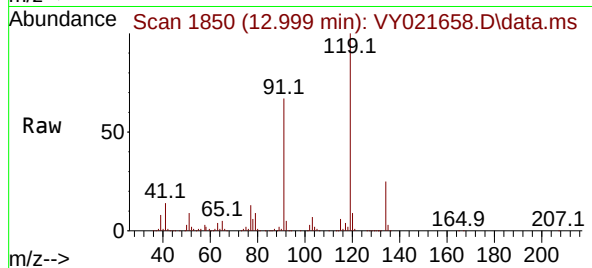
Tgt Ion: 91 Resp: 173311
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9





#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

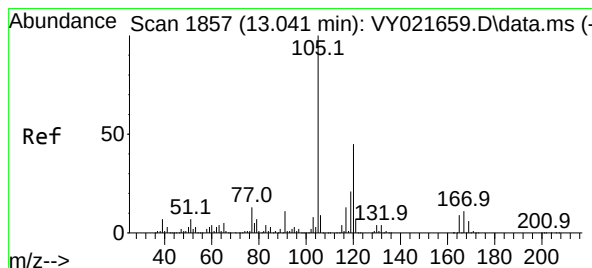
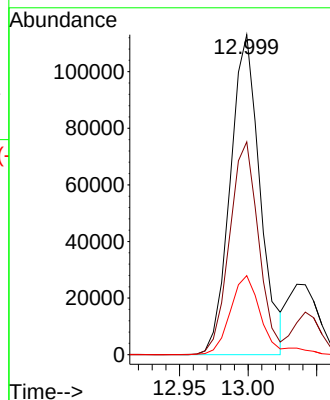
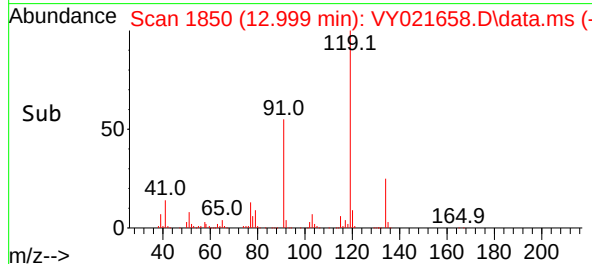
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



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

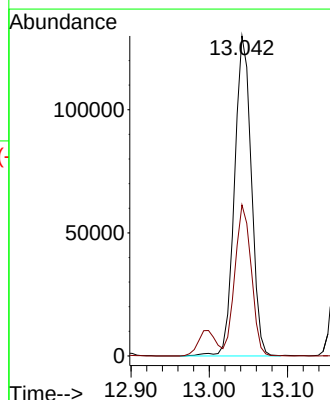
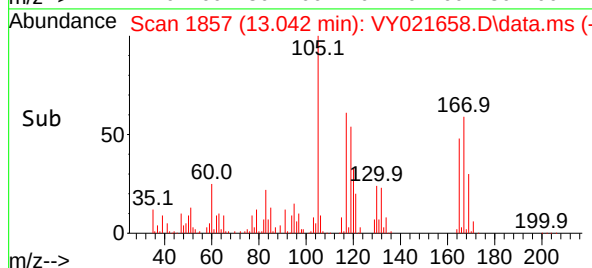
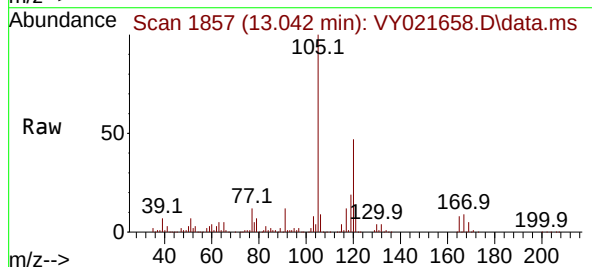
Manual Integrations
APPROVED

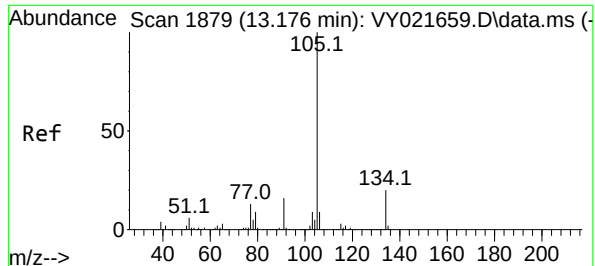
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

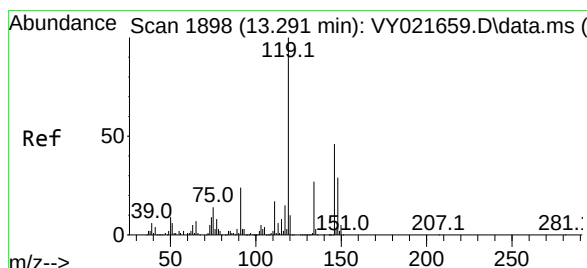
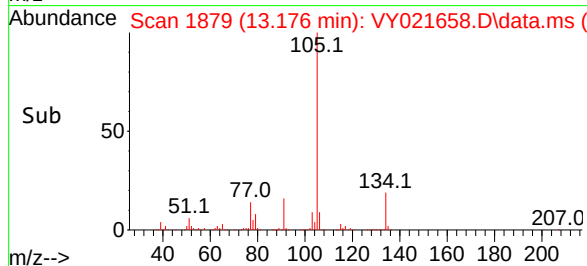
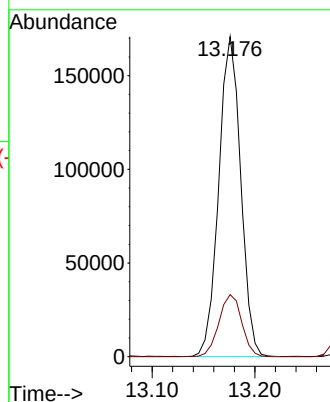
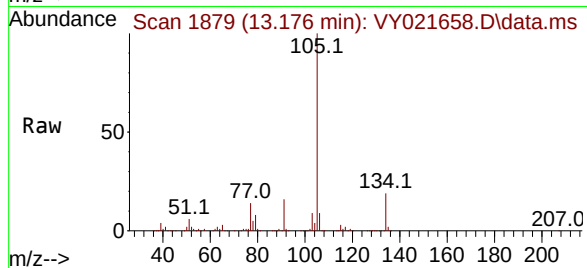
134 20.3 10.1 30.1

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

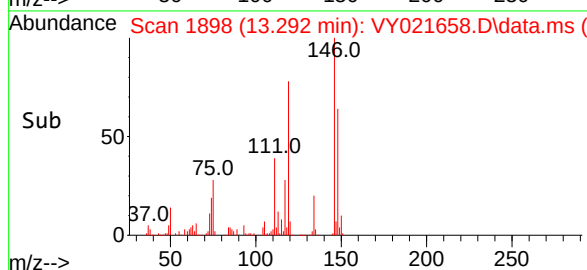
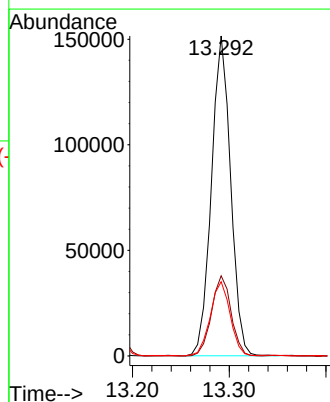
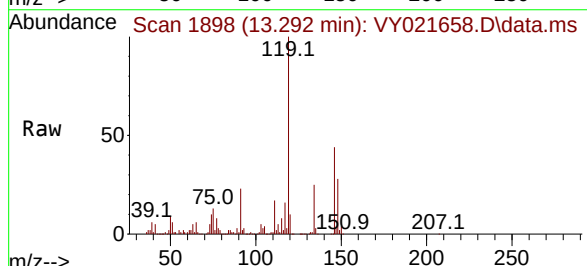
Tgt Ion:119 Resp: 209041

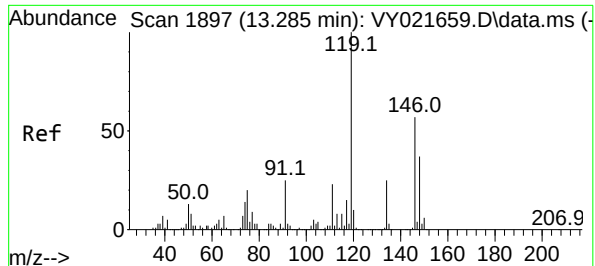
Ion Ratio Lower Upper

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 :

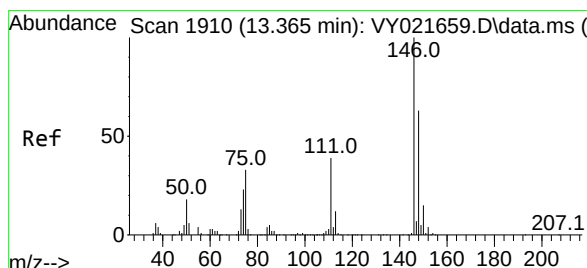
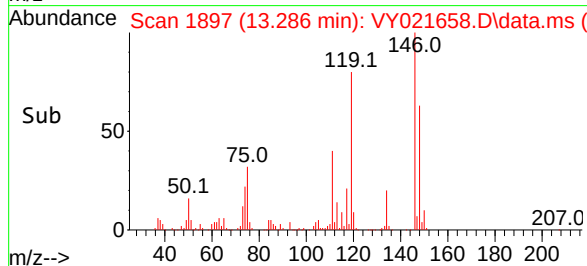
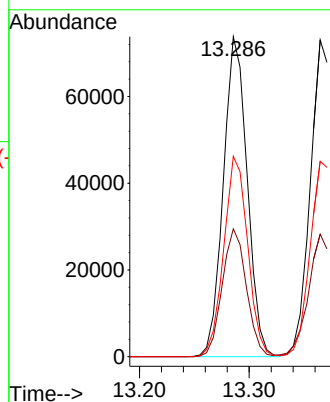
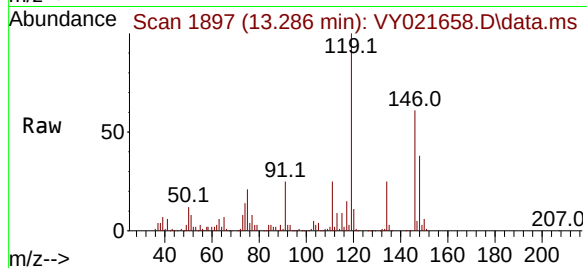
VSTDIC020

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

APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 19.636 ug/l

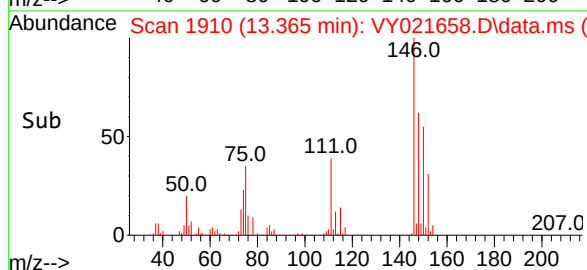
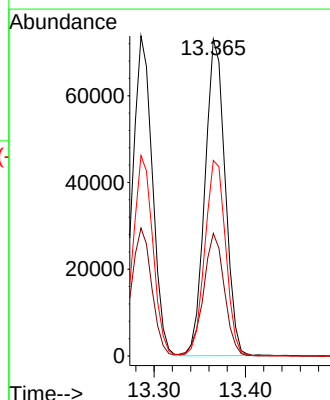
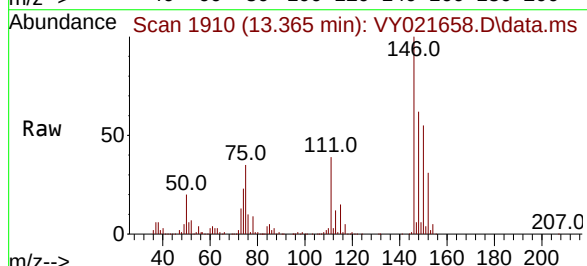
RT: 13.365 min Scan# 1910

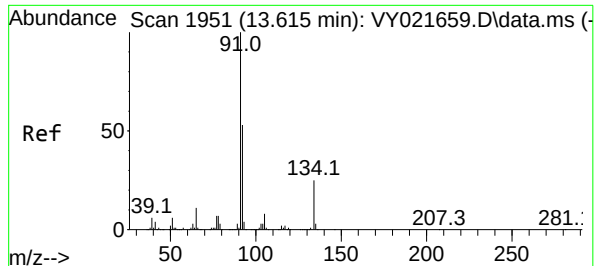
Delta R.T. 0.000 min

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: 191838

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.2

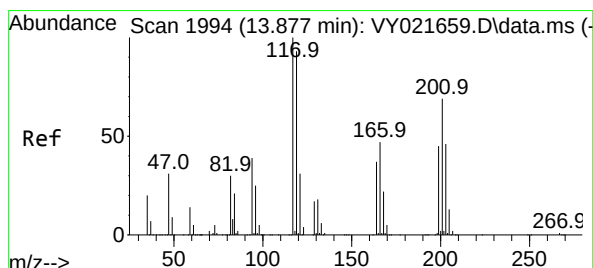
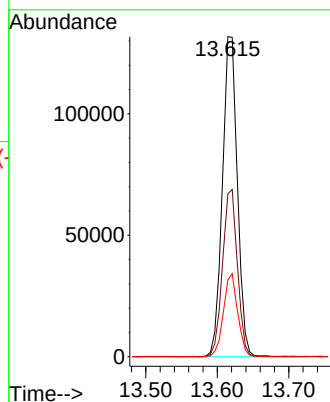
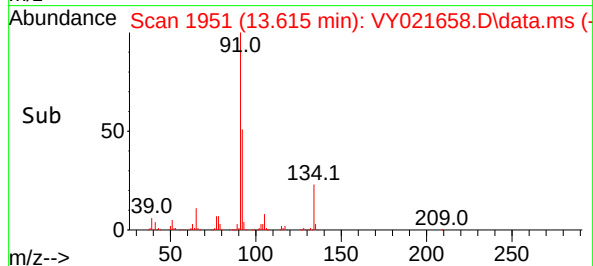
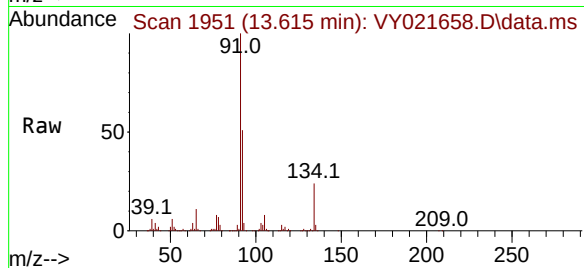
134 24.6 12.8 38.4

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

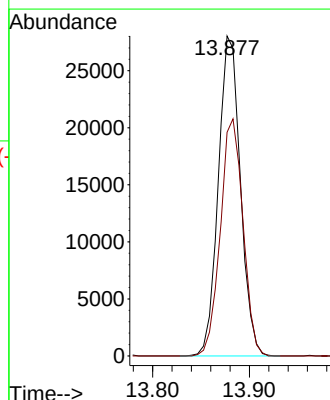
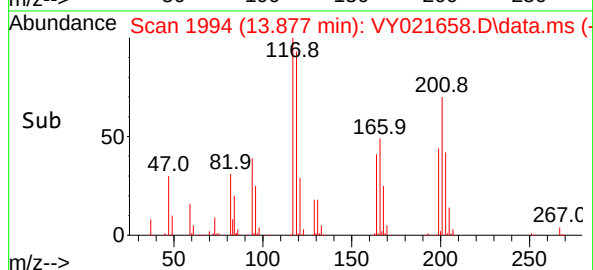
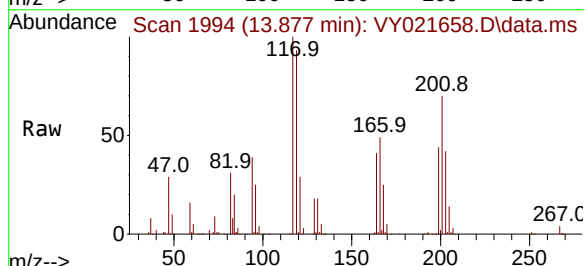
Acq: 27 Mar 2025 10:54

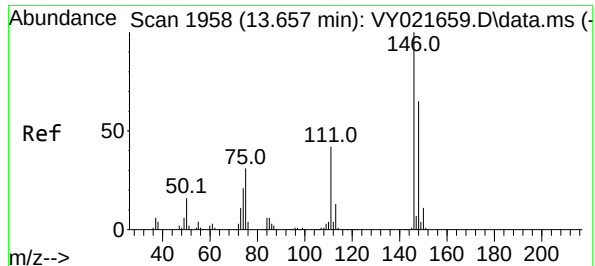
Tgt Ion:117 Resp: 44313

Ion Ratio Lower Upper

117 100

201 76.0 37.4 112.1





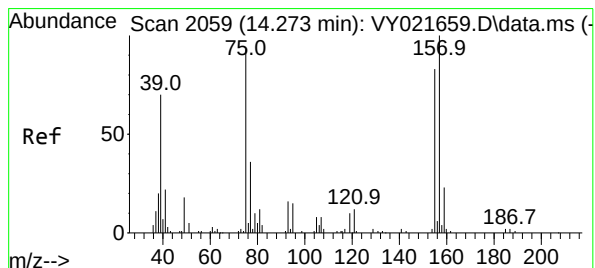
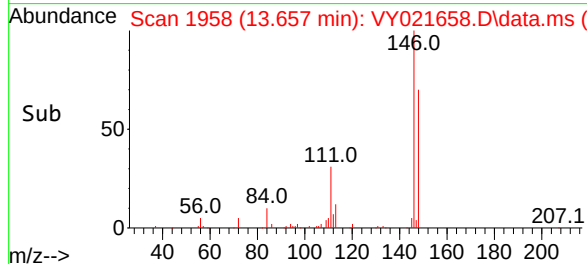
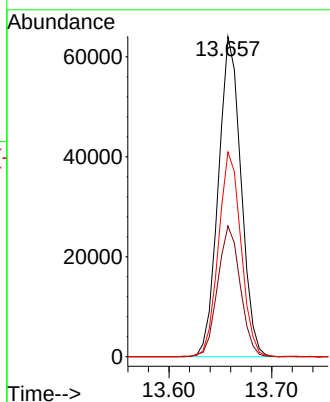
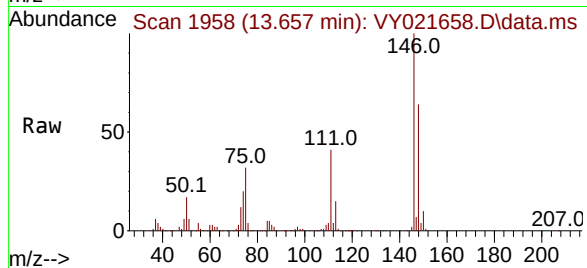
#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

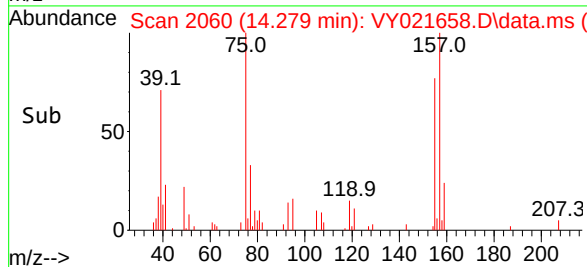
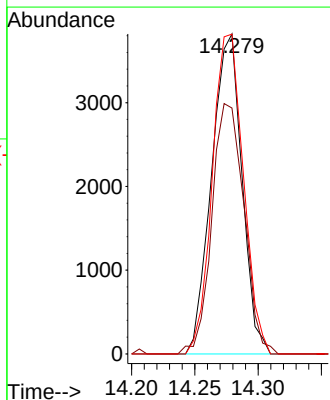
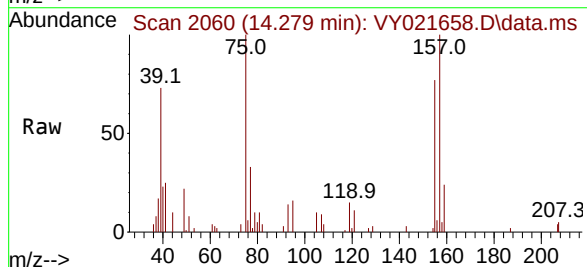
Manual Integrations
APPROVED

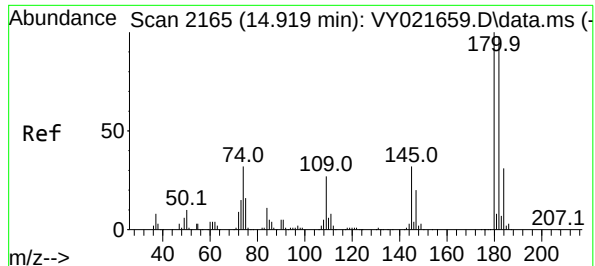
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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	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

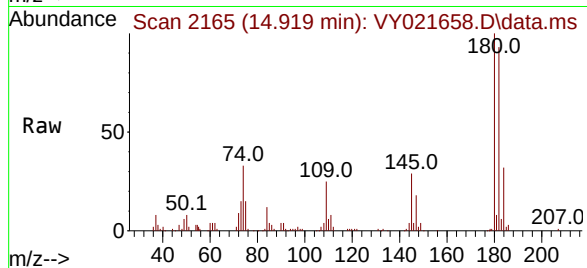
Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

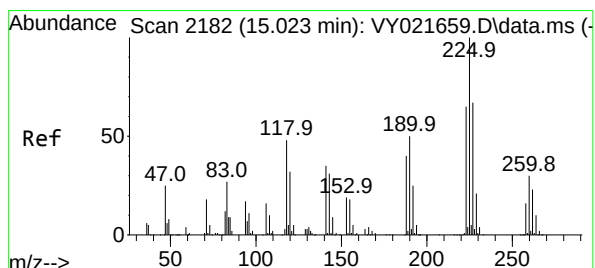
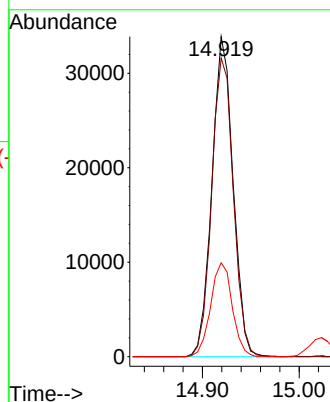
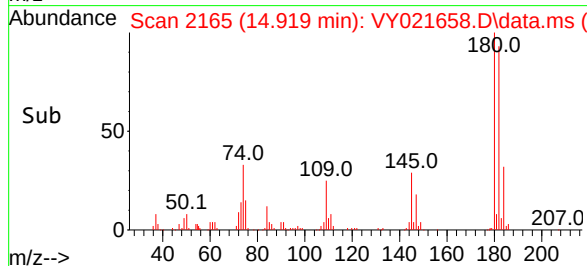


Tgt Ion:	180	Resp:	51474
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.5	142.6
145	30.0	14.9	44.9

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

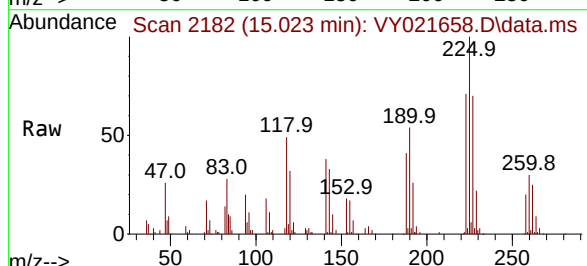
Concen: 18.916 ug/l

RT: 15.023 min Scan# 2182

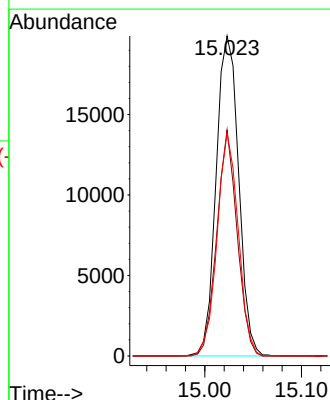
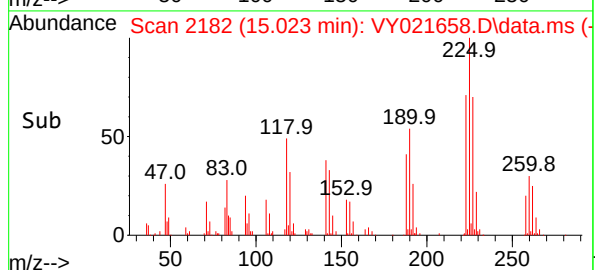
Delta R.T. 0.000 min

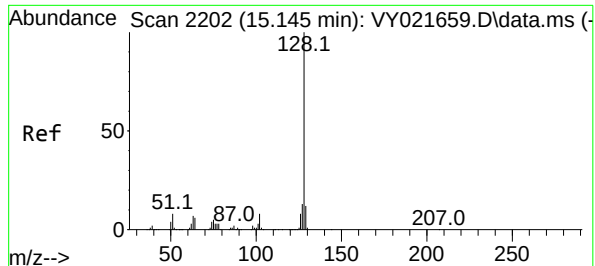
Lab File: VY021658.D

Acq: 27 Mar 2025 10:54



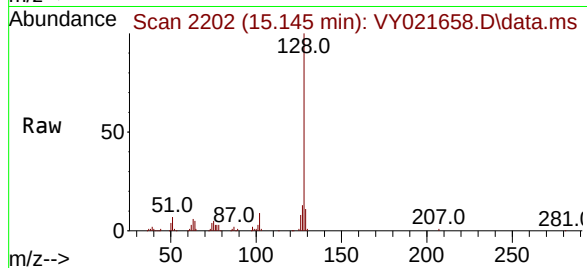
Tgt Ion:	225	Resp:	32055
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.9	95.7
227	65.5	32.4	97.0





#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

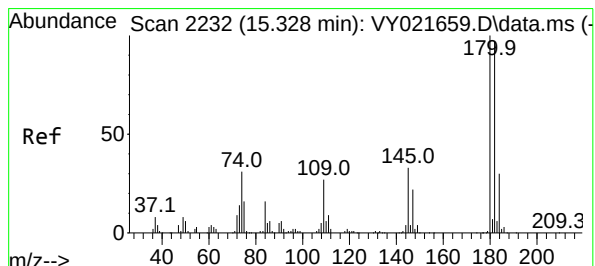
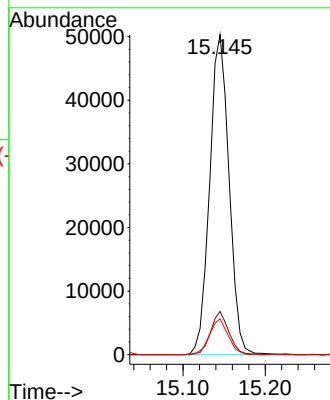
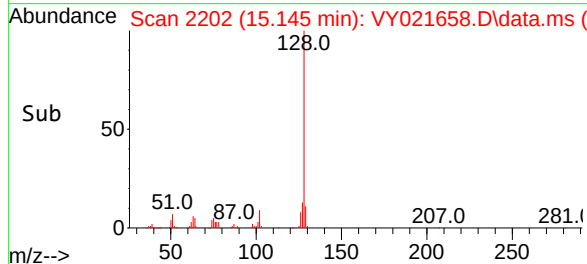
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



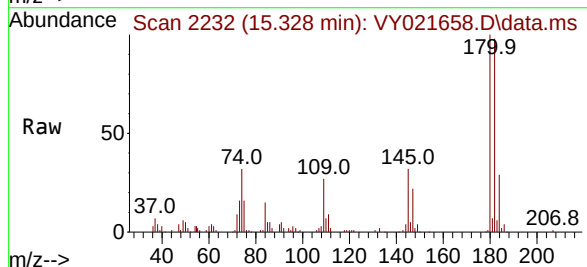
Tgt Ion:128 Resp: 82325
Ion Ratio Lower Upper
128 100
127 12.7 10.8 16.2
129 10.7 8.8 13.2

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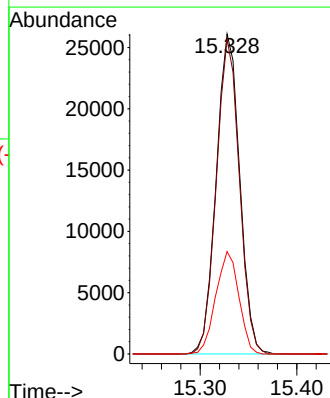
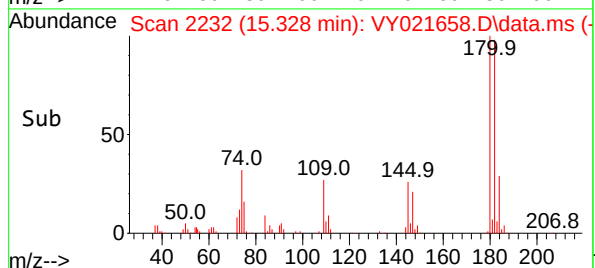
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

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)

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)

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

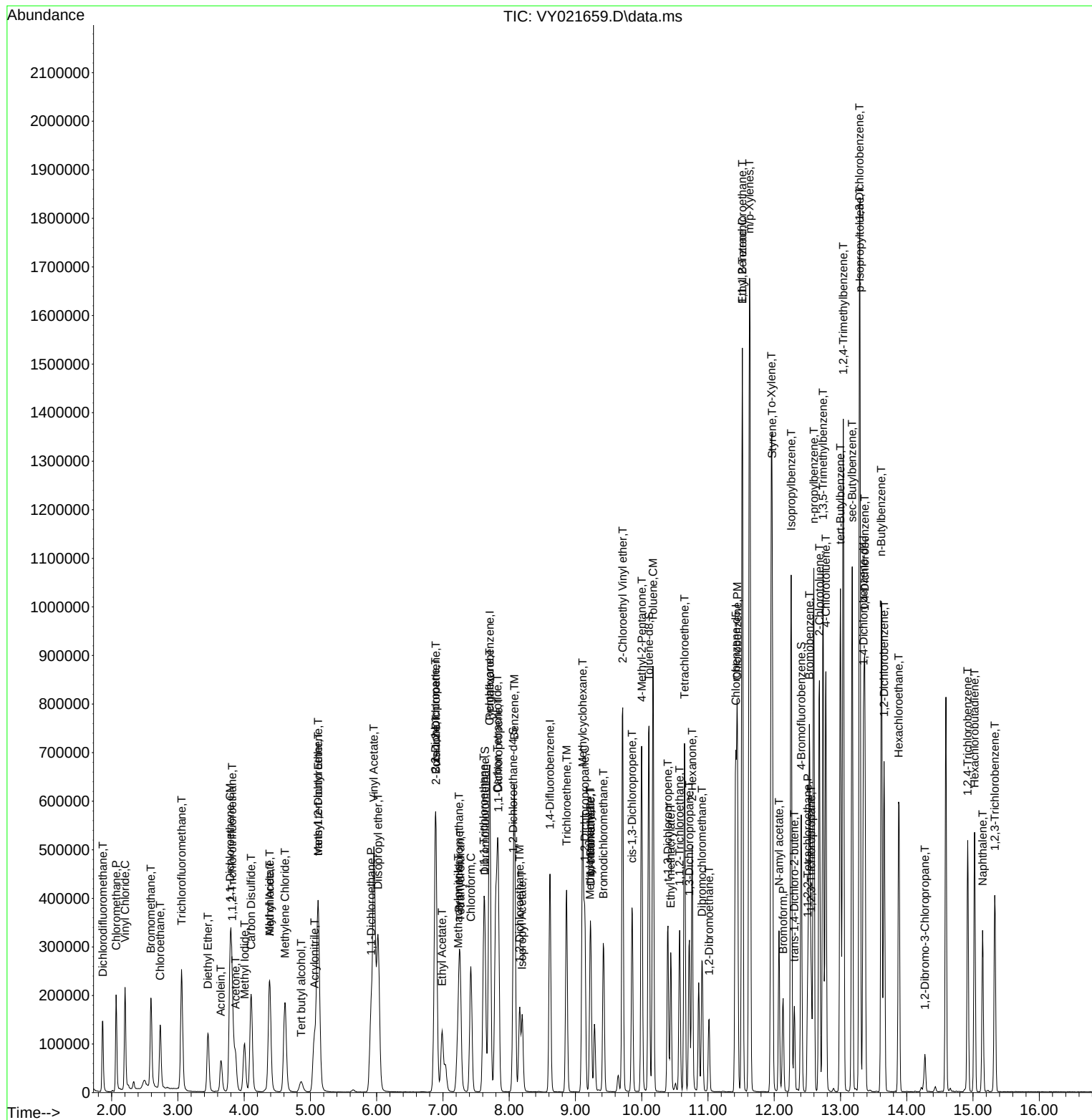
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

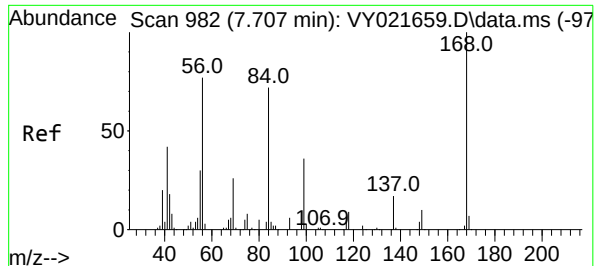
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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





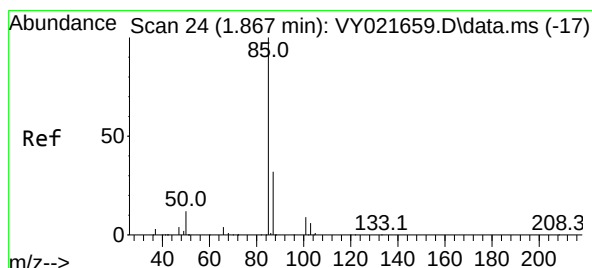
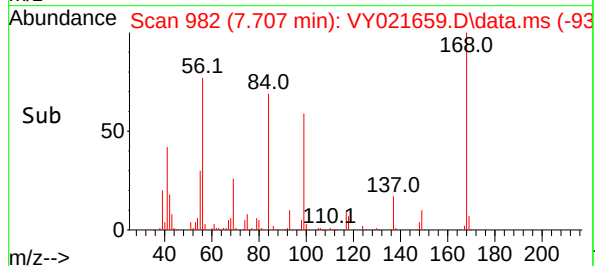
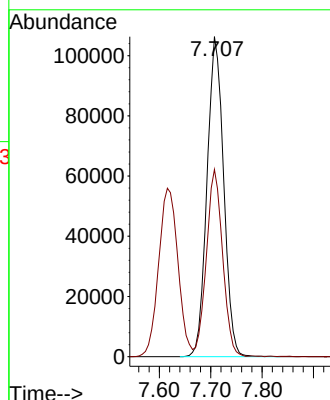
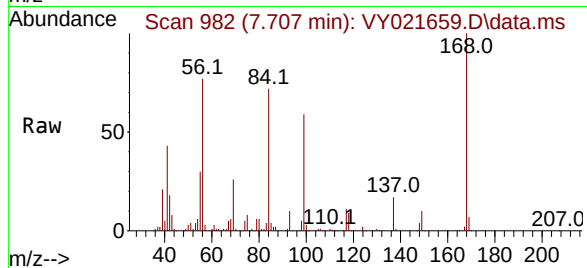
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

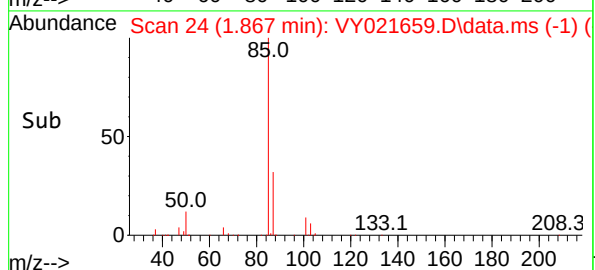
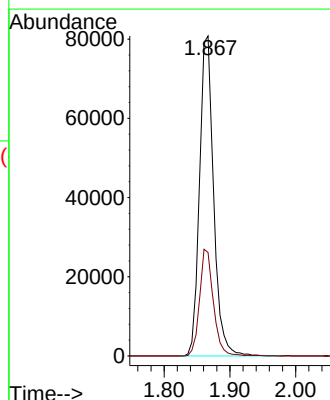
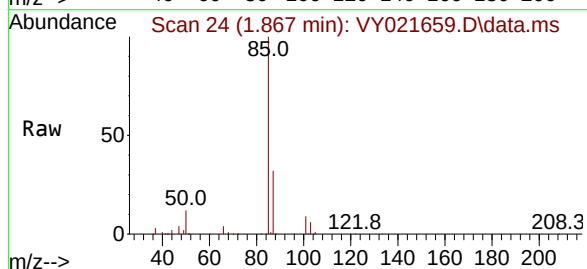
Manual Integrations
APPROVED

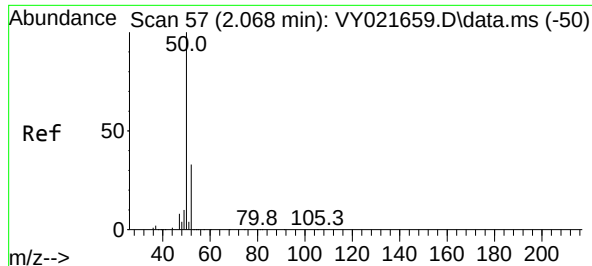
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





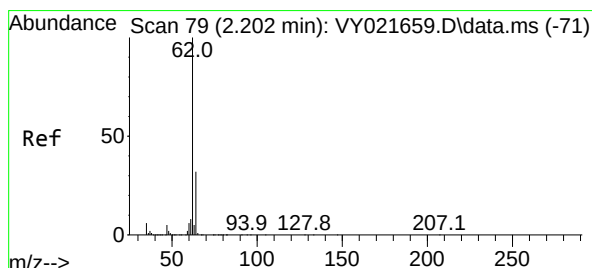
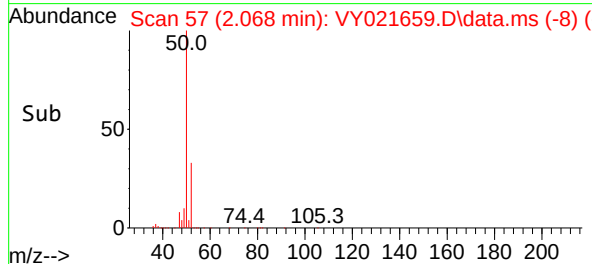
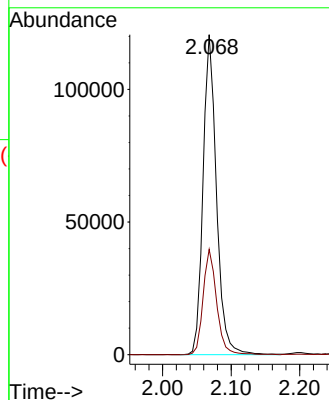
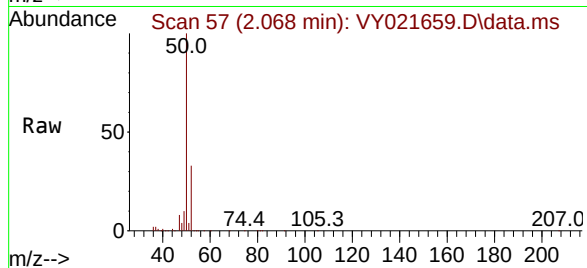
#3
Chloromethane
Concen: 47.510 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 16496
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5

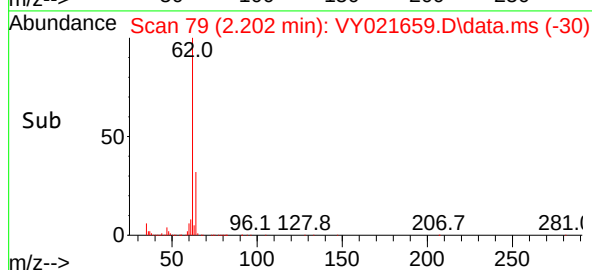
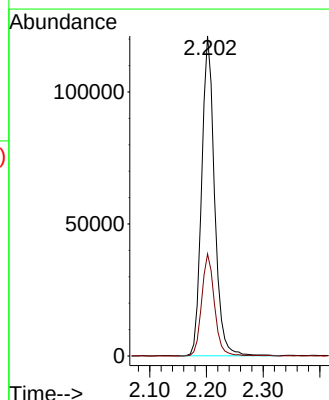
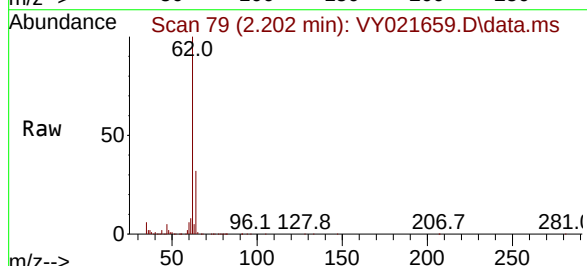
Manual Integrations
APPROVED

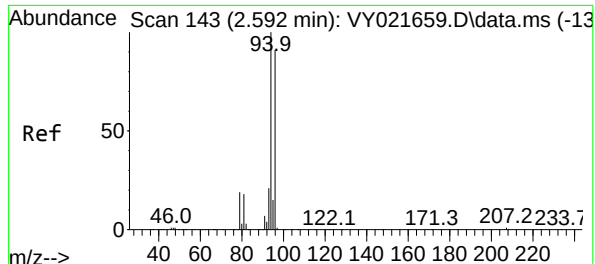
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

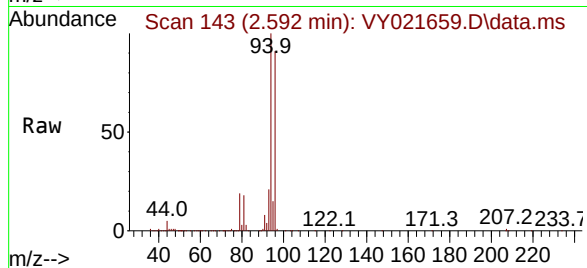
Tgt Ion: 62 Resp: 190491
Ion Ratio Lower Upper
62 100
64 31.9 25.5 38.3





#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

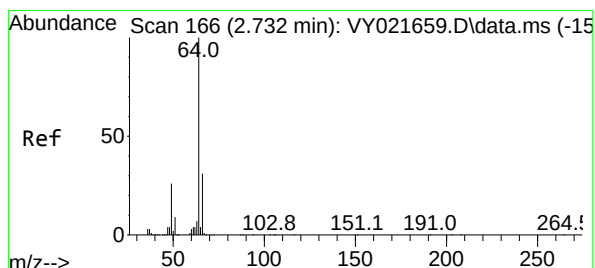
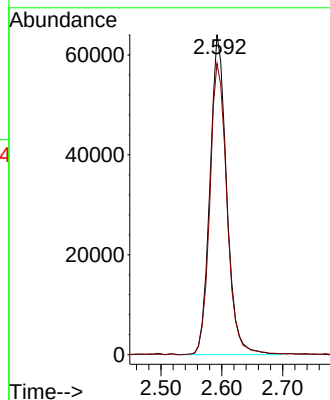
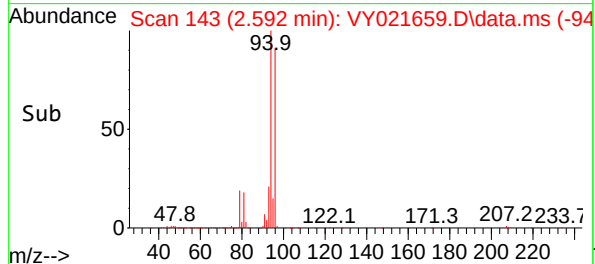
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

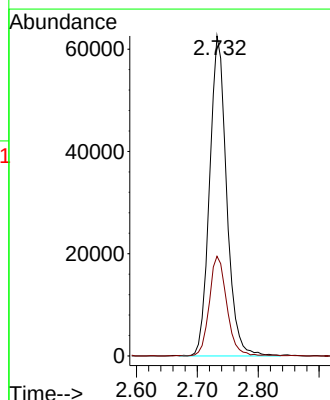
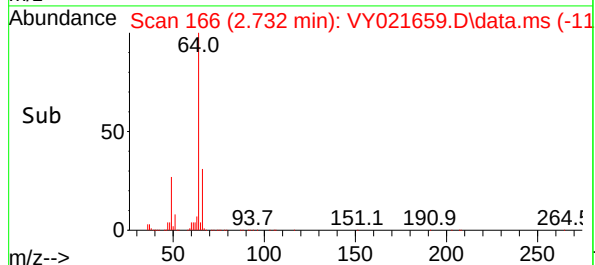
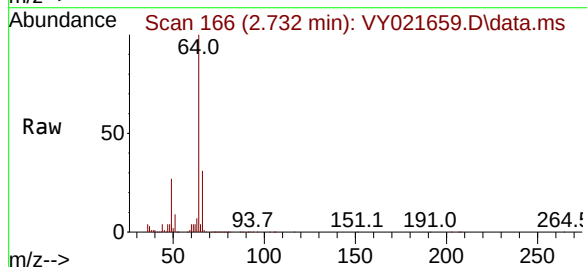
Manual Integrations
APPROVED

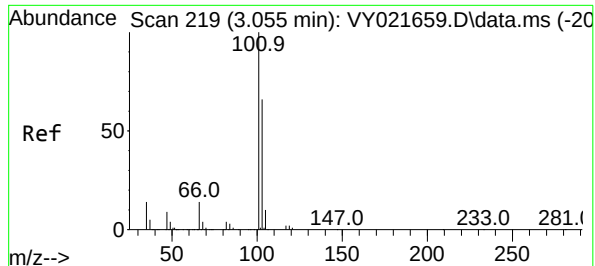
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

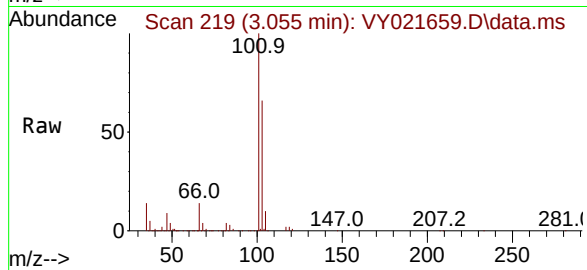
Tgt Ion: 64 Resp: 122027
Ion Ratio Lower Upper
64 100
66 31.1 24.9 37.3





#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

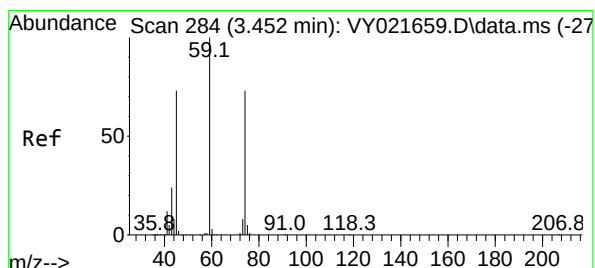
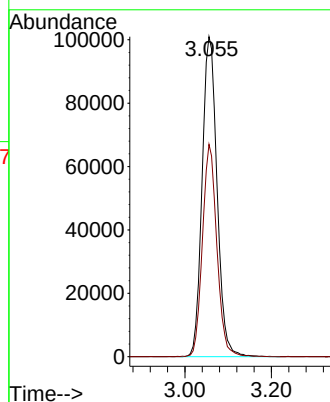
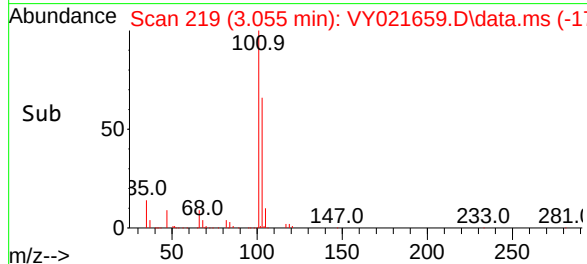
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

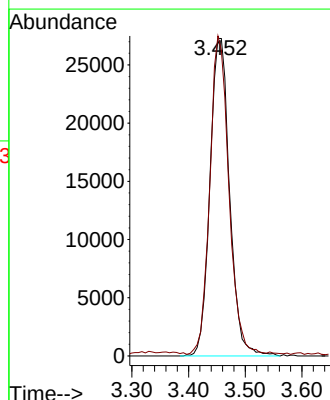
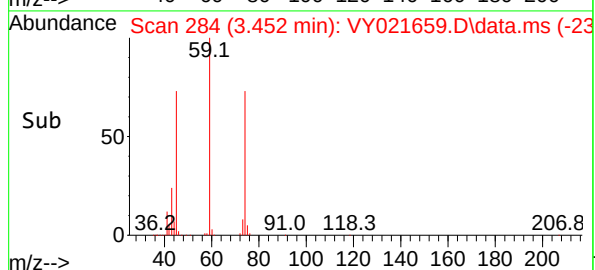
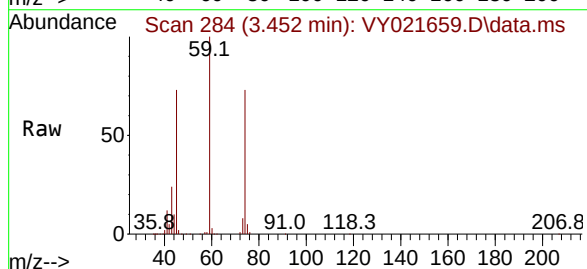
Manual Integrations
APPROVED

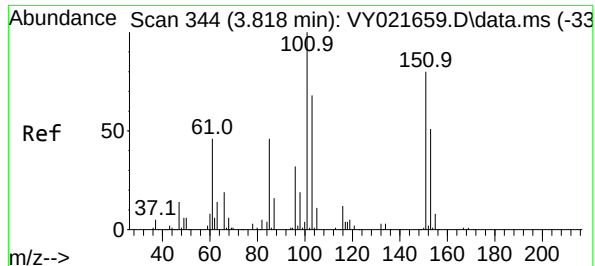
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





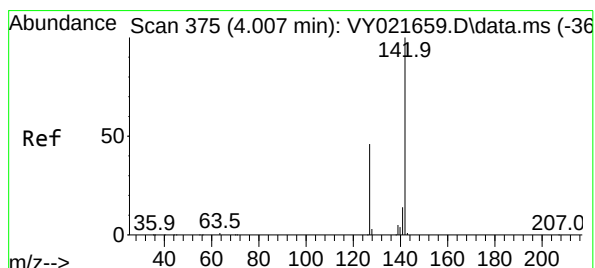
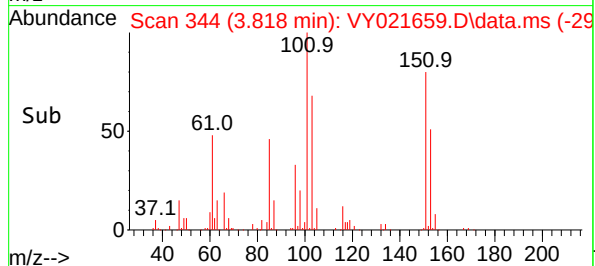
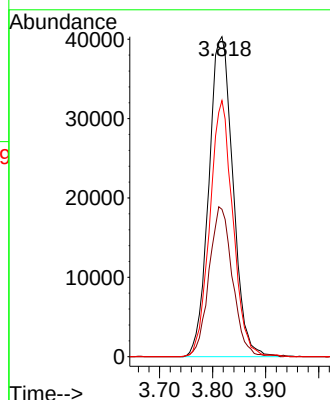
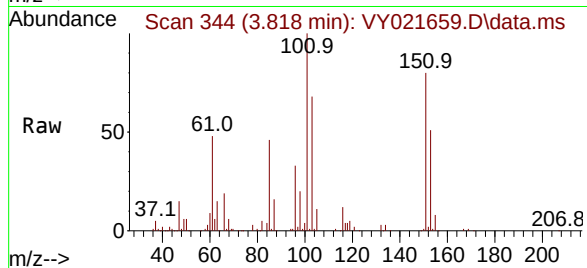
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.159 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

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

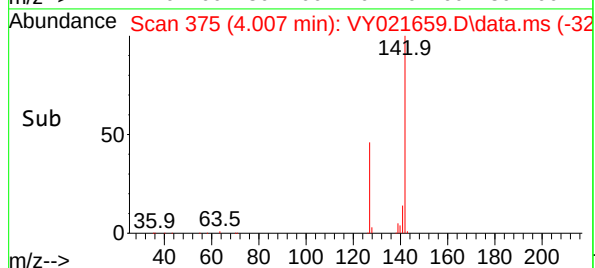
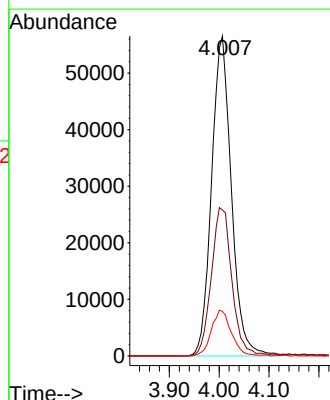
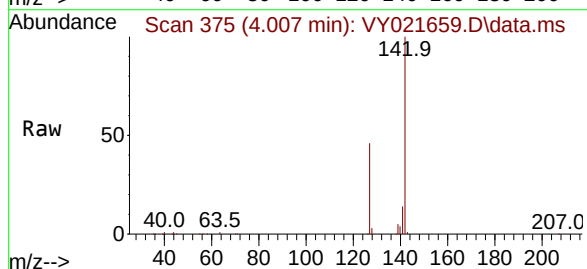
Manual Integrations
APPROVED

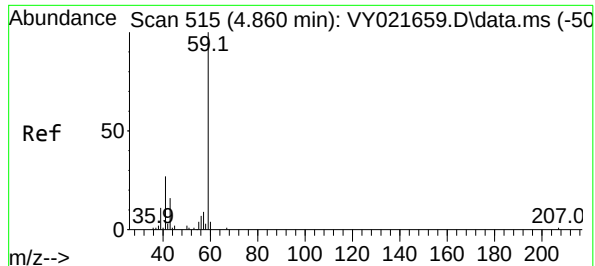
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

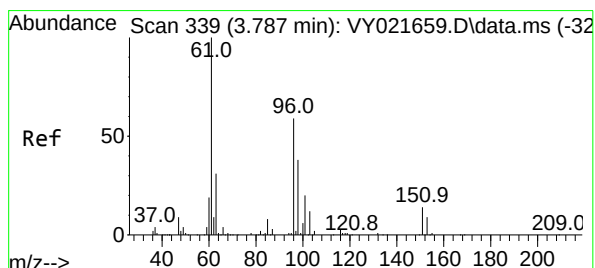
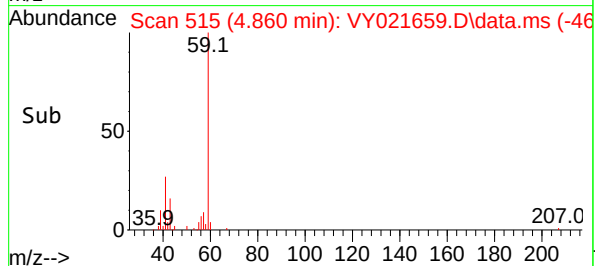
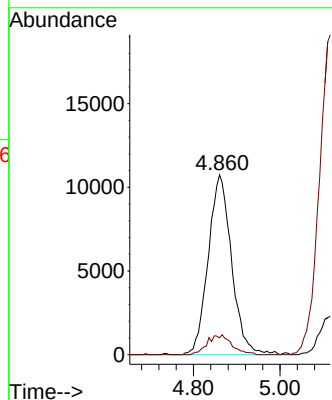
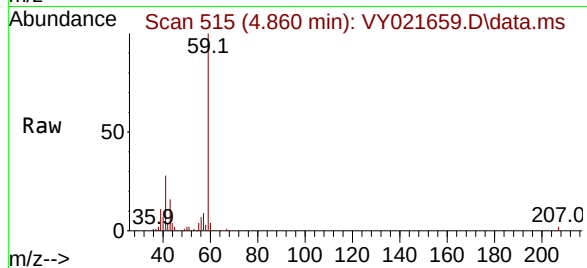
57 11.5 9.2 13.8

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

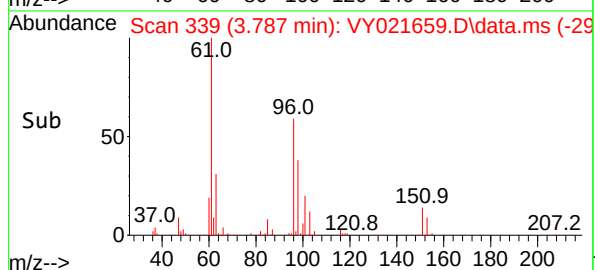
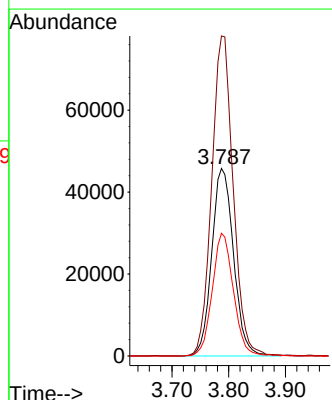
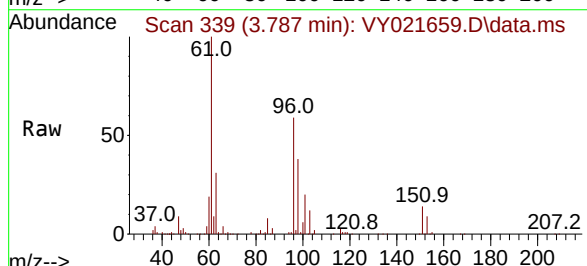
Tgt Ion: 96 Resp: 122422

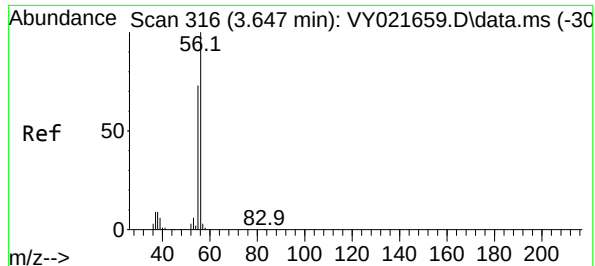
Ion Ratio Lower Upper

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

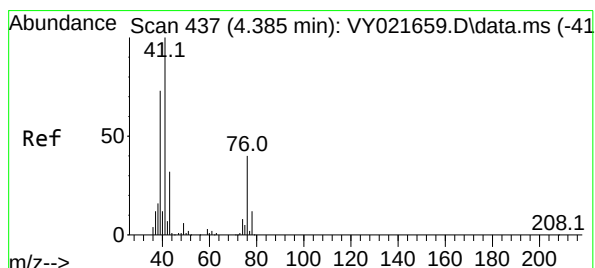
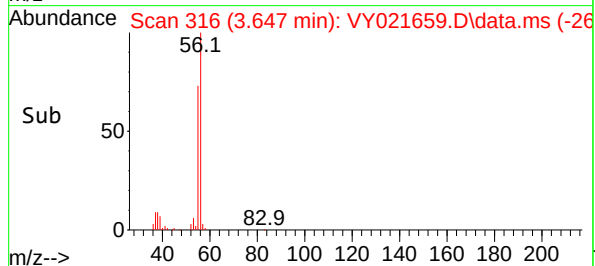
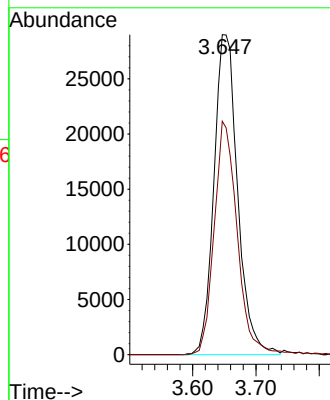
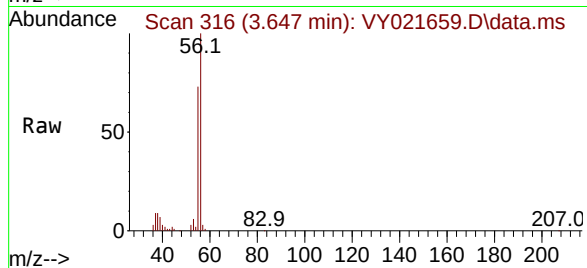
Ion Ratio Lower Upper

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

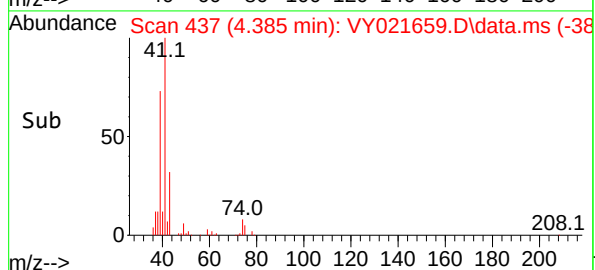
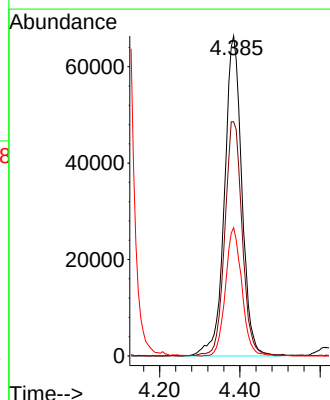
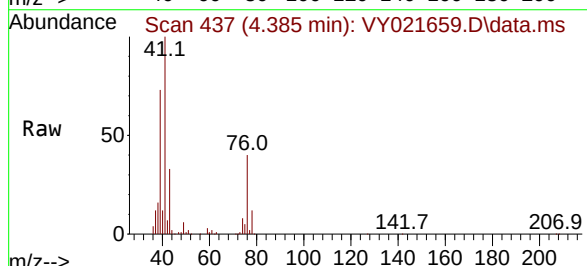
Tgt Ion: 41 Resp: 199515

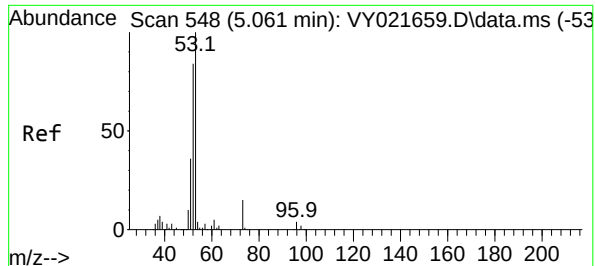
Ion Ratio Lower Upper

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: 144179

Ion Ratio Lower Upper

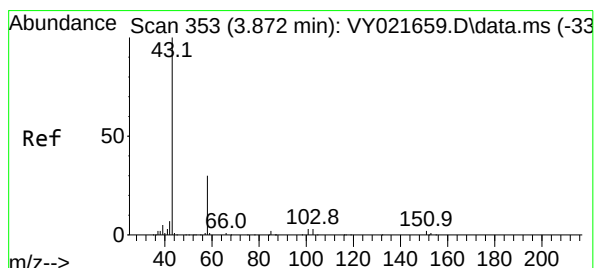
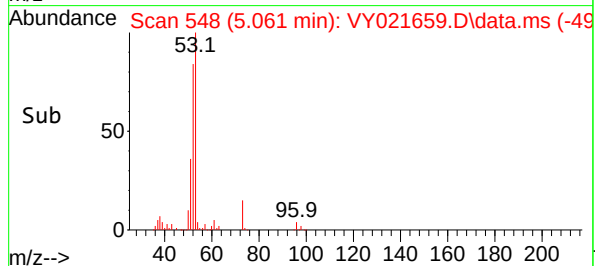
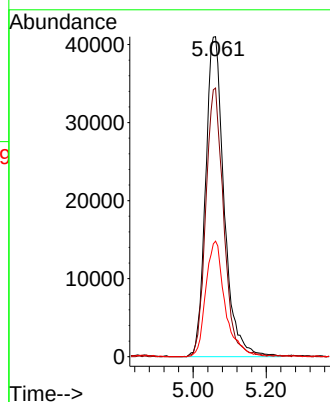
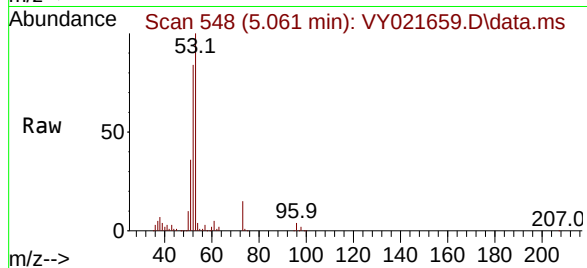
53 100

52 81.1 64.9 97.3

51 37.7 30.2 45.2

Manual Integrations

APPROVED

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

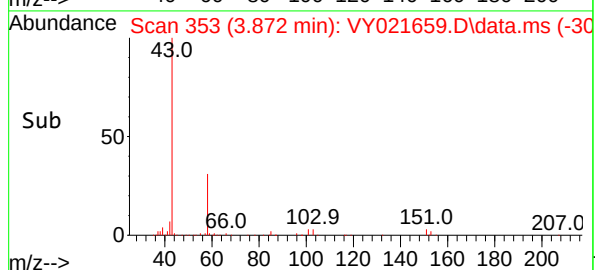
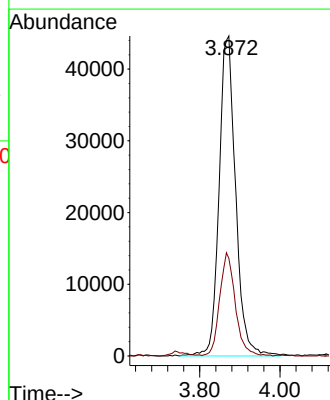
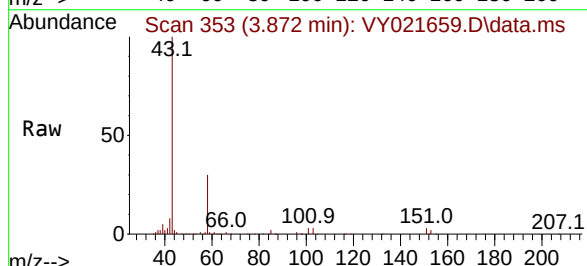
Acq: 27 Mar 2025 11:16

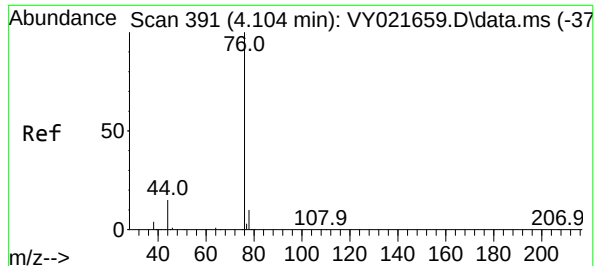
Tgt Ion: 43 Resp: 127702

Ion Ratio Lower Upper

43 100

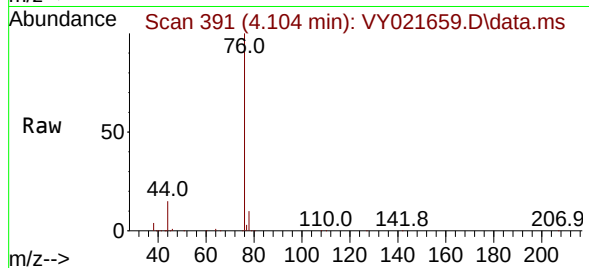
58 30.3 24.2 36.4





#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

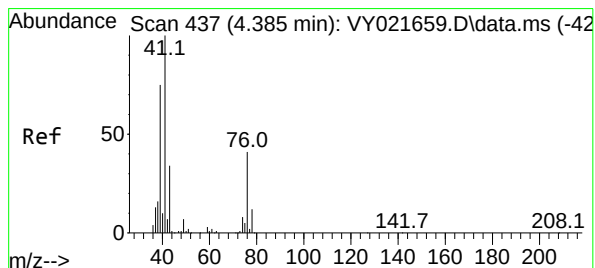
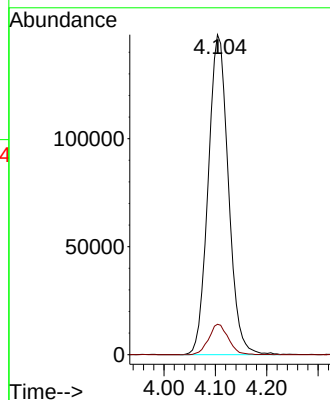
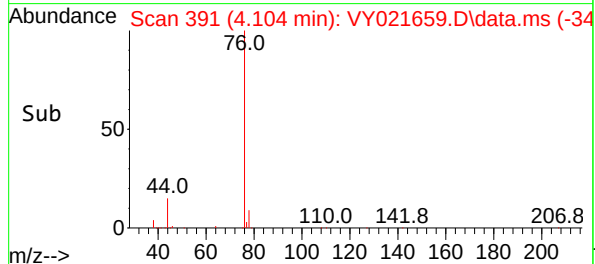
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 404128
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

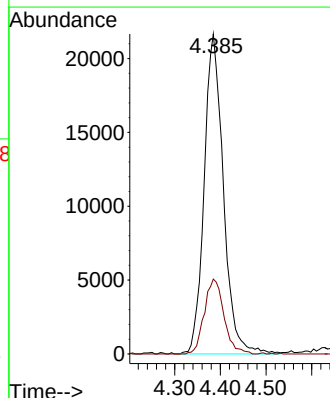
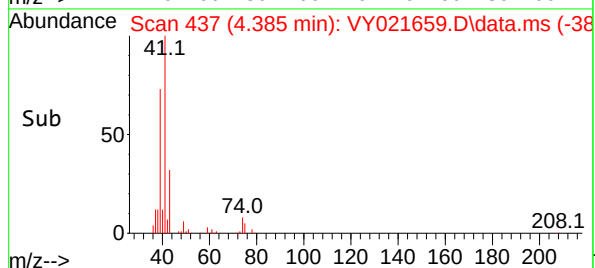
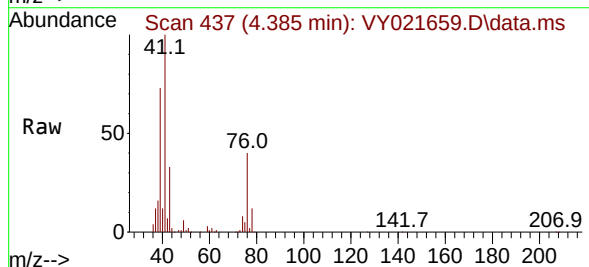
Manual Integrations
APPROVED

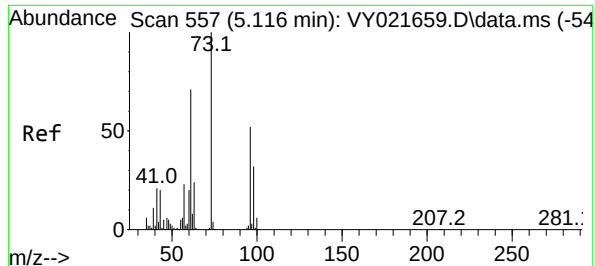
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

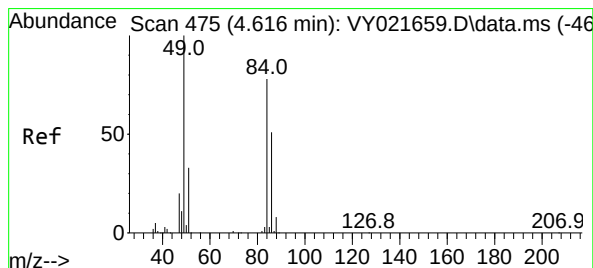
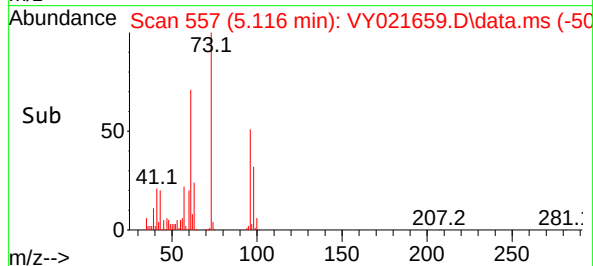
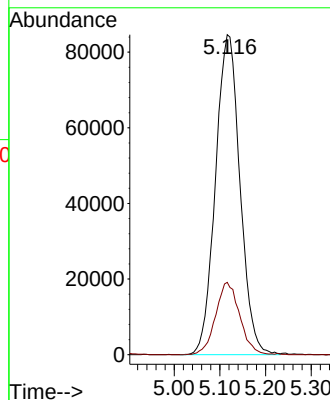
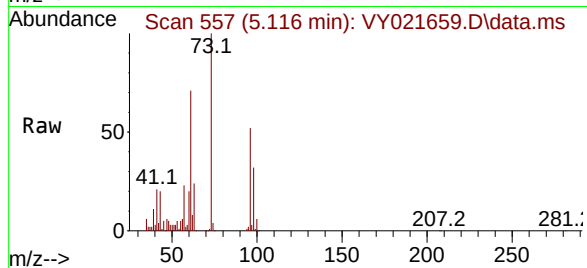
57 22.6 18.1 27.1

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

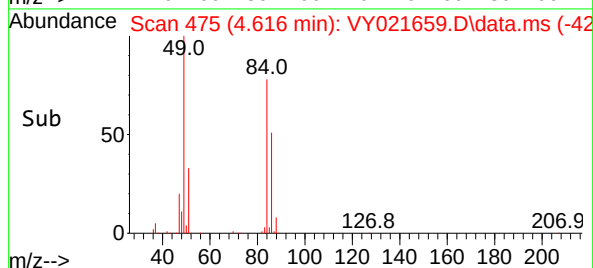
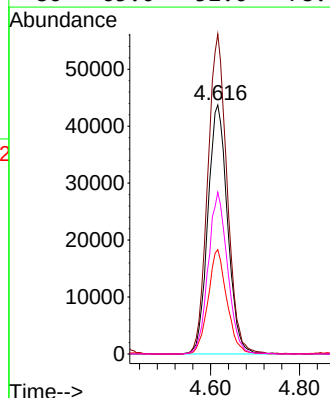
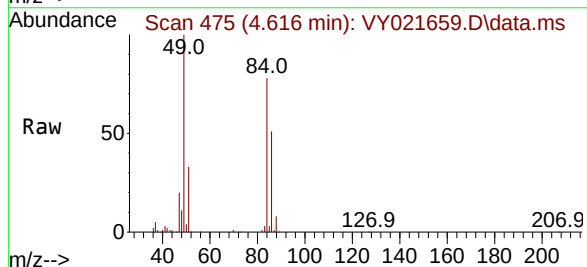
Ion Ratio Lower Upper

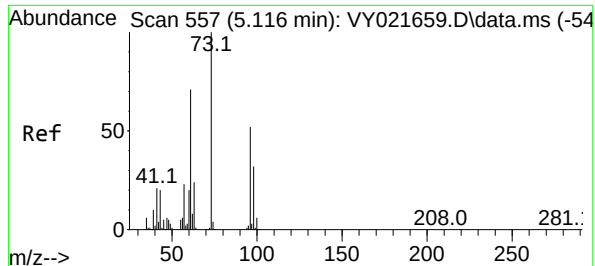
84 100

49 128.5 102.8 154.2

51 41.9 33.5 50.3

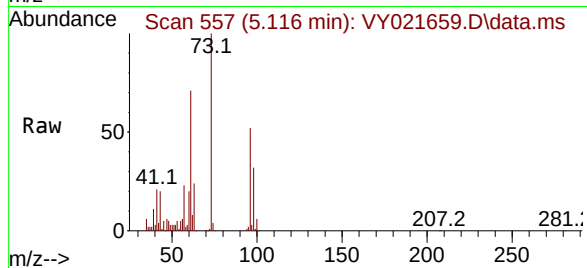
86 65.0 52.0 78.0





#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

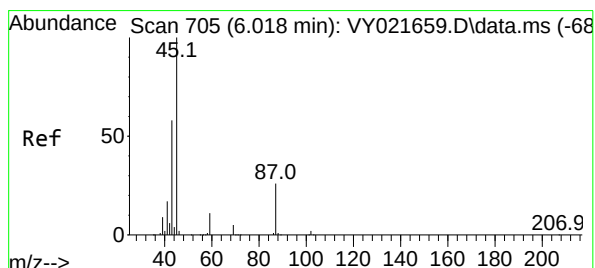
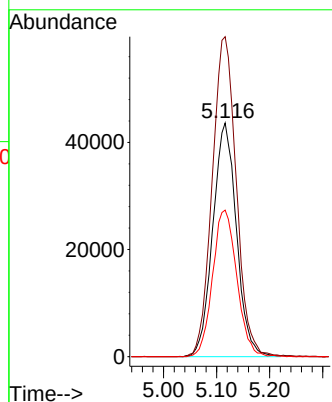
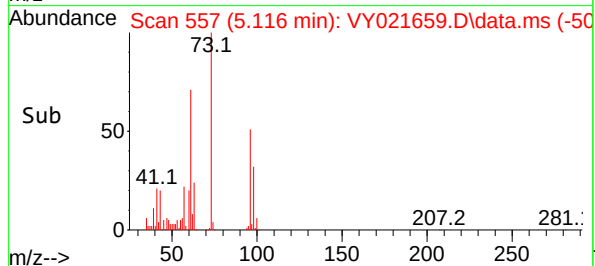
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



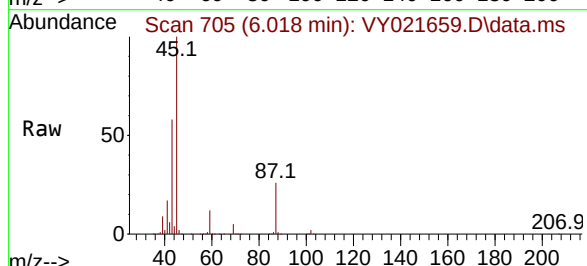
Tgt Ion: 96 Resp: 13511
Ion Ratio Lower Upper
96 100
61 136.7 109.4 164.0
98 62.7 50.2 75.2

Manual Integrations
APPROVED

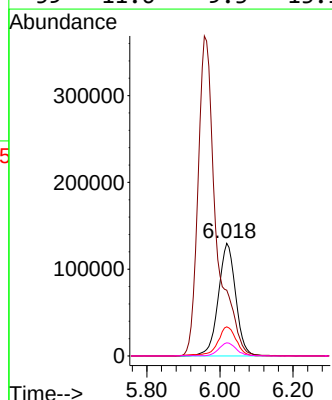
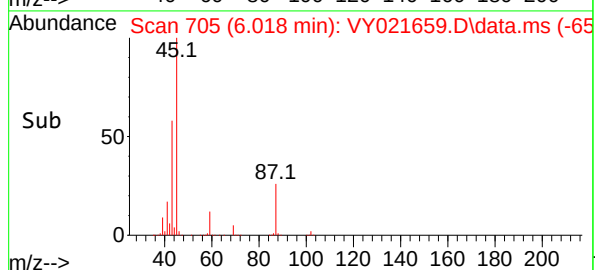
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

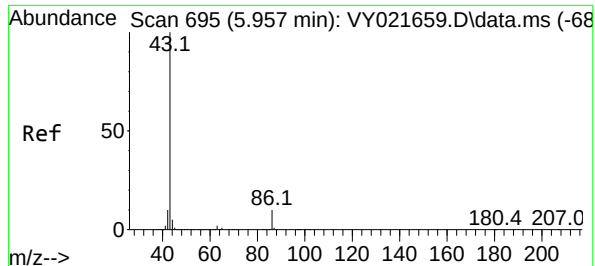


#22
Diisopropyl ether
Concen: 51.315 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16



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

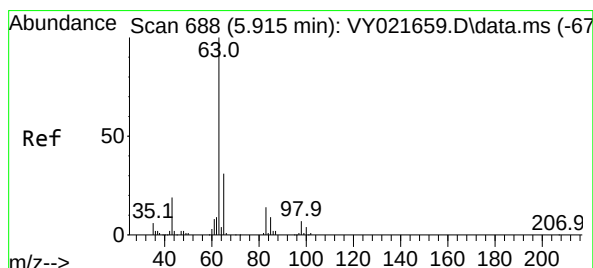
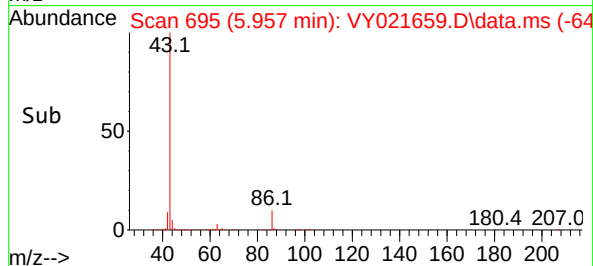
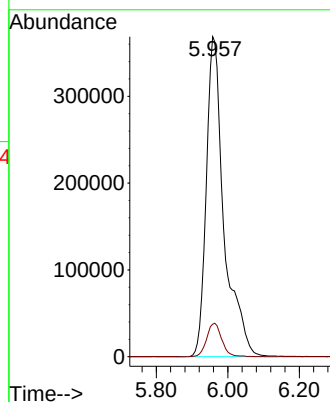
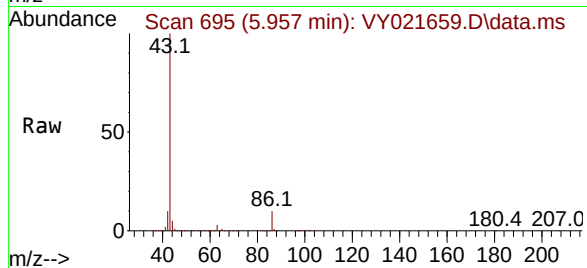
43 100

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

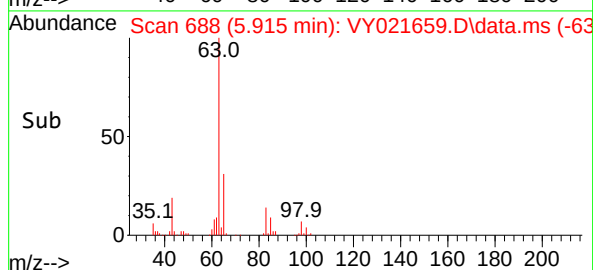
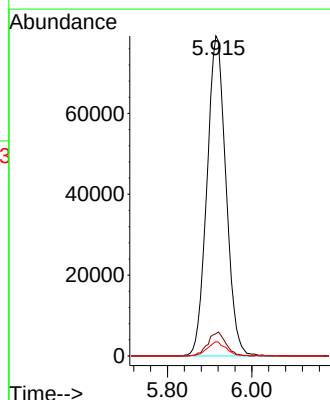
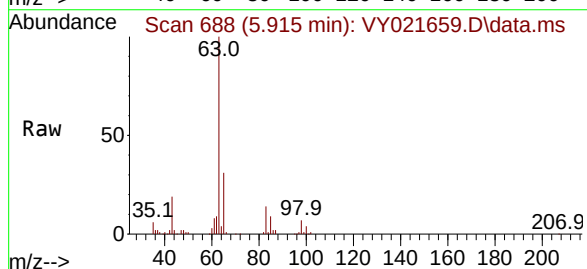
Tgt Ion: 63 Resp: 247826

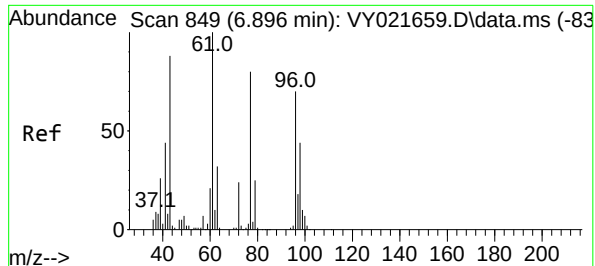
Ion Ratio Lower Upper

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

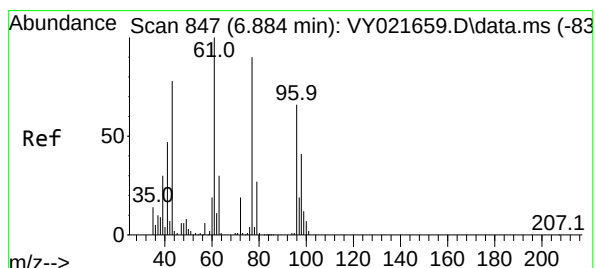
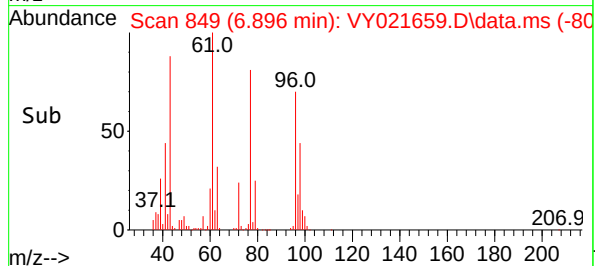
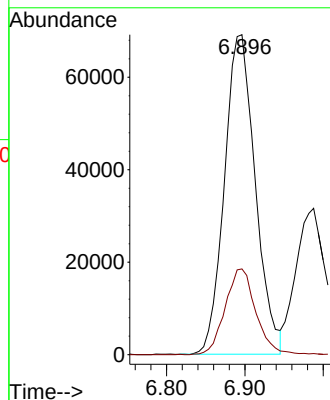
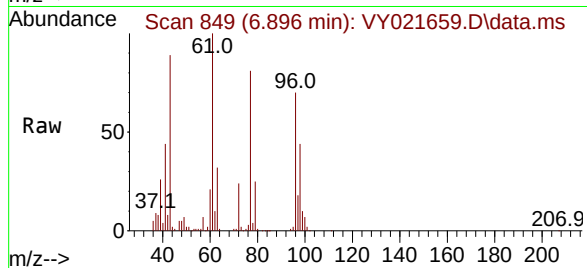
72 26.8 21.4 32.2

Manual Integrations

APPROVED

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

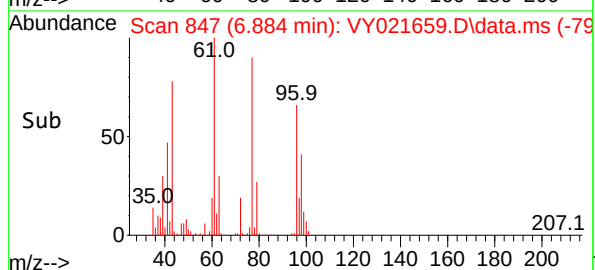
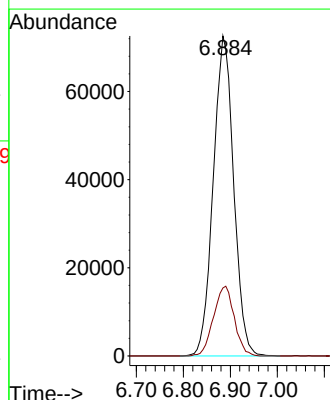
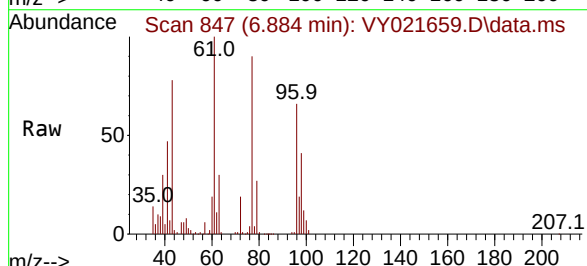
Acq: 27 Mar 2025 11:16

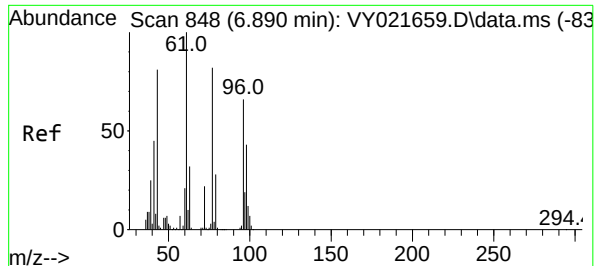
Tgt Ion: 77 Resp: 219131

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

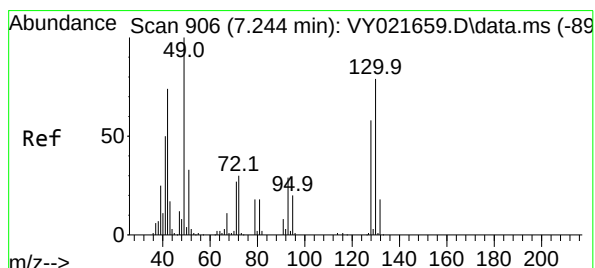
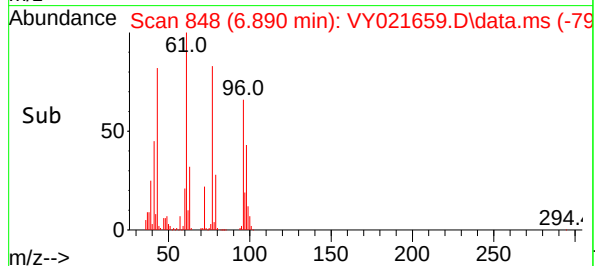
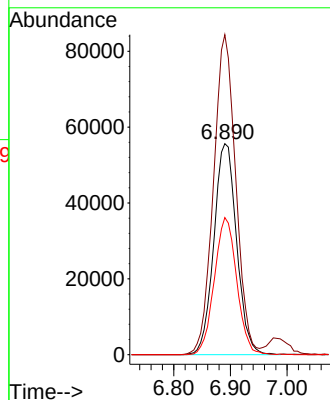
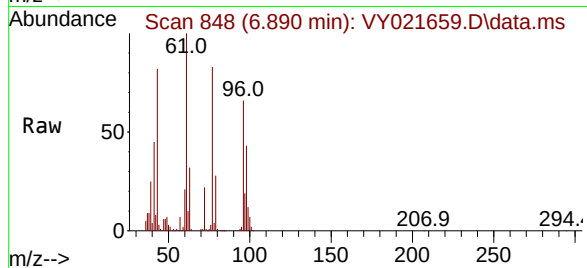
98 64.0 0.0 128.0

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

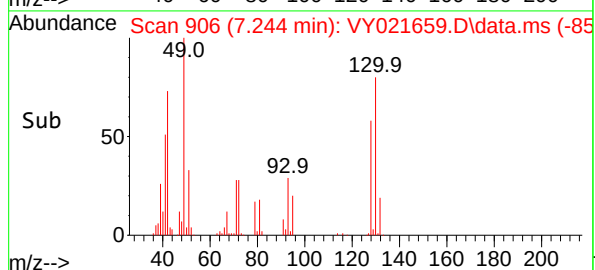
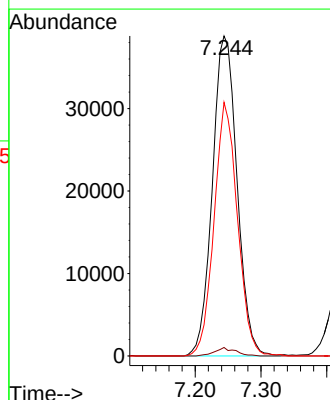
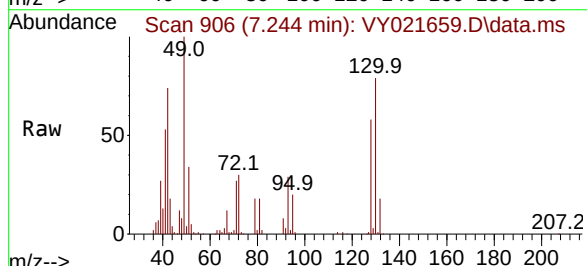
Tgt Ion: 49 Resp: 101413

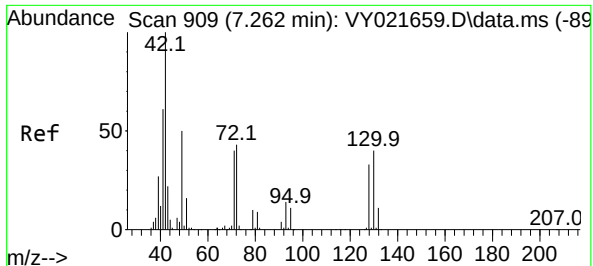
Ion Ratio Lower Upper

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

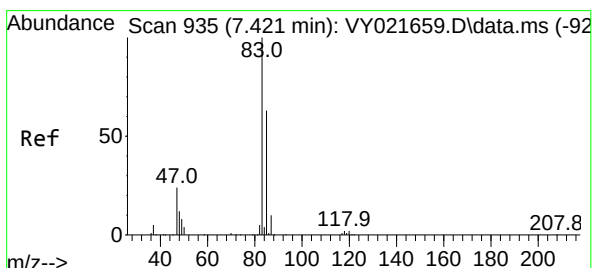
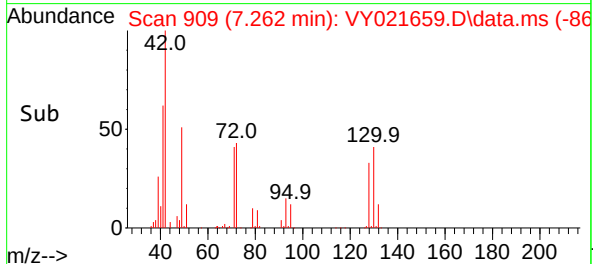
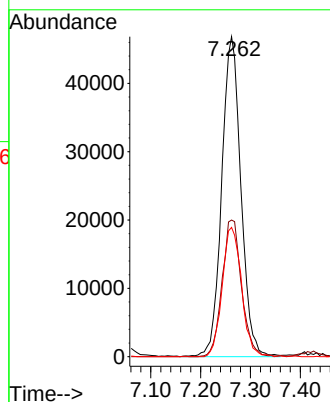
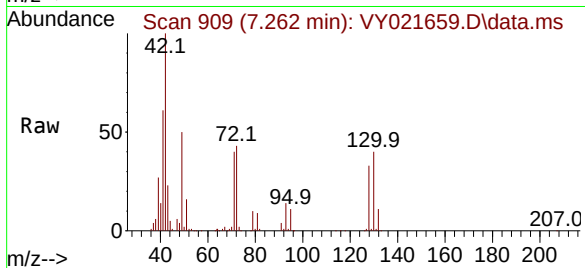
42 100

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

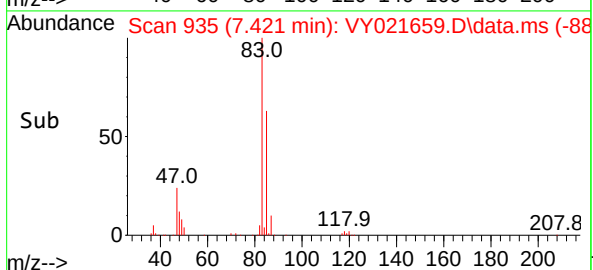
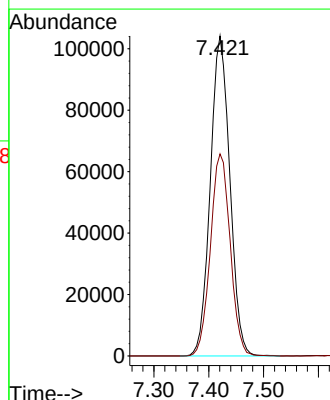
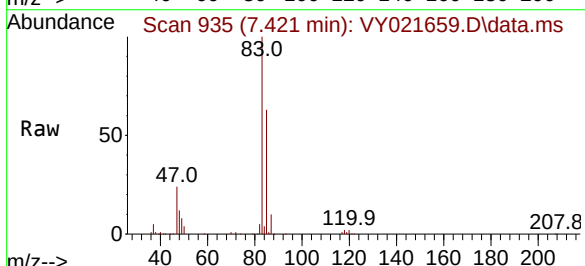
Acq: 27 Mar 2025 11:16

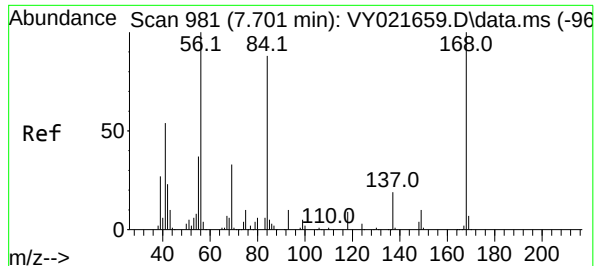
Tgt Ion: 83 Resp: 257511

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

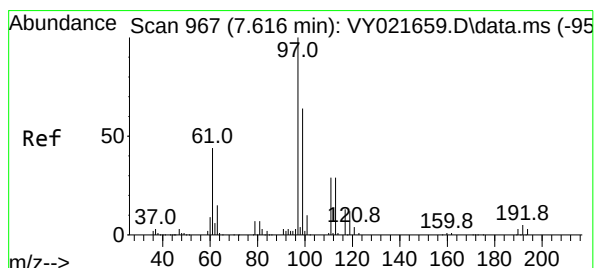
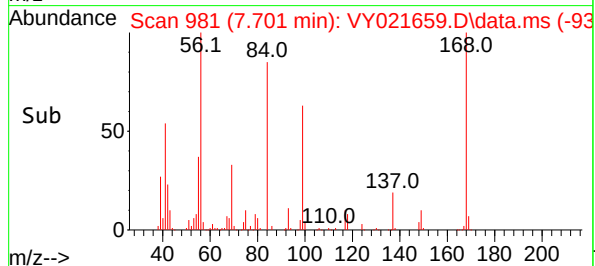
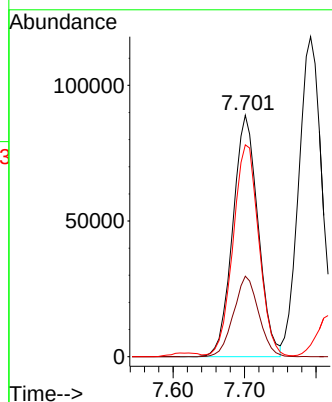
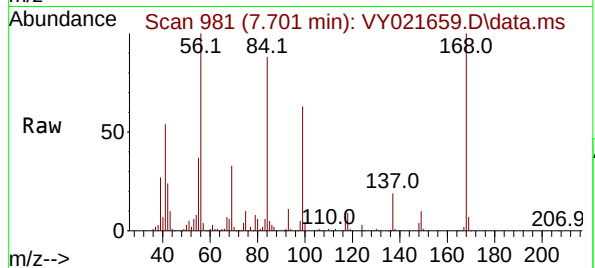
56 100

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

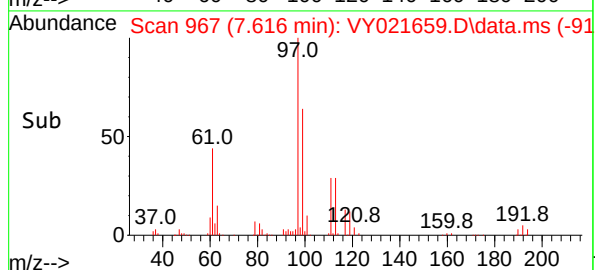
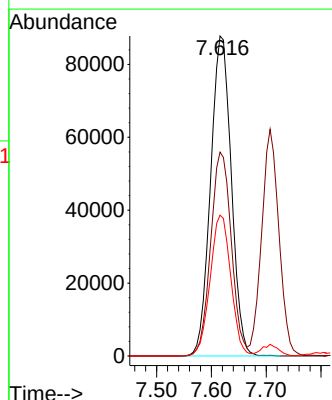
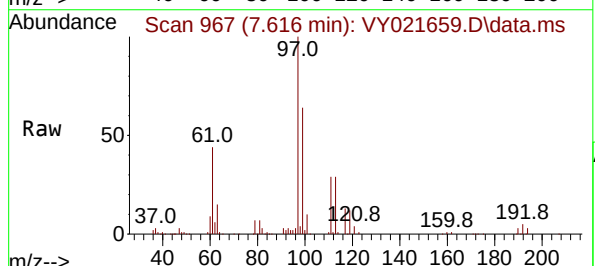
Tgt Ion: 97 Resp: 230441

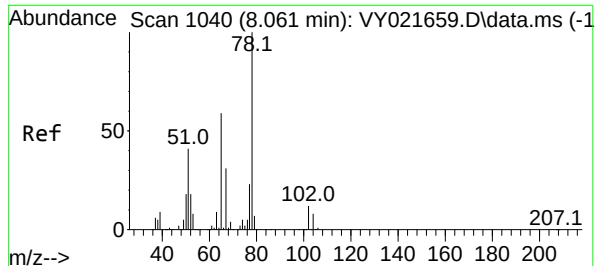
Ion Ratio Lower Upper

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

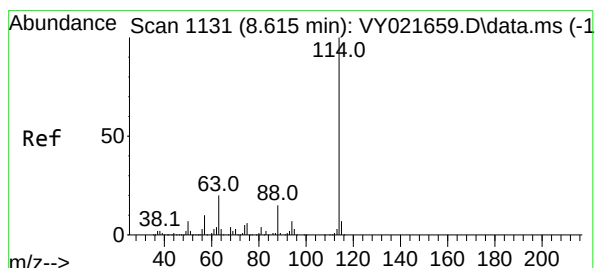
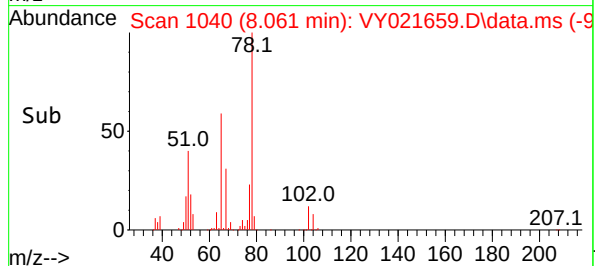
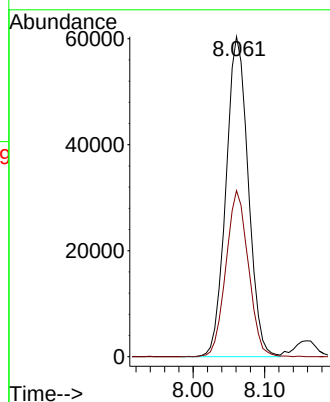
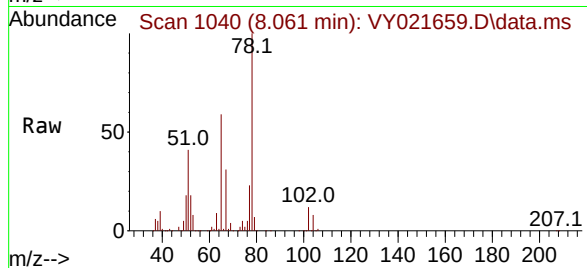
67 52.3 0.0 104.6

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

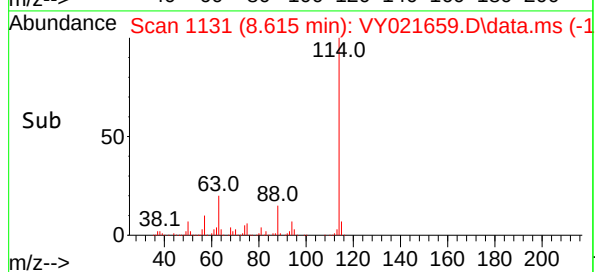
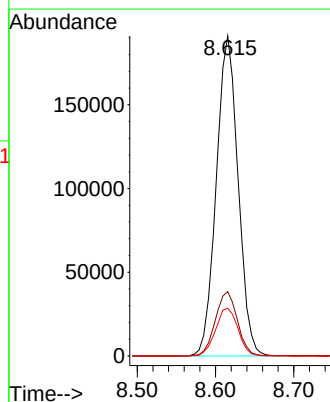
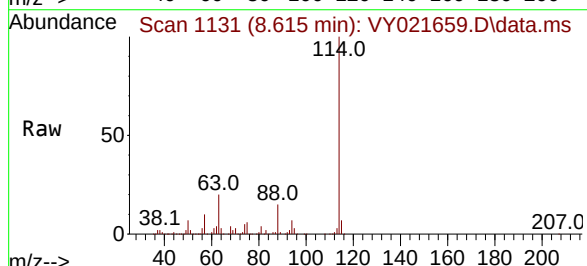
Tgt Ion:114 Resp: 369963

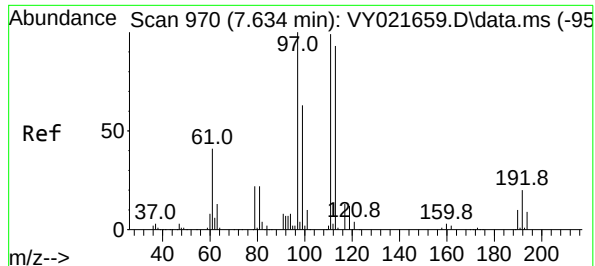
Ion Ratio Lower Upper

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

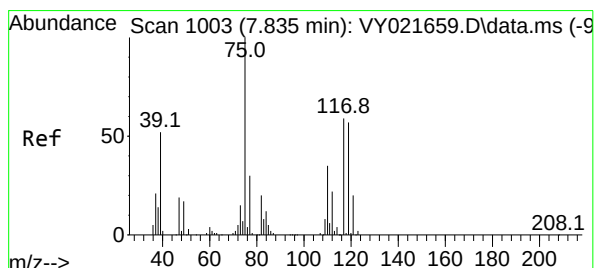
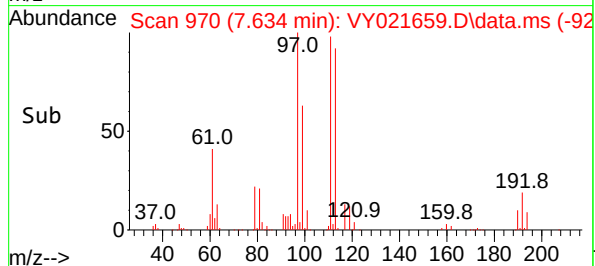
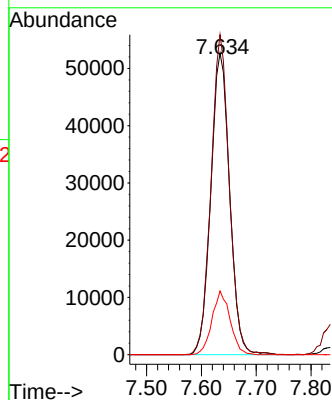
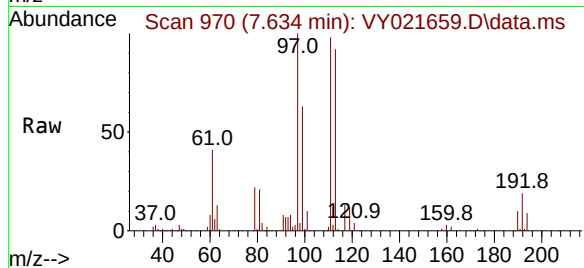
192 20.3 16.2 24.4

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

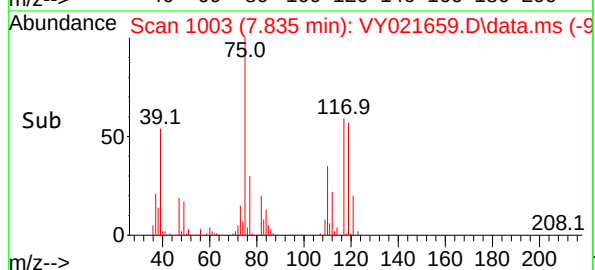
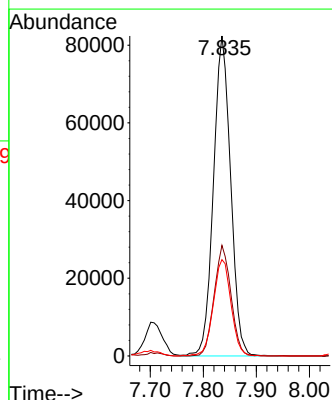
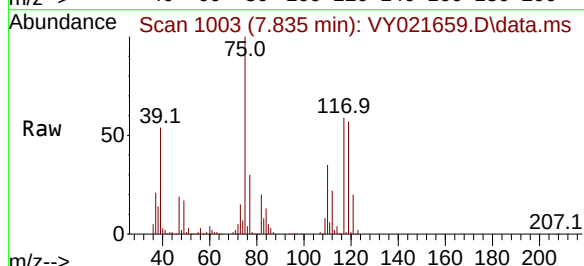
Tgt Ion: 75 Resp: 185559

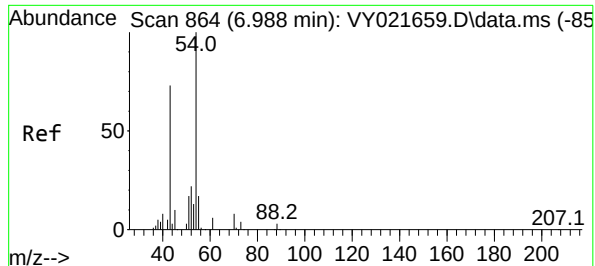
Ion Ratio Lower Upper

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

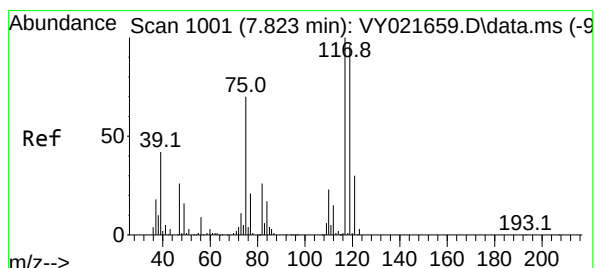
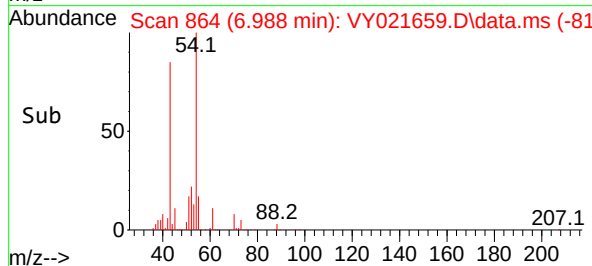
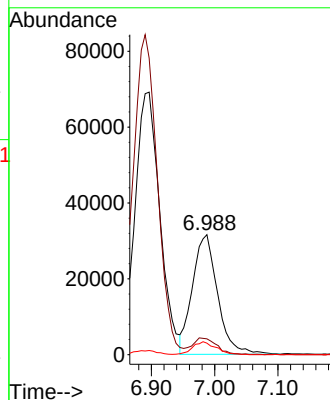
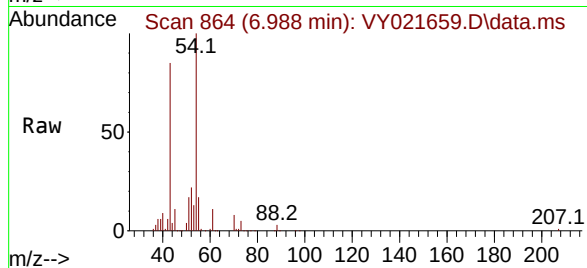
70 10.1 8.1 12.1

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

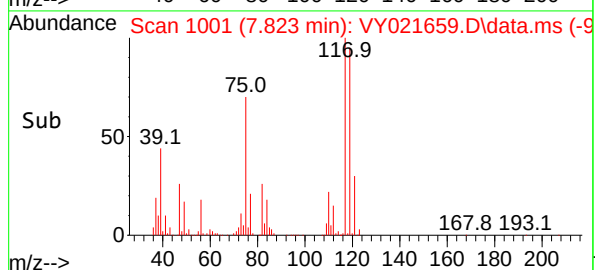
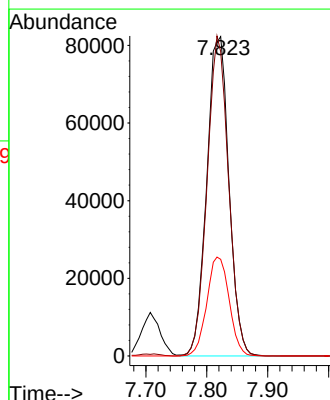
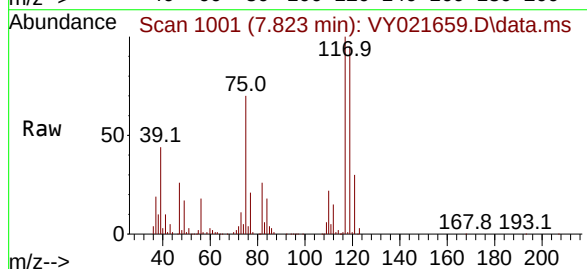
Tgt Ion:117 Resp: 208537

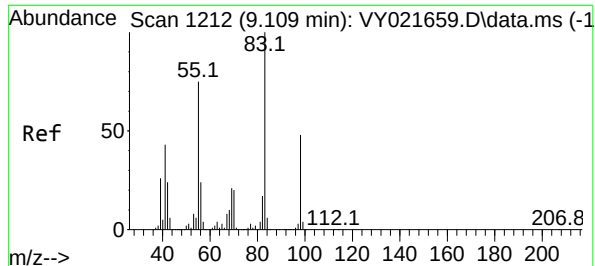
Ion Ratio Lower Upper

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

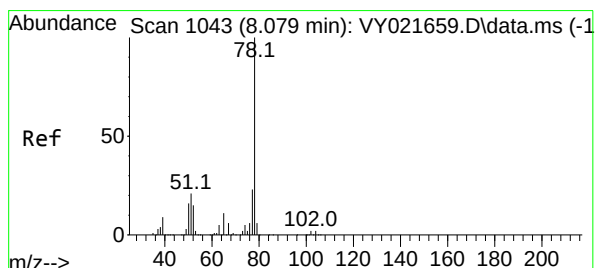
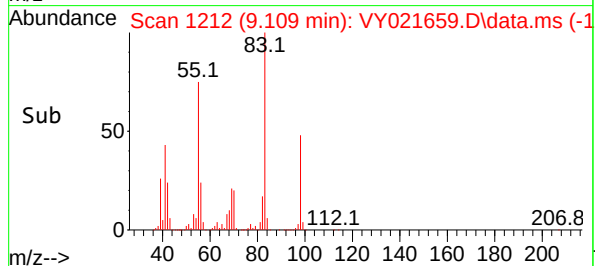
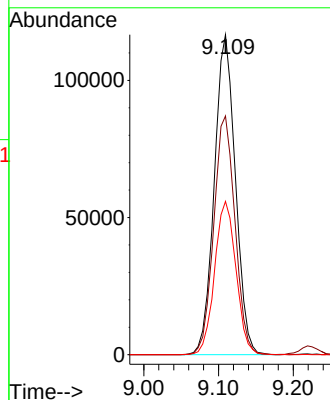
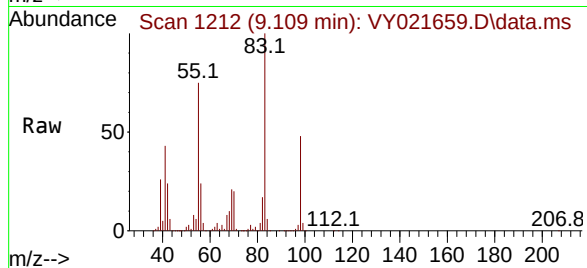
98 47.9 38.3 57.5

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

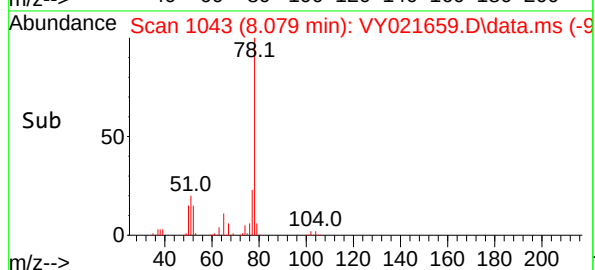
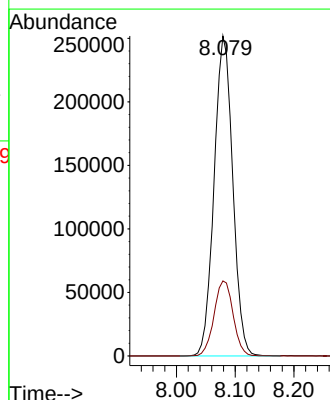
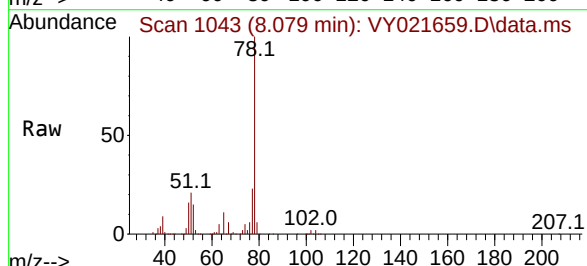
Acq: 27 Mar 2025 11:16

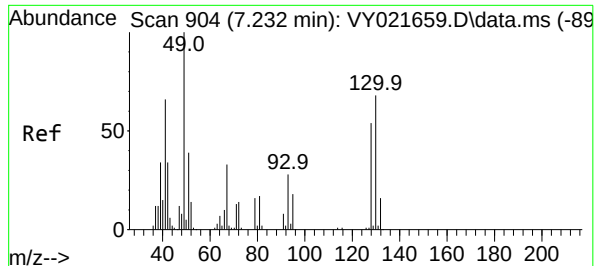
Tgt Ion: 78 Resp: 554462

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

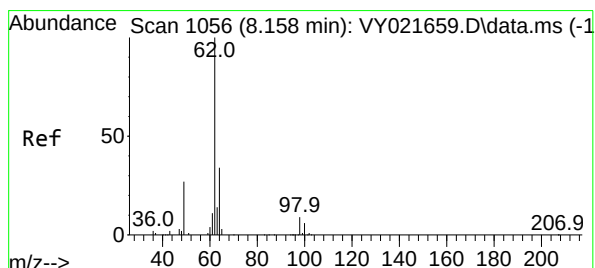
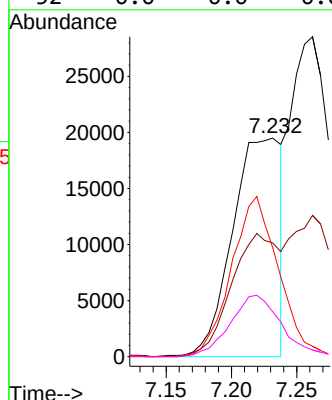
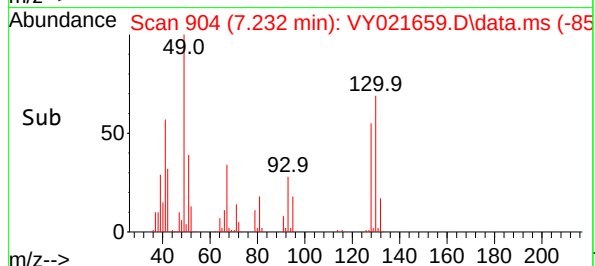
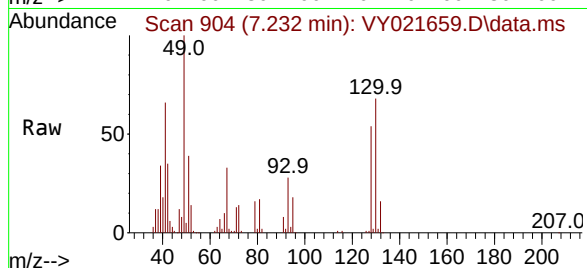
52 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed 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

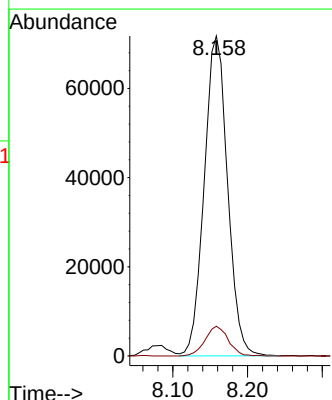
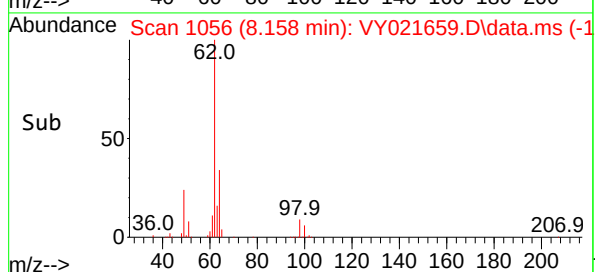
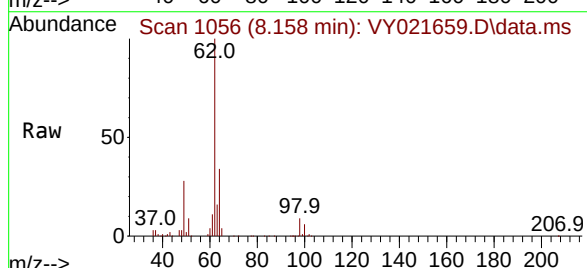
Acq: 27 Mar 2025 11:16

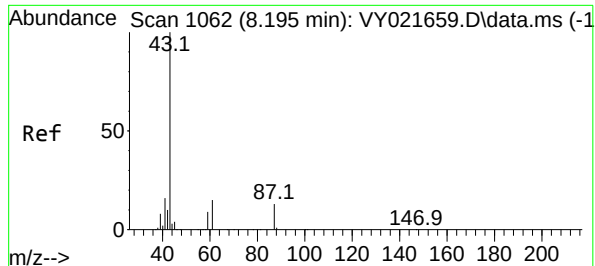
Tgt Ion: 62 Resp: 155365

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

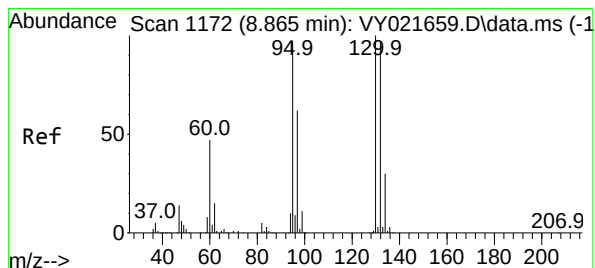
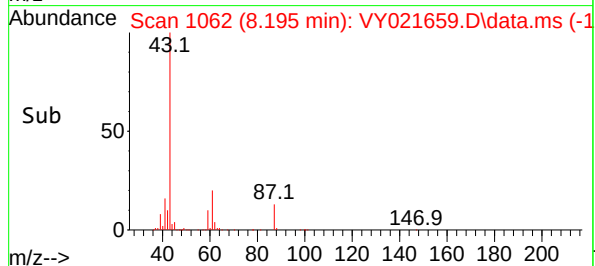
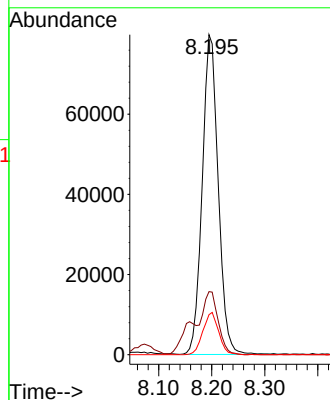
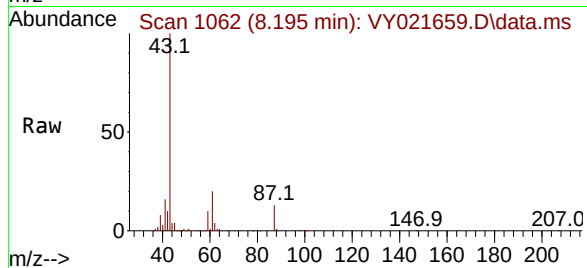
43 100

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

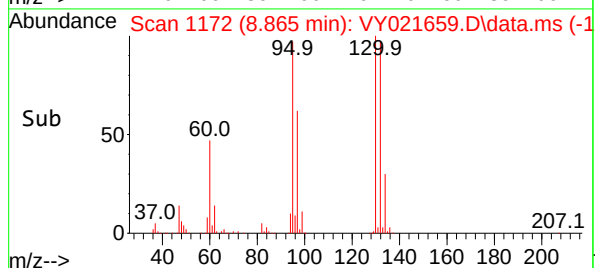
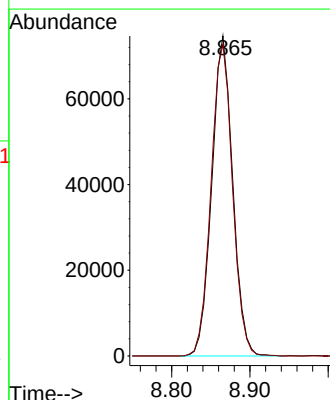
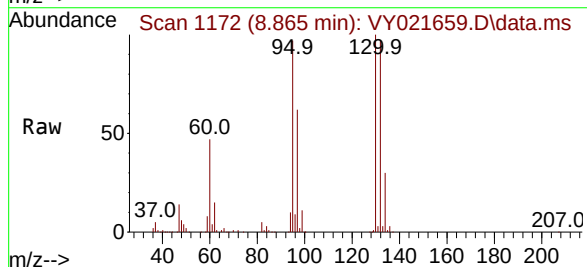
Acq: 27 Mar 2025 11:16

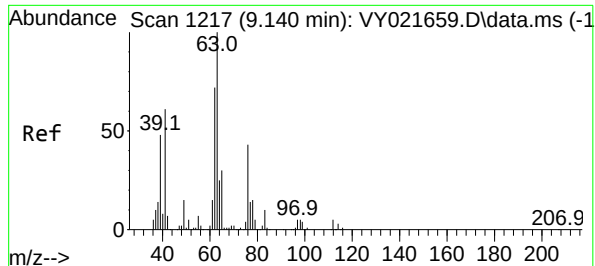
Tgt Ion:130 Resp: 138449

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

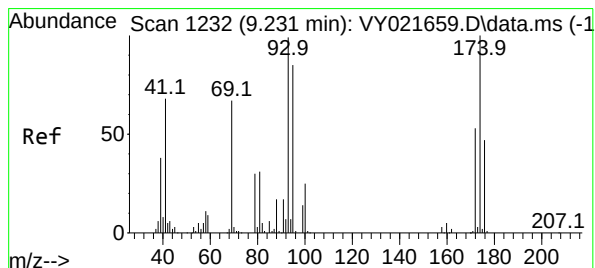
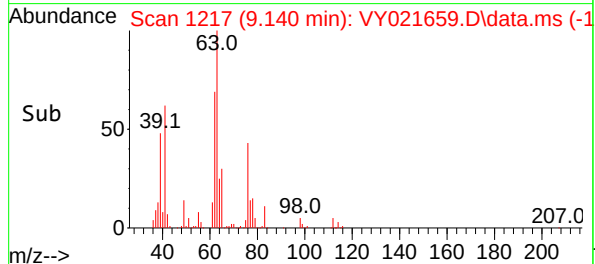
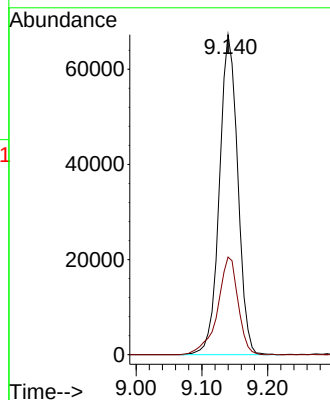
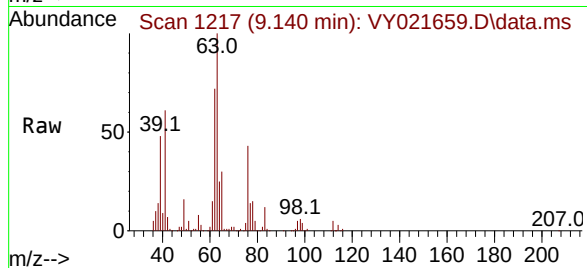
65 30.5 24.4 36.6

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

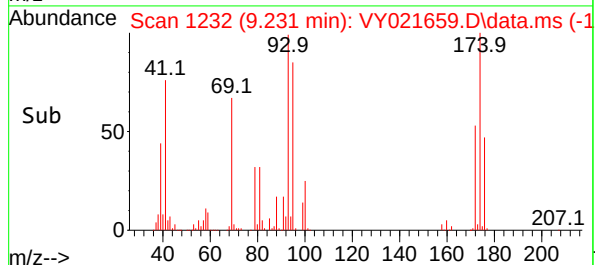
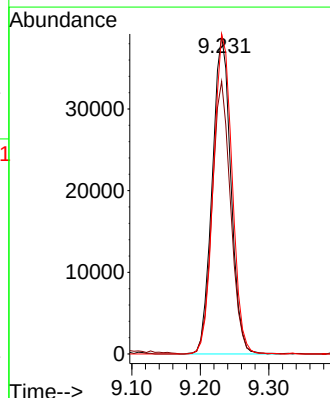
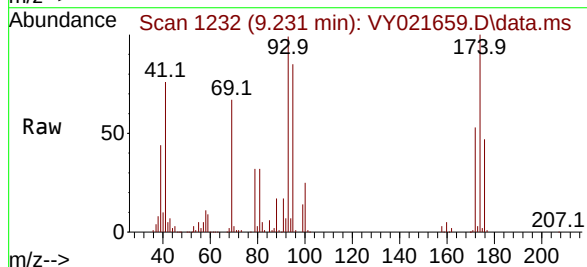
Tgt Ion: 93 Resp: 73435

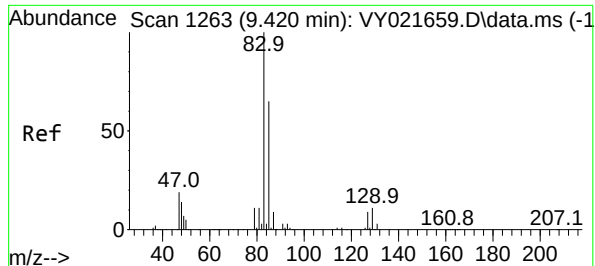
Ion Ratio Lower Upper

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 :

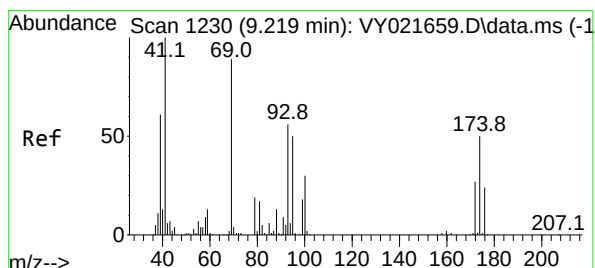
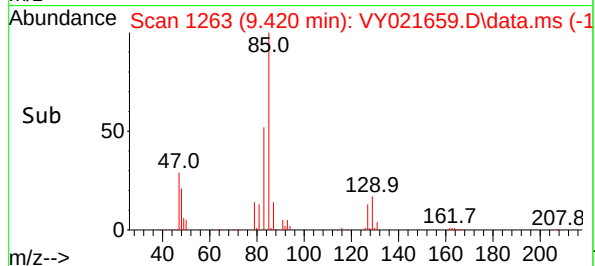
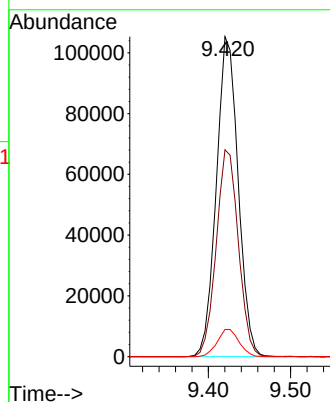
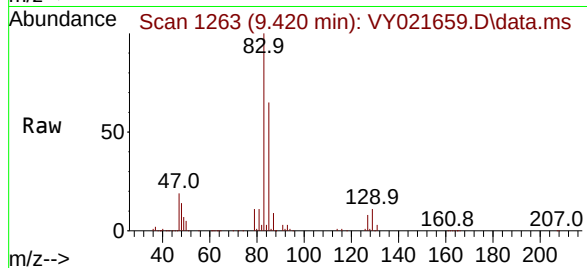
VSTDICCC050

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

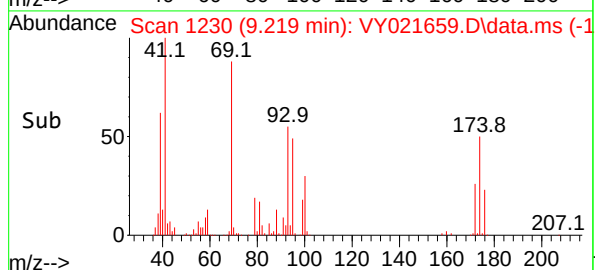
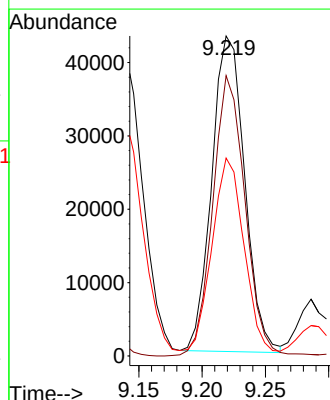
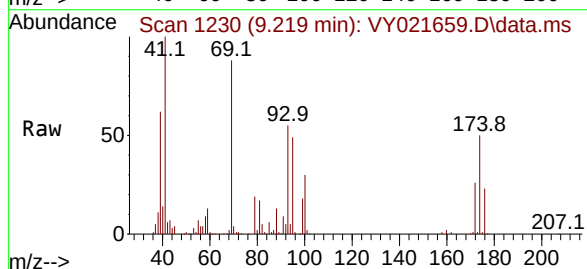
RT: 9.219 min Scan# 1230

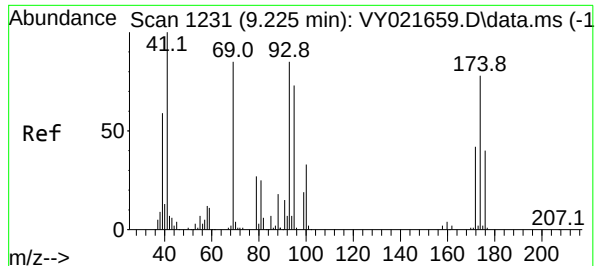
Delta R.T. 0.000 min

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

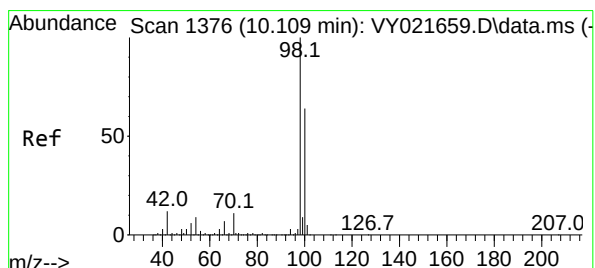
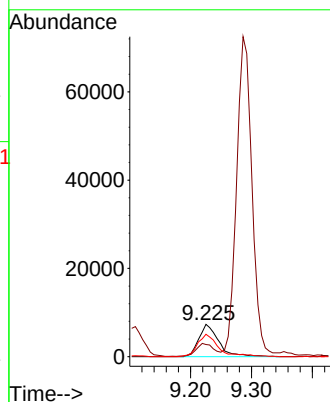
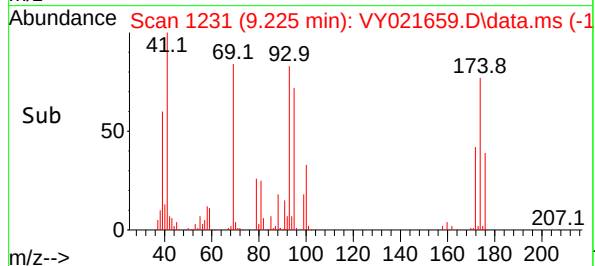
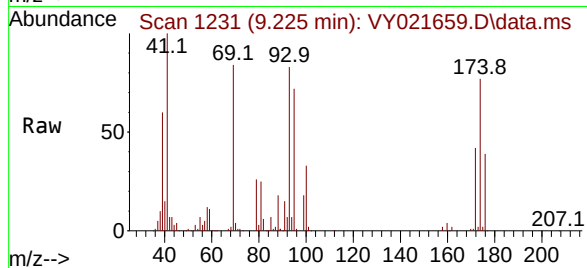
58 74.3 59.4 89.2

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

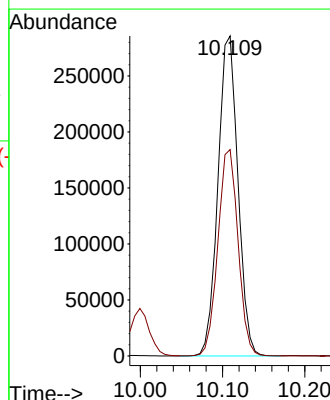
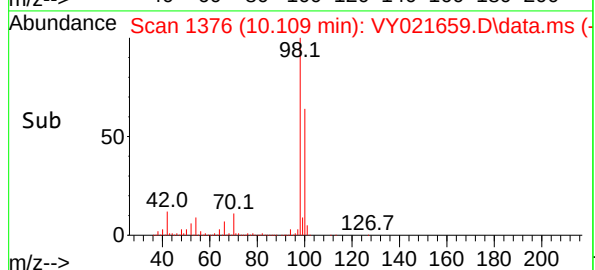
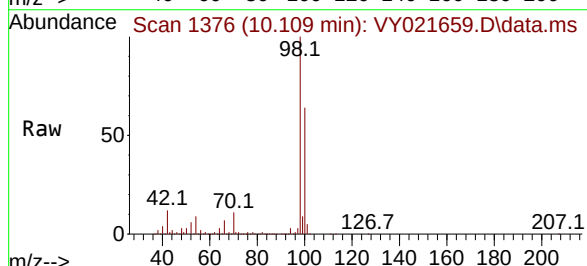
Acq: 27 Mar 2025 11:16

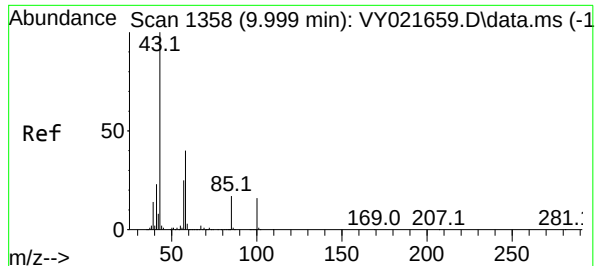
Tgt Ion: 98 Resp: 483058

Ion Ratio Lower Upper

98 100

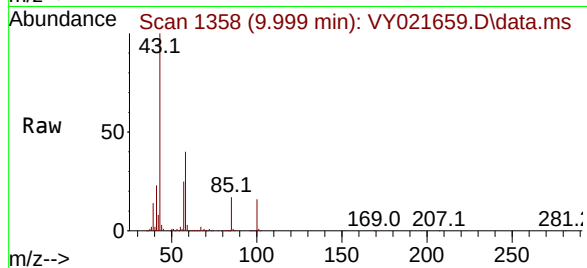
100 65.1 52.1 78.1





#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

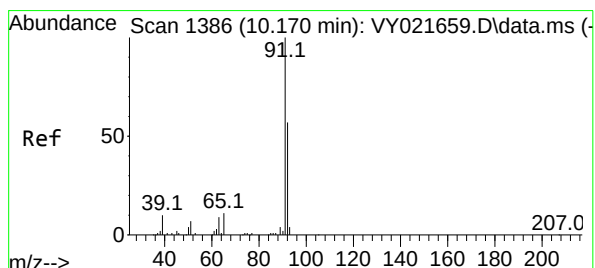
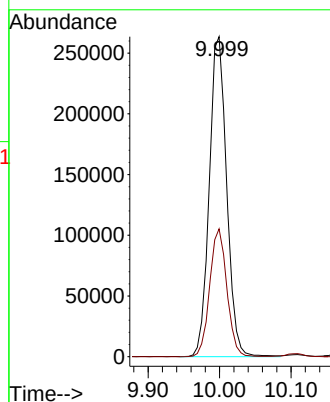
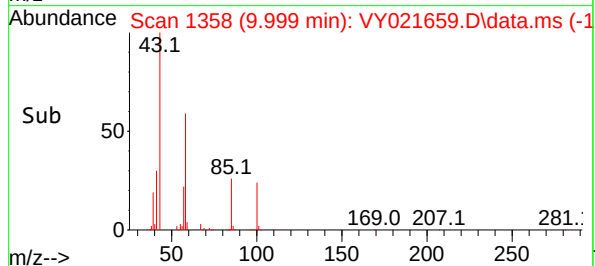
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 445564
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

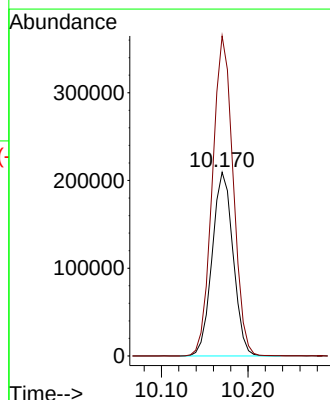
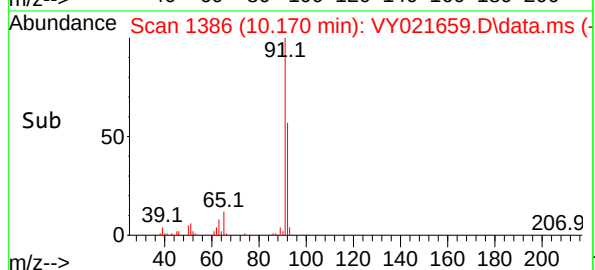
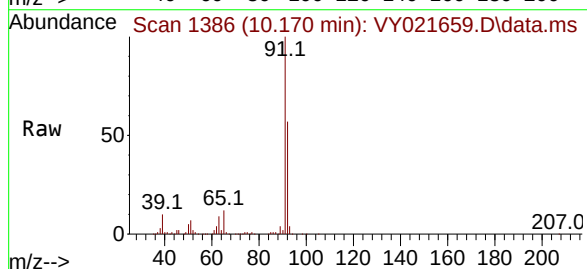
Manual Integrations
APPROVED

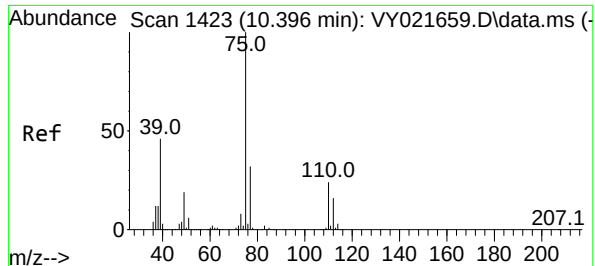
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

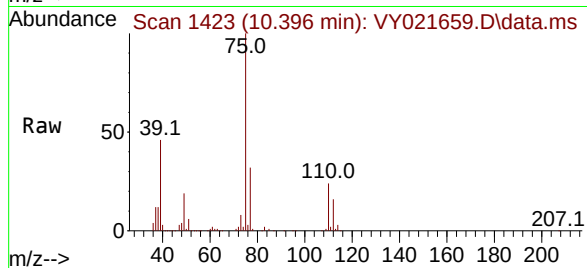
Tgt Ion: 92 Resp: 351715
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8





#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

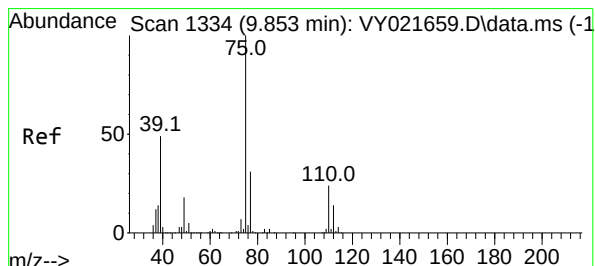
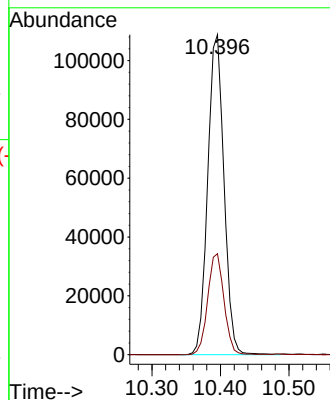
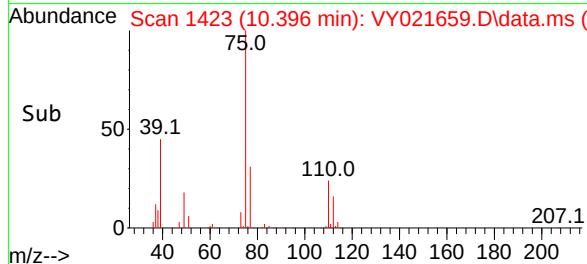
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

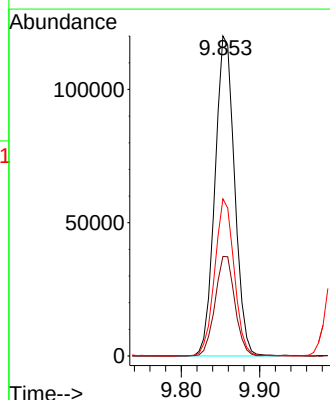
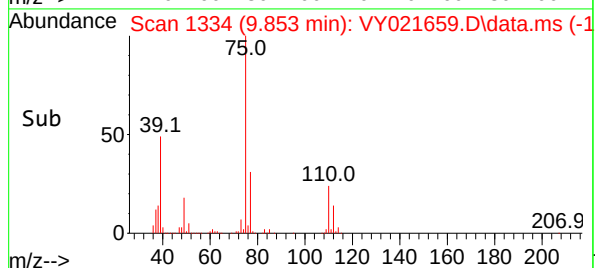
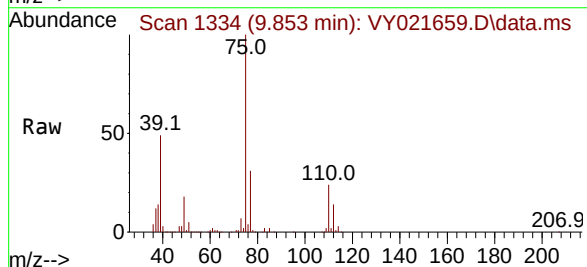
Manual Integrations
APPROVED

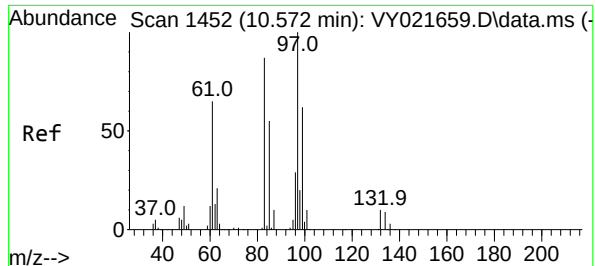
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

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

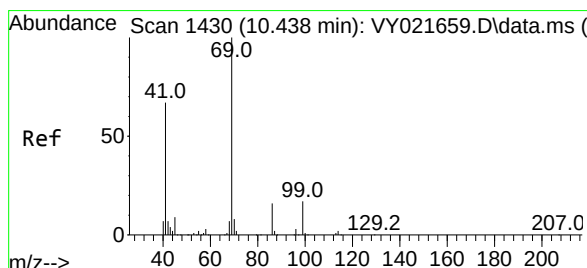
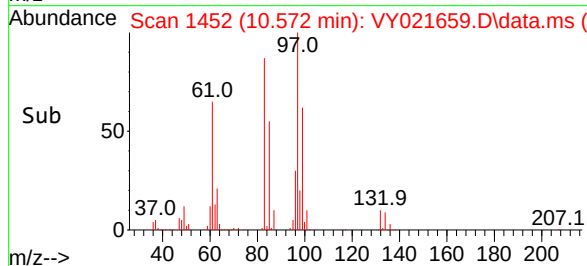
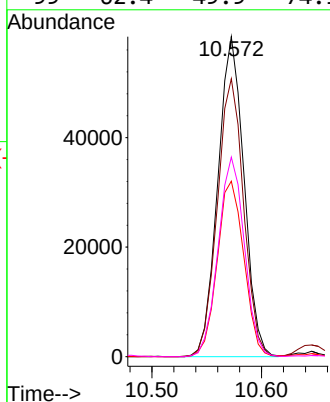
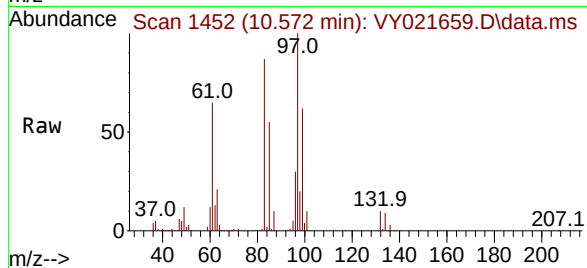
99 62.4 49.9 74.9

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

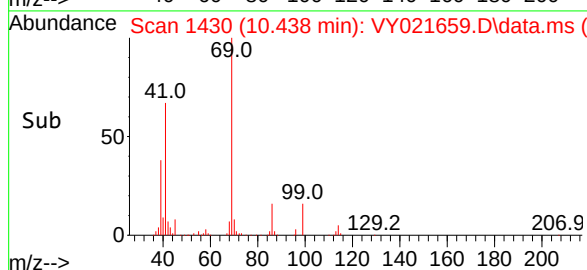
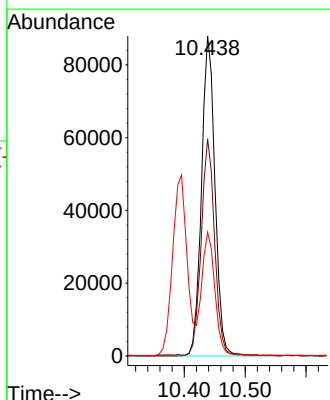
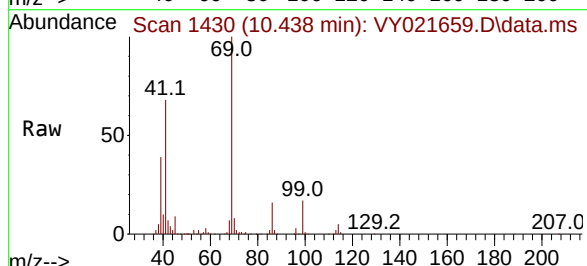
Tgt Ion: 69 Resp: 135272

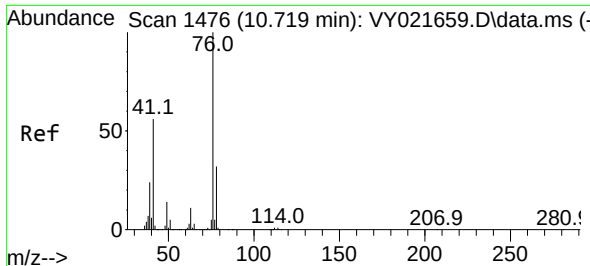
Ion Ratio Lower Upper

69 100

41 67.2 53.8 80.6

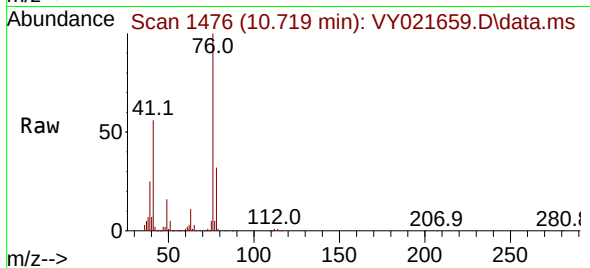
39 37.0 29.6 44.4





#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

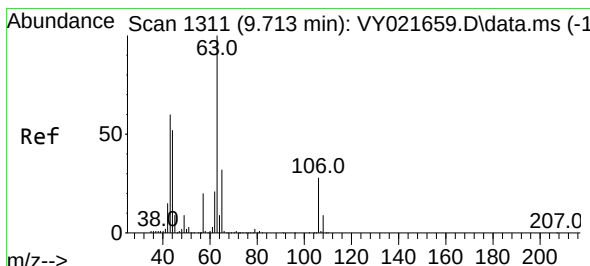
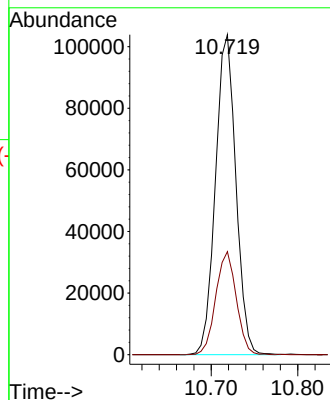
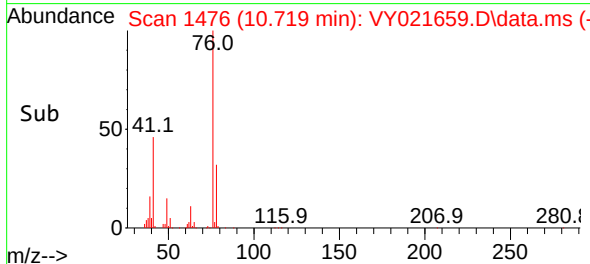
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 170109
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

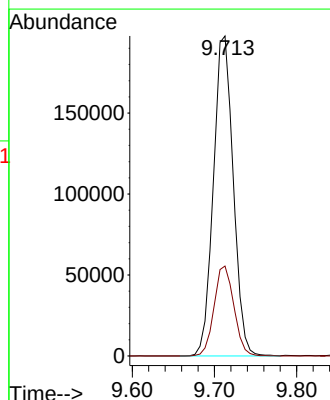
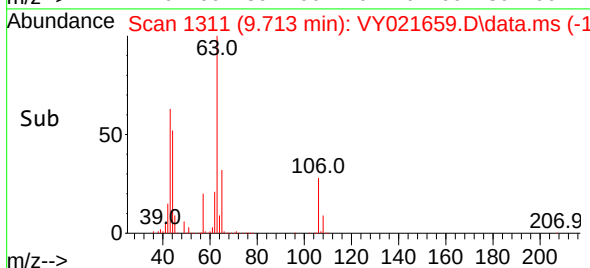
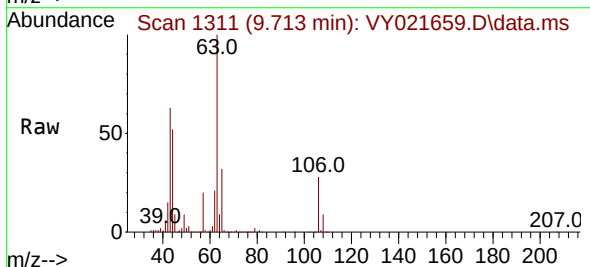
Manual Integrations
APPROVED

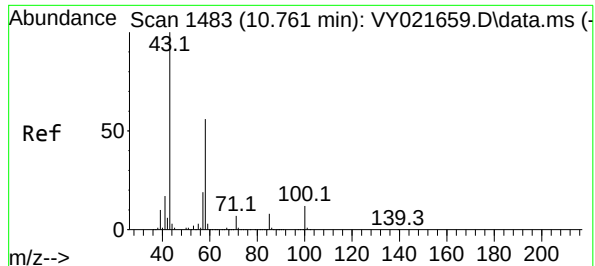
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

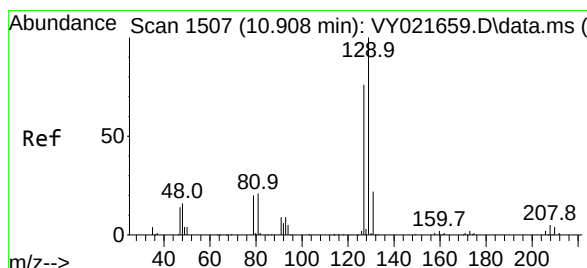
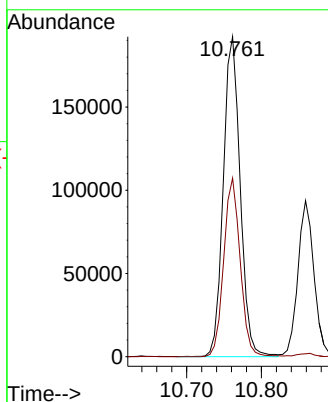
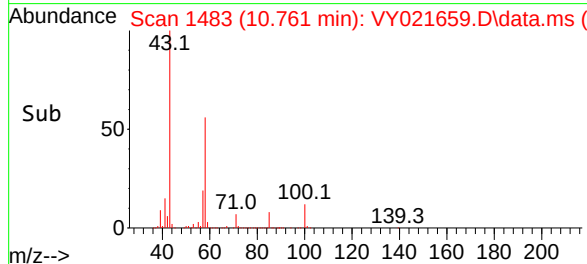
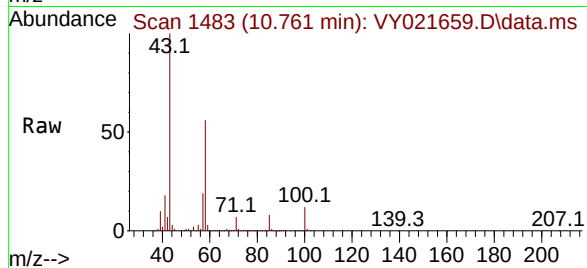
58 54.3 27.2 81.5

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

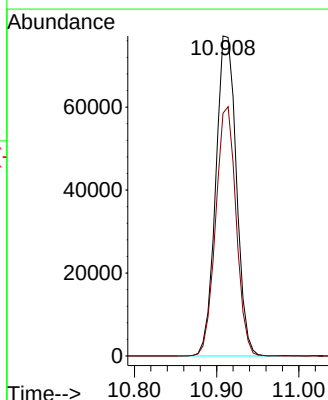
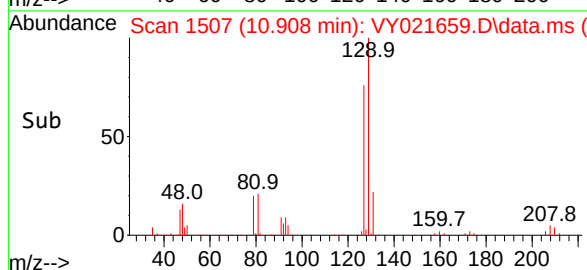
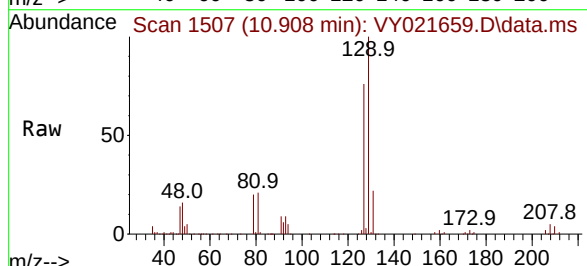
Acq: 27 Mar 2025 11:16

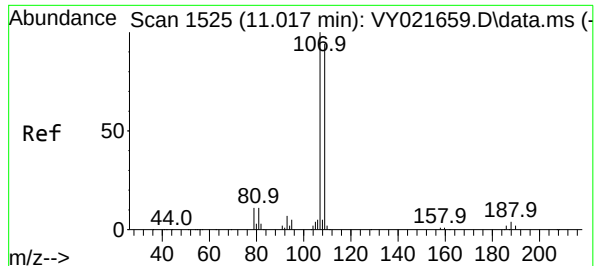
Tgt Ion:129 Resp: 134696

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.7





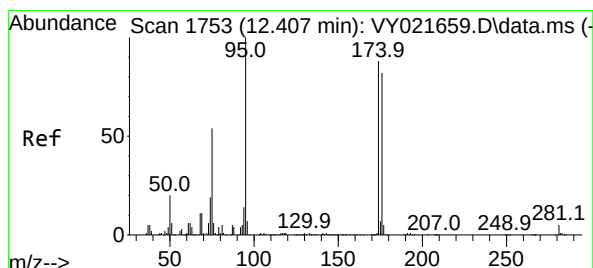
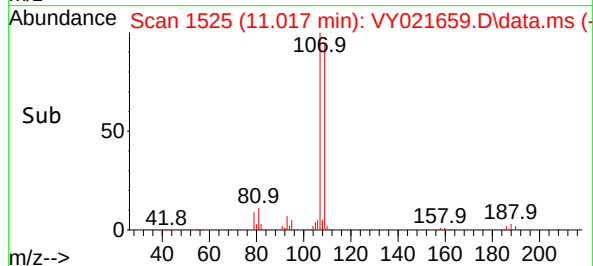
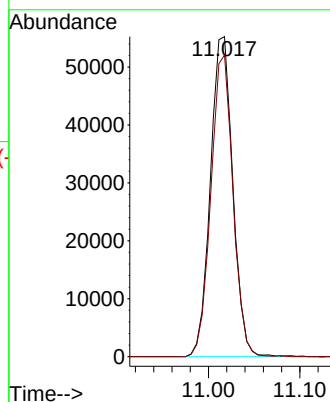
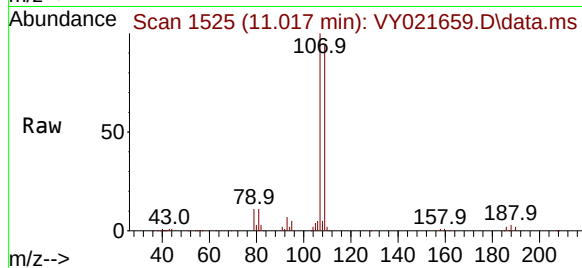
#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 93860
Ion Ratio Lower Upper
107 100
109 93.0 74.4 111.6

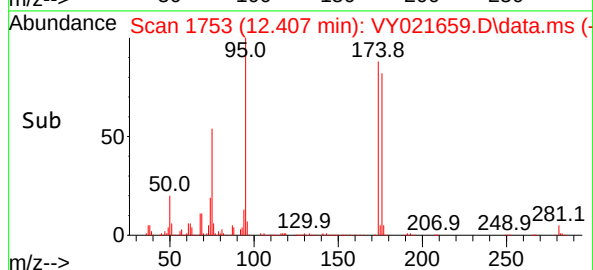
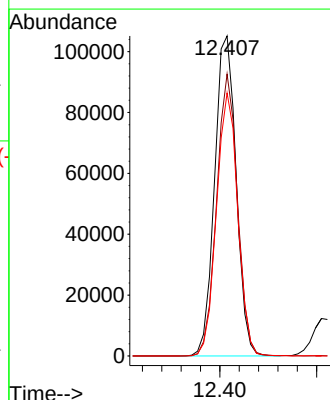
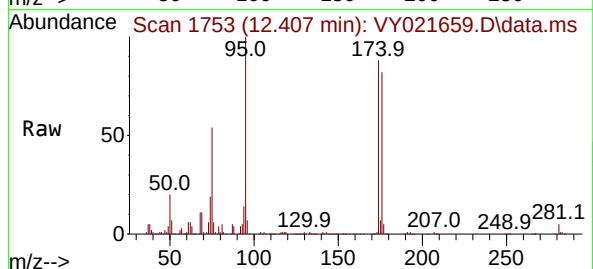
Manual Integrations
APPROVED

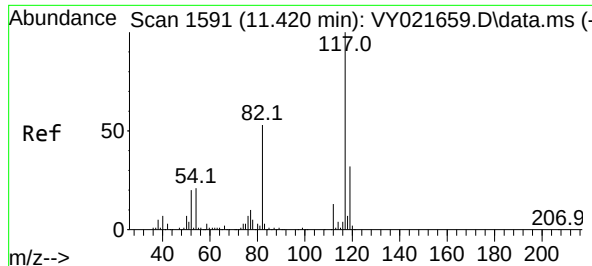
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

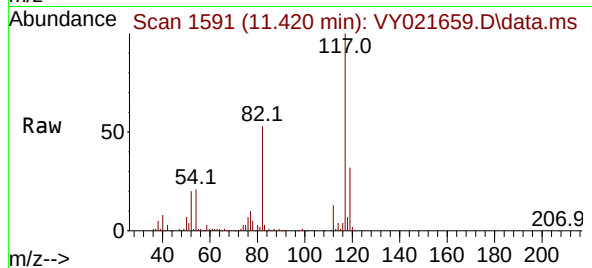
Tgt Ion: 95 Resp: 162384
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 81.0 0.0 162.0





#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

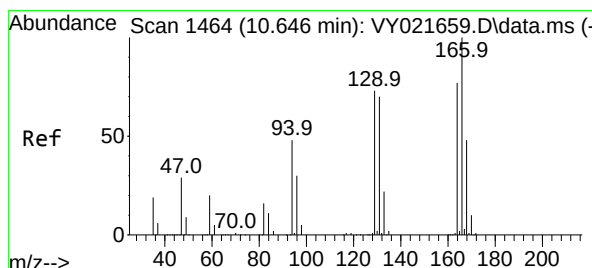
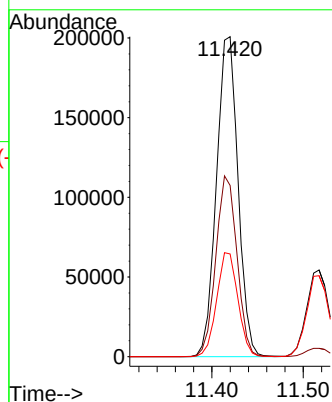
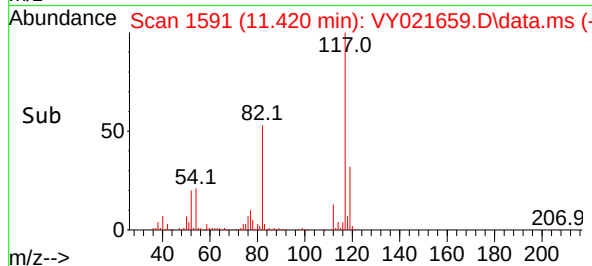
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

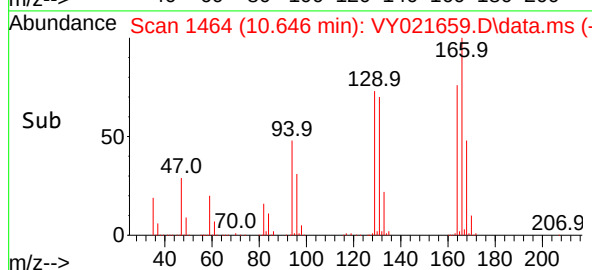
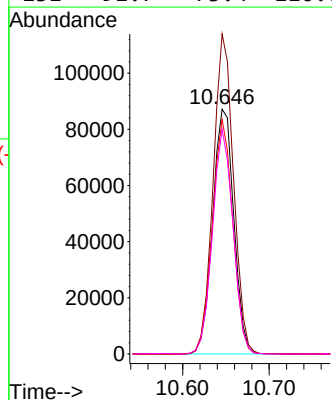
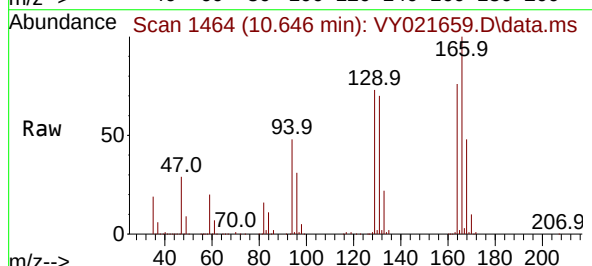
Manual Integrations
APPROVED

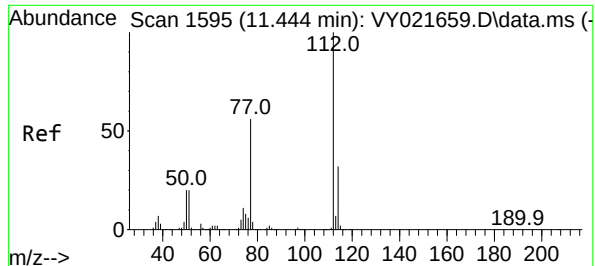
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

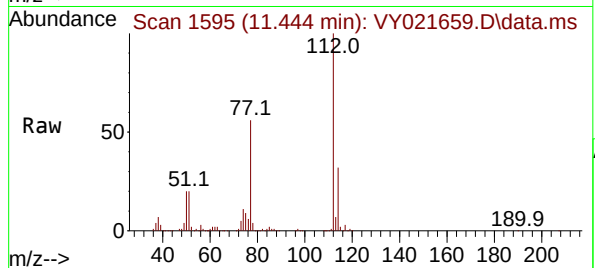
Tgt Ion:164 Resp: 147971
Ion Ratio Lower Upper
164 100
166 130.7 104.6 156.8
129 95.7 76.6 114.8
131 91.7 73.4 110.0





#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

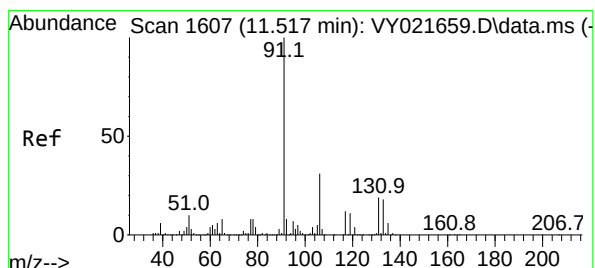
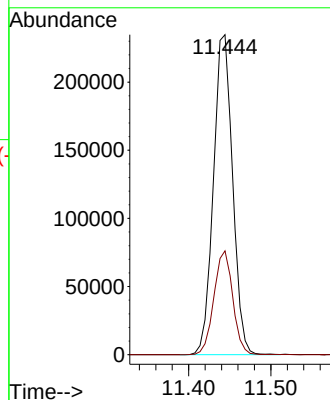
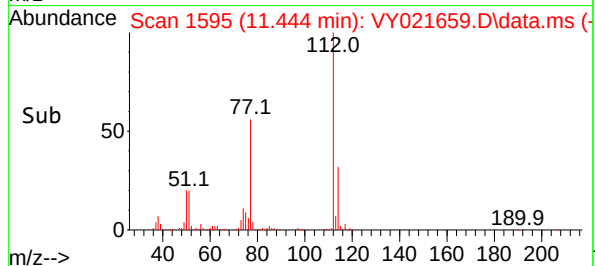
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 38066
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

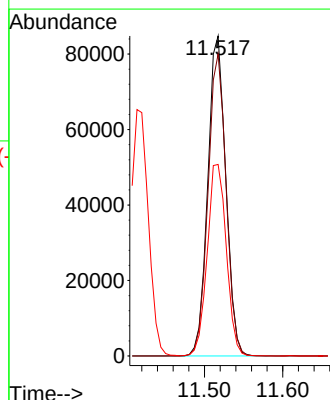
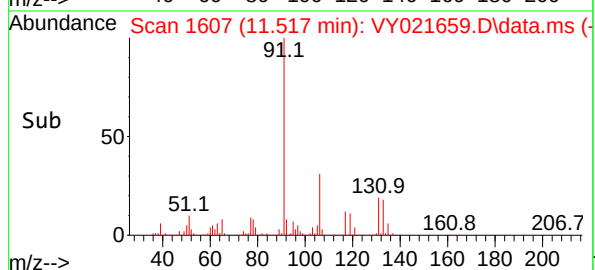
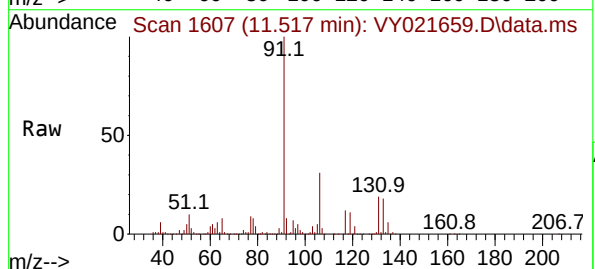
Manual Integrations
APPROVED

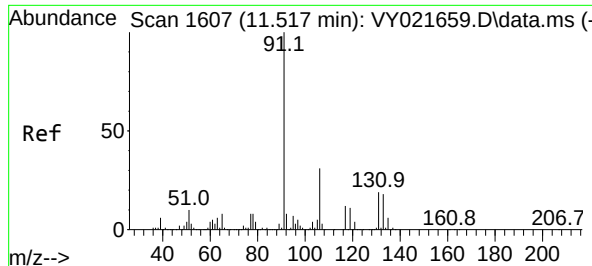
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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: 676208

Ion Ratio Lower Upper

91 100

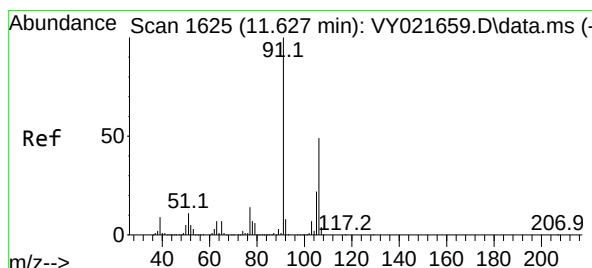
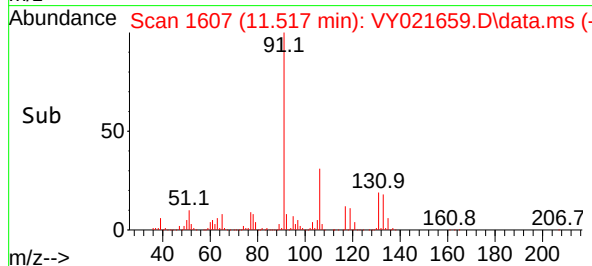
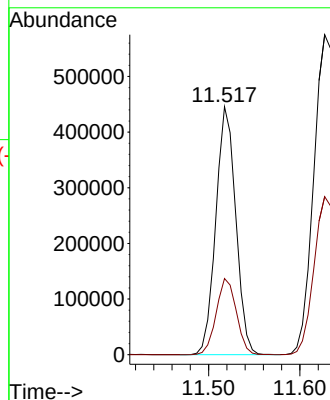
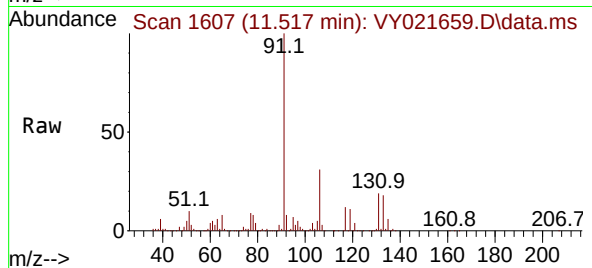
106 30.7 24.6 36.8

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

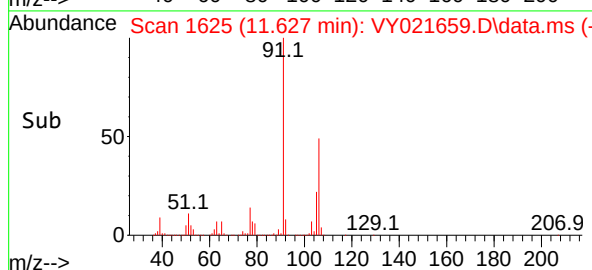
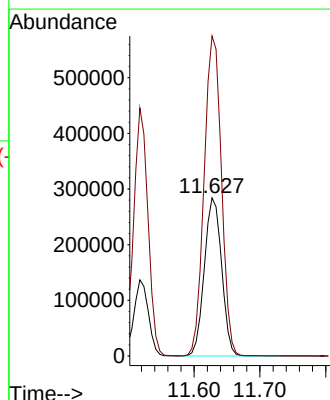
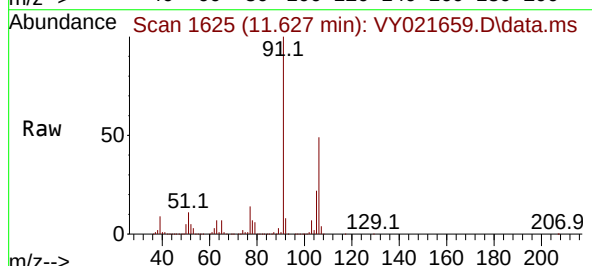
Acq: 27 Mar 2025 11:16

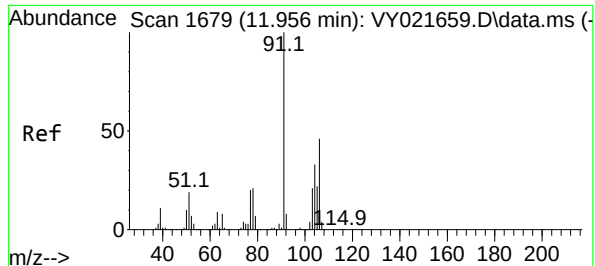
Tgt Ion:106 Resp: 519154

Ion Ratio Lower Upper

106 100

91 203.0 162.4 243.6





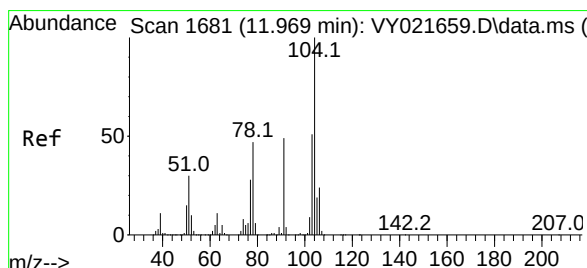
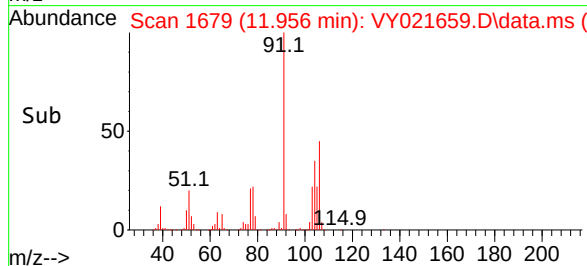
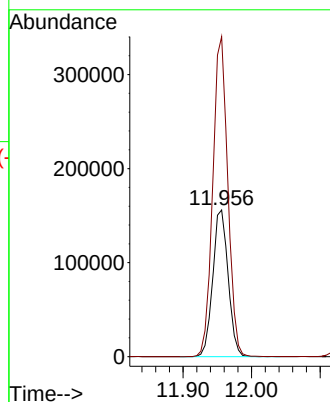
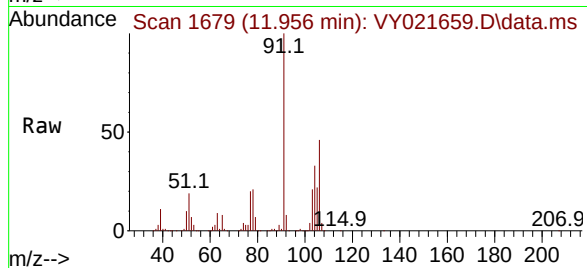
#69
o-Xylene
Concen: 53.135 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 243359
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9

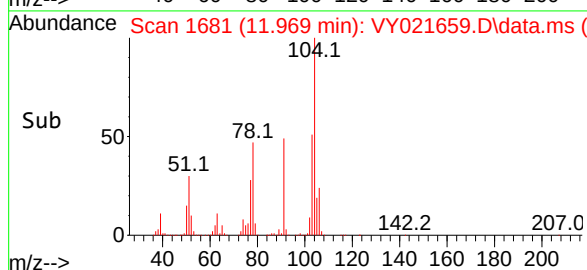
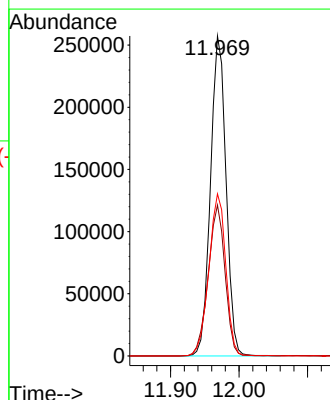
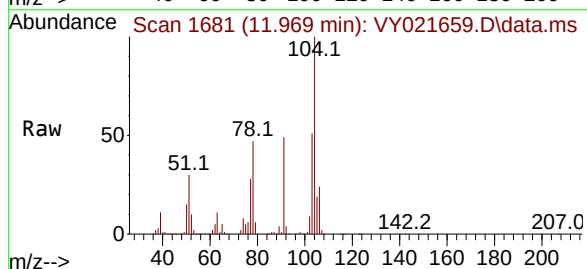
Manual Integrations
APPROVED

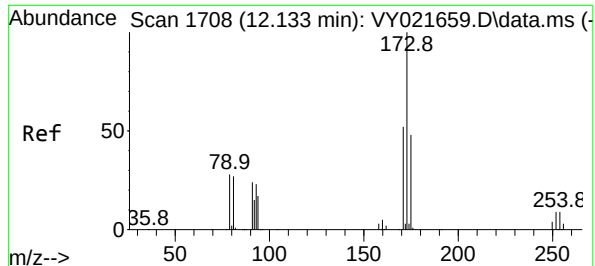
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

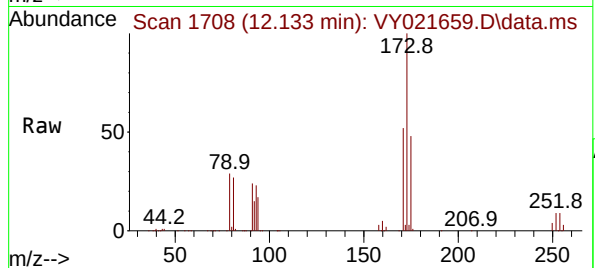
Tgt Ion:104 Resp: 406215
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.2 44.2 66.2





#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

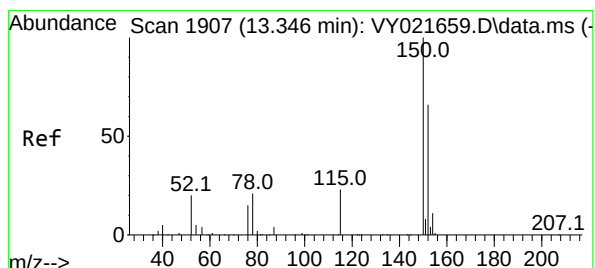
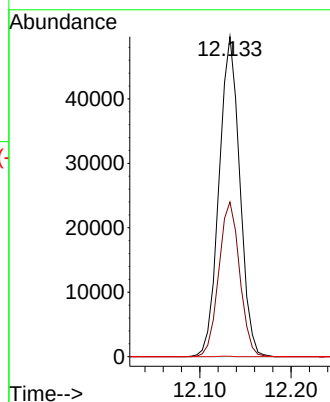
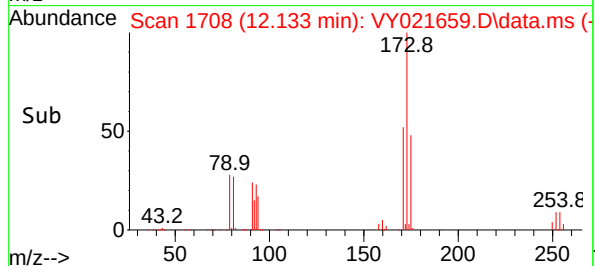
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



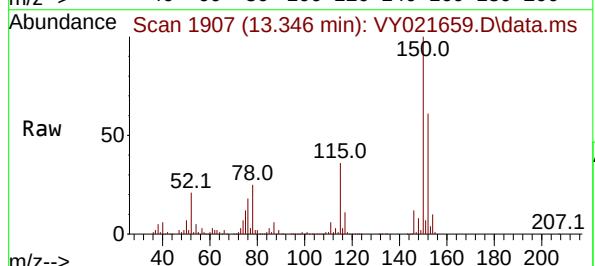
Tgt Ion:173 Resp: 78200
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

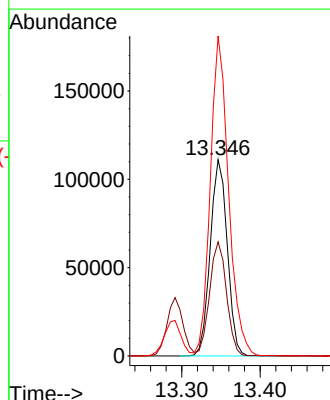
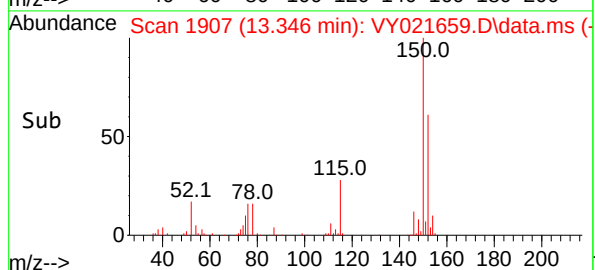
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

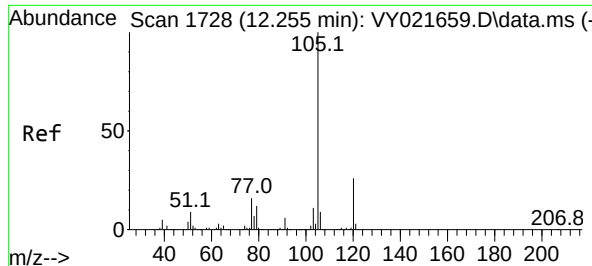


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16



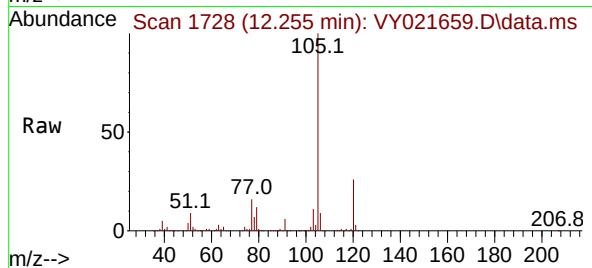
Tgt Ion:152 Resp: 167924
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 174.2 0.0 348.4





#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

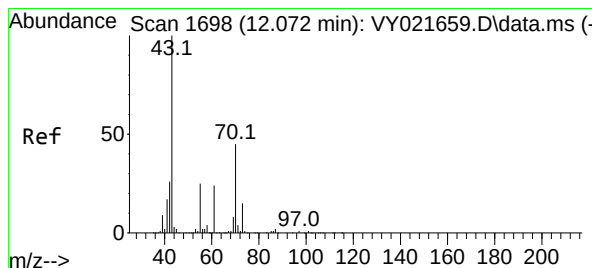
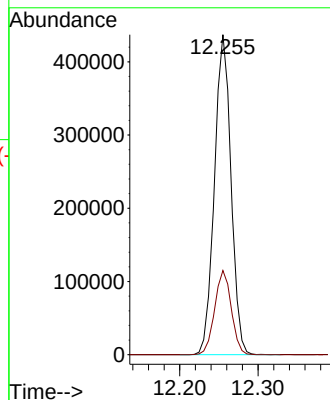
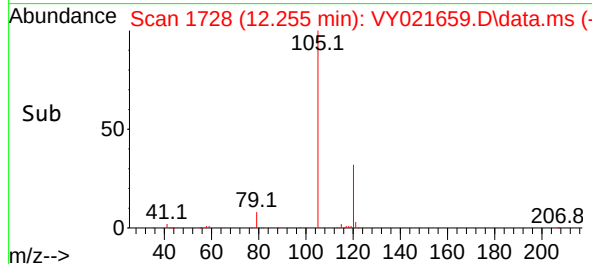
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 105 Resp: 64239
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

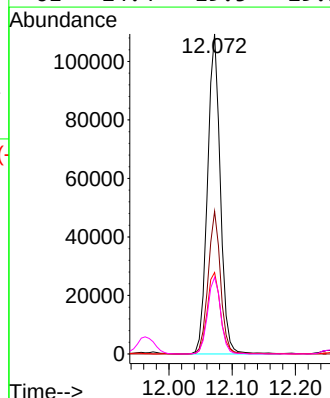
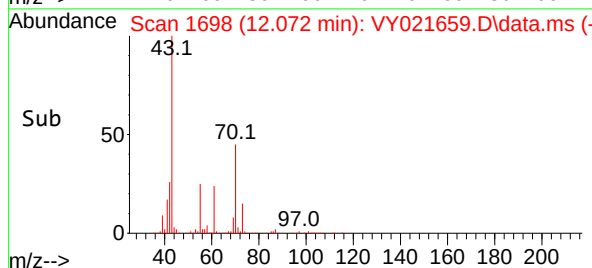
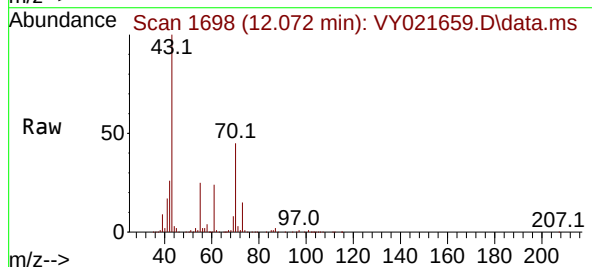
Manual Integrations
APPROVED

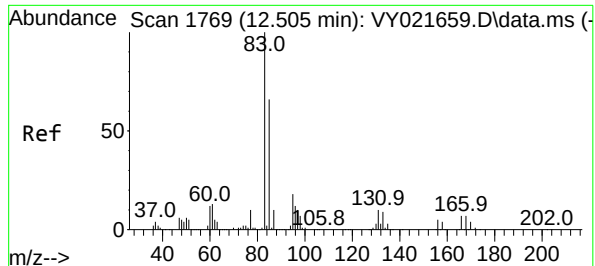
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





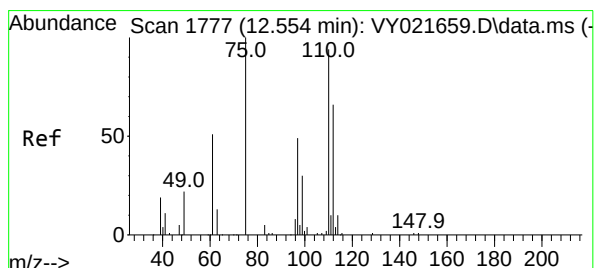
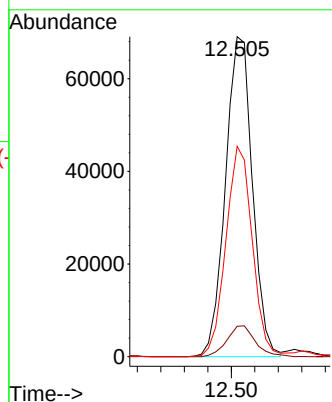
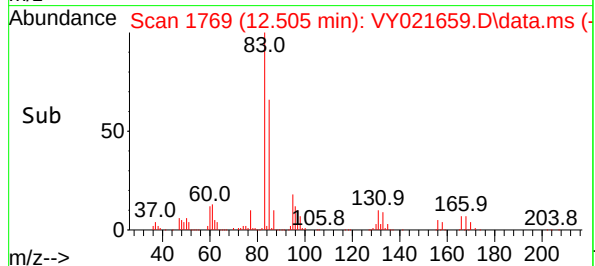
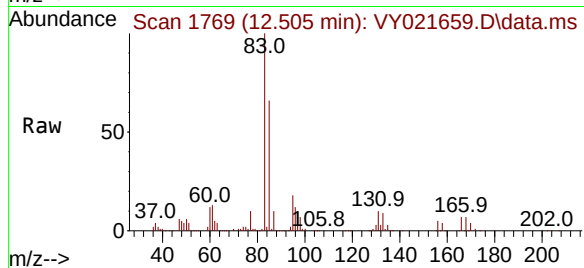
#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 110292
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 64.5 32.3 96.8

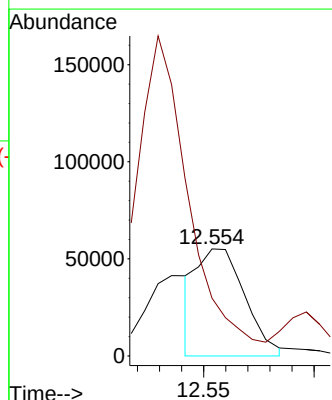
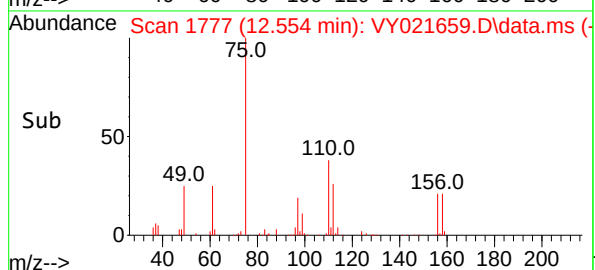
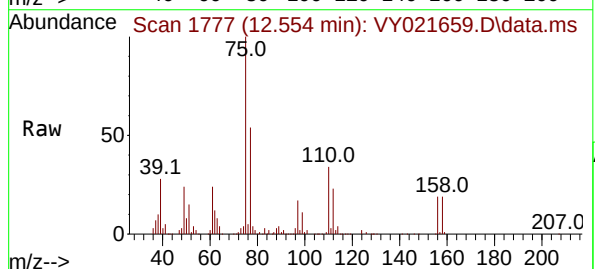
Manual Integrations
APPROVED

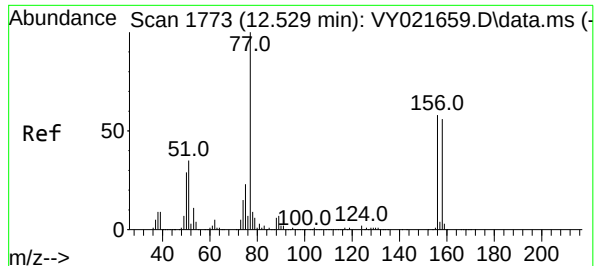
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





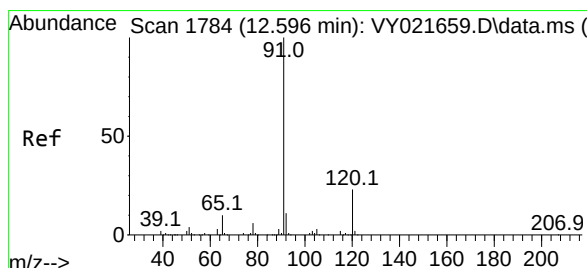
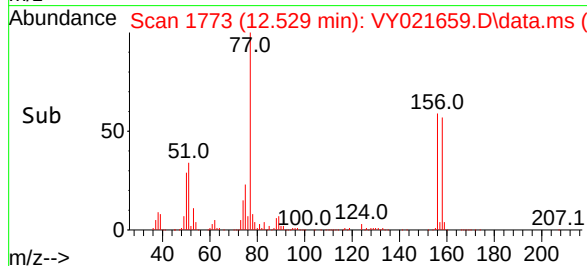
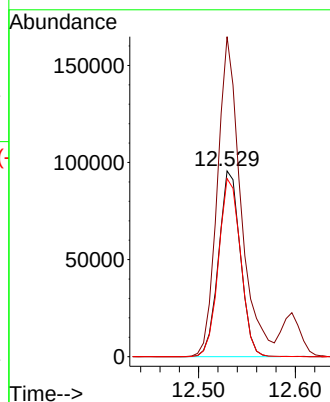
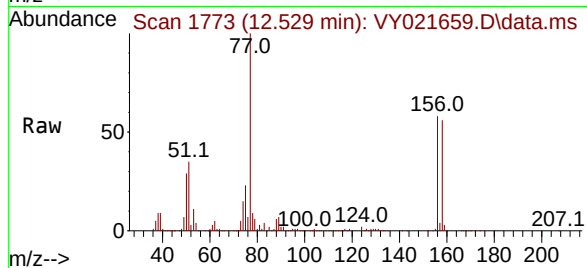
#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

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

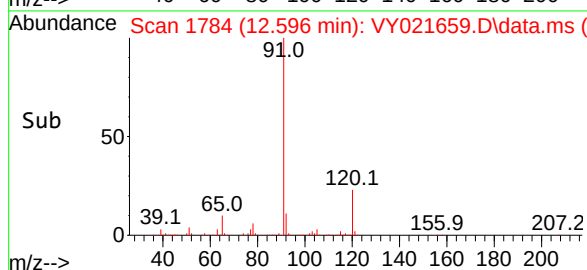
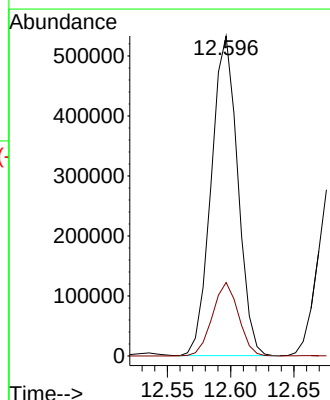
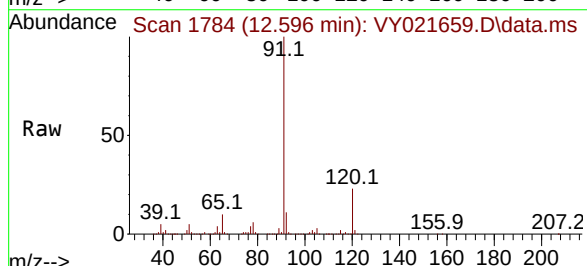
Manual Integrations
APPROVED

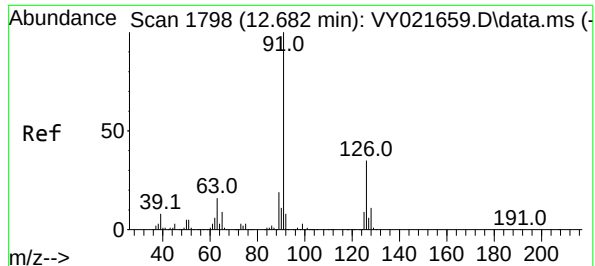
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

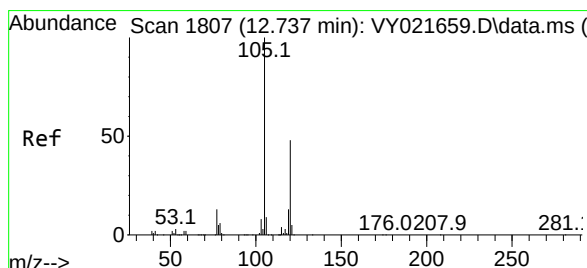
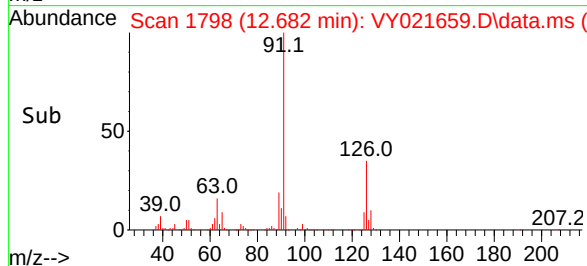
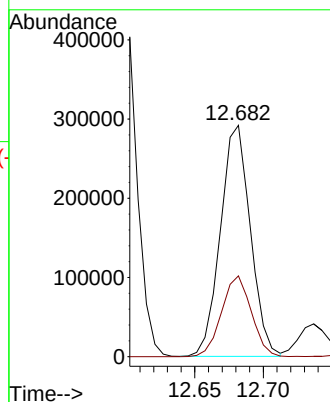
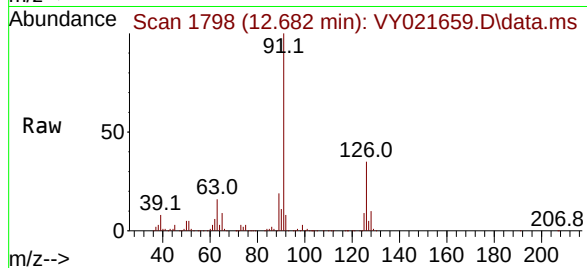
126 34.7 17.3 52.0

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

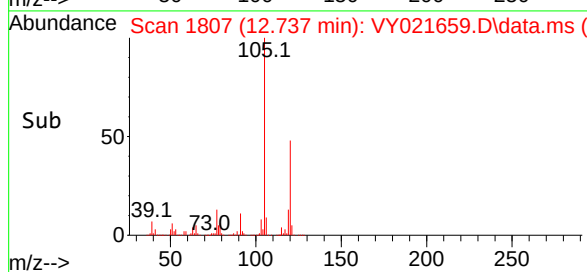
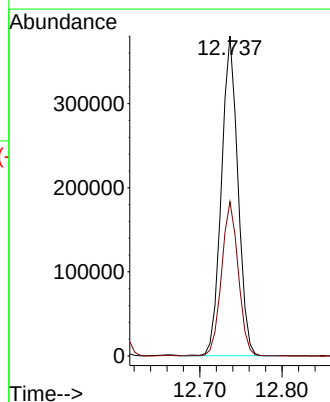
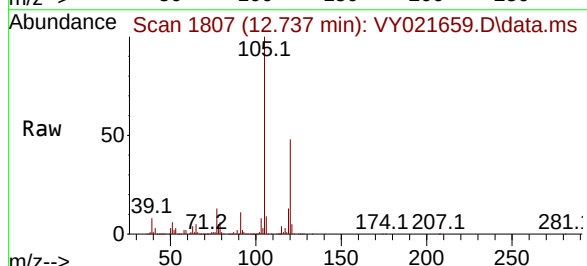
Acq: 27 Mar 2025 11:16

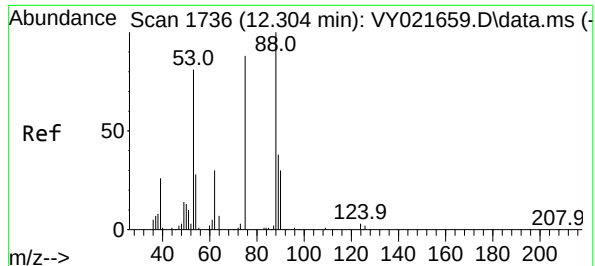
Tgt Ion:105 Resp: 528425

Ion Ratio Lower Upper

105 100

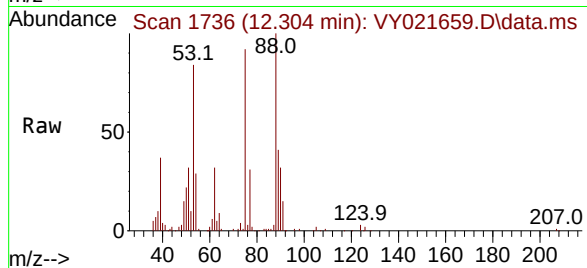
120 49.0 24.5 73.5





#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

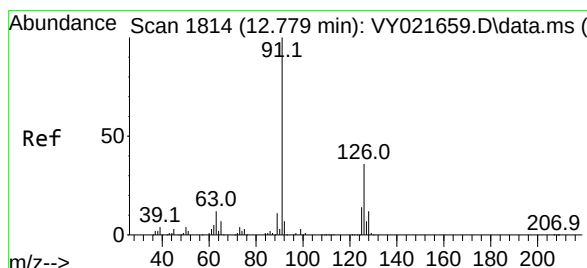
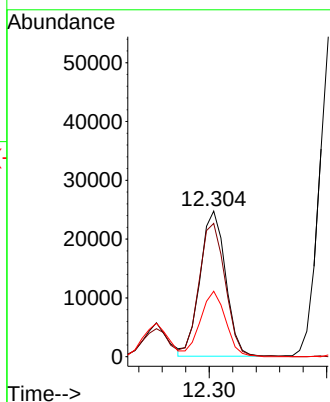
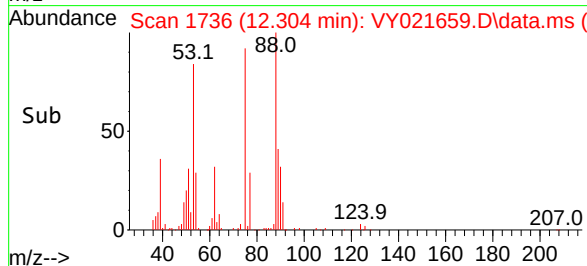
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



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

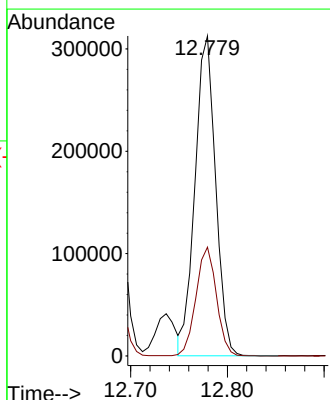
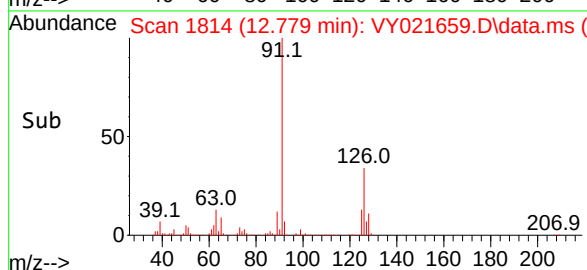
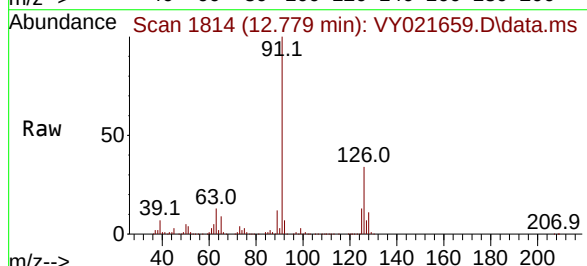
Manual Integrations
APPROVED

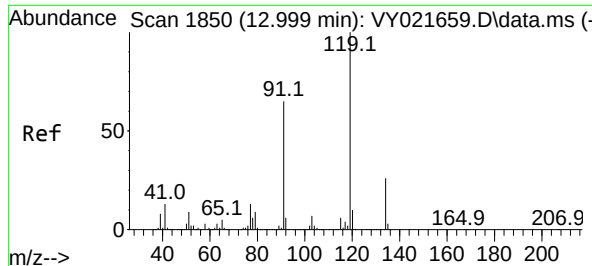
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

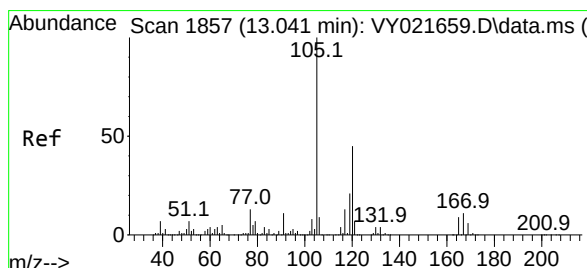
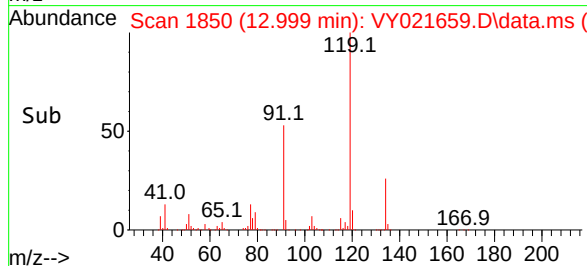
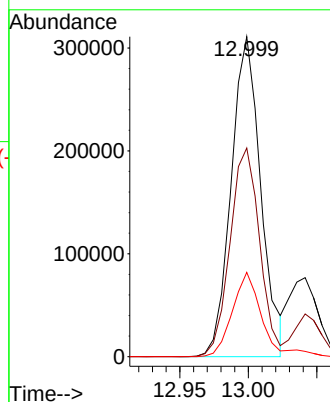
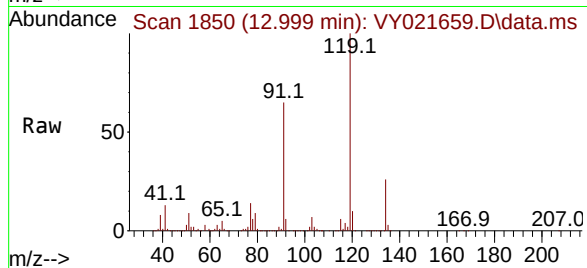
134 26.4 13.2 39.6

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

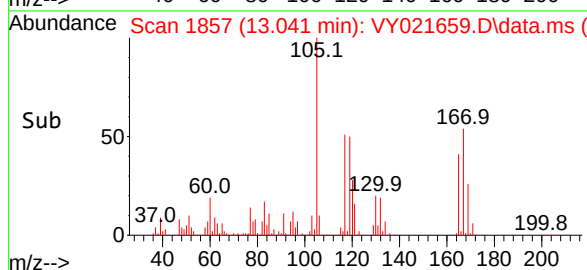
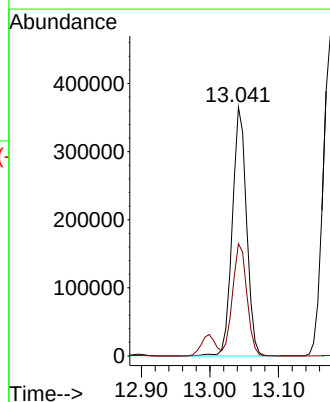
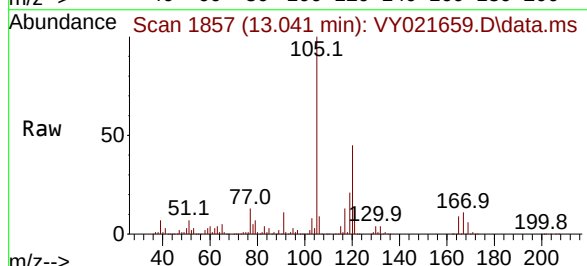
Acq: 27 Mar 2025 11:16

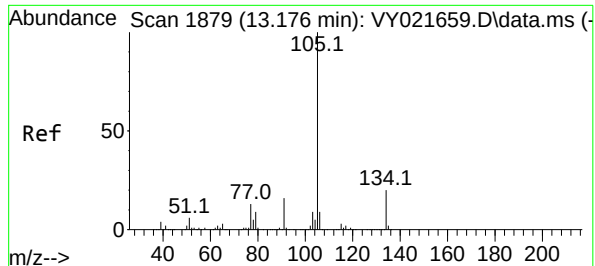
Tgt Ion:105 Resp: 526387

Ion Ratio Lower Upper

105 100

120 45.4 22.7 68.1





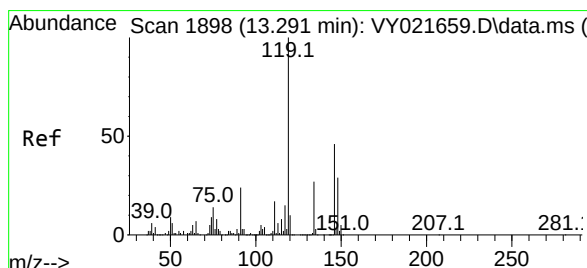
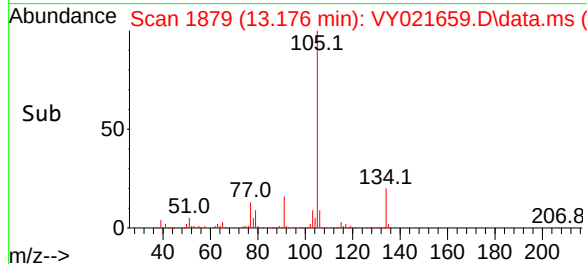
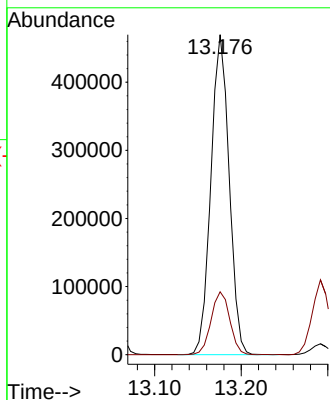
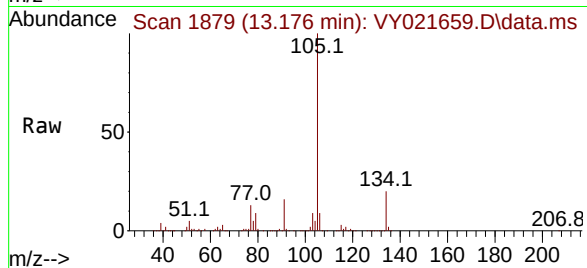
#85
sec-Butylbenzene
Concen: 51.820 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 68757
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

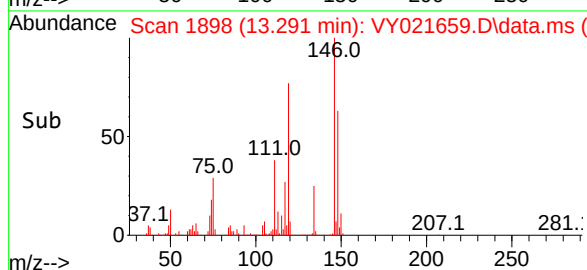
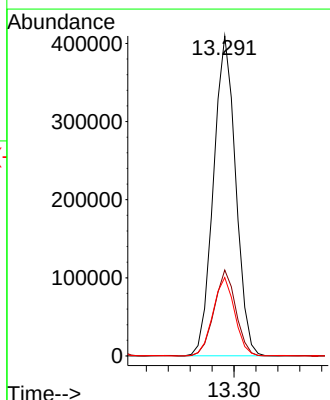
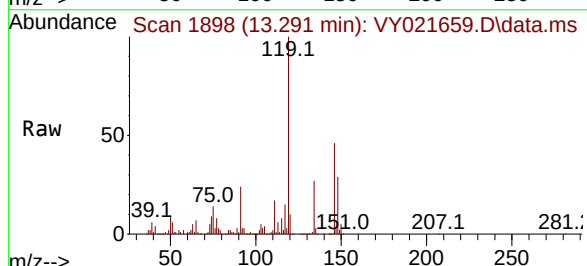
Manual Integrations
APPROVED

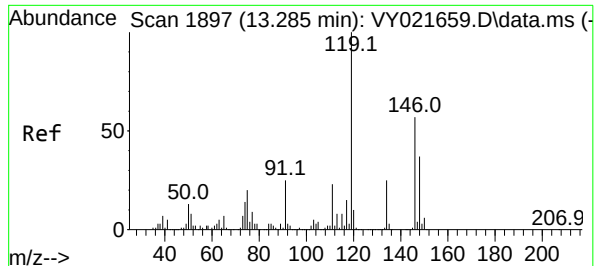
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

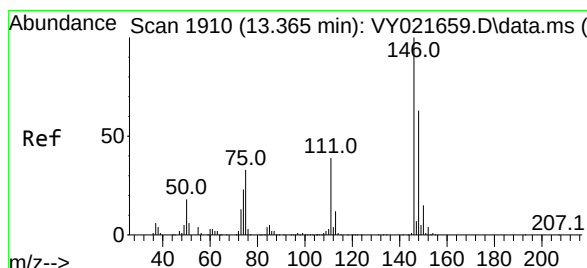
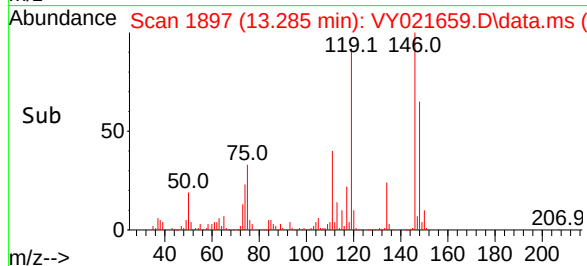
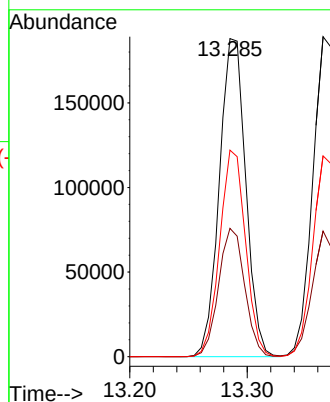
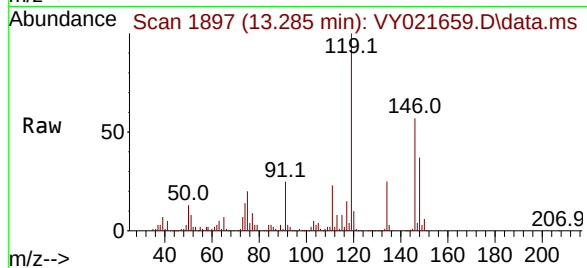
VSTDICCC050

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

APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 50.147 ug/l

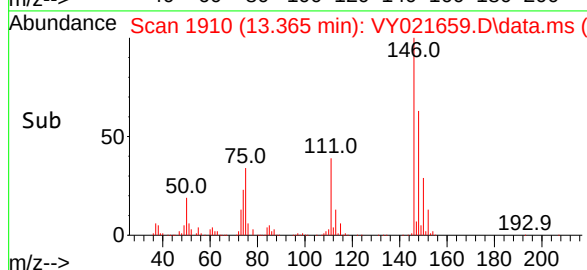
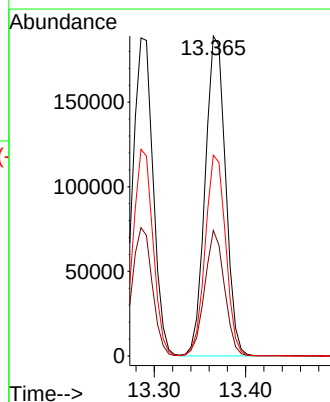
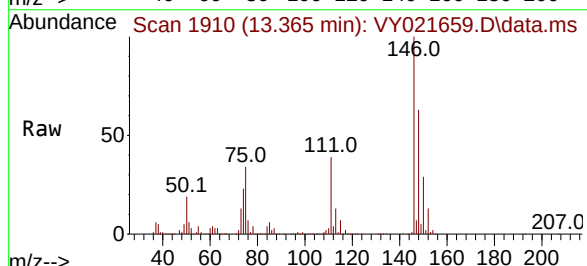
RT: 13.365 min Scan# 1910

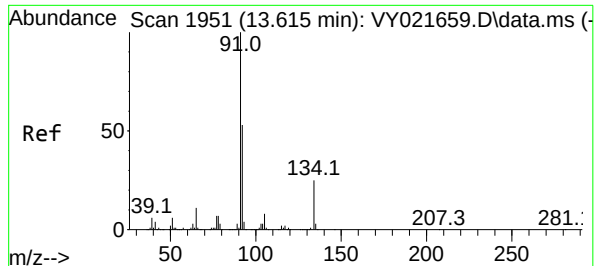
Delta R.T. 0.000 min

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 :

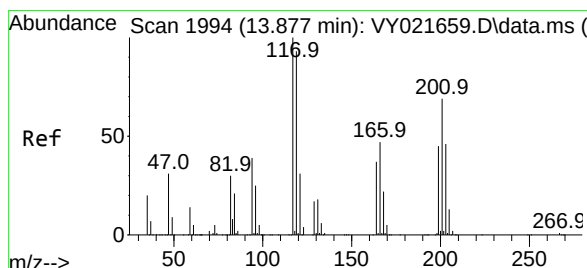
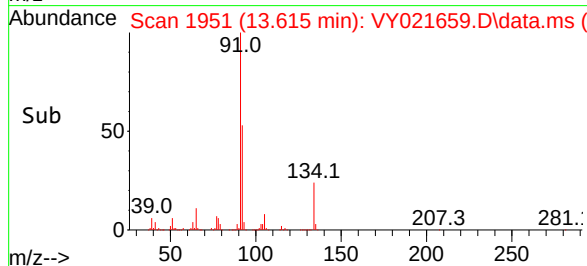
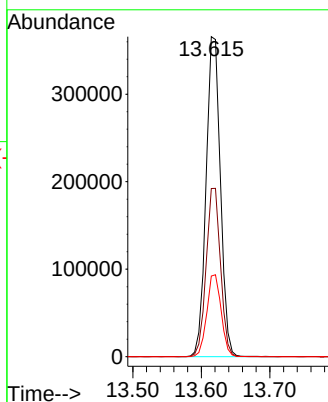
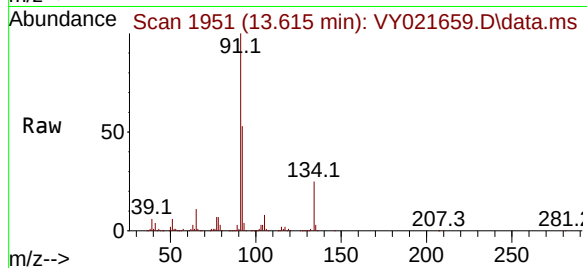
VSTDICCC050

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

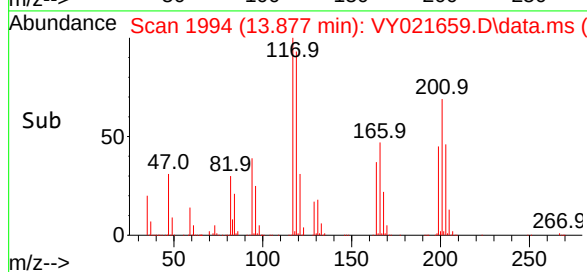
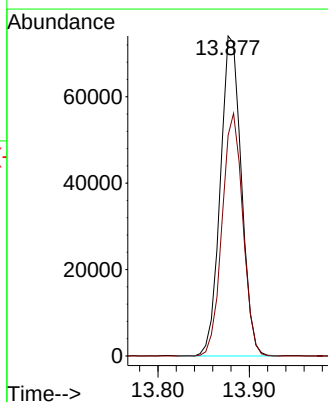
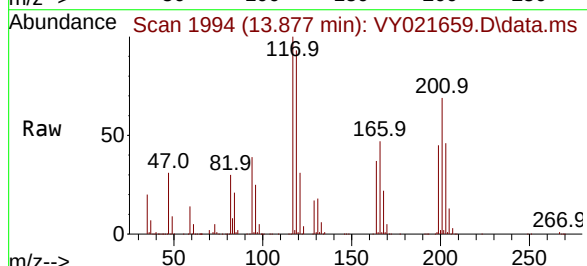
RT: 13.877 min Scan# 1994

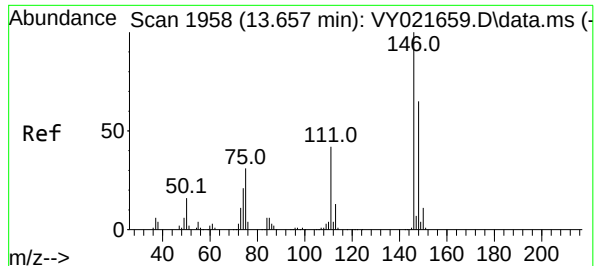
Delta R.T. 0.000 min

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





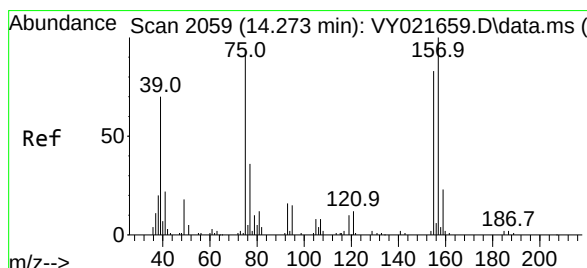
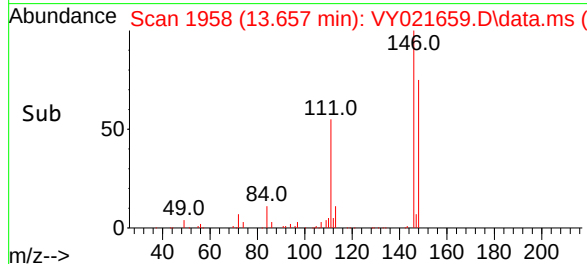
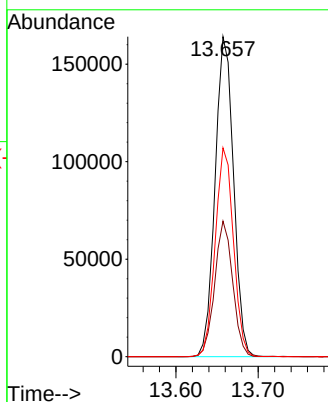
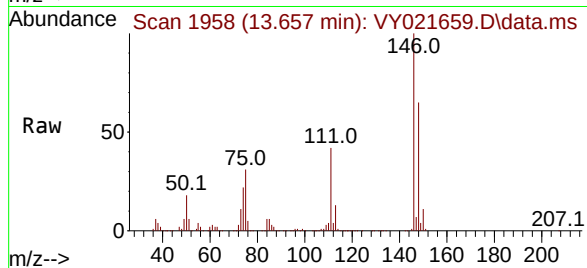
#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

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

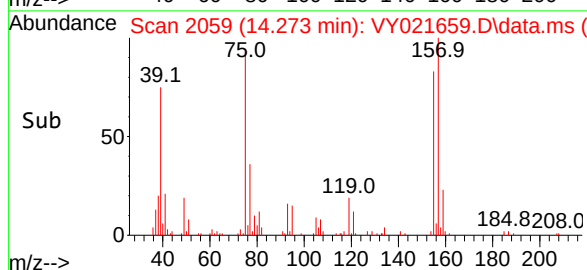
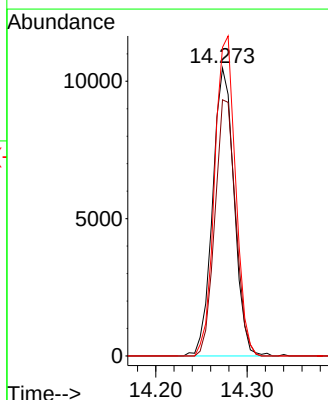
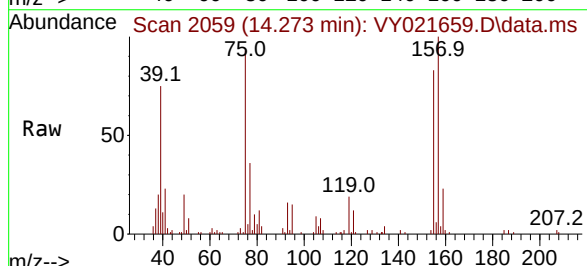
Manual Integrations
APPROVED

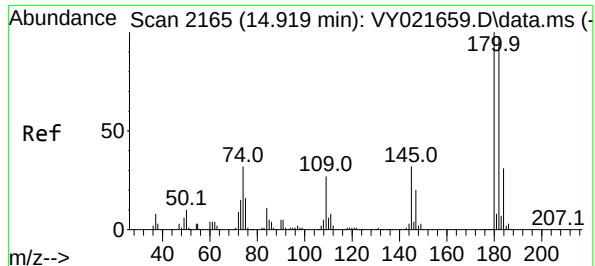
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

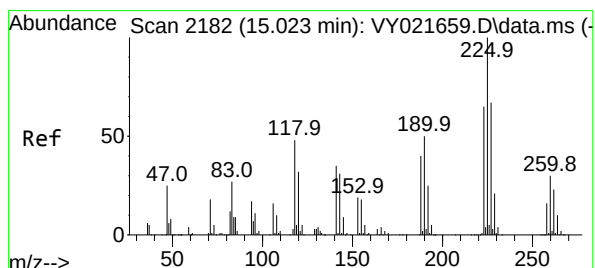
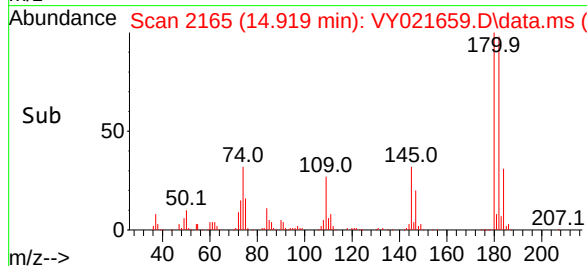
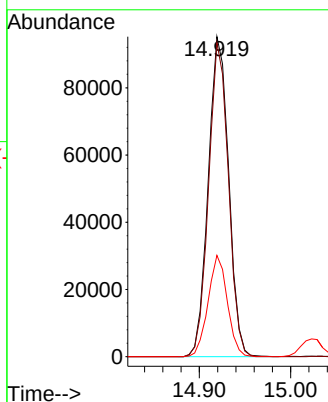
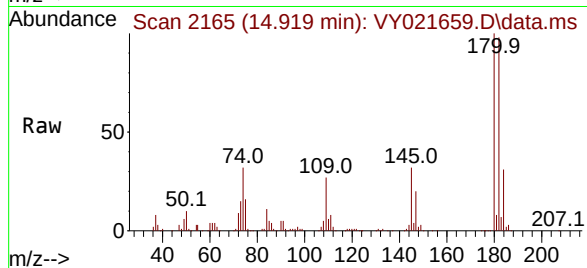
145 29.9 14.9 44.9

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

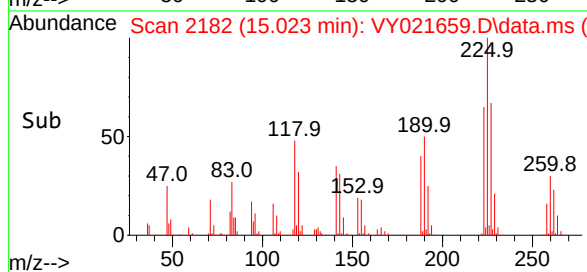
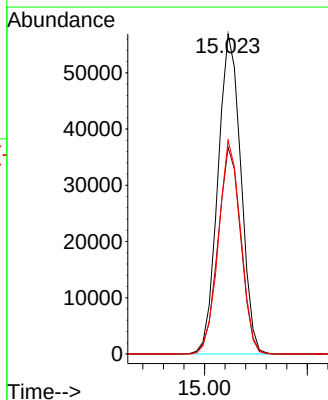
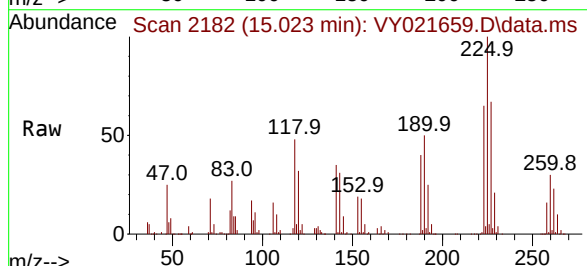
Tgt Ion:225 Resp: 88090

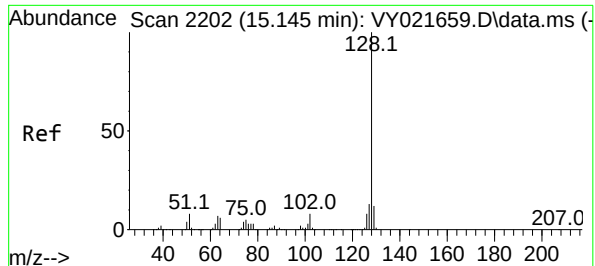
Ion Ratio Lower Upper

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 :

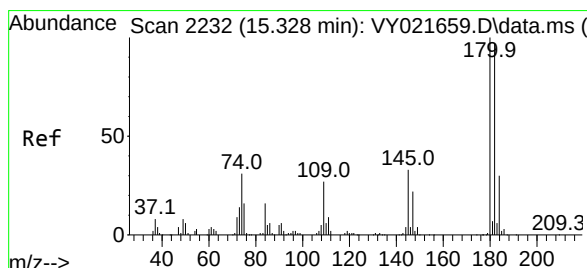
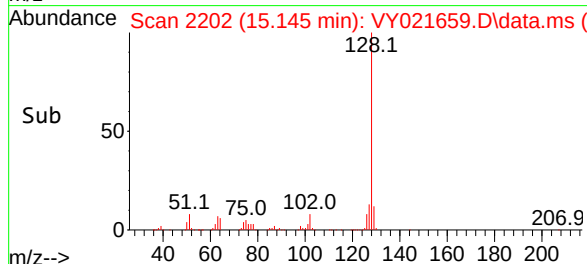
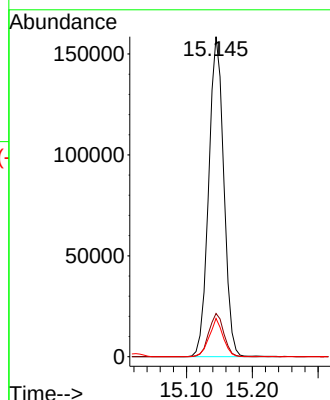
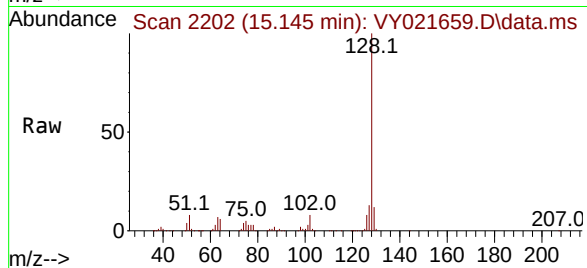
VSTDICCC050

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

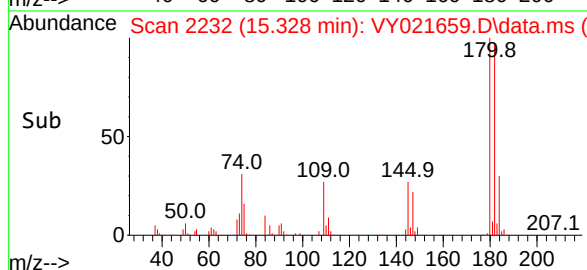
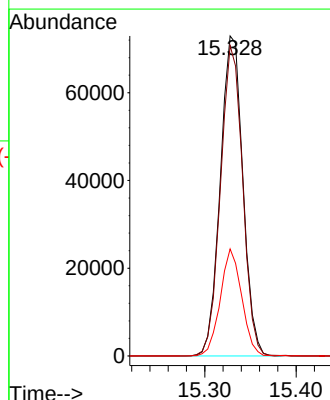
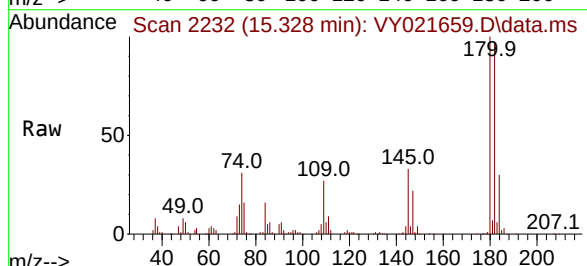
RT: 15.328 min Scan# 2232

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

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)

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)

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

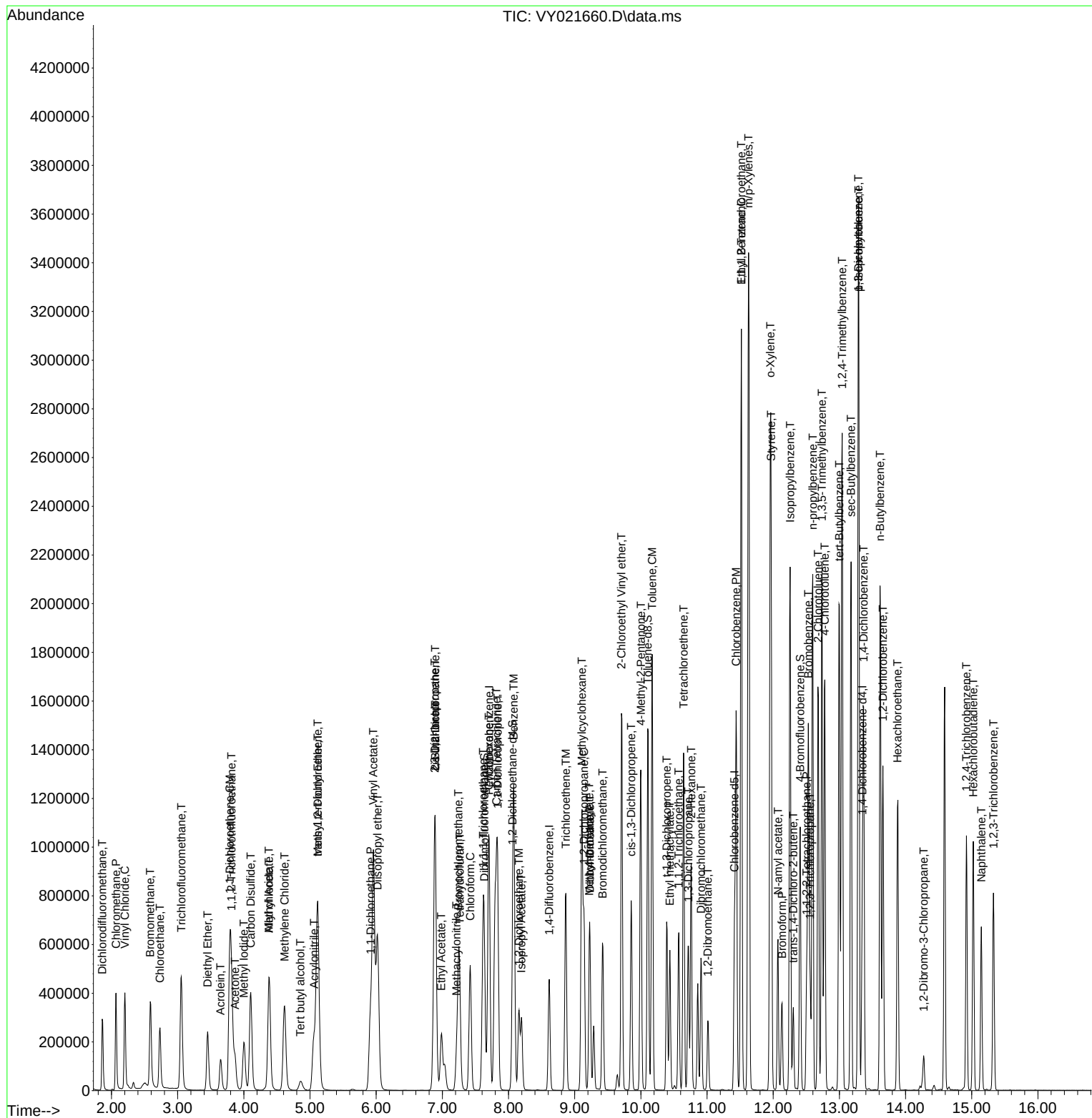
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Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

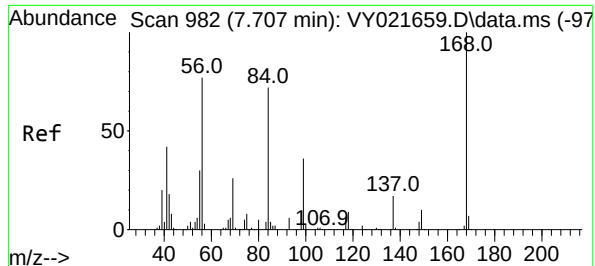
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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





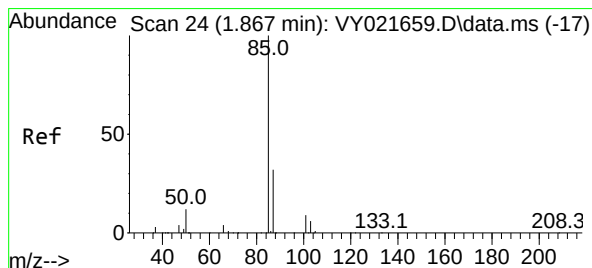
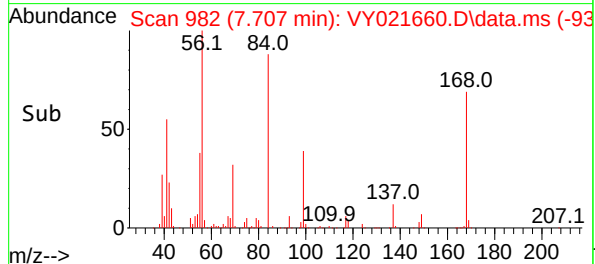
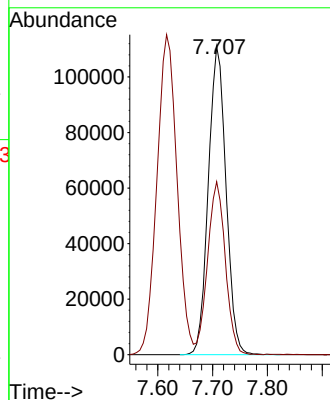
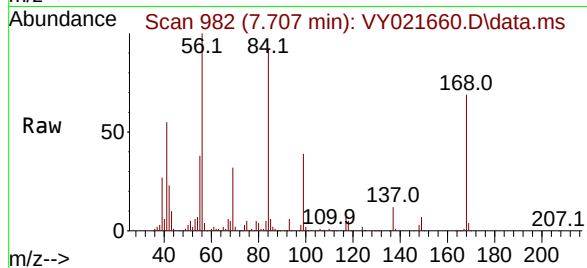
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 24804
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1

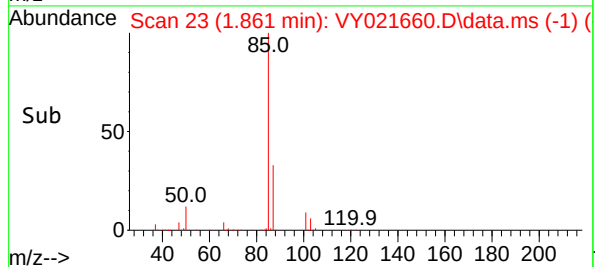
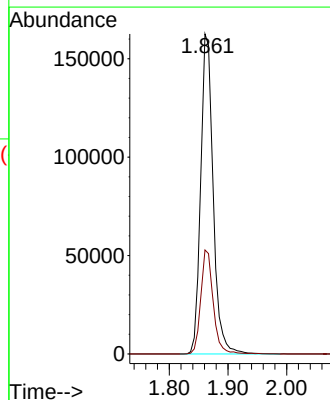
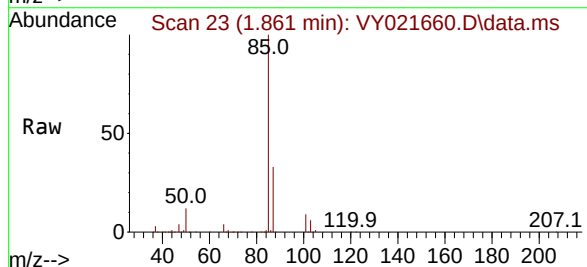
Manual Integrations
APPROVED

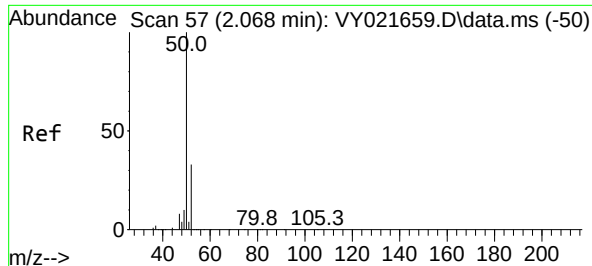
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





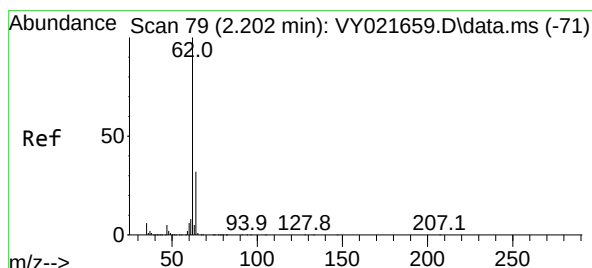
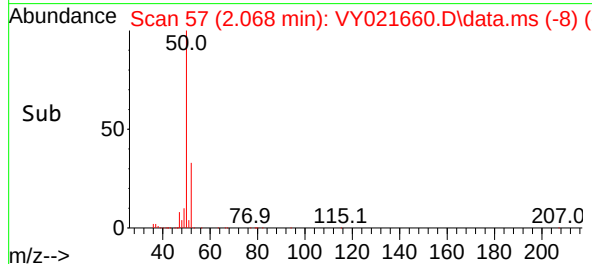
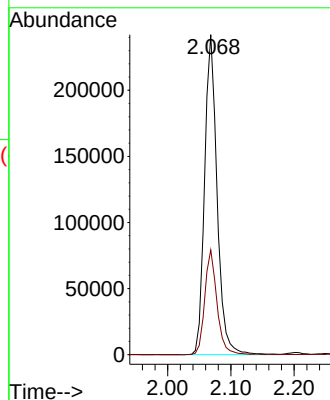
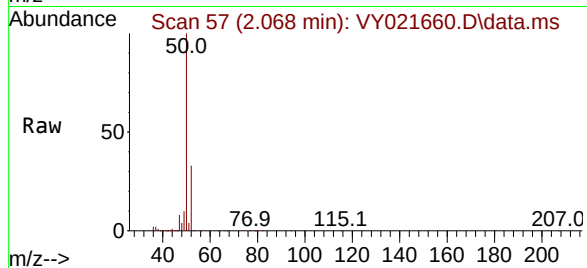
#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 33331
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

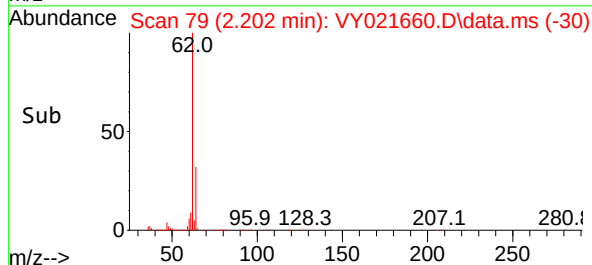
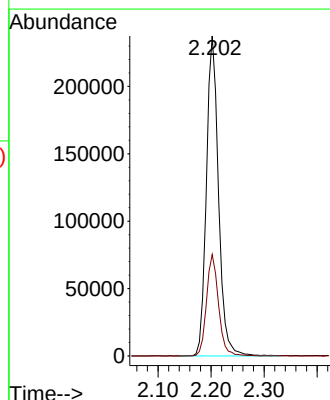
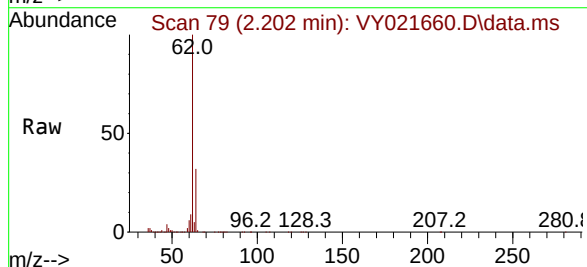
Manual Integrations
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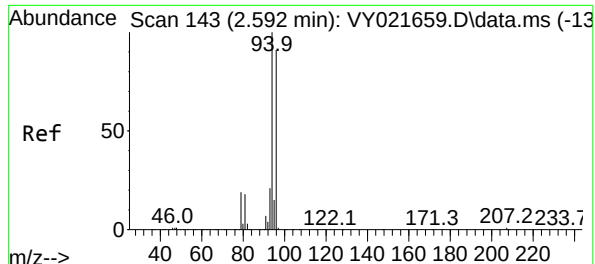
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

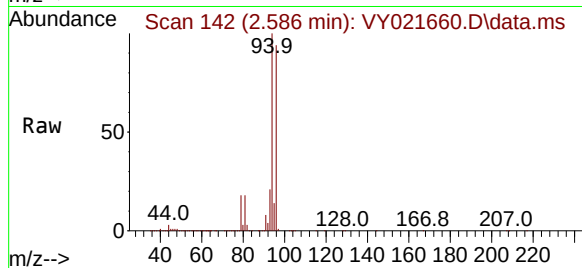
Tgt Ion: 62 Resp: 375853
Ion Ratio Lower Upper
62 100
64 31.7 25.5 38.3





#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

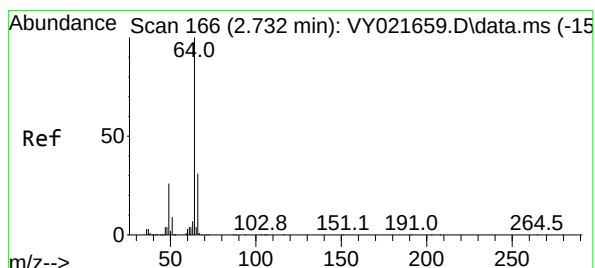
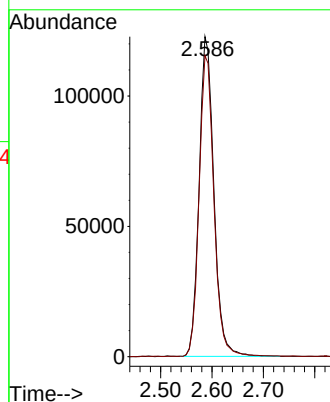
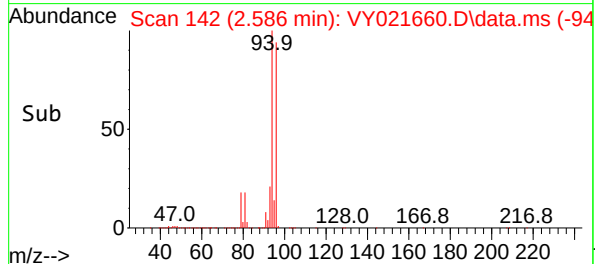
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion: 94 Resp: 24505
Ion Ratio Lower Upper
94 100
96 94.0 72.8 109.2

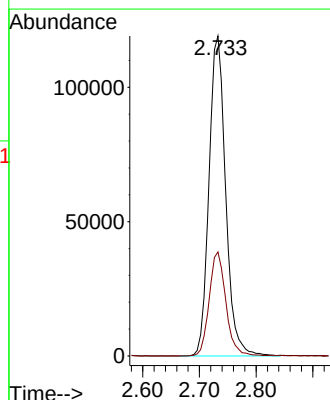
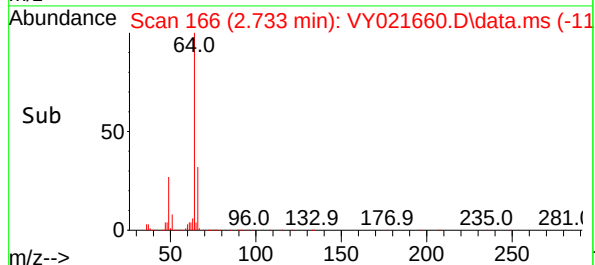
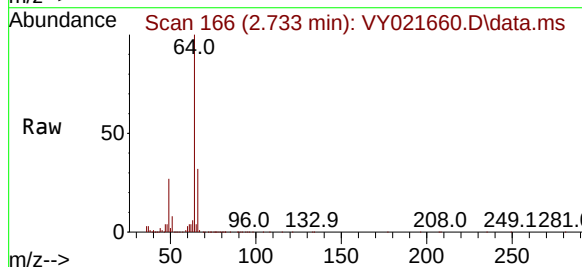
Manual Integrations
APPROVED

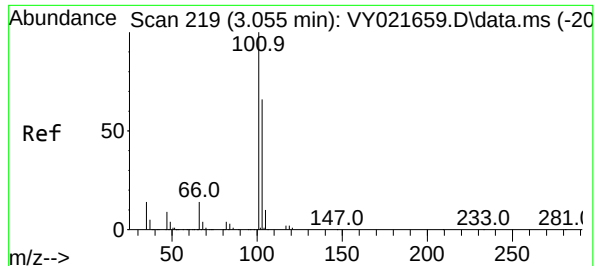
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

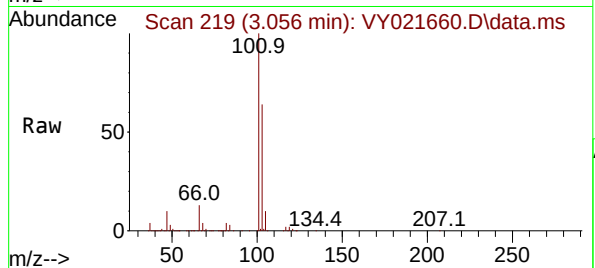
Tgt Ion: 64 Resp: 242934
Ion Ratio Lower Upper
64 100
66 32.5 24.9 37.3





#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

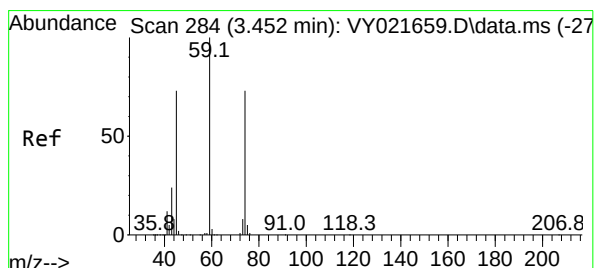
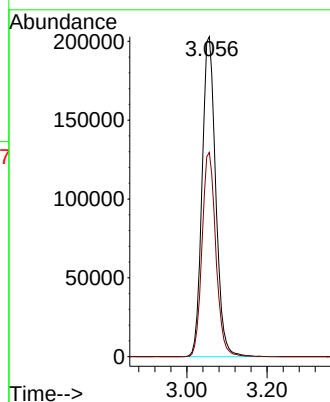
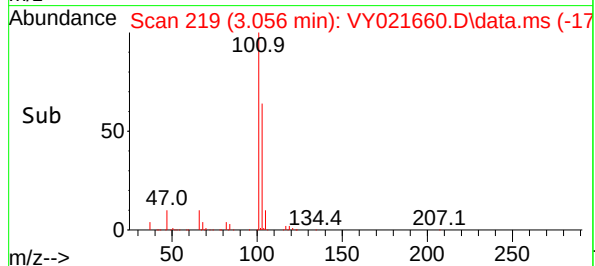
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 479554
Ion Ratio Lower Upper
101 100
103 63.9 53.1 79.7

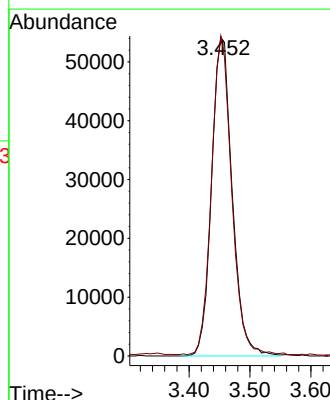
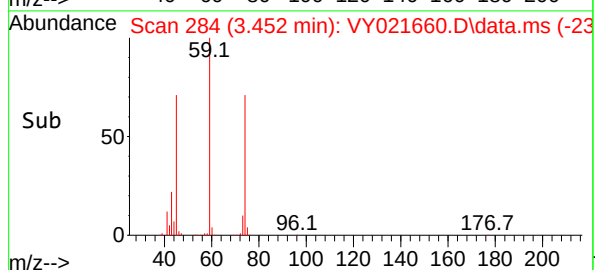
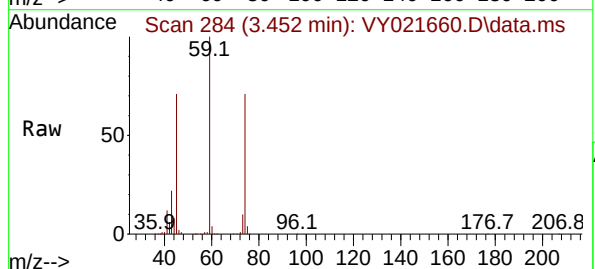
Manual Integrations
APPROVED

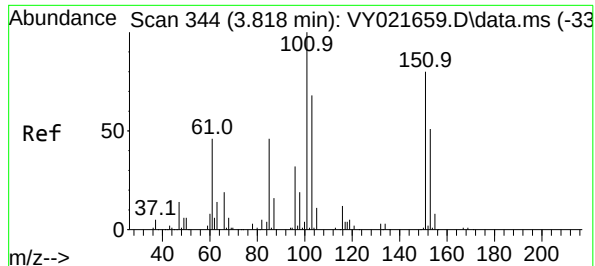
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC100

Tgt Ion:101 Resp: 25287

Ion Ratio Lower Upper

101 100

85 45.6 36.3 54.5

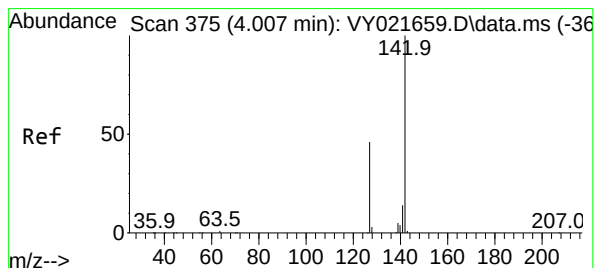
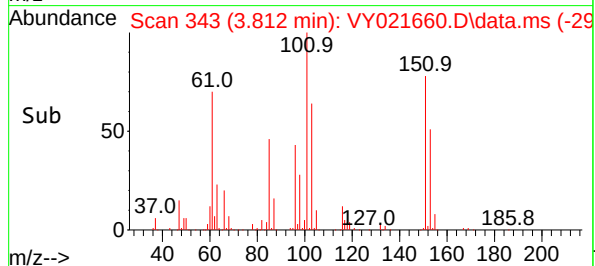
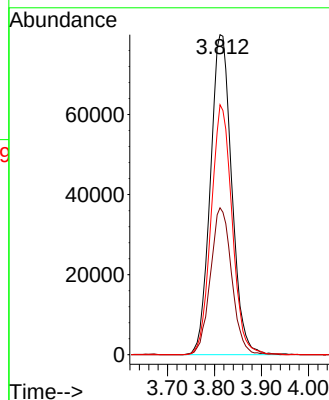
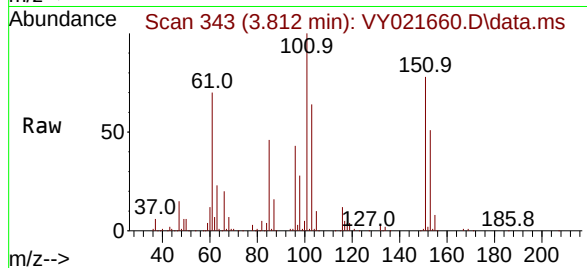
151 76.7 61.3 91.9

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

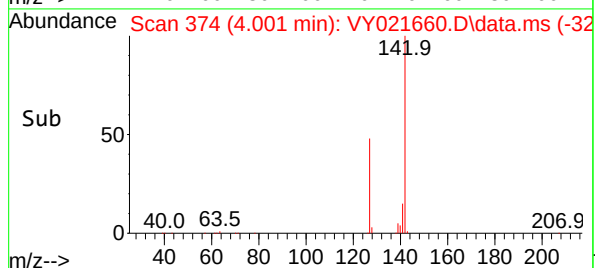
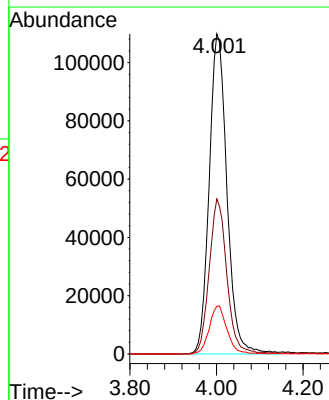
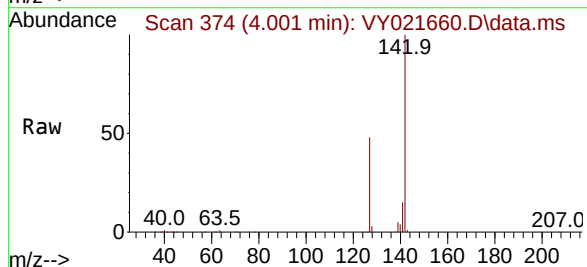
Tgt Ion:142 Resp: 313241

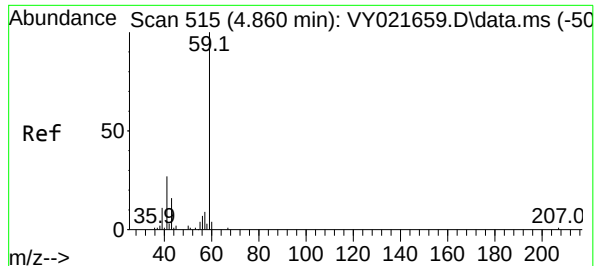
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion: 59 Resp: 72464

Ion Ratio Lower Upper

59 100

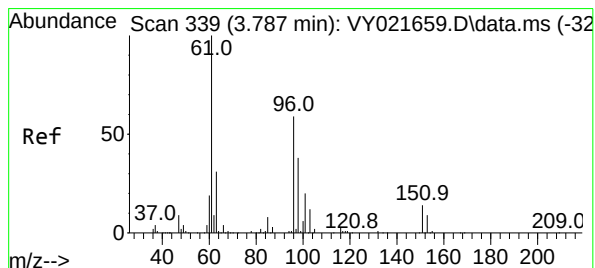
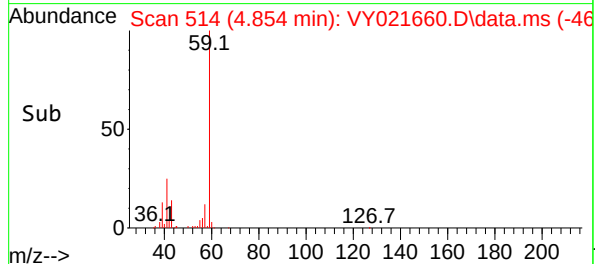
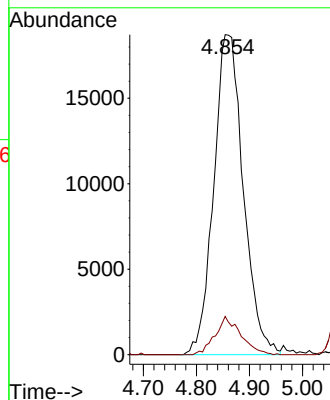
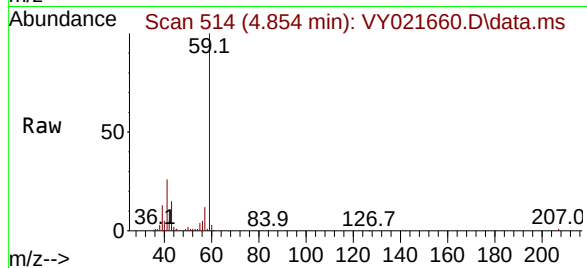
57 10.4 9.2 13.8

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

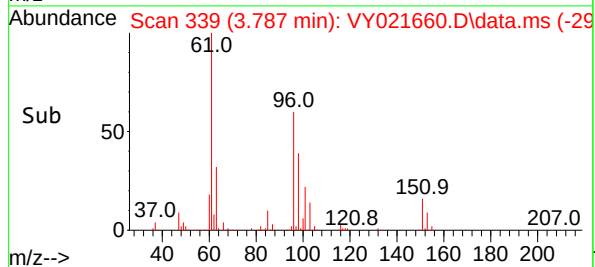
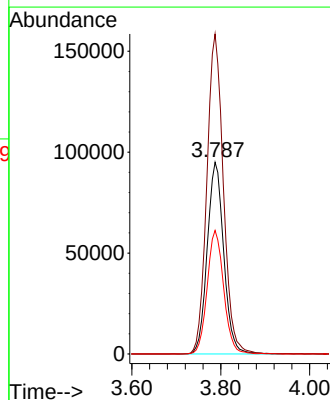
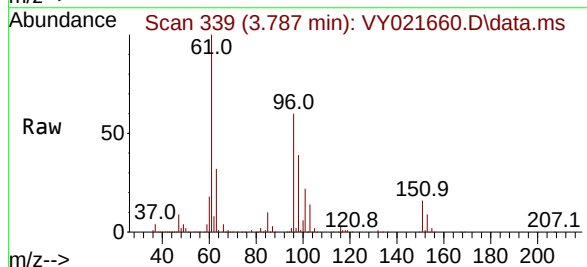
Tgt Ion: 96 Resp: 245873

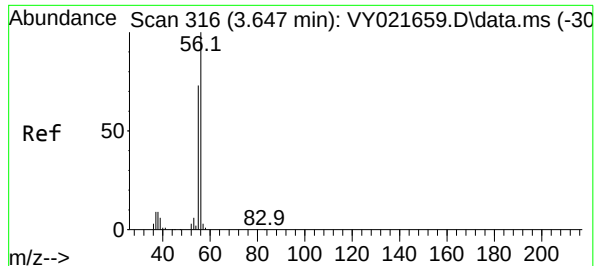
Ion Ratio Lower Upper

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

Tgt Ion: 56 Resp: 14552

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0

Instrument :

MSVOA_Y

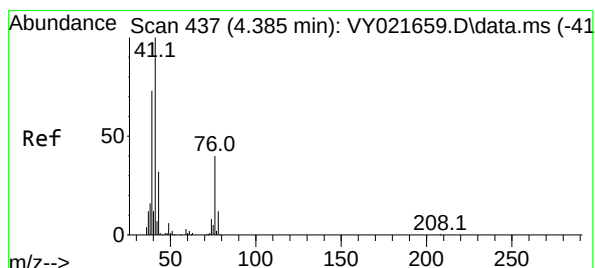
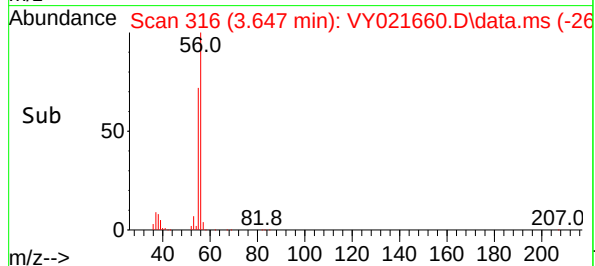
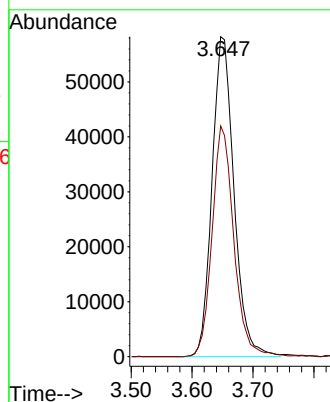
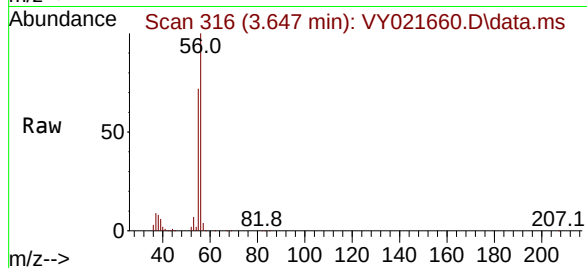
ClientSampleId :

VSTDICC100

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

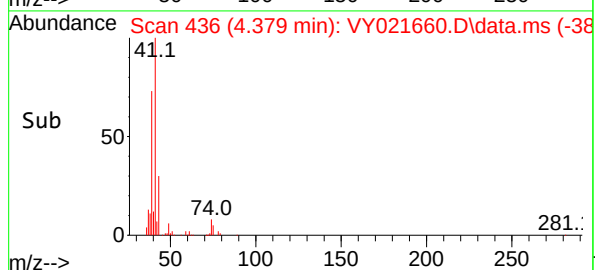
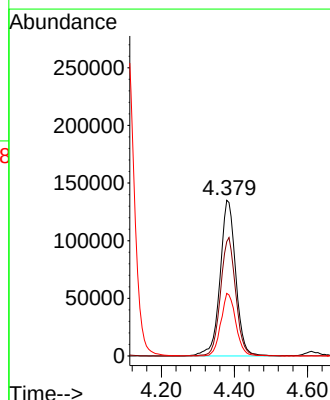
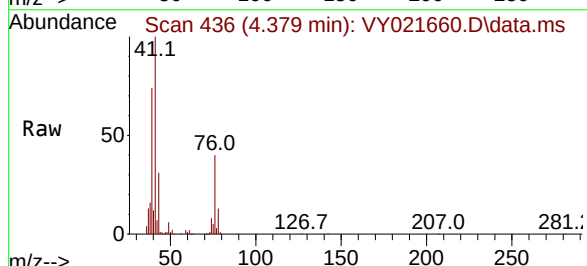
Tgt Ion: 41 Resp: 403587

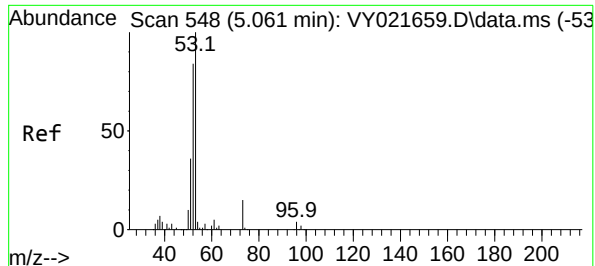
Ion Ratio Lower Upper

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

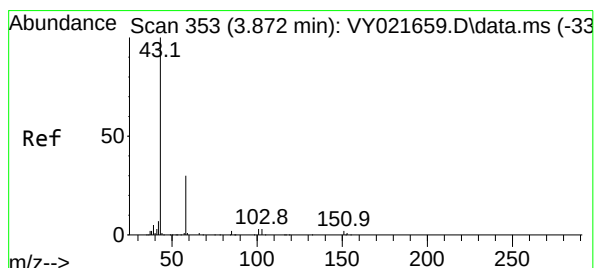
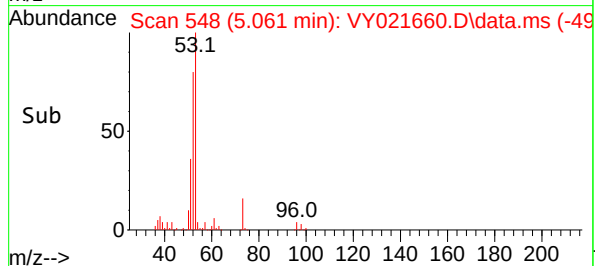
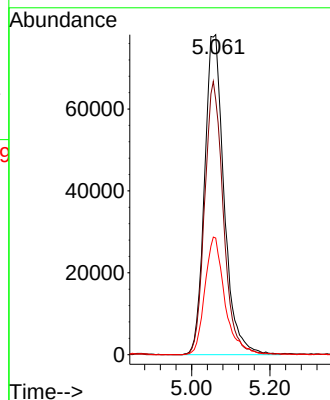
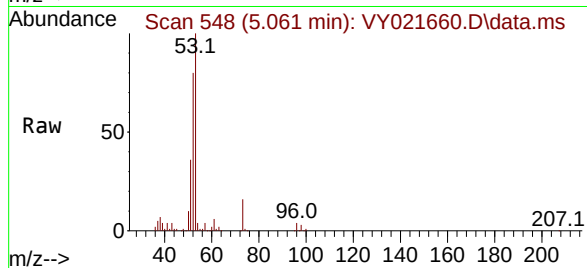
53 100

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

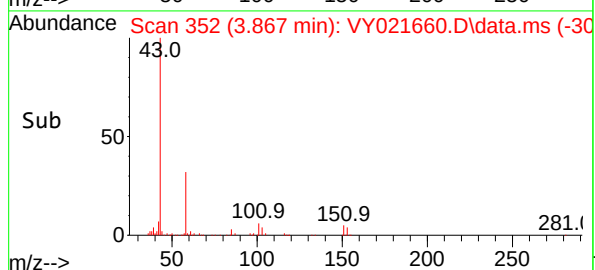
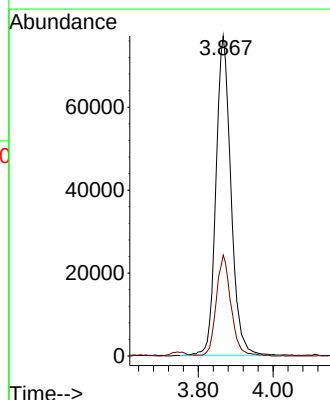
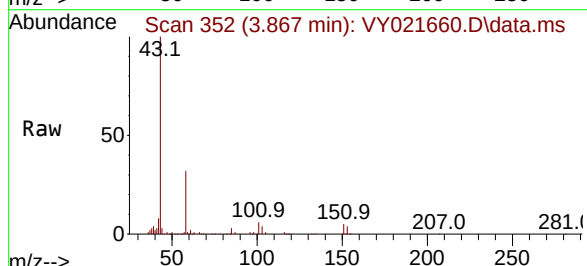
Acq: 27 Mar 2025 11:39

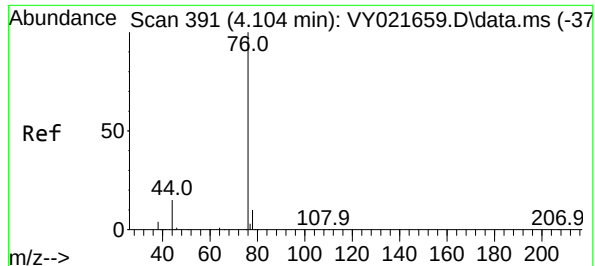
Tgt Ion: 43 Resp: 215263

Ion Ratio Lower Upper

43 100

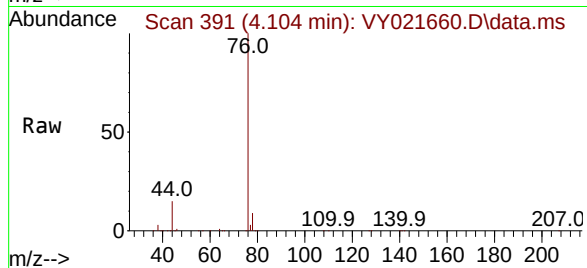
58 31.6 24.2 36.4





#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

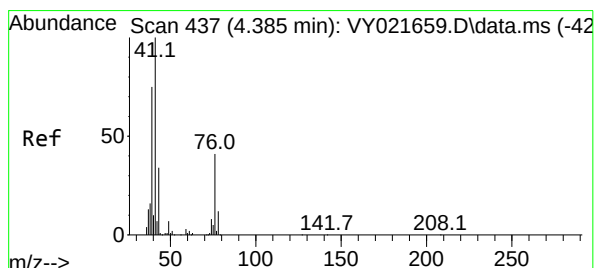
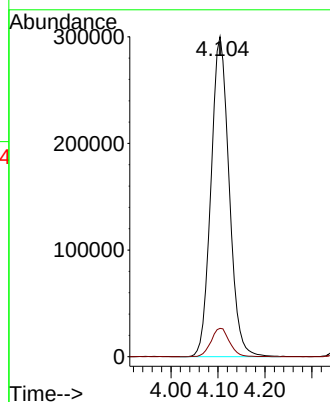
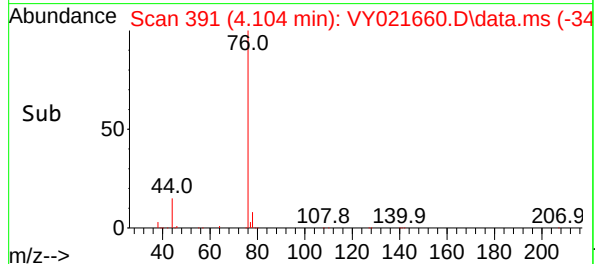
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 805100
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

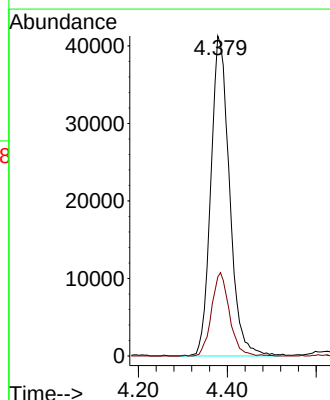
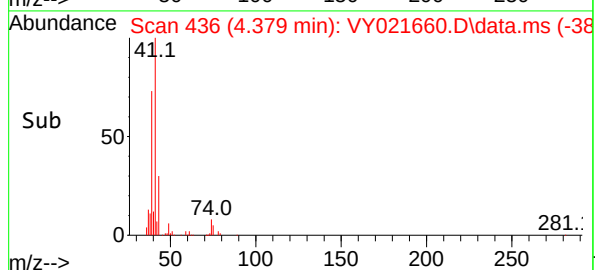
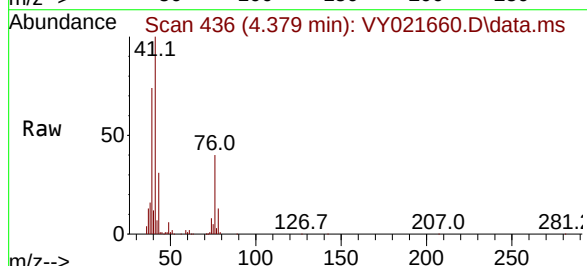
Manual Integrations
APPROVED

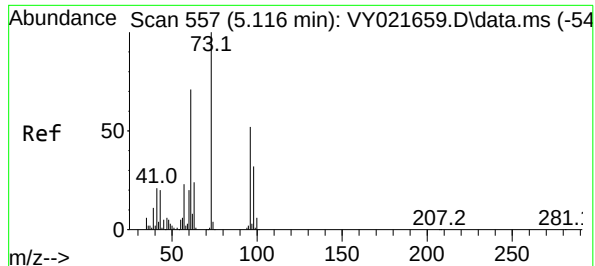
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

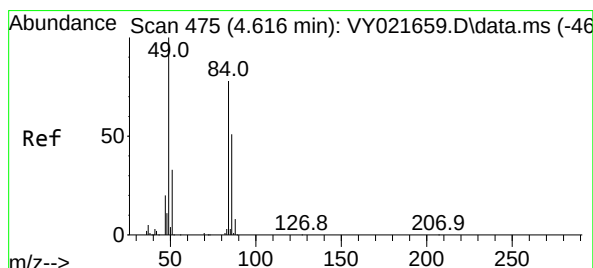
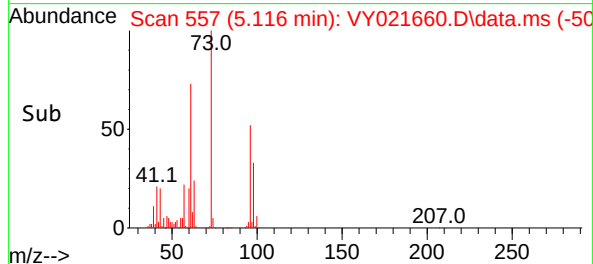
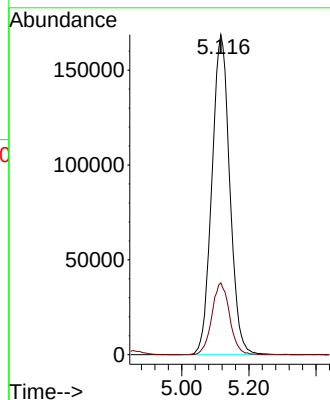
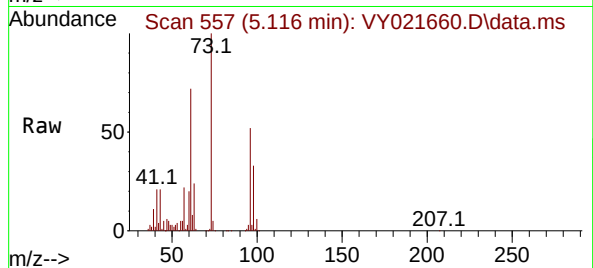
57 22.4 18.1 27.1

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

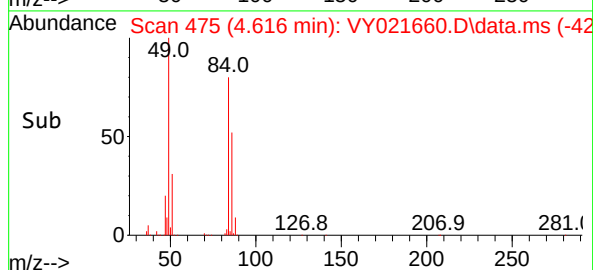
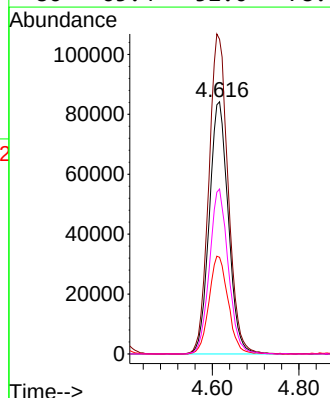
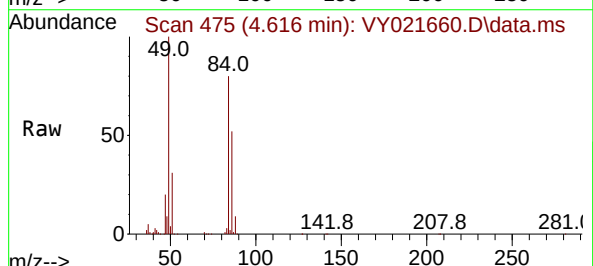
Ion Ratio Lower Upper

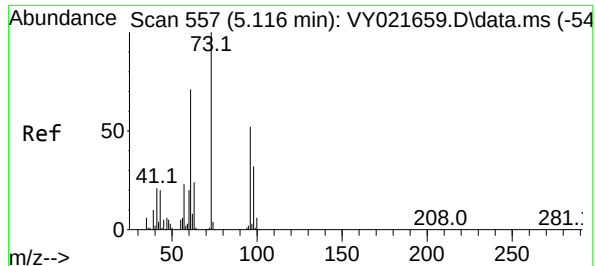
84 100

49 124.8 102.8 154.2

51 38.3 33.5 50.3

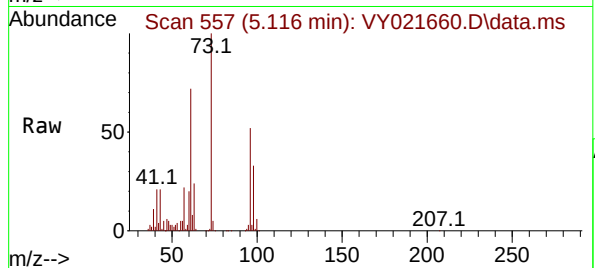
86 65.4 52.0 78.0





#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

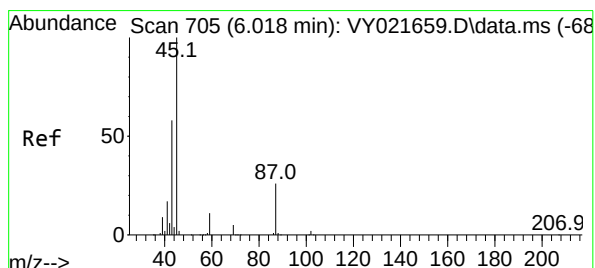
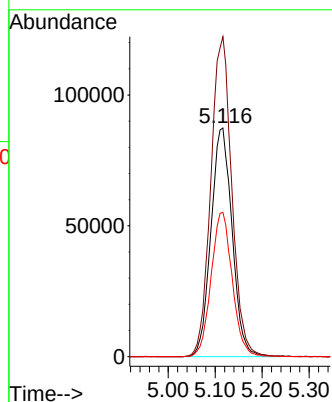
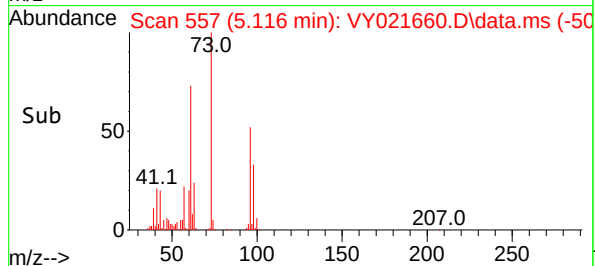
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

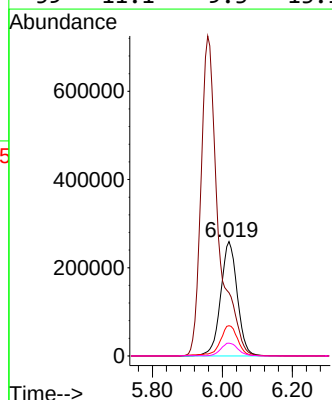
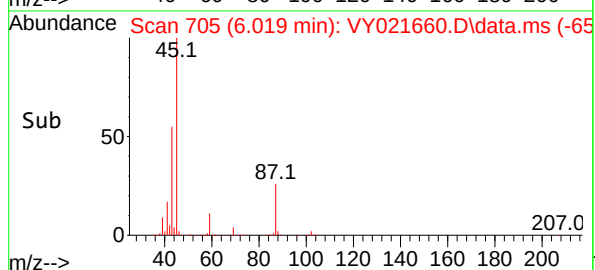
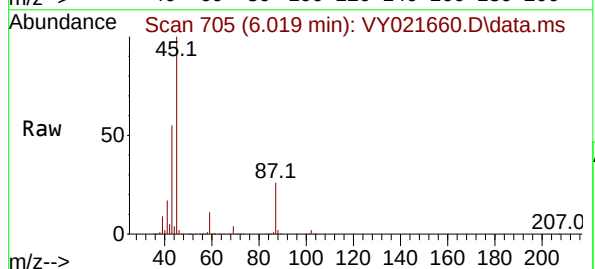
Manual Integrations
APPROVED

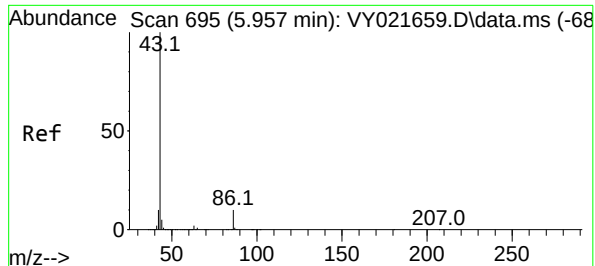
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

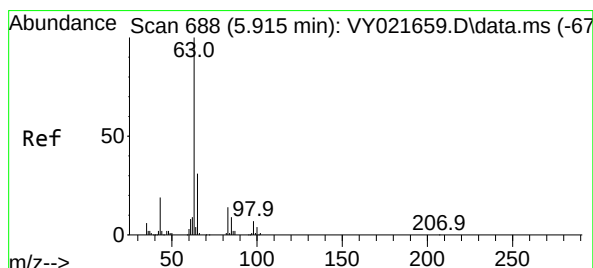
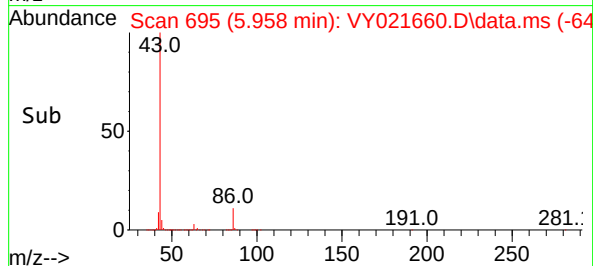
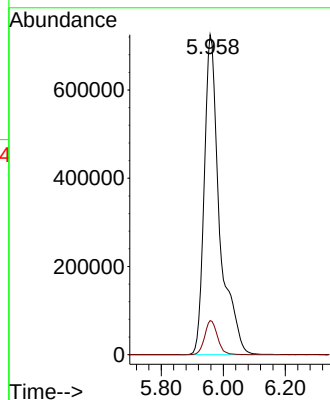
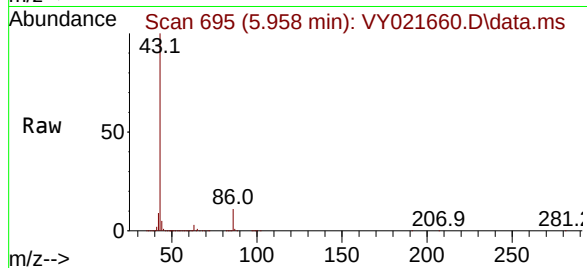
86 10.7 8.2 12.2

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

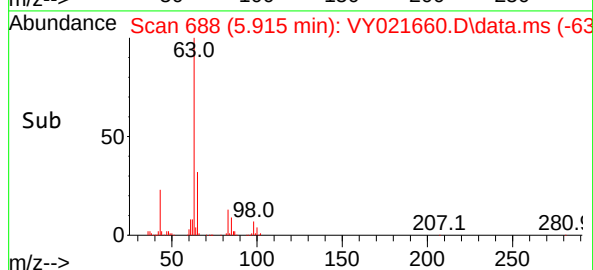
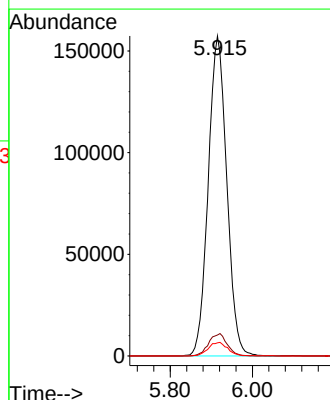
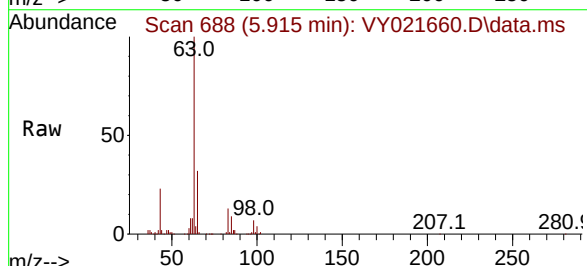
Tgt Ion: 63 Resp: 492205

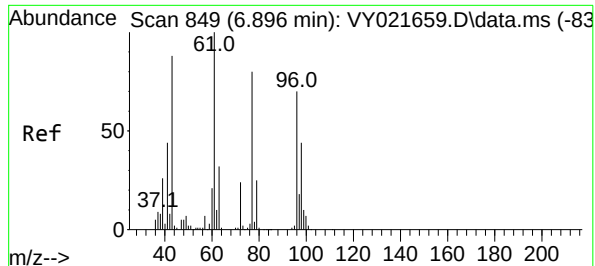
Ion Ratio Lower Upper

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# 849

Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 34801

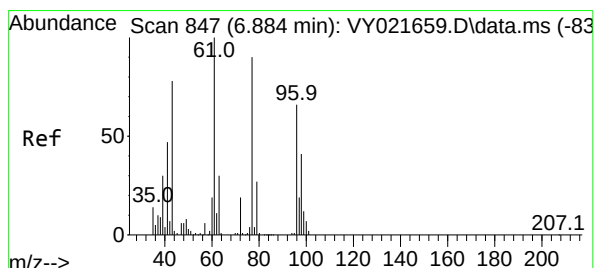
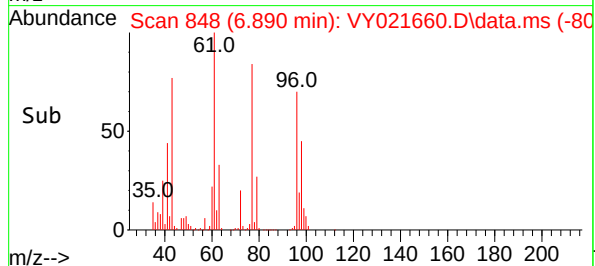
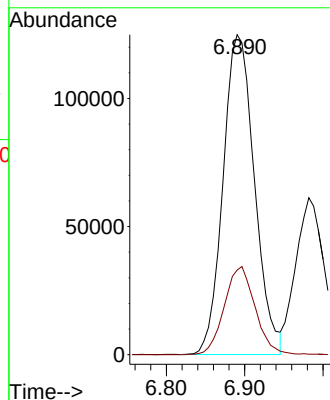
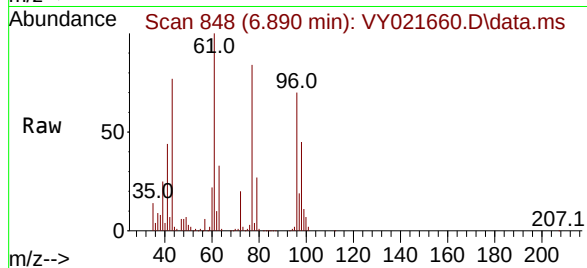
Ion Ratio Lower Upper

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

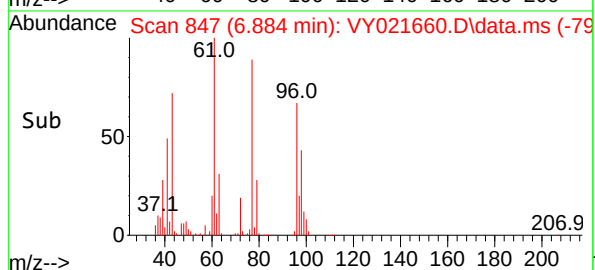
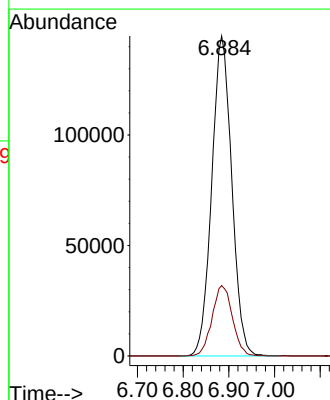
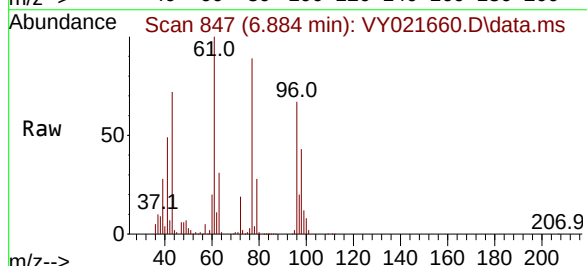
Acq: 27 Mar 2025 11:39

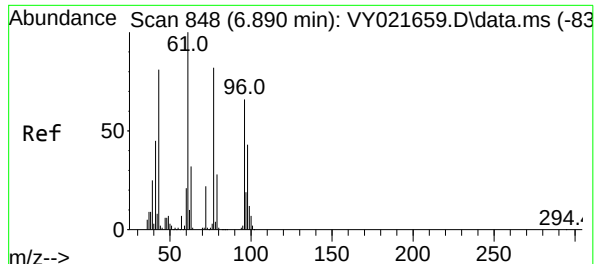
Tgt Ion: 77 Resp: 439519

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 :

VSTDIC100

Tgt Ion: 96 Resp: 312849

Ion Ratio Lower Upper

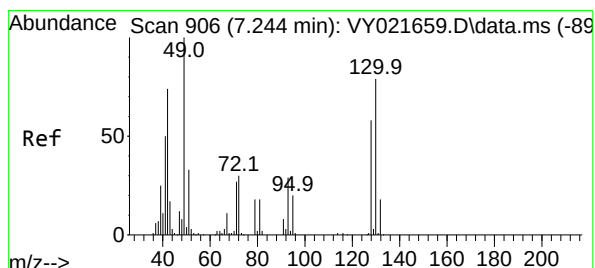
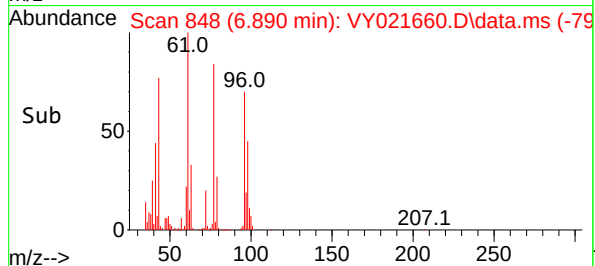
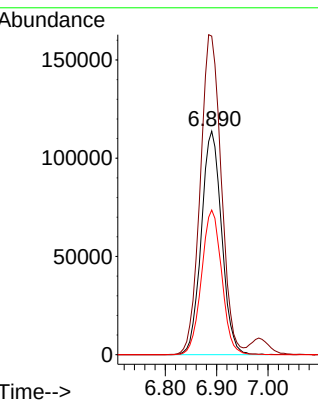
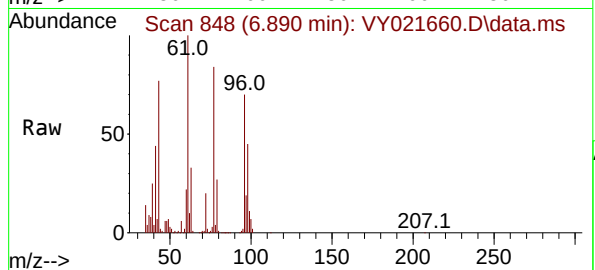
96 100

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

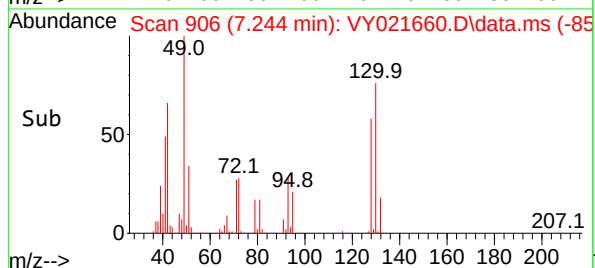
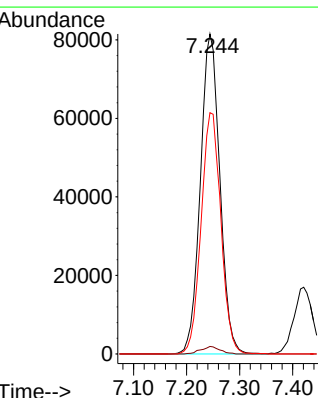
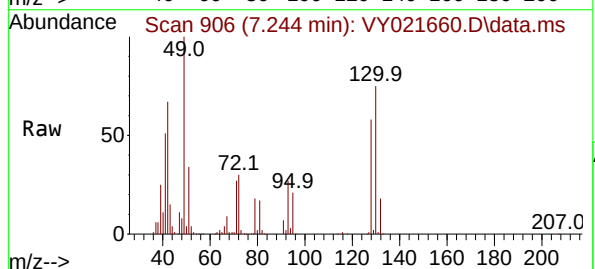
Tgt Ion: 49 Resp: 208162

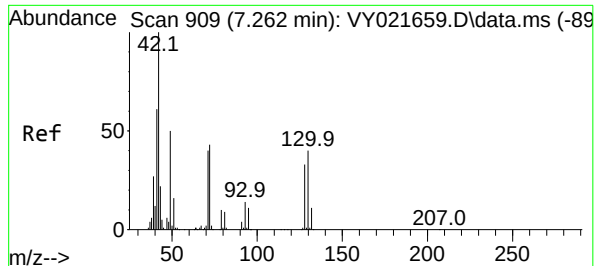
Ion Ratio Lower Upper

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

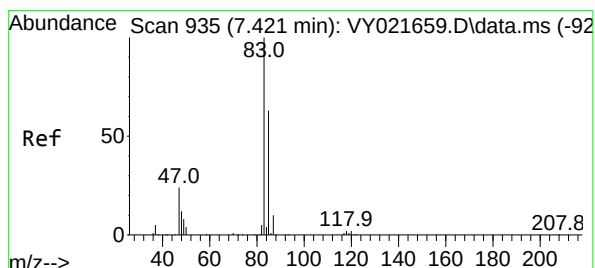
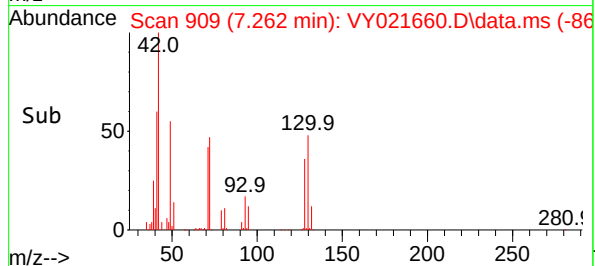
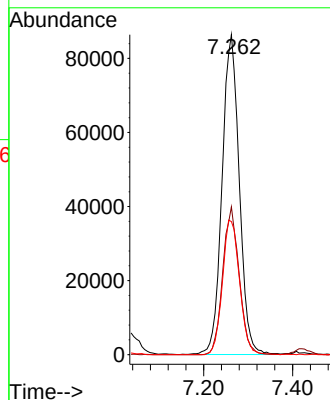
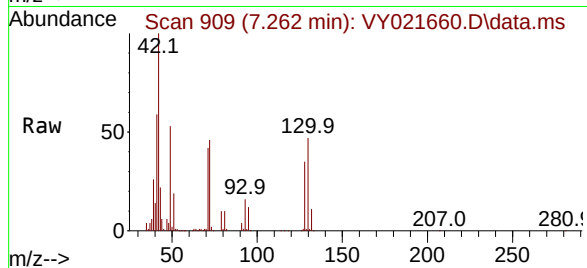
71 42.0 32.5 48.7

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

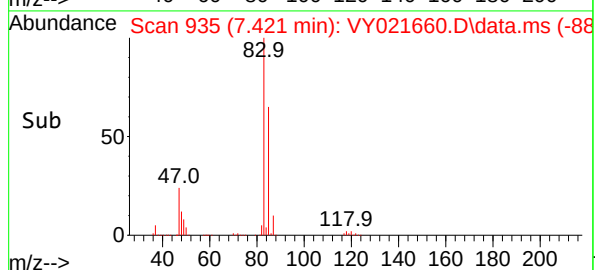
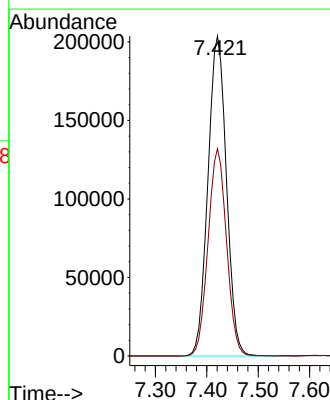
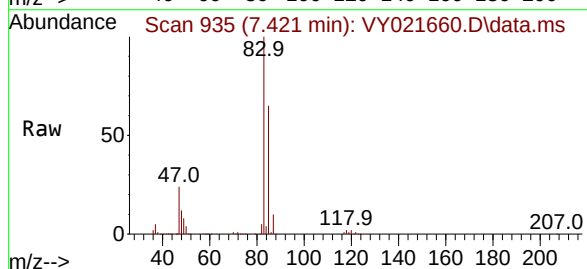
Acq: 27 Mar 2025 11:39

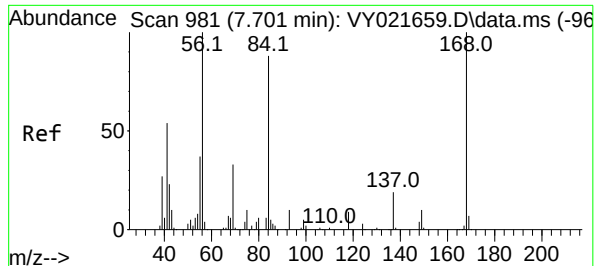
Tgt Ion: 83 Resp: 509194

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

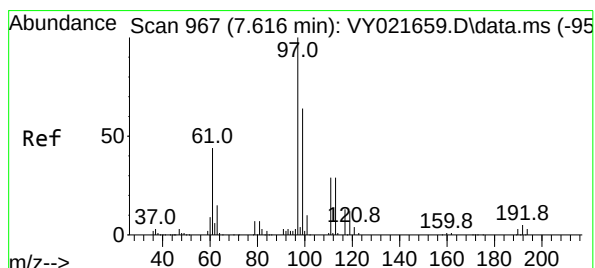
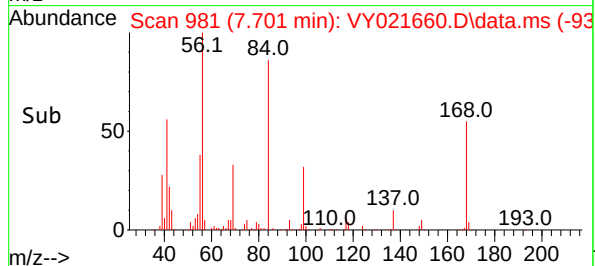
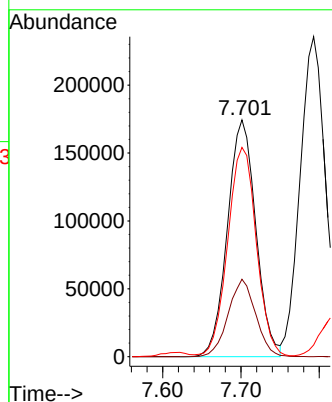
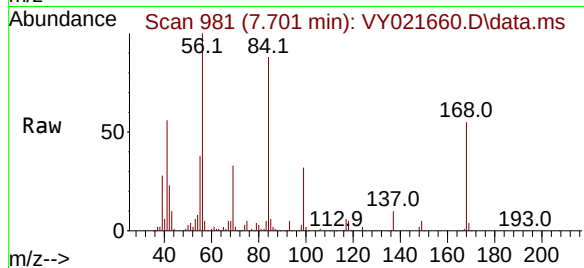
84 86.5 69.0 103.4

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

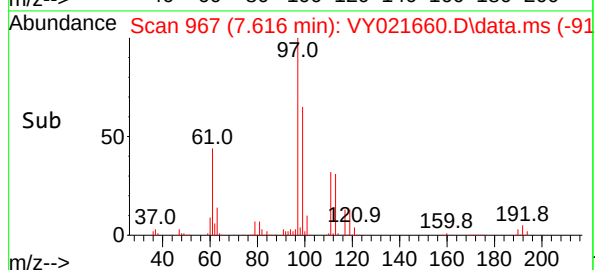
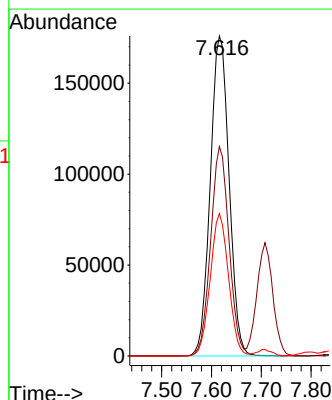
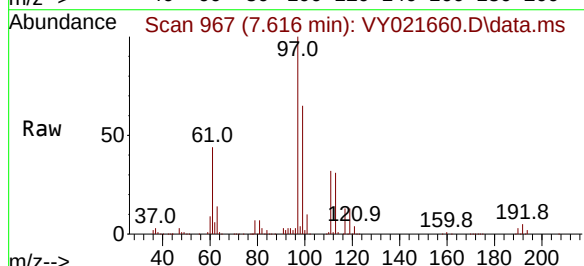
Tgt Ion: 97 Resp: 460680

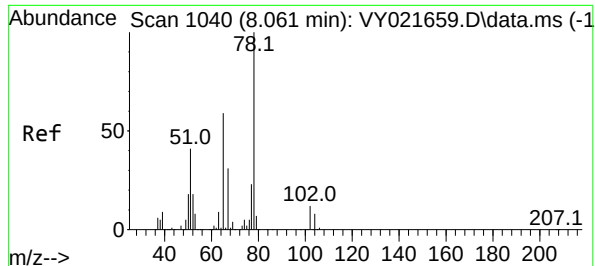
Ion Ratio Lower Upper

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

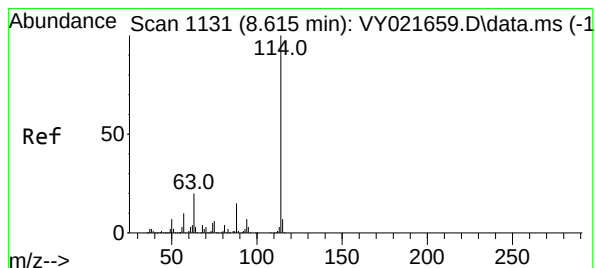
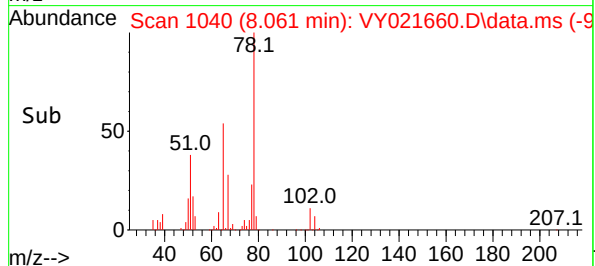
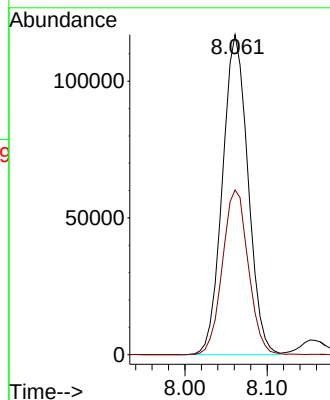
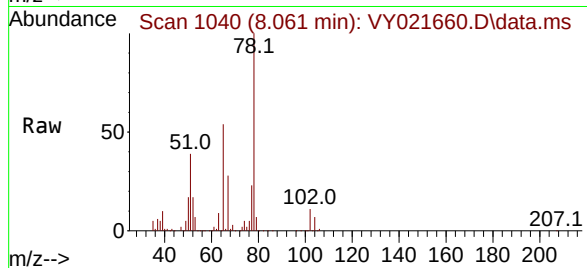
67 52.2 0.0 104.6

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

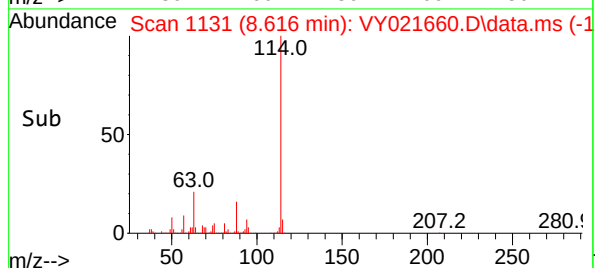
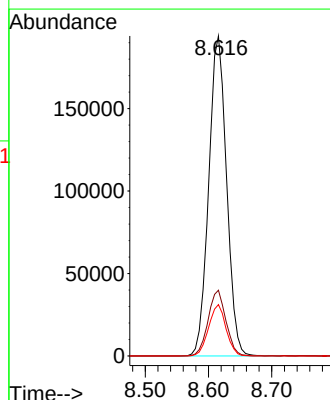
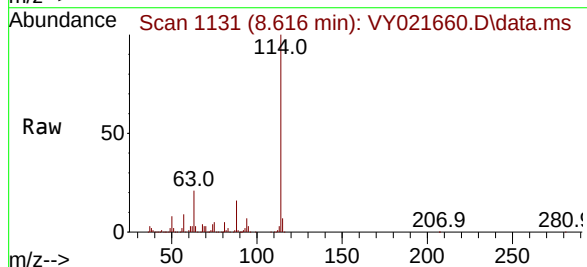
Tgt Ion:114 Resp: 380682

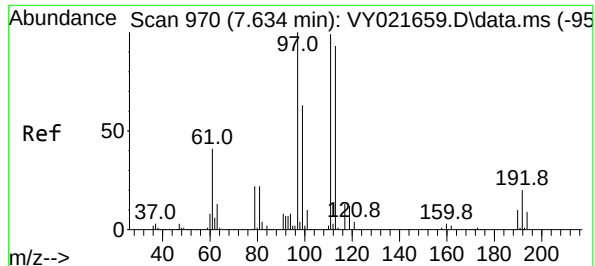
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion:113 Resp: 247380

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

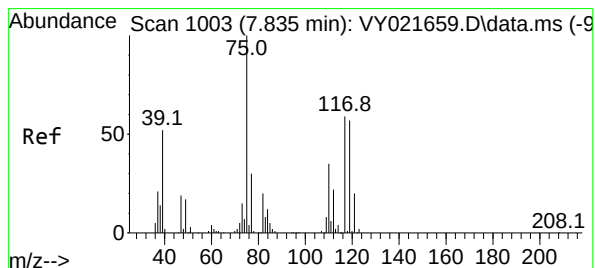
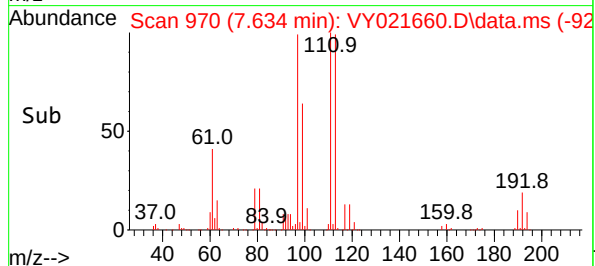
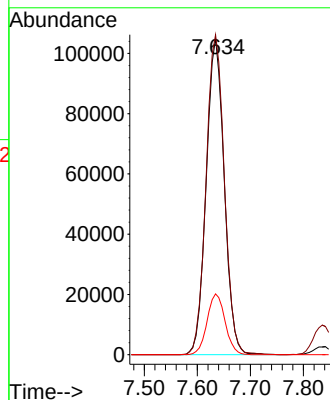
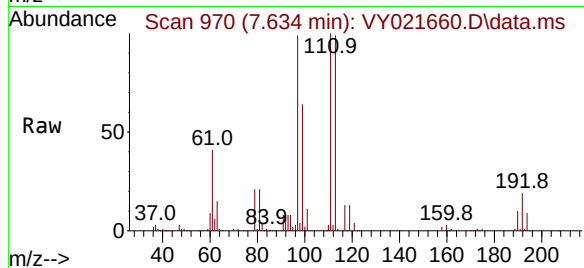
192 19.2 16.2 24.4

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

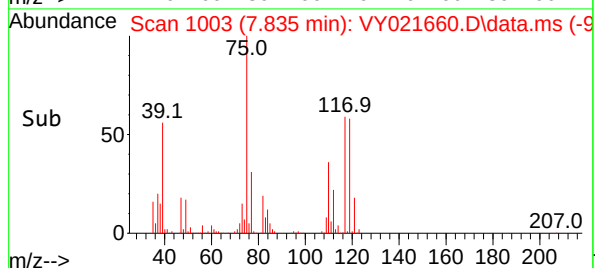
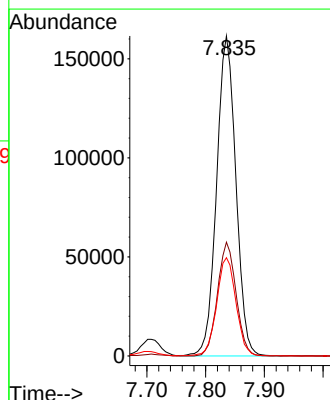
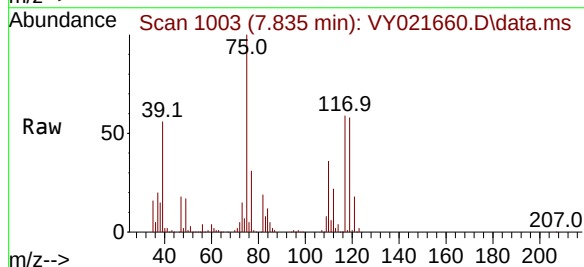
Tgt Ion: 75 Resp: 368741

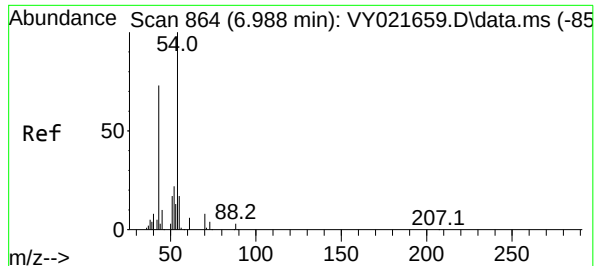
Ion Ratio Lower Upper

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

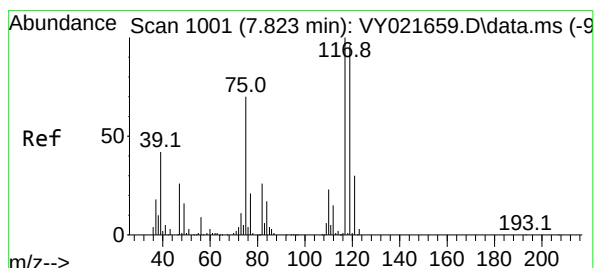
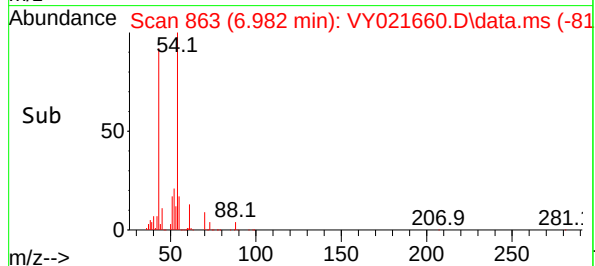
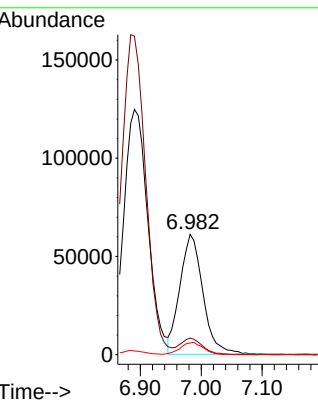
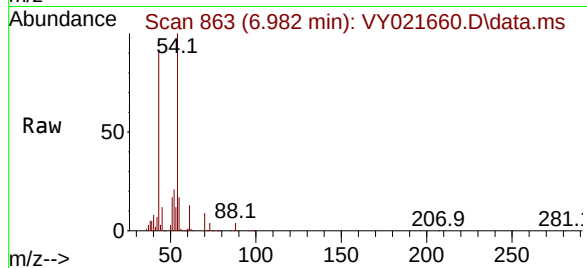
70 10.2 8.1 12.1

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

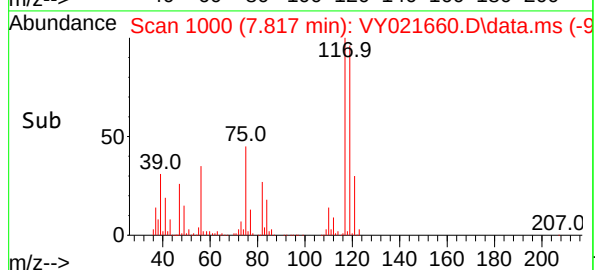
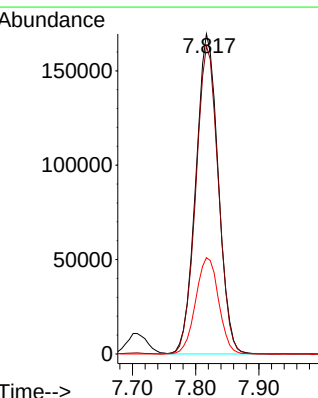
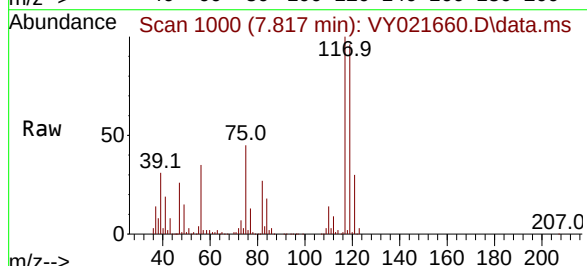
Tgt Ion:117 Resp: 416779

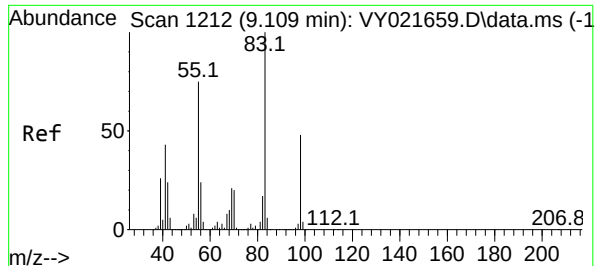
Ion Ratio Lower Upper

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

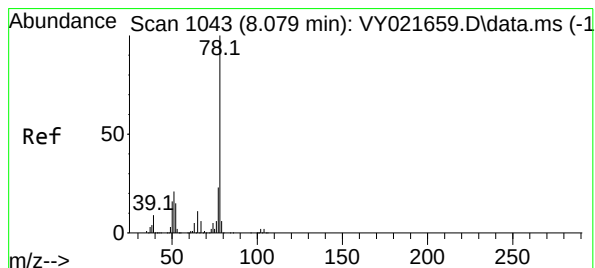
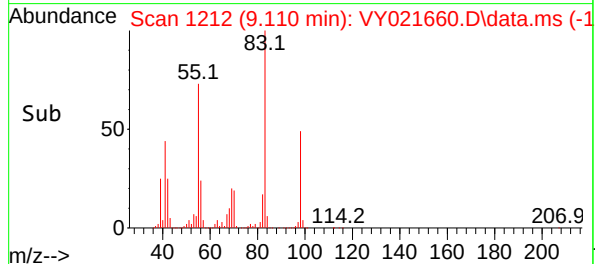
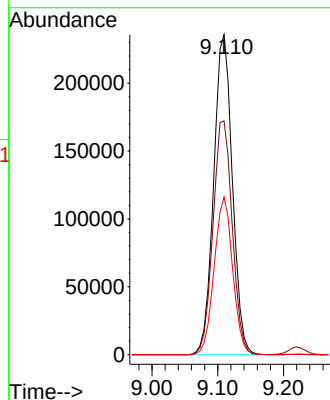
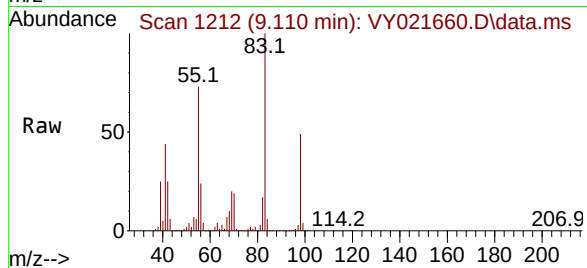
83 100

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

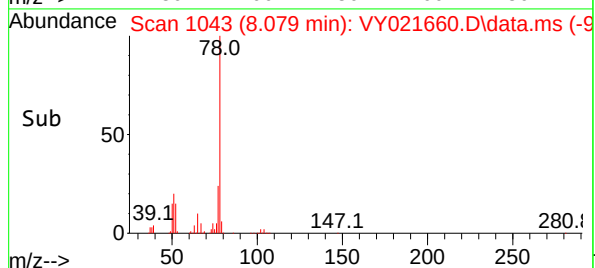
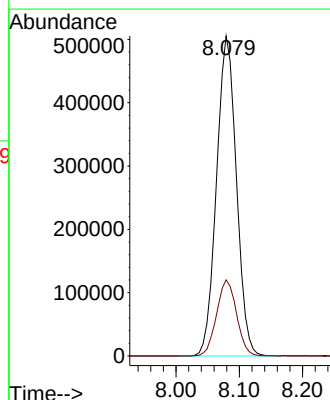
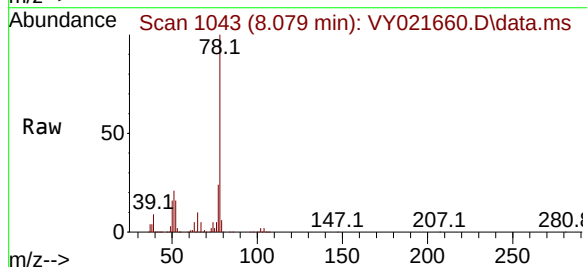
Acq: 27 Mar 2025 11:39

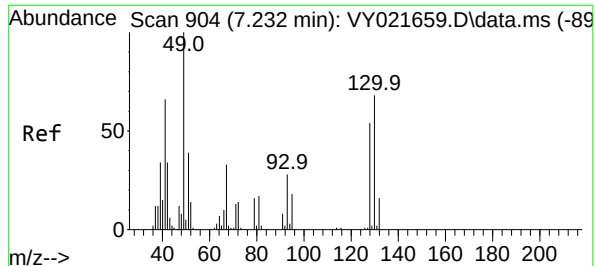
Tgt Ion: 78 Resp: 1100425

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2





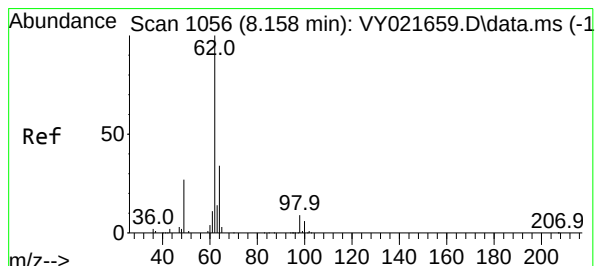
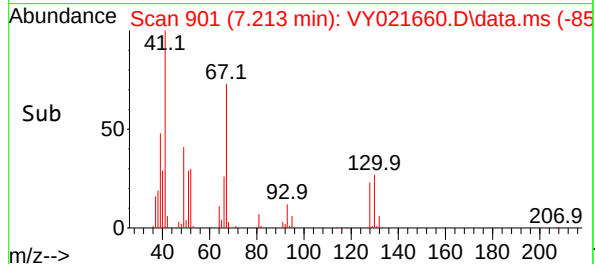
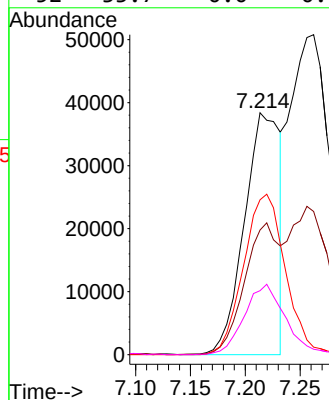
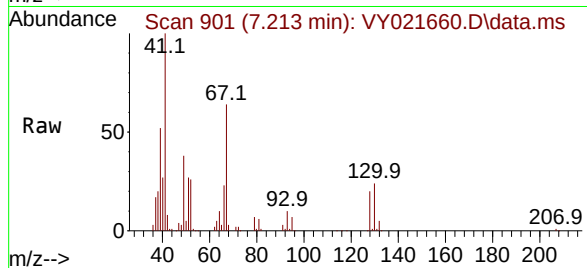
#41
Methacrylonitrile
Concen: 92.176 ug/l
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

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

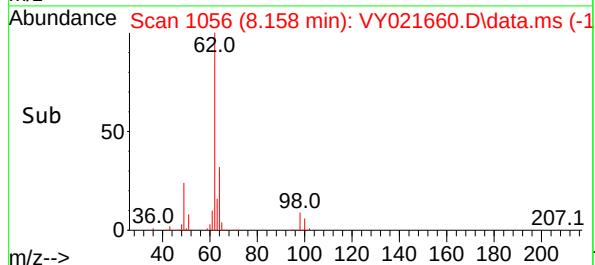
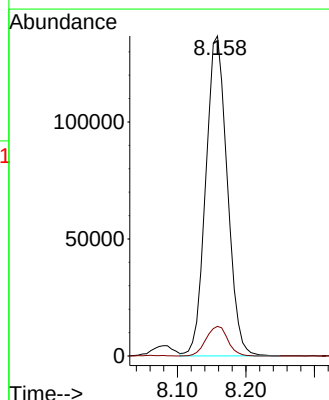
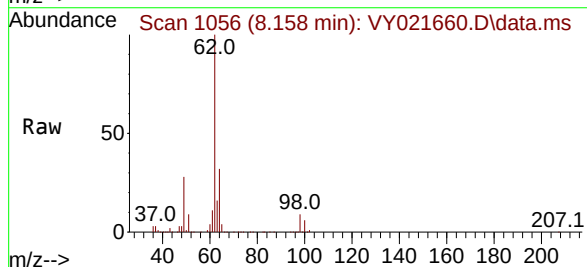
Manual Integrations
APPROVED

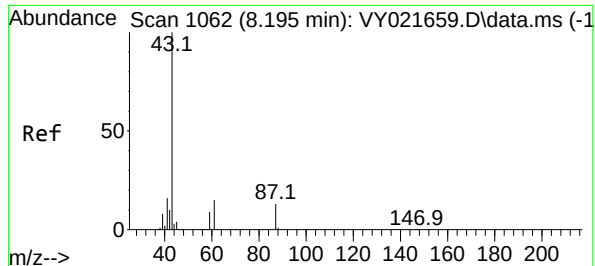
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC100

Tgt Ion: 43 Resp: 32009

Ion Ratio Lower Upper

43 100

61 20.0 15.9 23.9

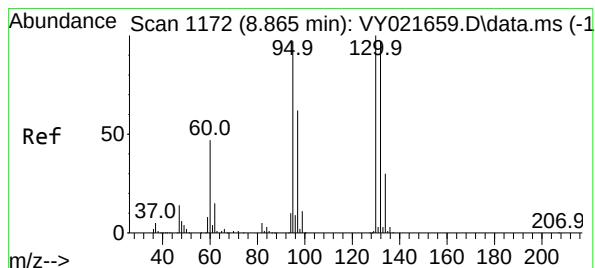
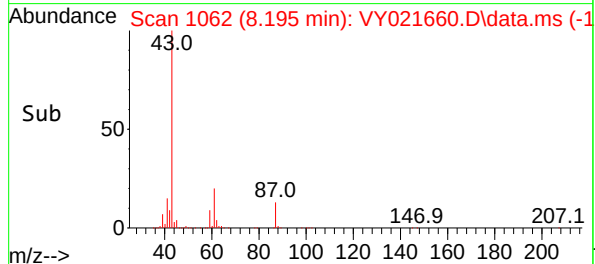
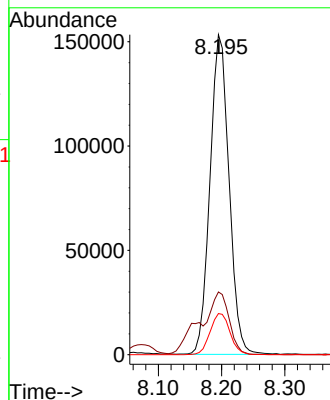
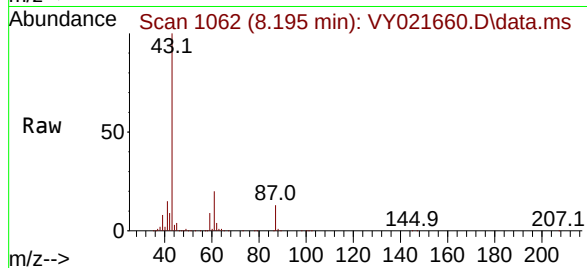
87 13.4 10.4 15.6

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

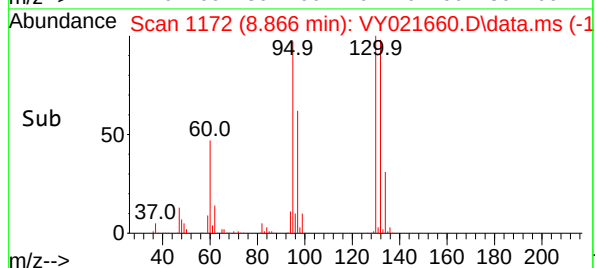
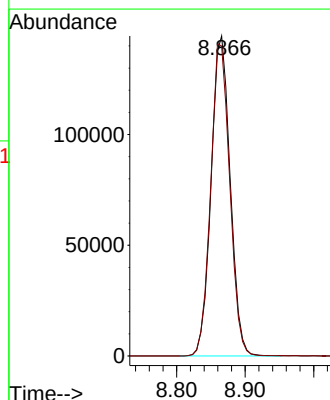
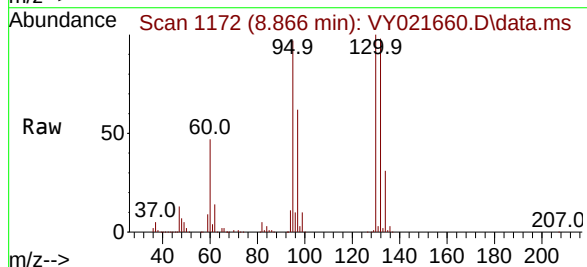
Acq: 27 Mar 2025 11:39

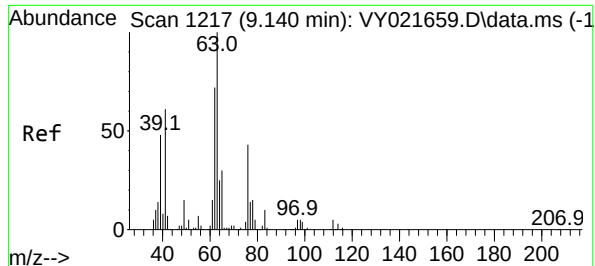
Tgt Ion:130 Resp: 278937

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

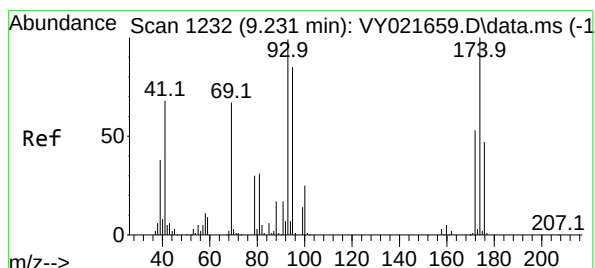
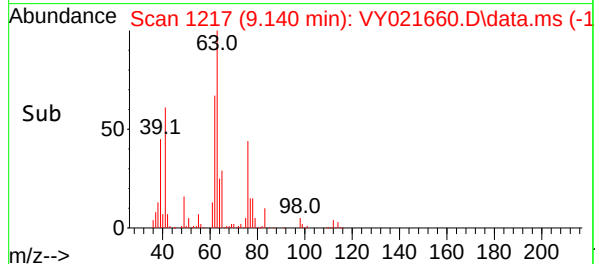
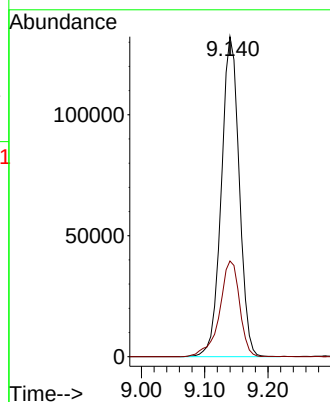
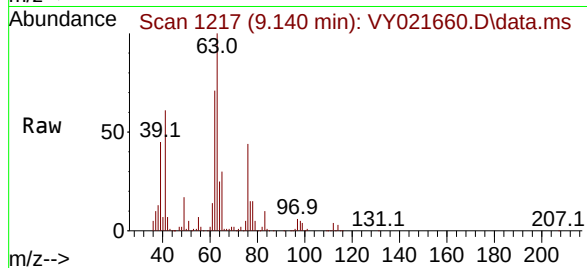
65 29.9 24.4 36.6

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

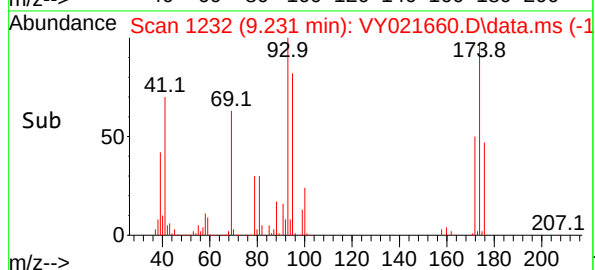
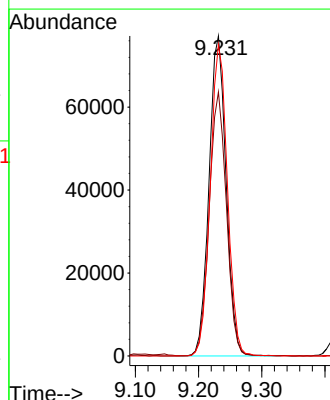
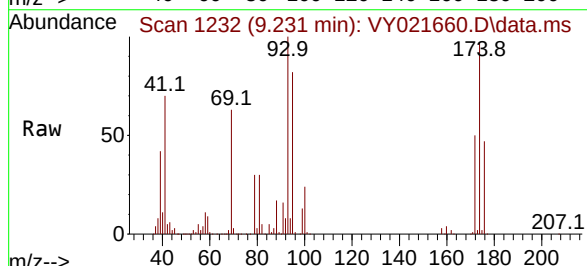
Tgt Ion: 93 Resp: 145186

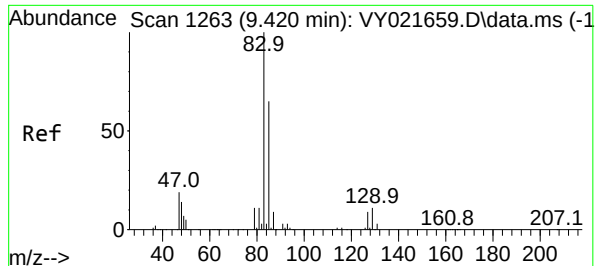
Ion Ratio Lower Upper

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

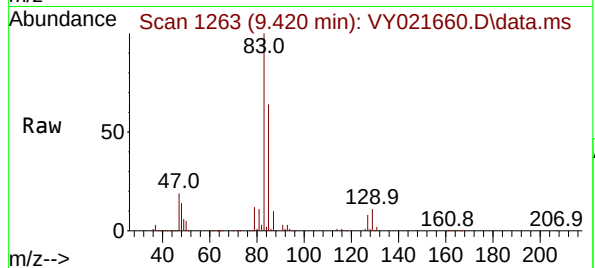
Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

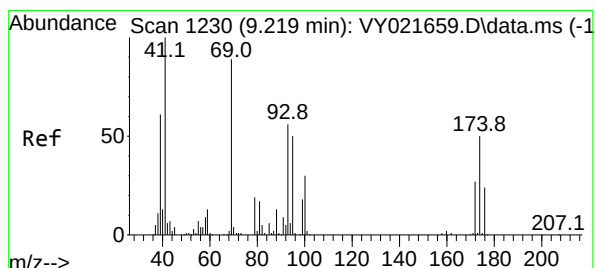
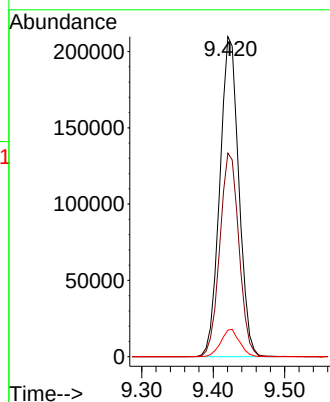
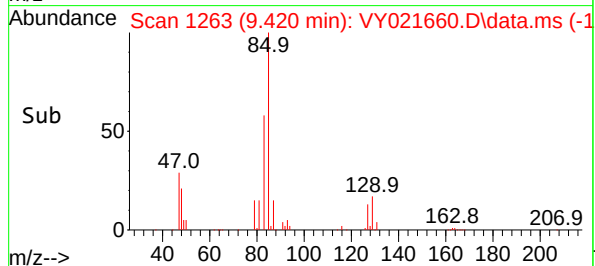


Tgt Ion:	83	Resp:	38686
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.3	6.8	10.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

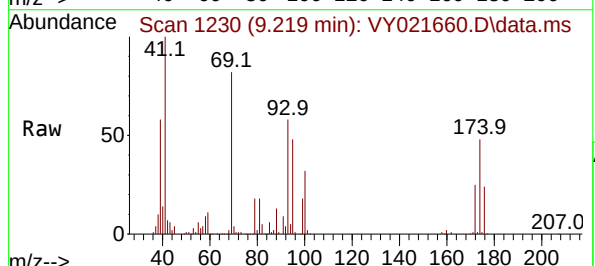
Concen: 101.718 ug/l

RT: 9.219 min Scan# 1230

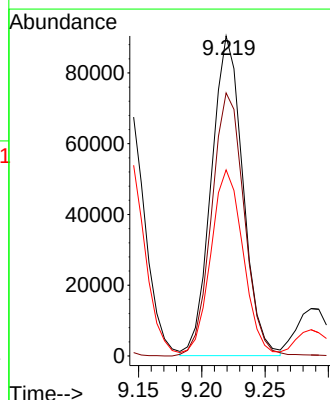
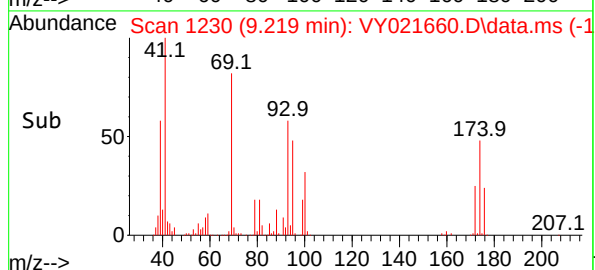
Delta R.T. 0.000 min

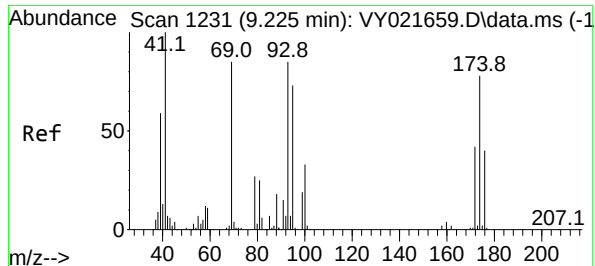
Lab File: VY021660.D

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# 1231

Delta R.T. 0.000 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

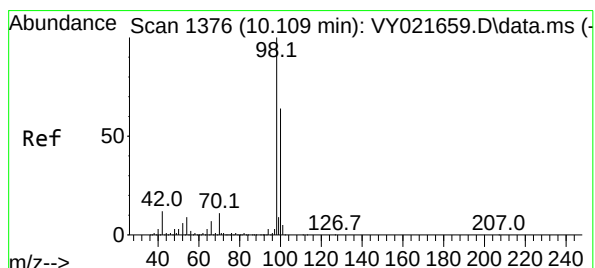
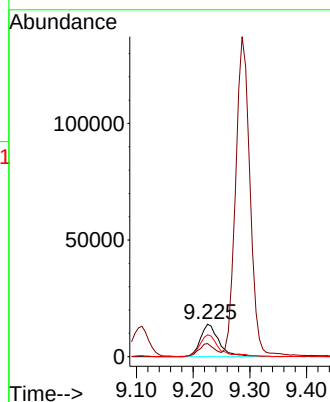
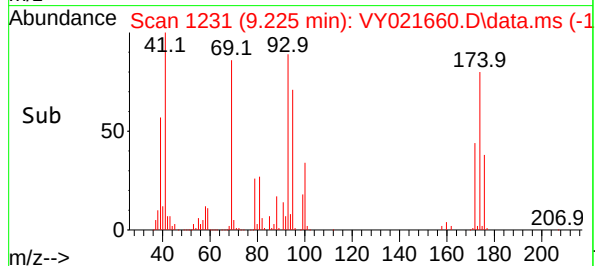
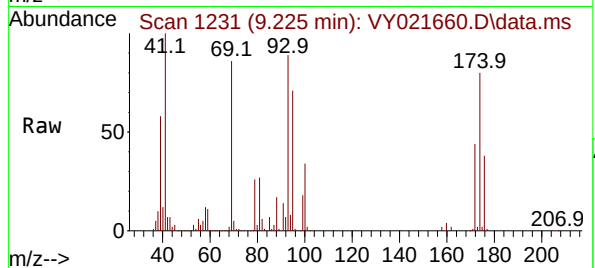
VSTDIC100

Tgt Ion:	88	Resp:	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

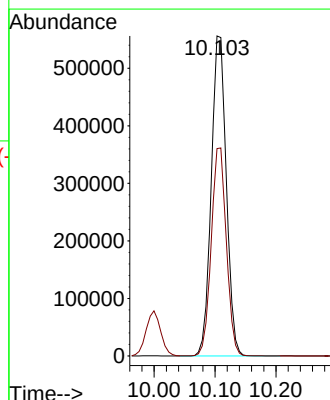
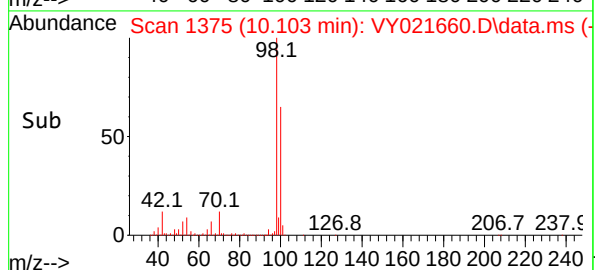
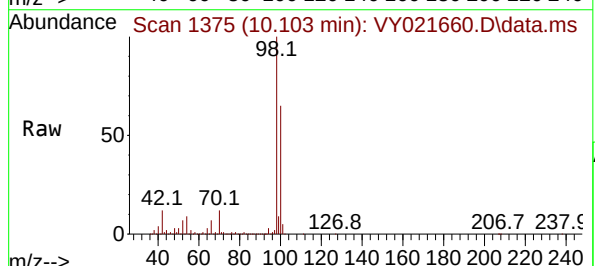
RT: 10.103 min Scan# 1375

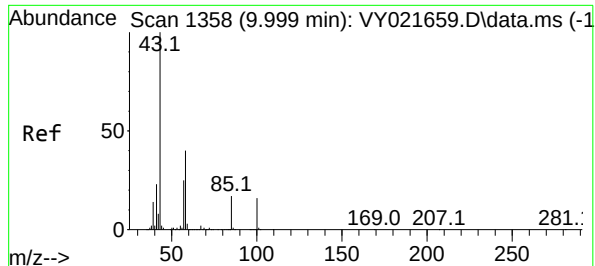
Delta R.T. -0.006 min

Lab File: VY021660.D

Acq: 27 Mar 2025 11:39

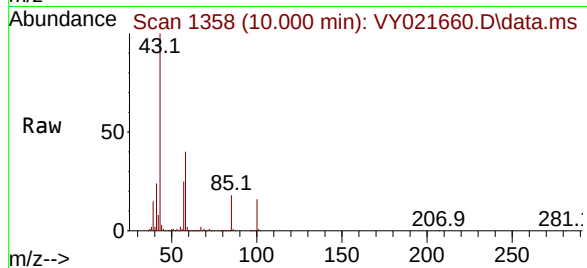
Tgt Ion:	98	Resp:	953346
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#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

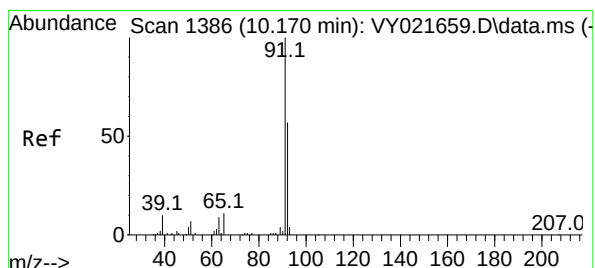
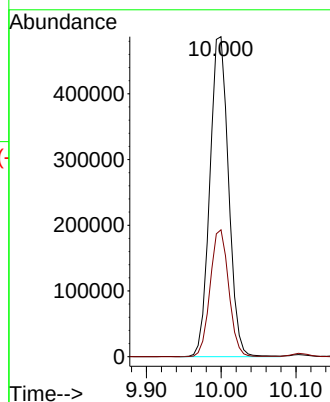
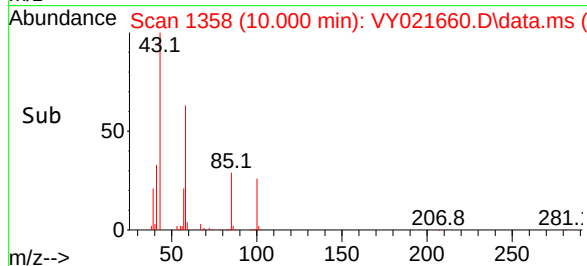
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 846120
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

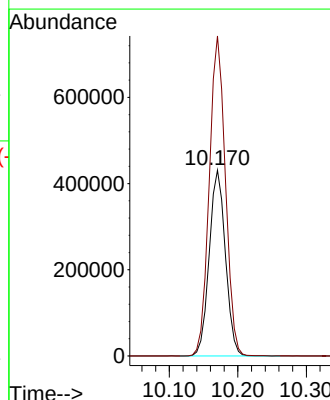
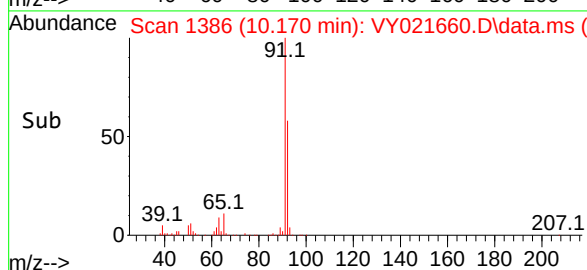
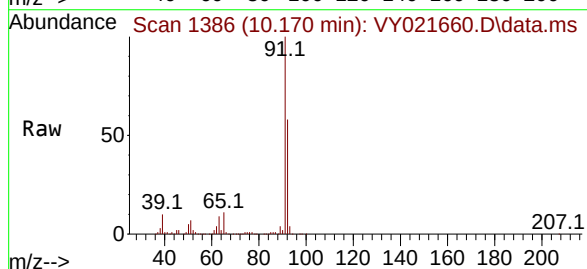
Manual Integrations
APPROVED

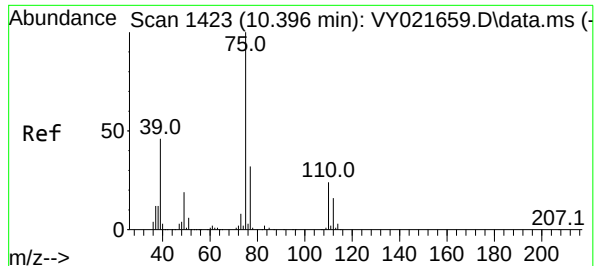
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





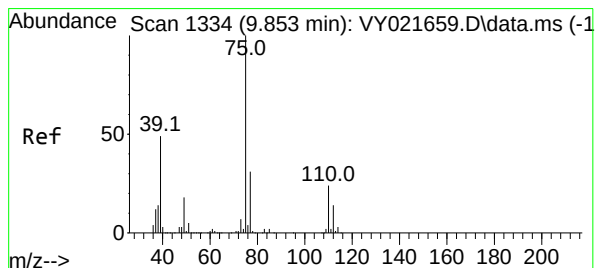
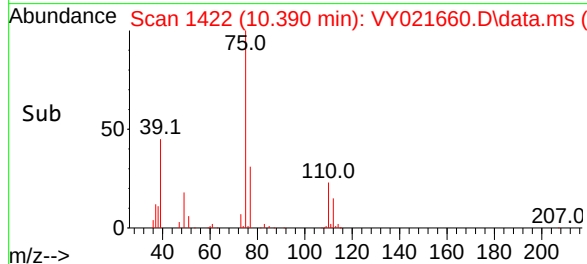
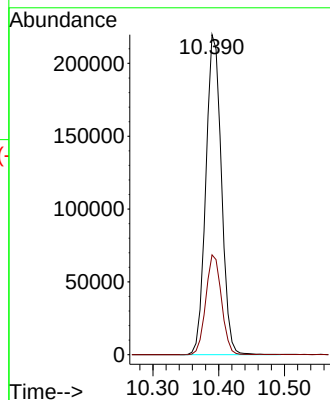
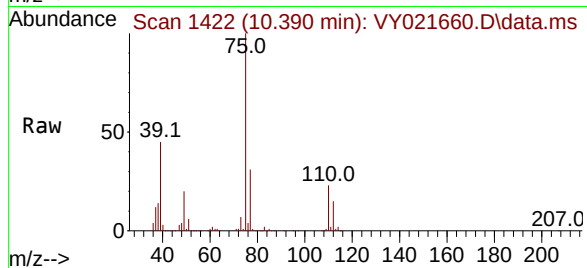
#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 361283
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

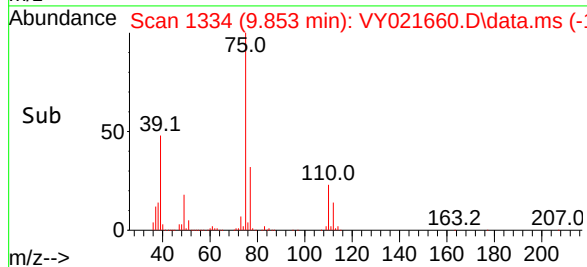
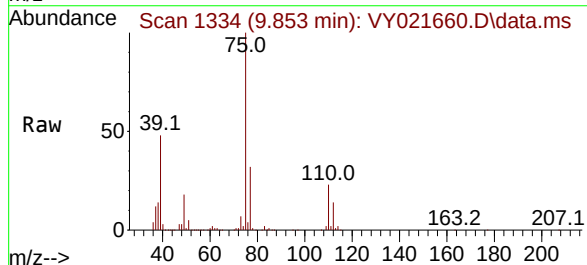
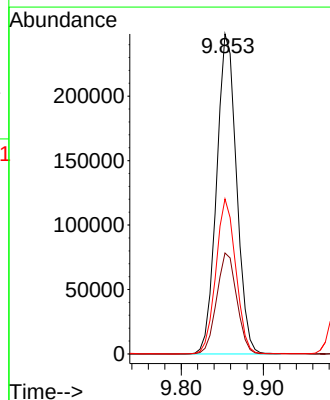
Manual Integrations
APPROVED

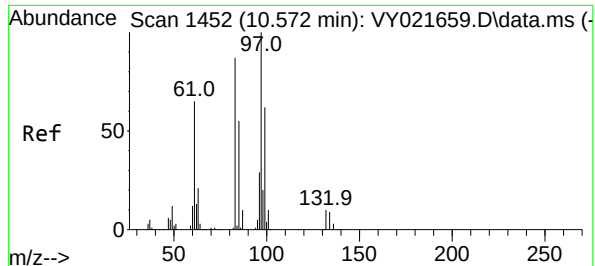
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

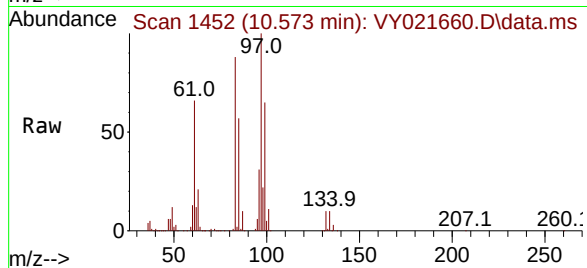
Tgt Ion: 75 Resp: 418099
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 48.4 39.2 58.8





#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

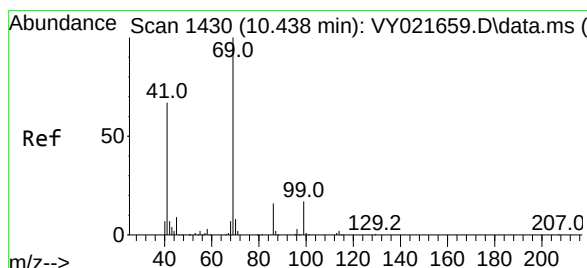
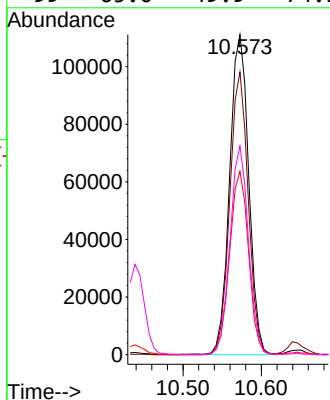
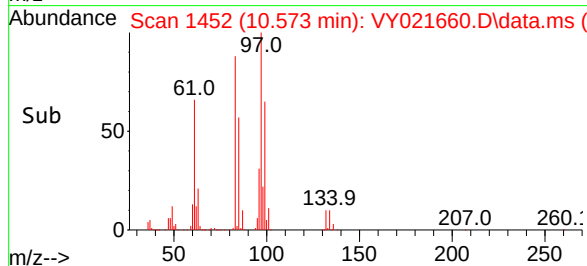
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



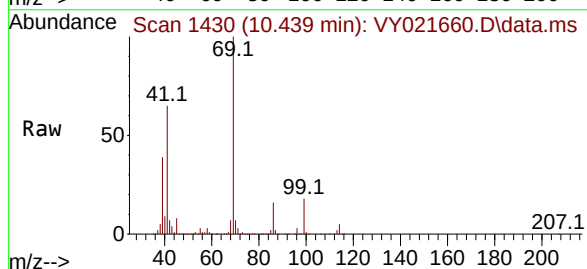
Tgt Ion: 97 Resp: 18797
Ion Ratio Lower Upper
97 100
83 88.3 69.5 104.3
85 57.3 43.9 65.9
99 65.0 49.9 74.9

Manual Integrations
APPROVED

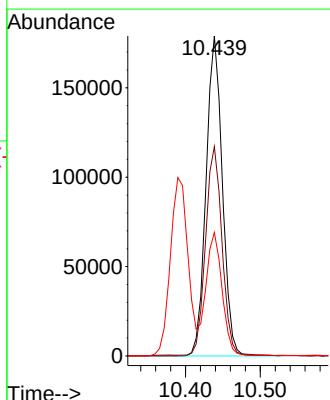
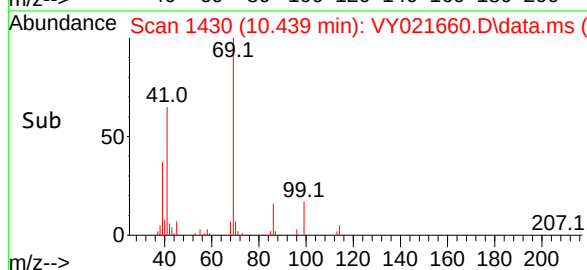
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

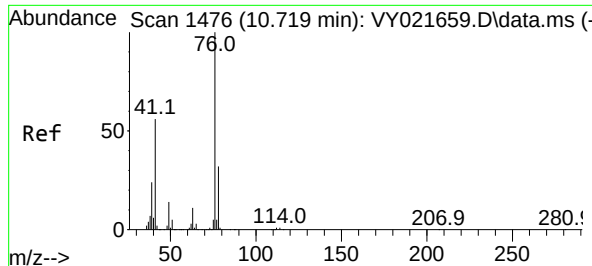


#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



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 :

VSTDIC100

Tgt Ion: 76 Resp: 329063

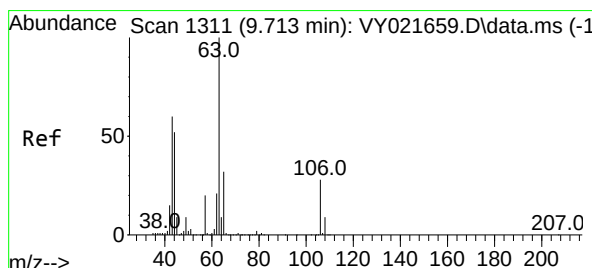
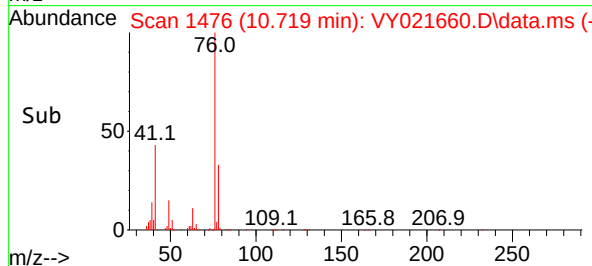
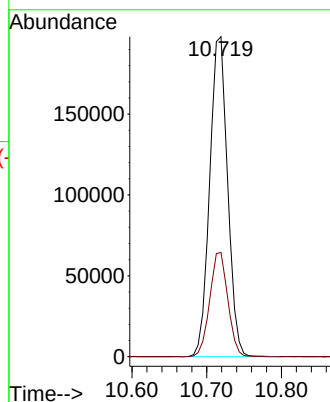
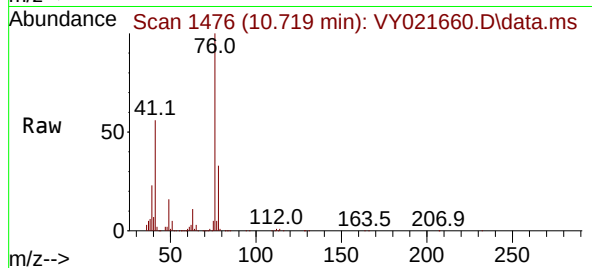
Ion Ratio Lower Upper

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

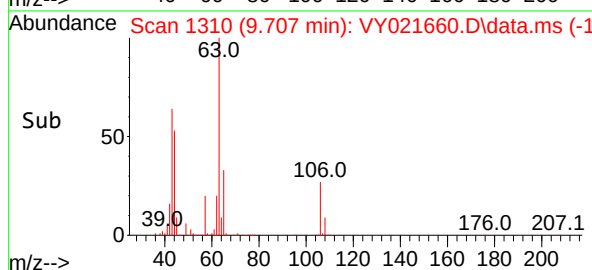
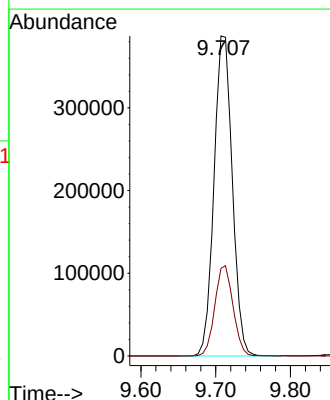
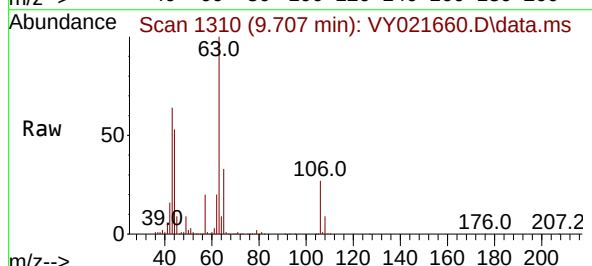
Acq: 27 Mar 2025 11:39

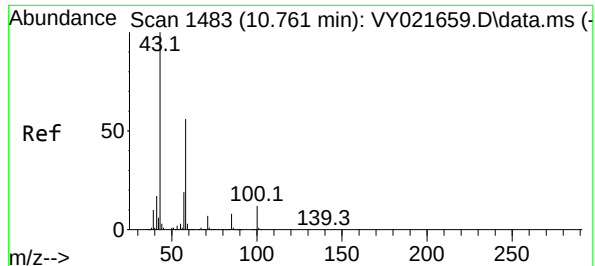
Tgt Ion: 63 Resp: 657953

Ion Ratio Lower Upper

63 100

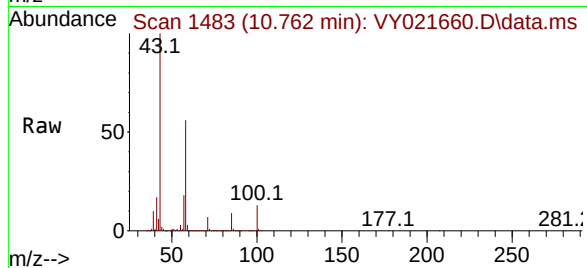
106 28.1 22.4 33.6





#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

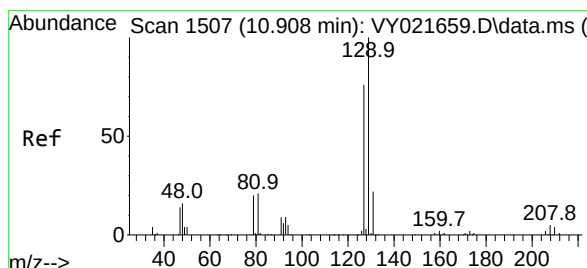
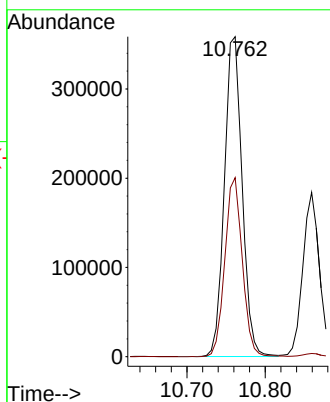
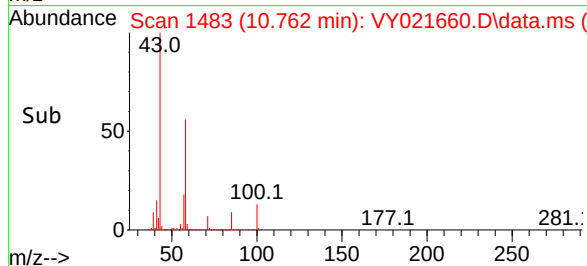
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 565080
Ion Ratio Lower Upper
43 100
58 55.2 27.2 81.5

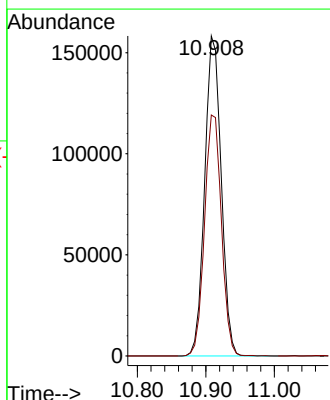
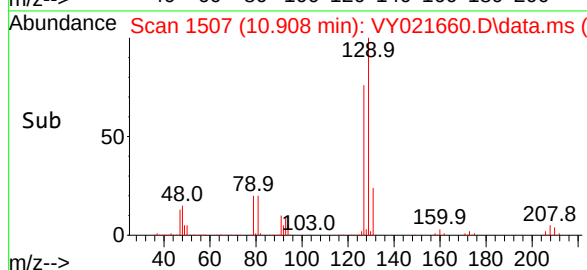
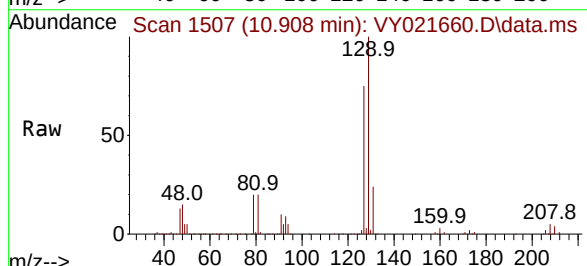
Manual Integrations
APPROVED

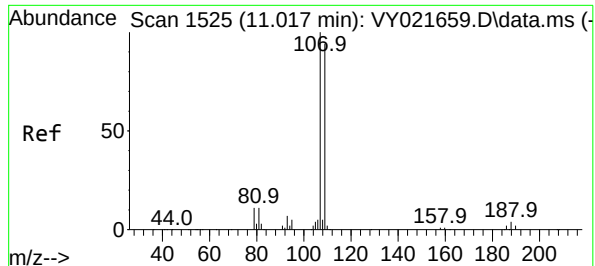
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





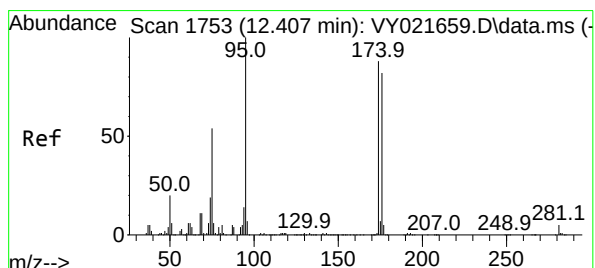
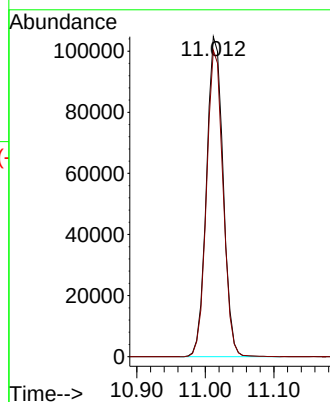
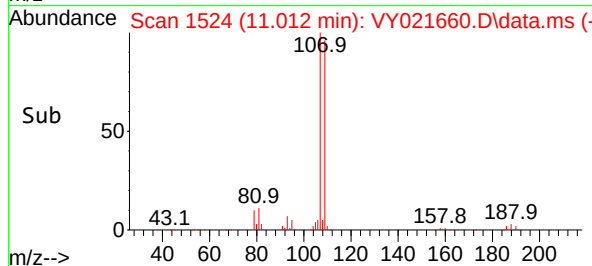
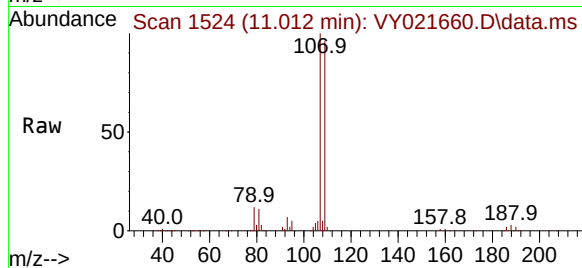
#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:107 Resp: 177158
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6

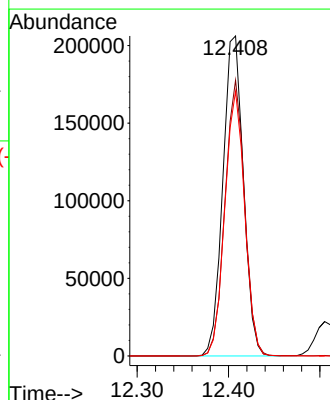
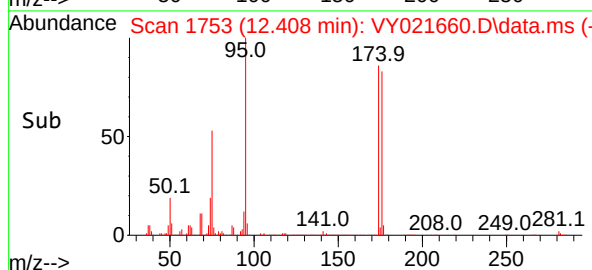
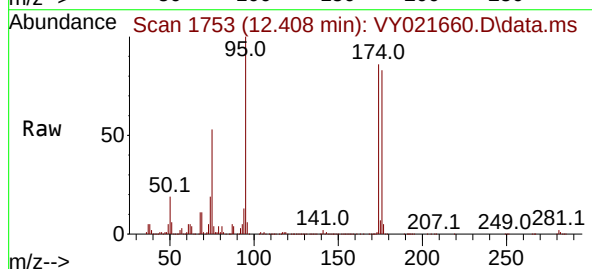
Manual Integrations
APPROVED

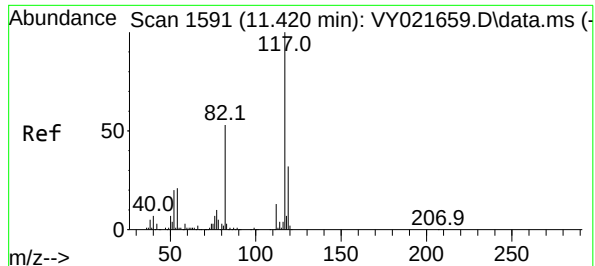
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

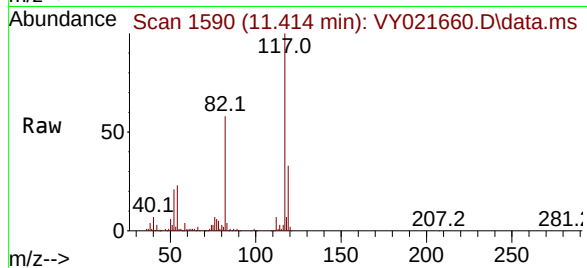
Tgt Ion: 95 Resp: 322469
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 79.9 0.0 162.0





#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

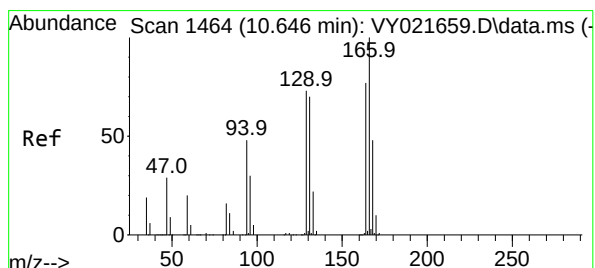
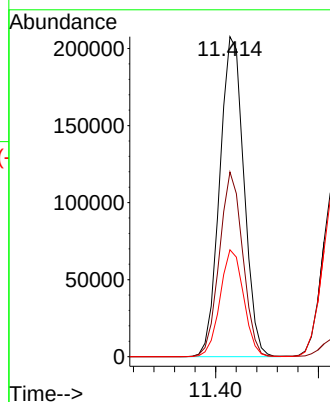
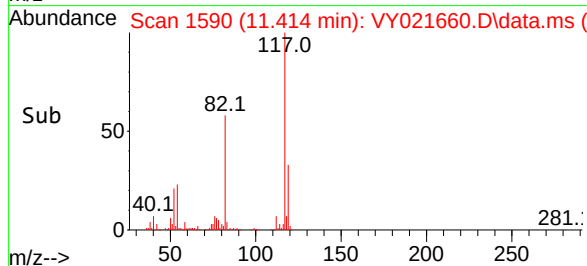
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



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

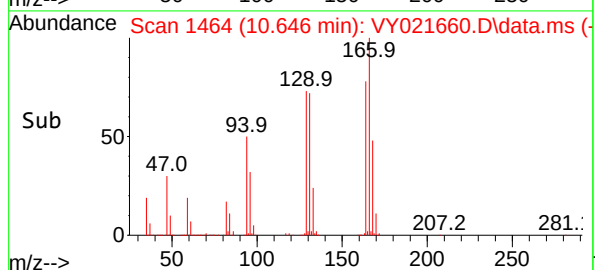
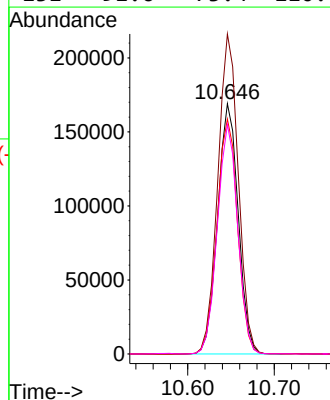
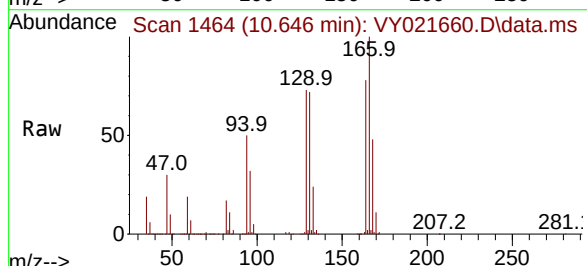
Manual Integrations
APPROVED

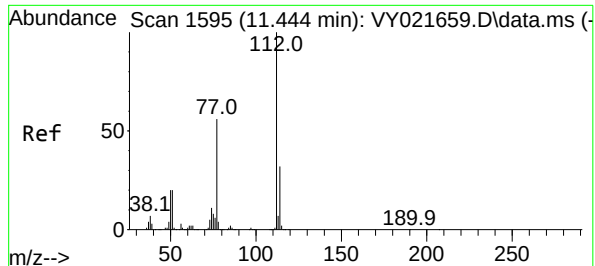
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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# 11

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

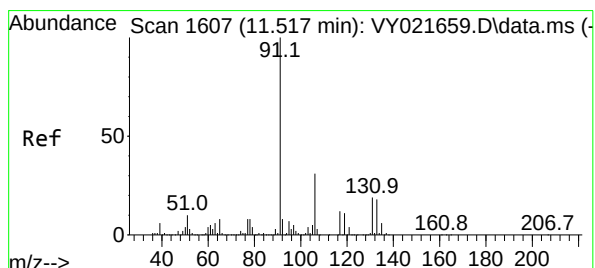
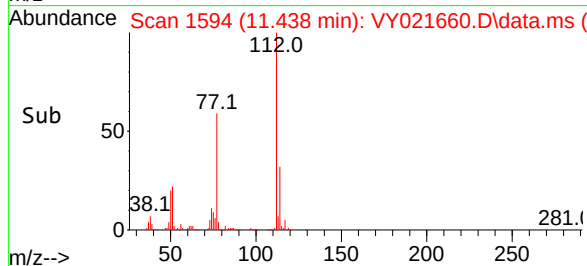
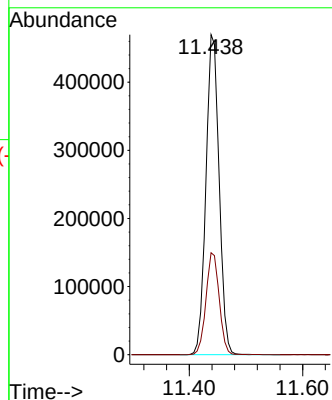
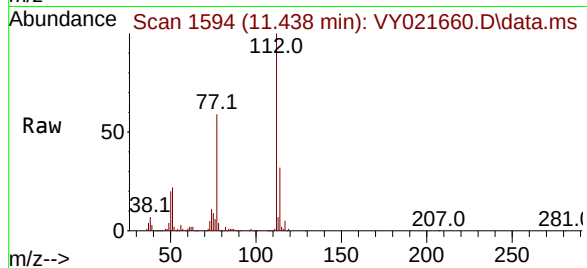
114 31.9 25.9 38.9

Manual Integrations

APPROVED

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

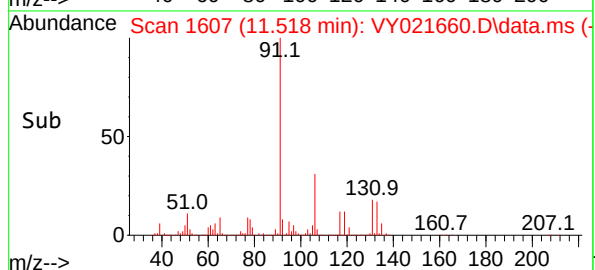
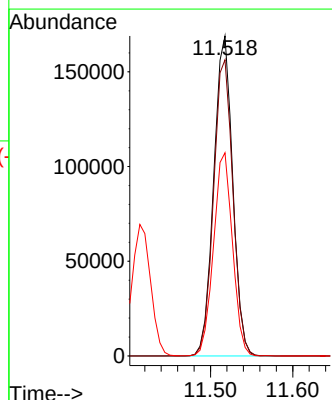
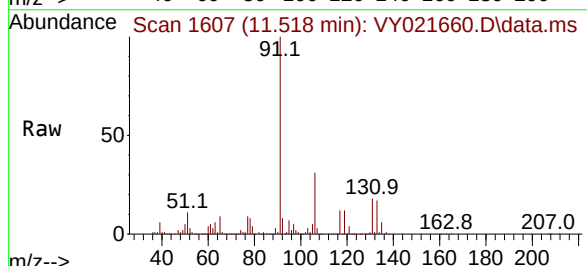
Tgt Ion:131 Resp: 271119

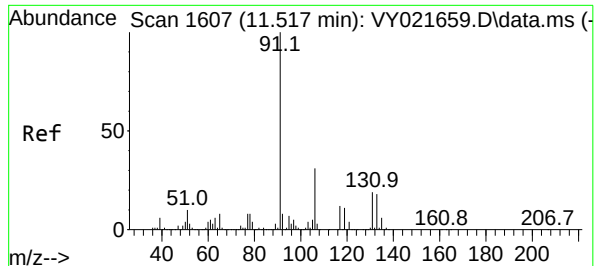
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion: 91 Resp: 1372249

Ion Ratio Lower Upper

91 100

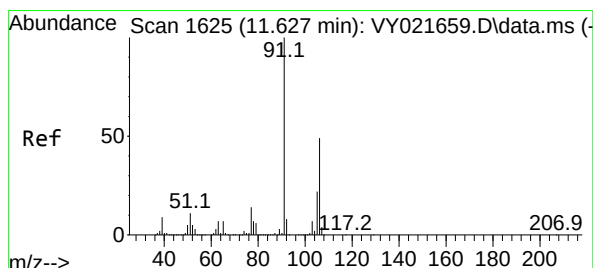
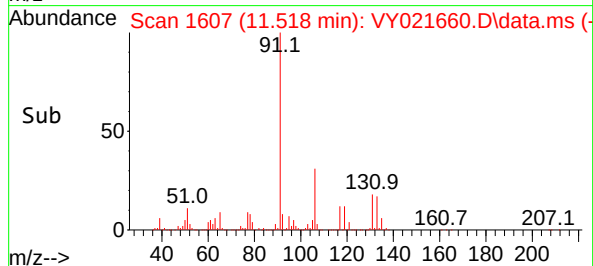
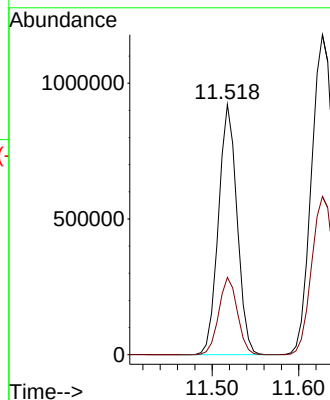
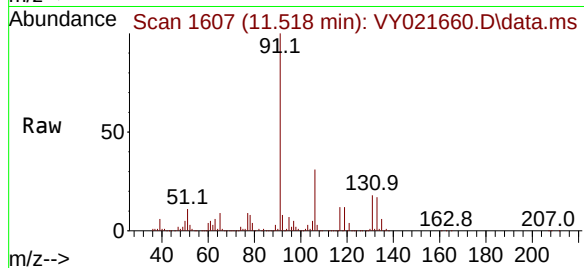
106 30.9 24.6 36.8

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

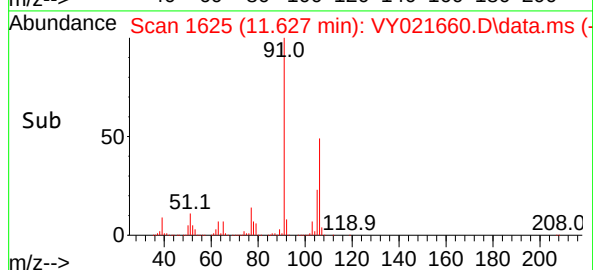
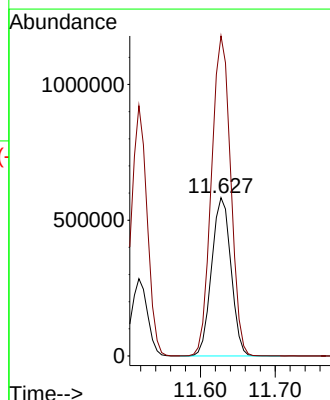
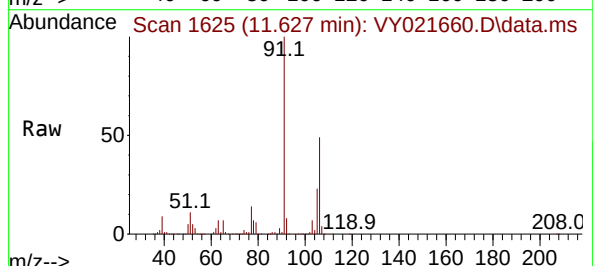
Acq: 27 Mar 2025 11:39

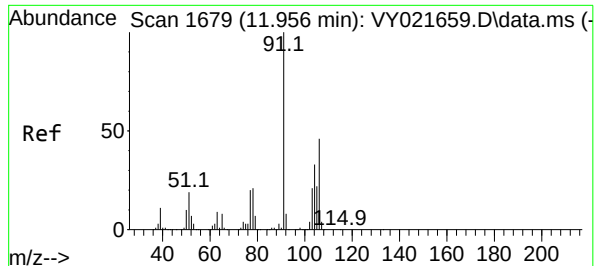
Tgt Ion:106 Resp: 1050156

Ion Ratio Lower Upper

106 100

91 201.4 162.4 243.6





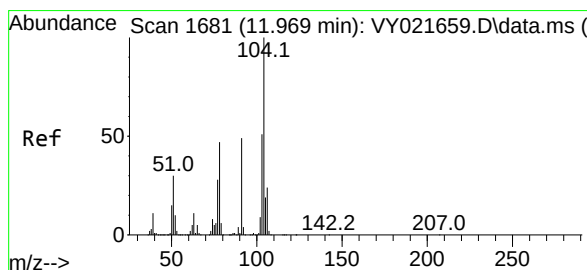
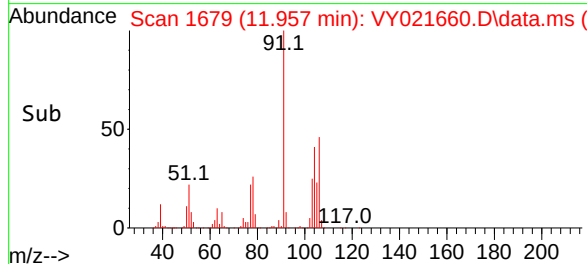
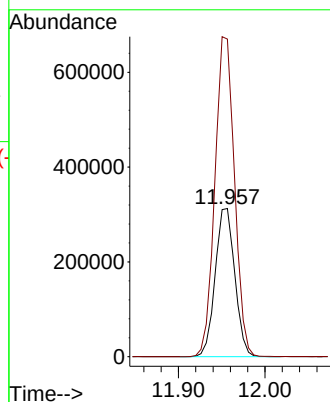
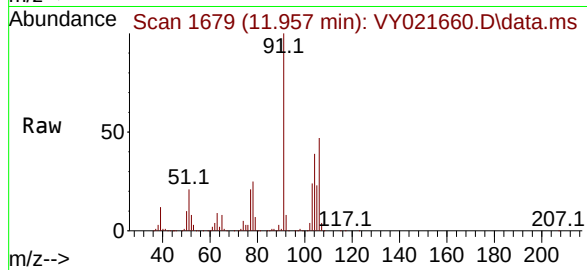
#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 491895
Ion Ratio Lower Upper
106 100
91 215.9 106.7 319.9

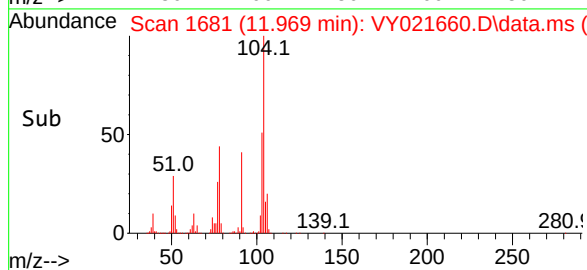
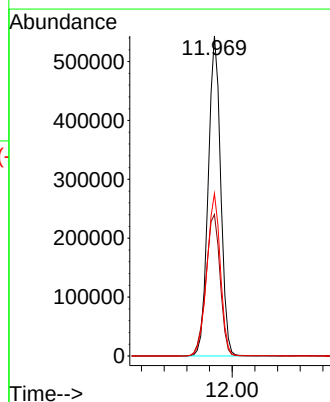
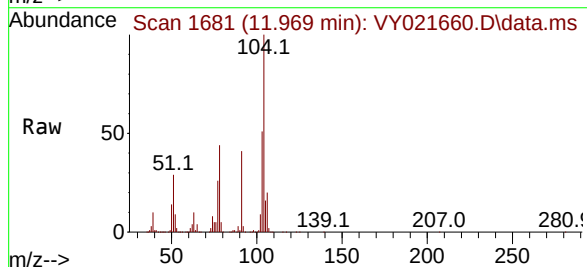
Manual Integrations
APPROVED

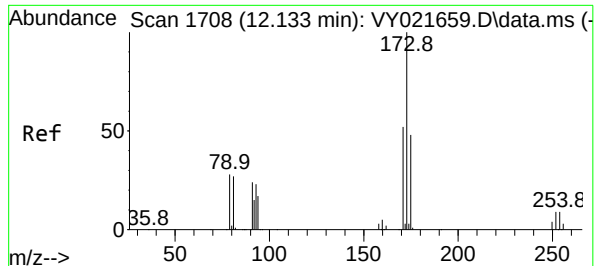
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

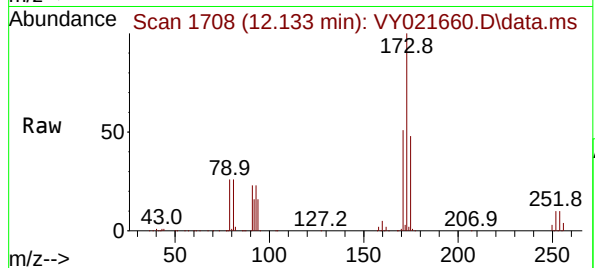
Tgt Ion:104 Resp: 833734
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 54.6 44.2 66.2





#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

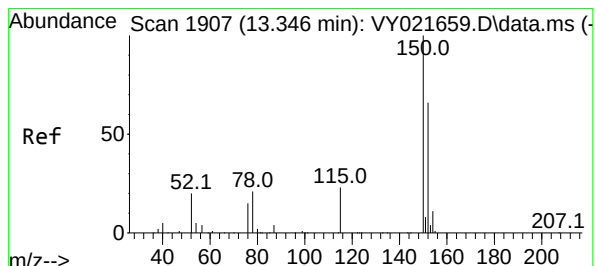
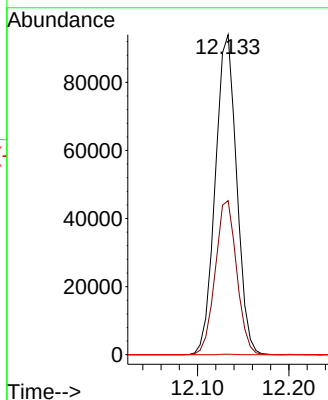
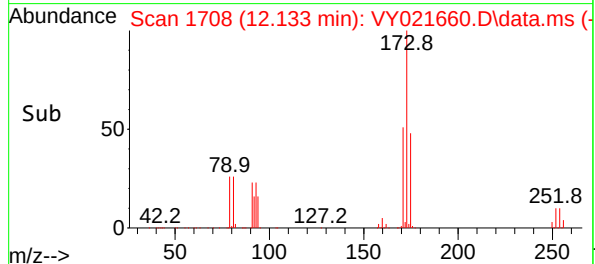
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



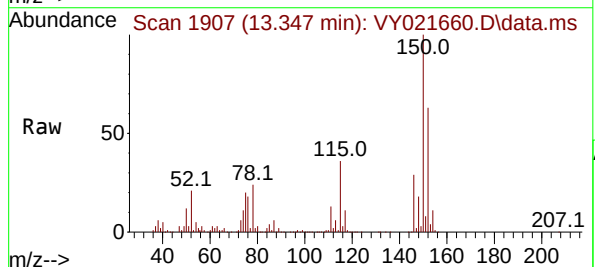
Tgt Ion:173 Resp: 15268
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.1 0.1 0.1

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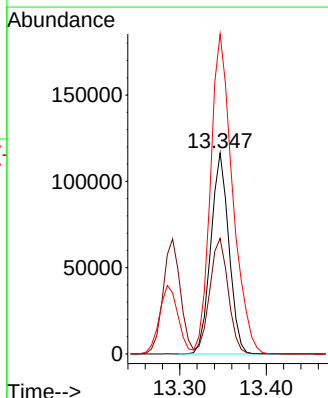
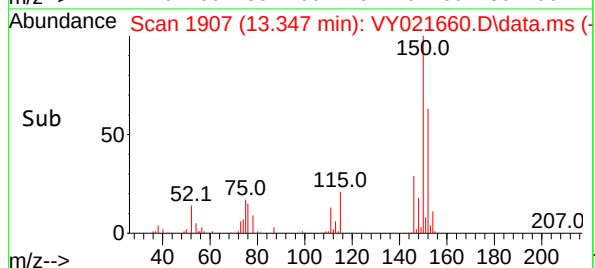
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

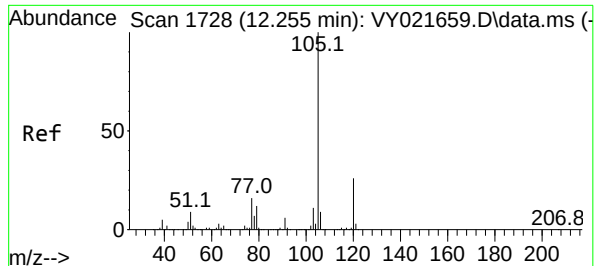


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



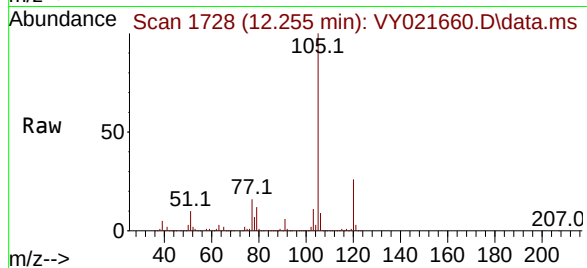
Tgt Ion:152 Resp: 168901
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 193.6 0.0 348.4





#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

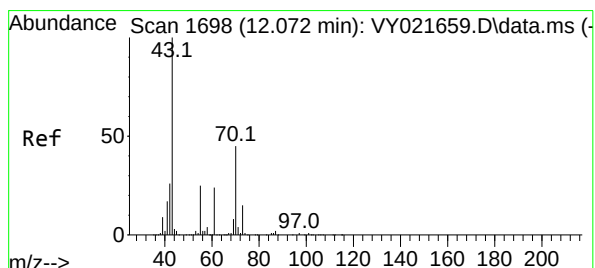
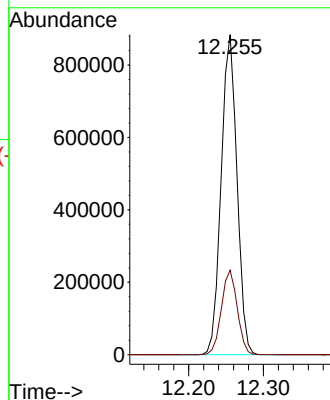
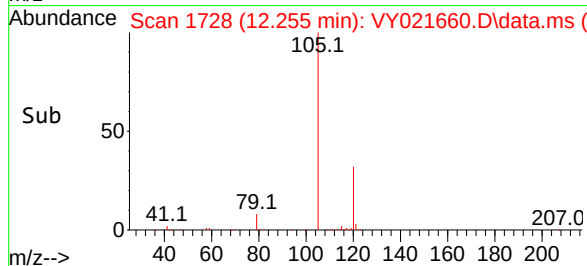
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 129822
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

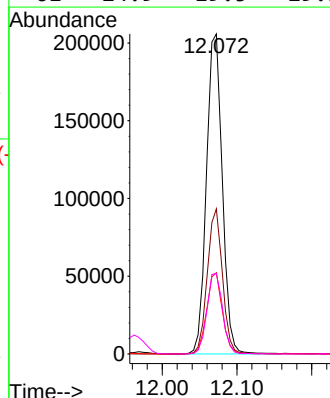
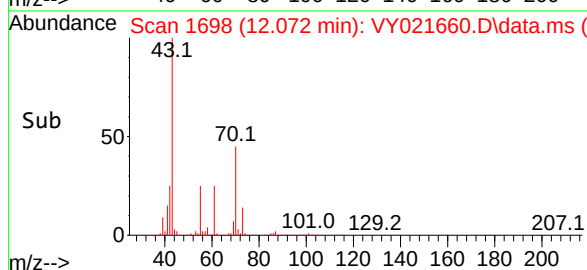
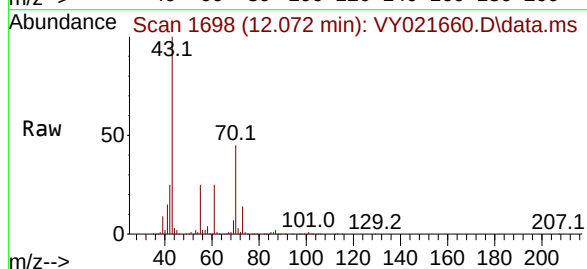
Manual Integrations
APPROVED

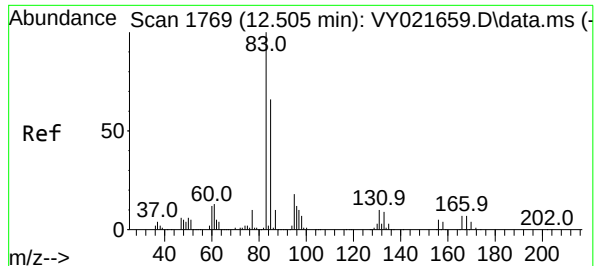
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#74
N-ethyl acetate
Concen: 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

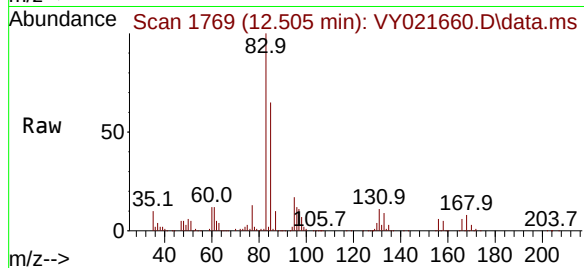
Tgt Ion: 43 Resp: 303328
Ion Ratio Lower Upper
43 100
70 43.3 34.7 52.1
55 25.1 21.2 31.8
61 24.9 19.5 29.3





#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

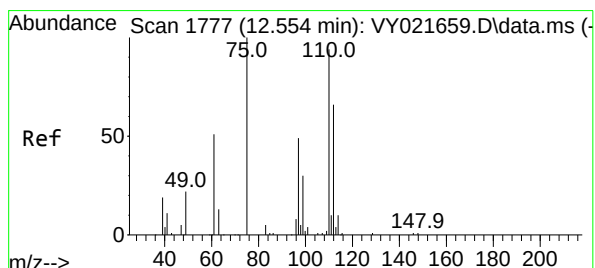
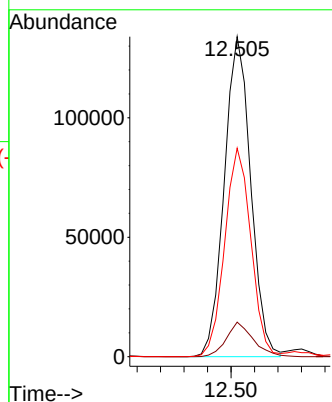
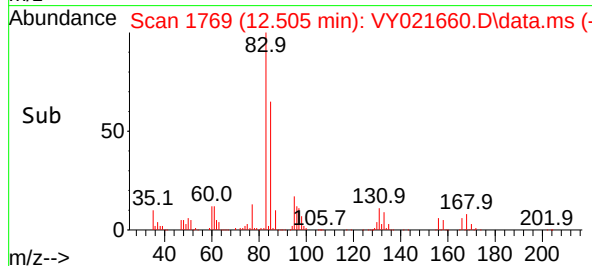
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

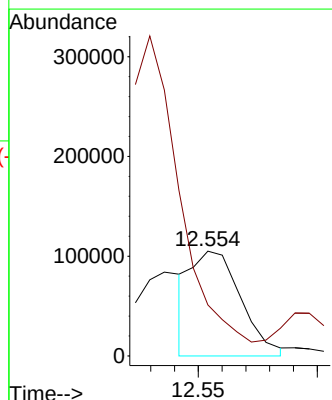
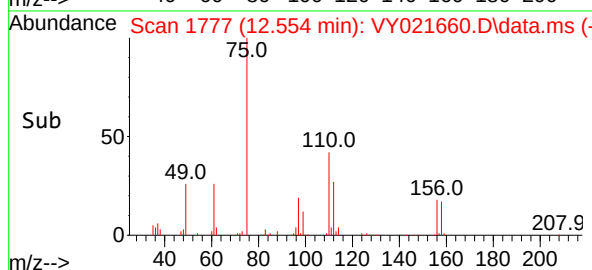
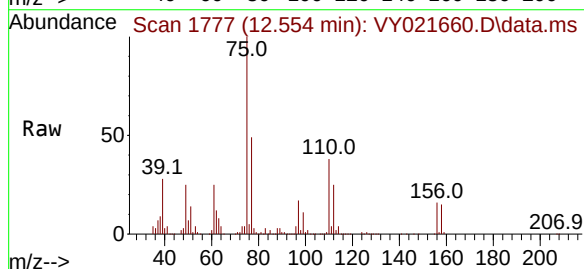
Manual Integrations
APPROVED

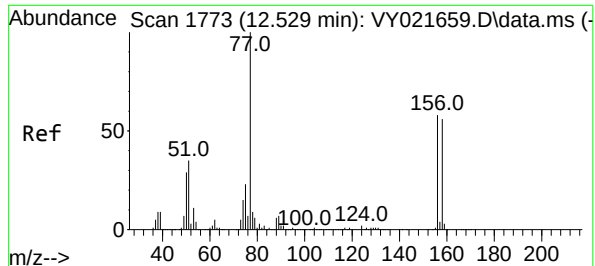
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

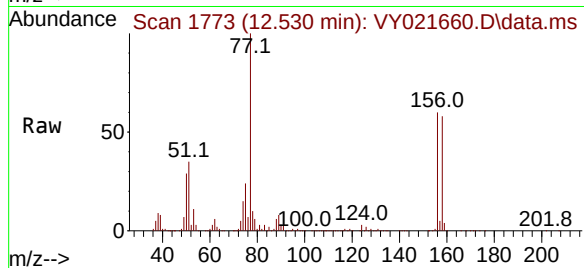
Tgt Ion: 75 Resp: 152979
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

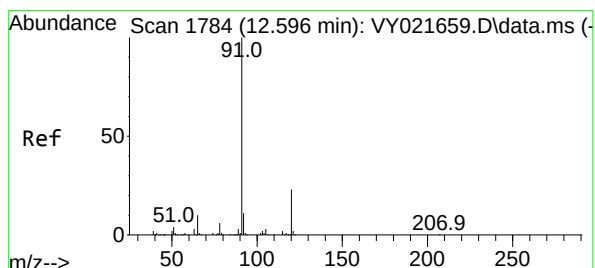
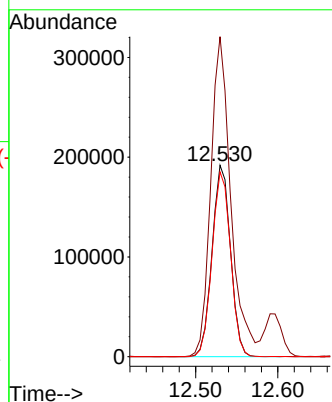
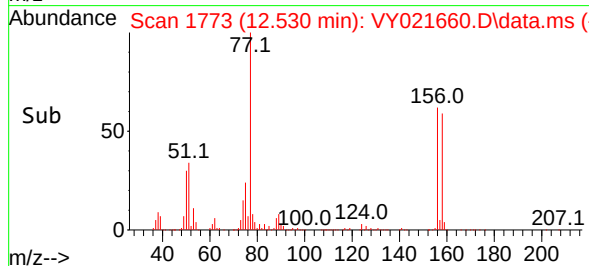
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

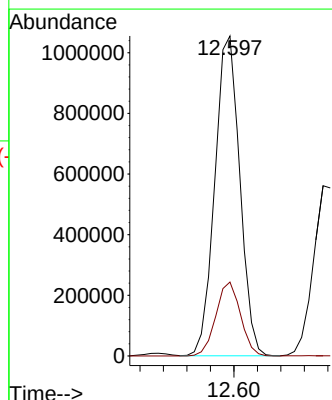
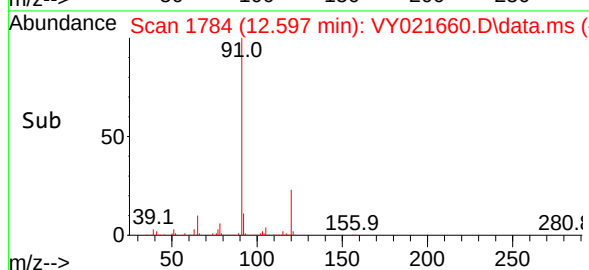
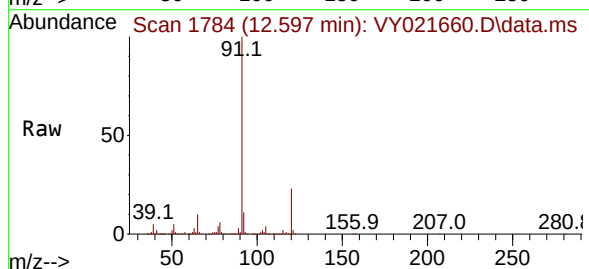
Manual Integrations
APPROVED

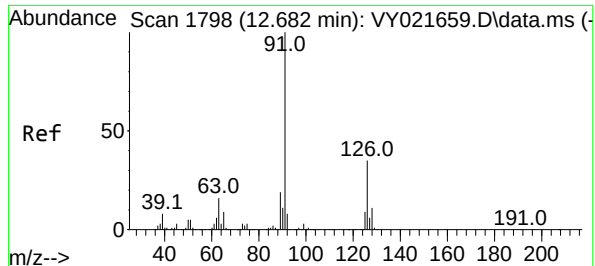
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





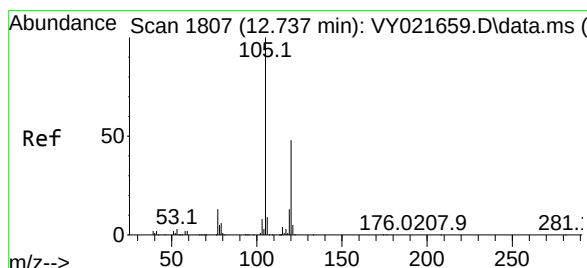
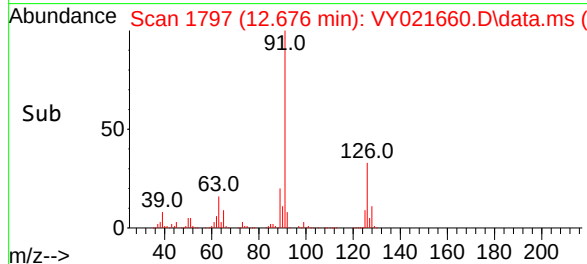
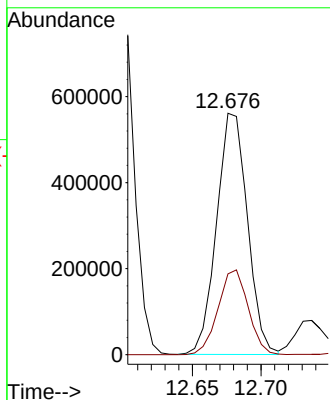
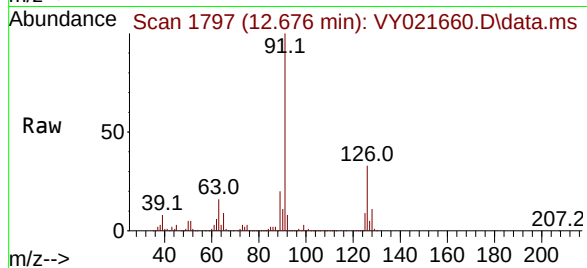
#79
2-Chlorotoluene
Concen: 100.382 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 879334
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0

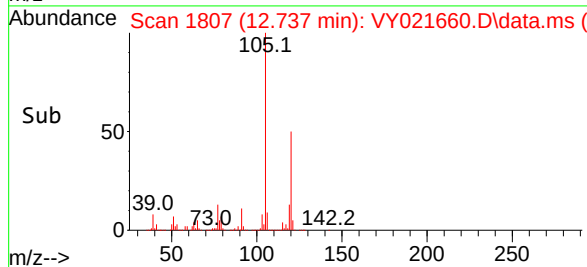
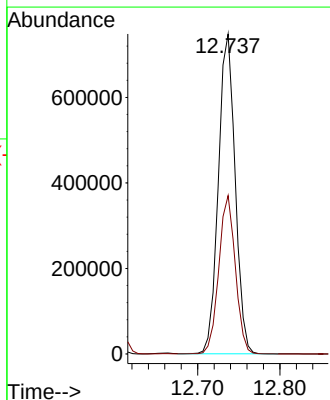
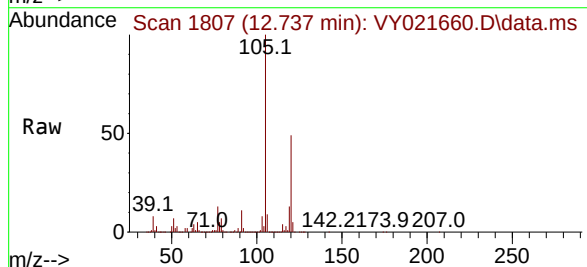
Manual Integrations
APPROVED

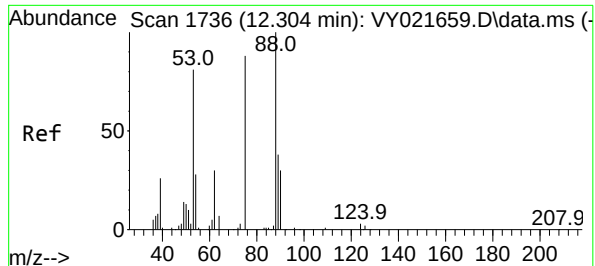
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

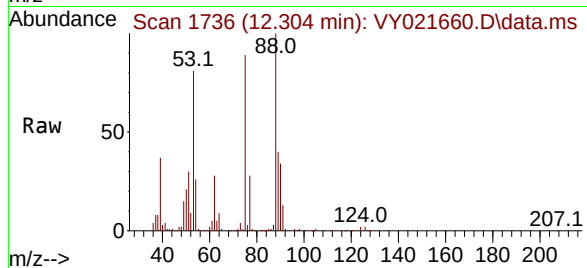
Tgt Ion:105 Resp: 1060963
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5





#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

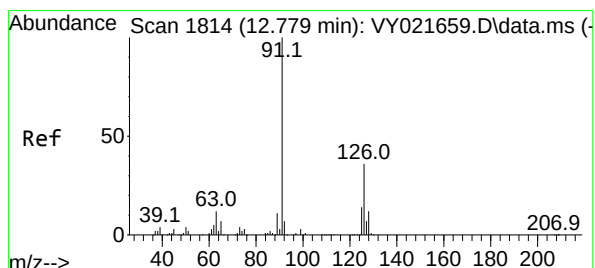
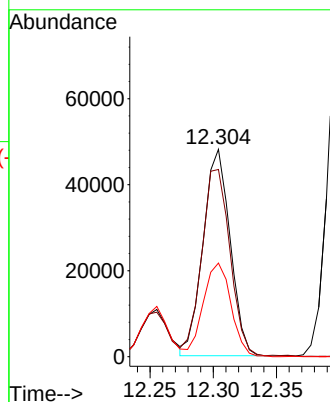
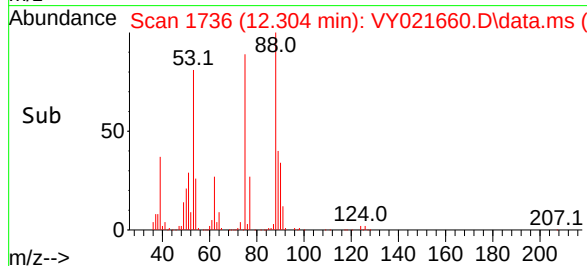
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

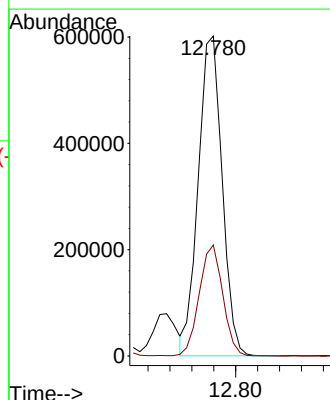
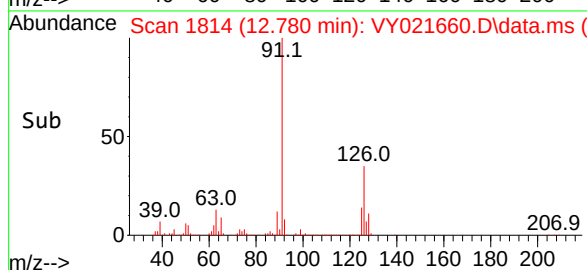
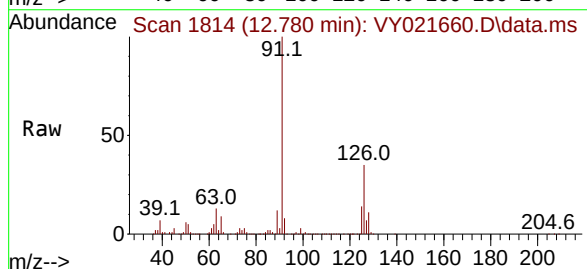
Manual Integrations
APPROVED

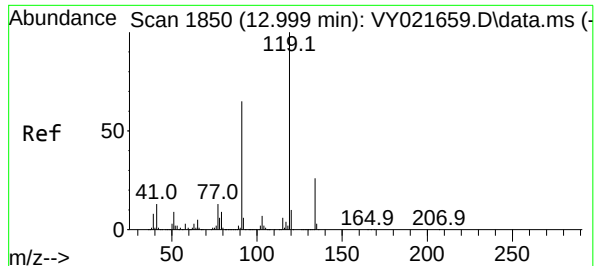
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

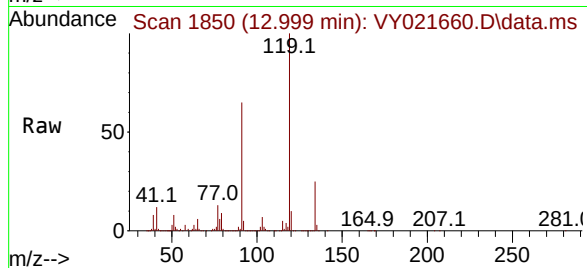
Tgt Ion: 91 Resp: 910295
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9





#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

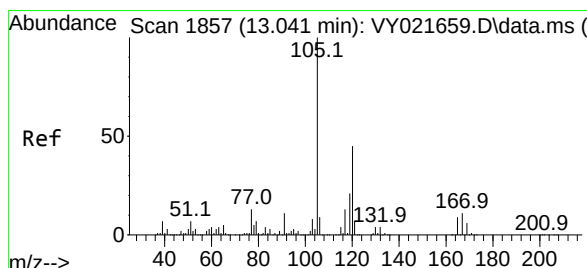
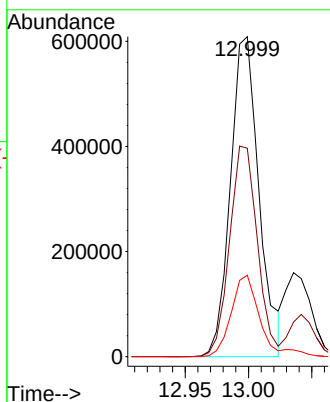
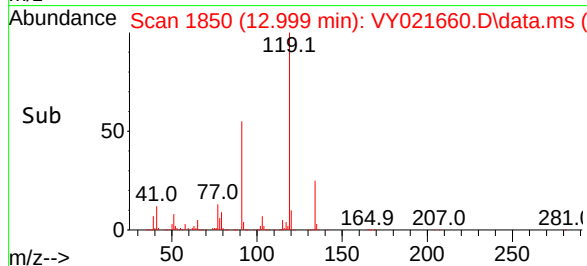
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



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

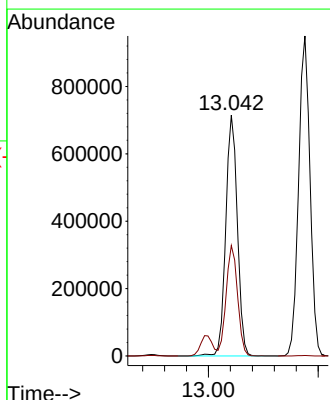
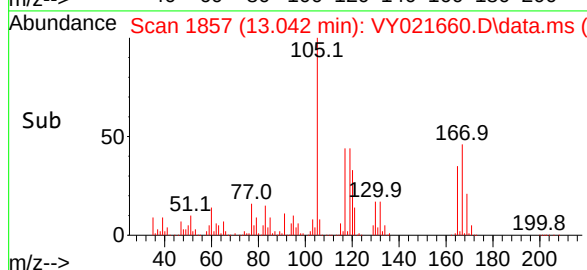
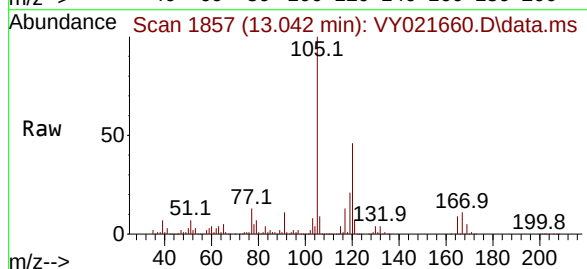
Manual Integrations
APPROVED

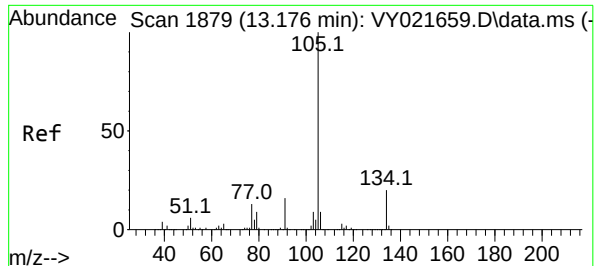
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

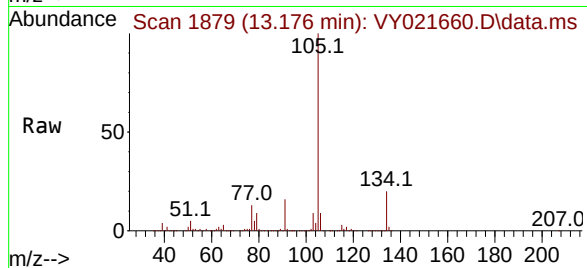
Tgt Ion:105 Resp: 1052663
Ion Ratio Lower Upper
105 100
120 45.1 22.7 68.1





#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

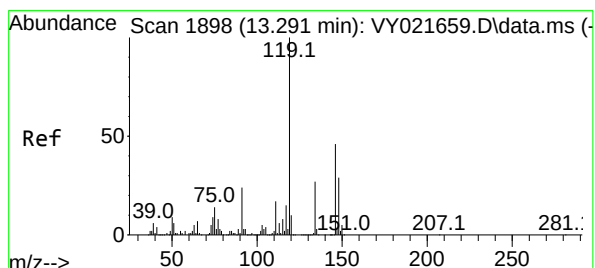
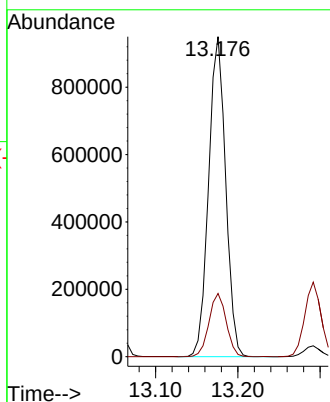
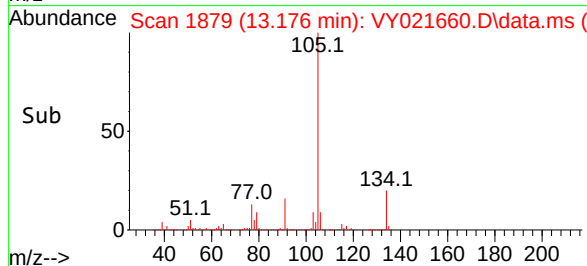
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



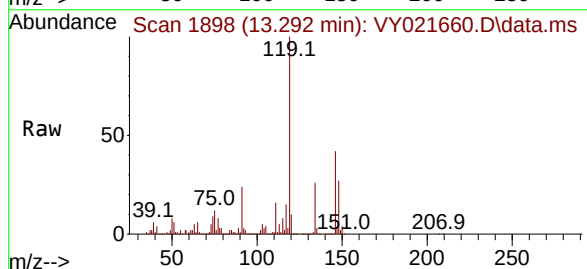
Tgt Ion:105 Resp: 136960
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

Manual Integrations
APPROVED

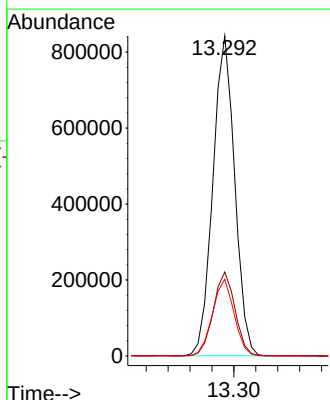
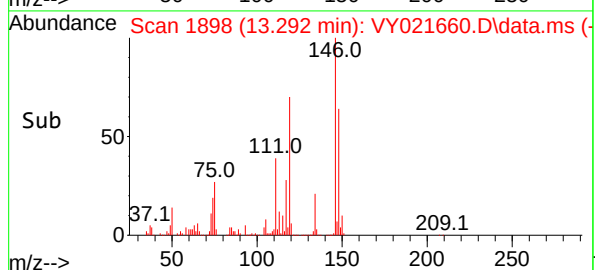
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

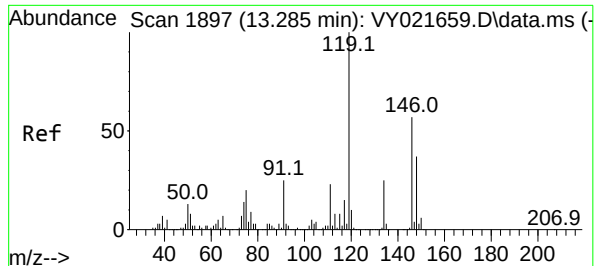


#86
p-Isopropyltoluene
Concen: 105.509 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39



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# 11

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: 58383

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

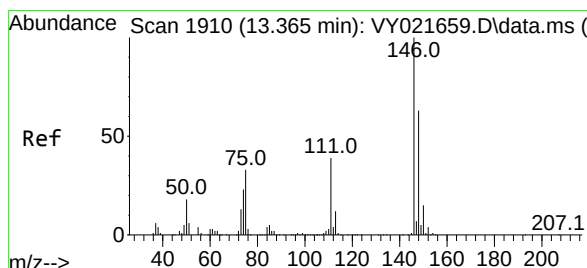
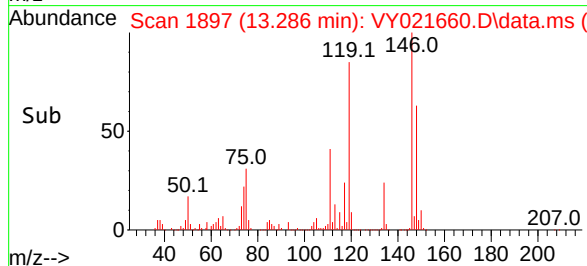
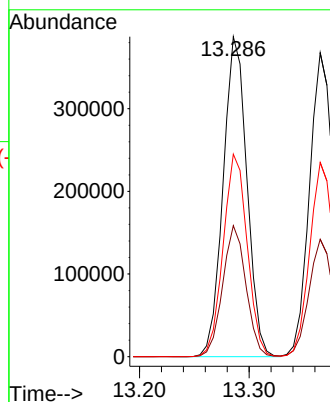
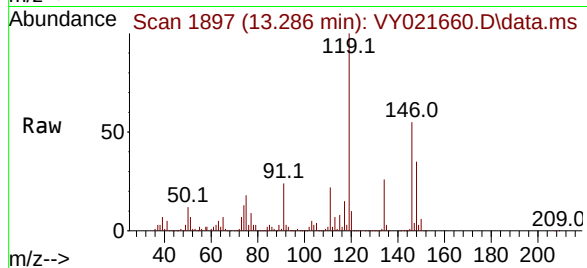
148 63.9 31.8 95.4

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

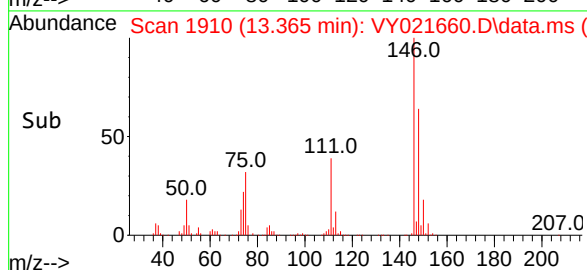
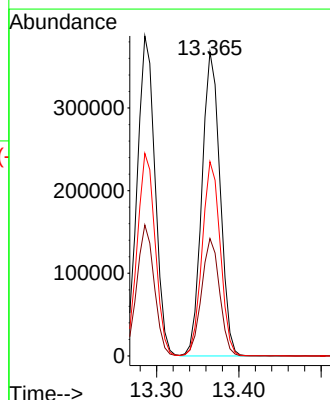
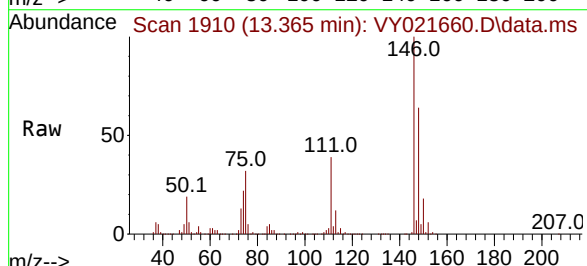
Tgt Ion:146 Resp: 565293

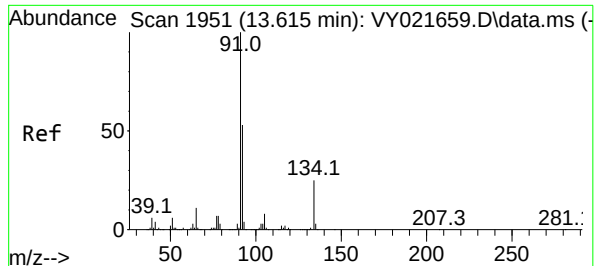
Ion Ratio Lower Upper

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

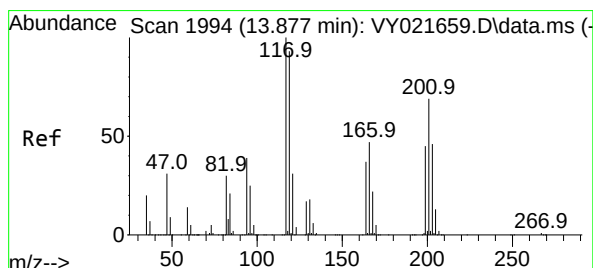
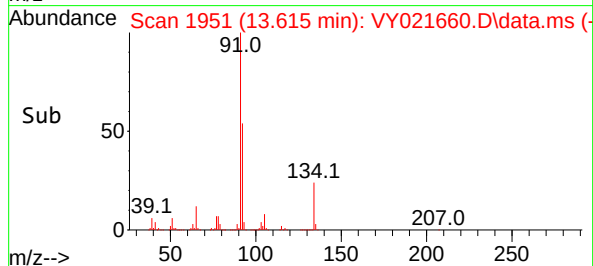
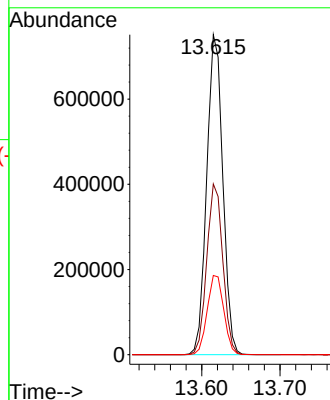
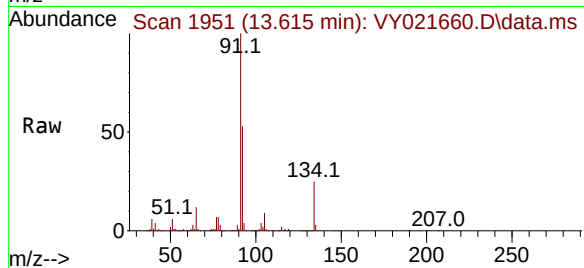
134 25.6 12.8 38.4

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

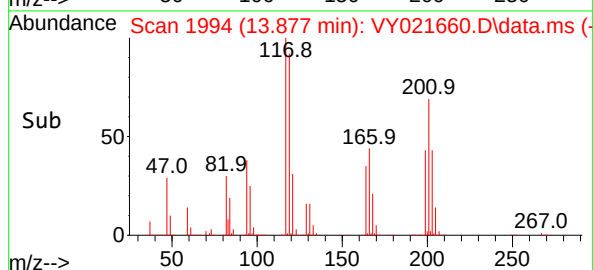
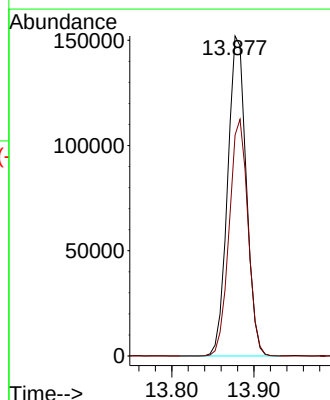
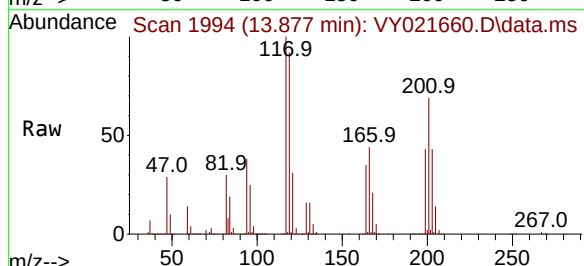
Acq: 27 Mar 2025 11:39

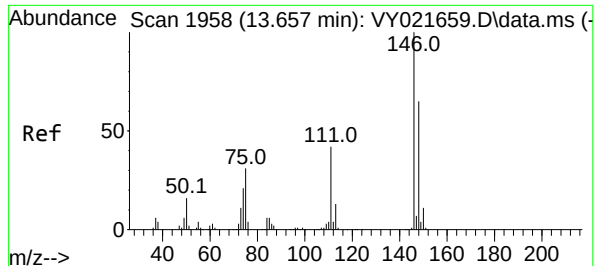
Tgt Ion:117 Resp: 239487

Ion Ratio Lower Upper

117 100

201 74.5 37.4 112.1





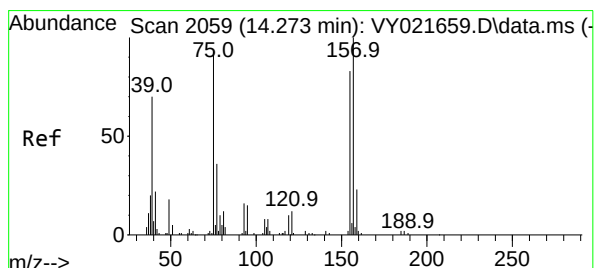
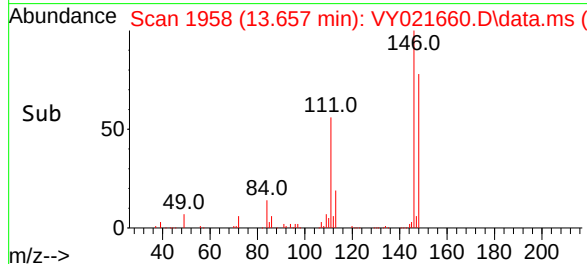
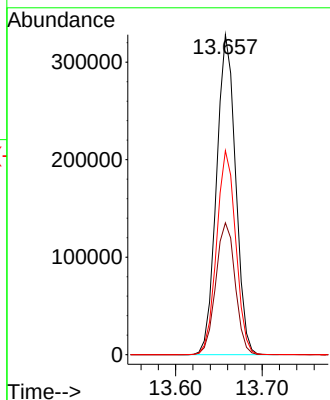
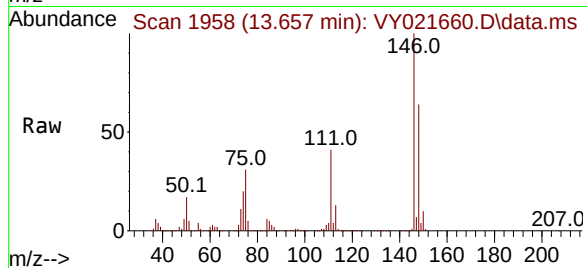
#91
1,2-Dichlorobenzene
Concen: 97.186 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
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

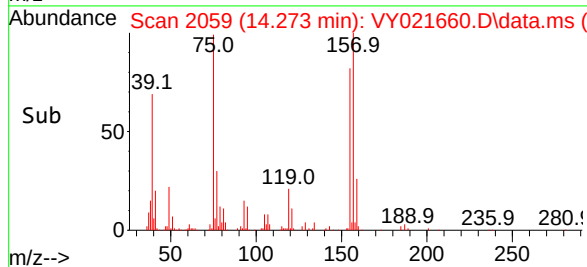
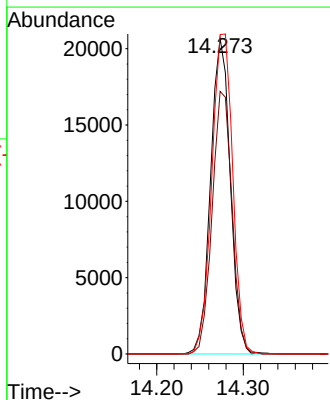
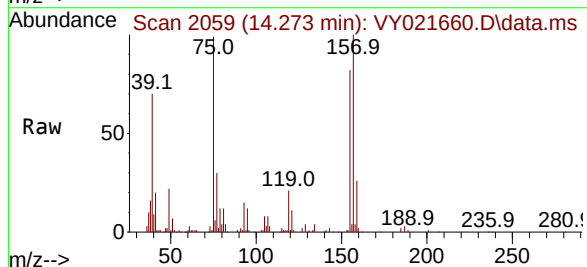
Manual Integrations
APPROVED

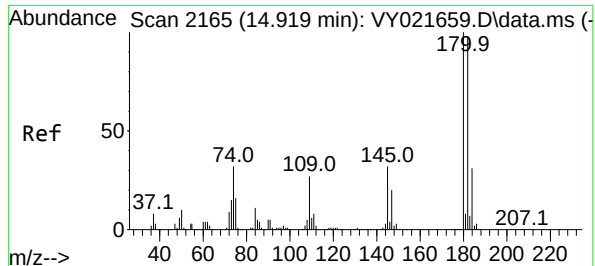
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

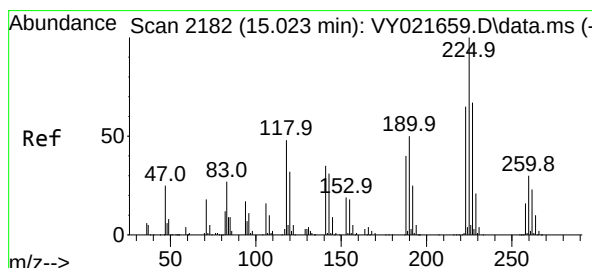
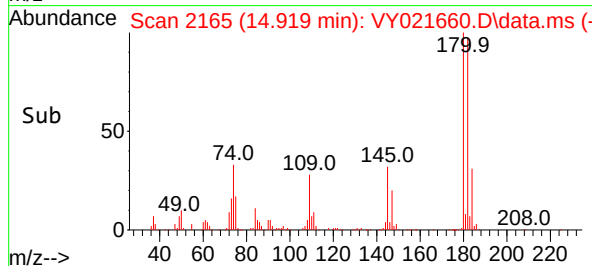
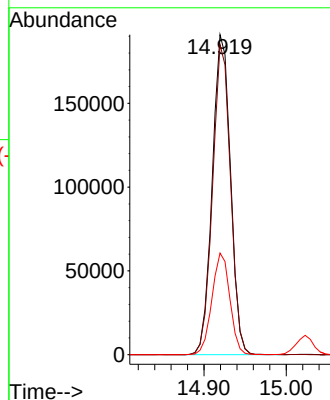
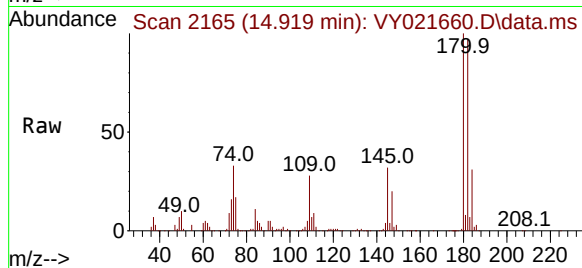
145 31.2 14.9 44.9

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

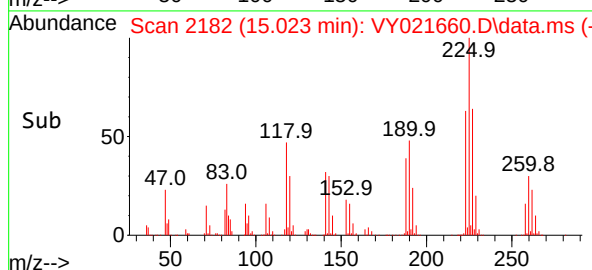
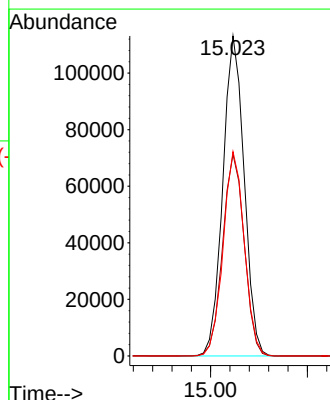
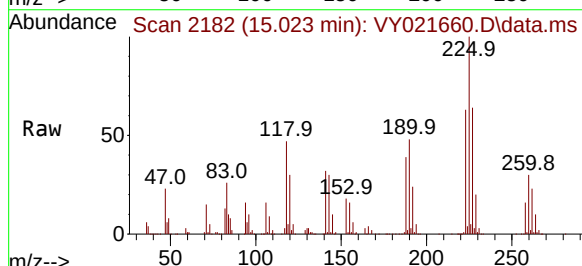
Tgt Ion:225 Resp: 172909

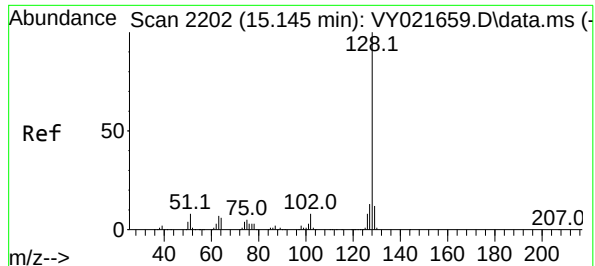
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion:128 Resp: 508449

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

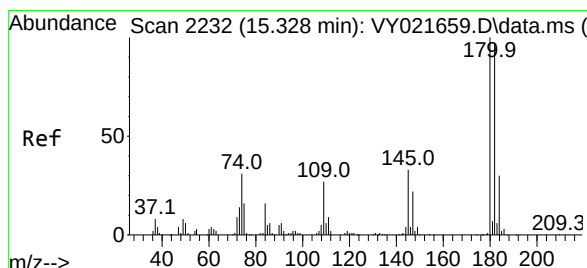
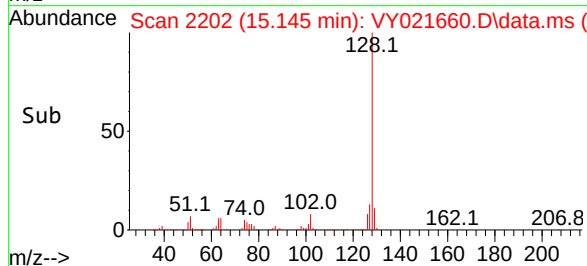
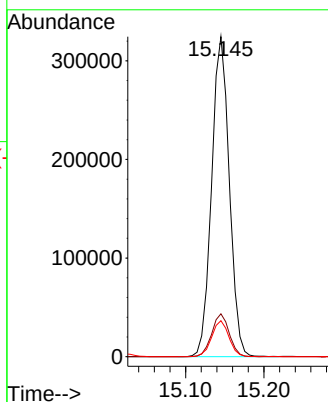
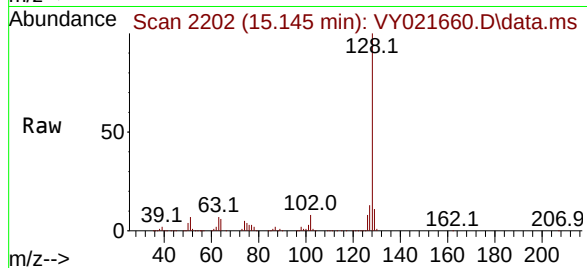
129 11.0 8.8 13.2

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

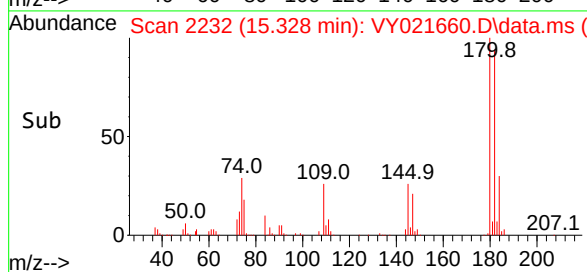
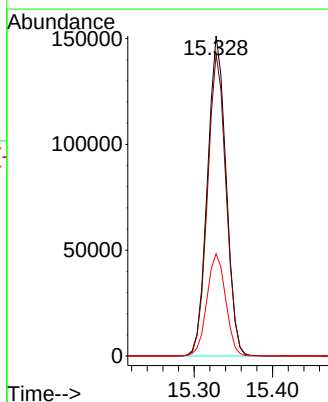
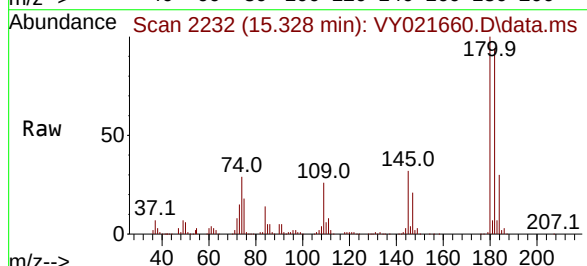
Tgt Ion:180 Resp: 248821

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

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)

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)

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

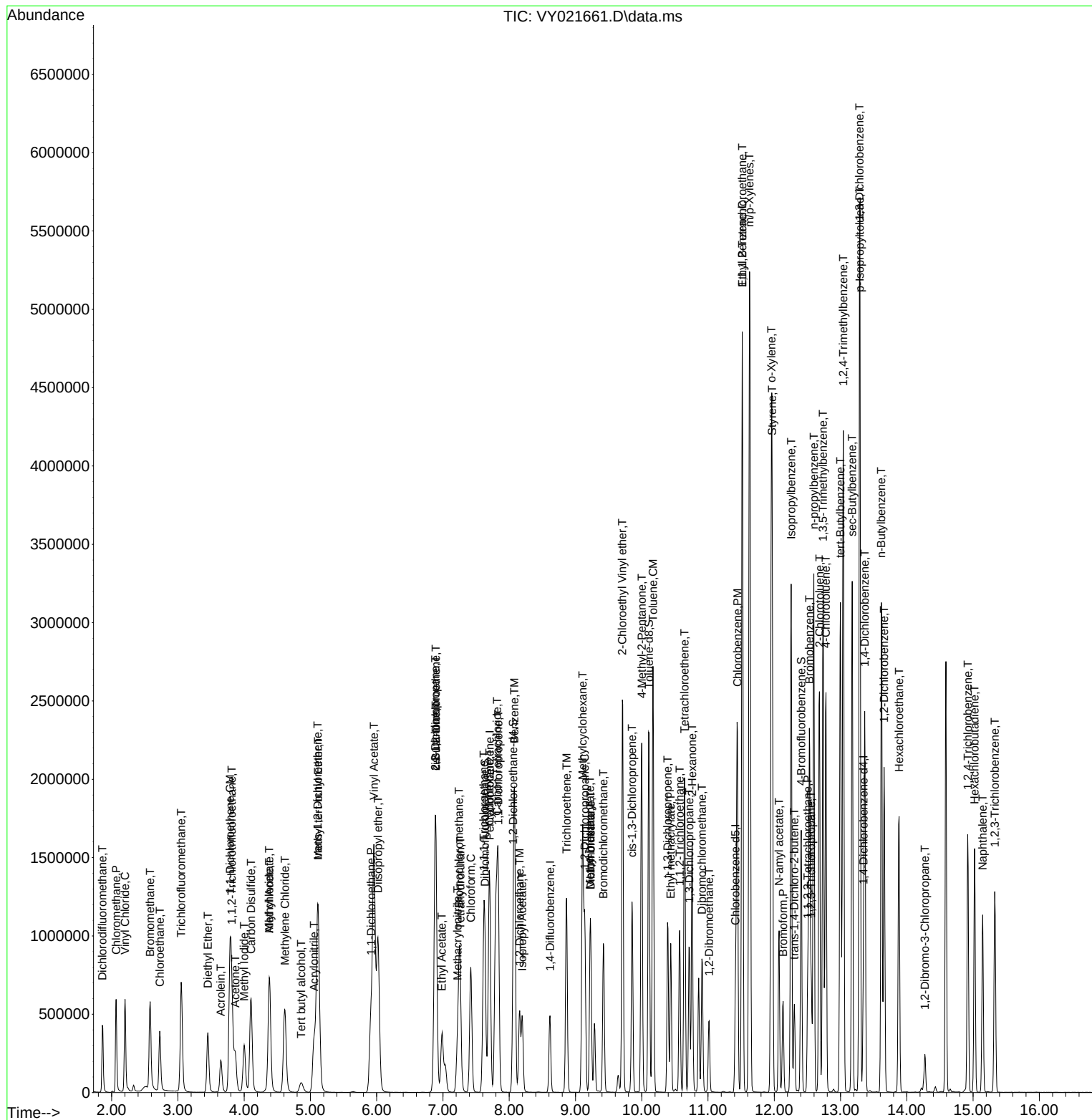
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Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

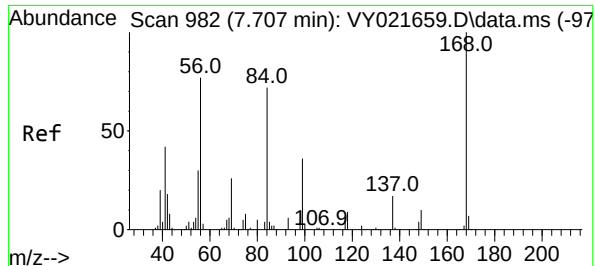
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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





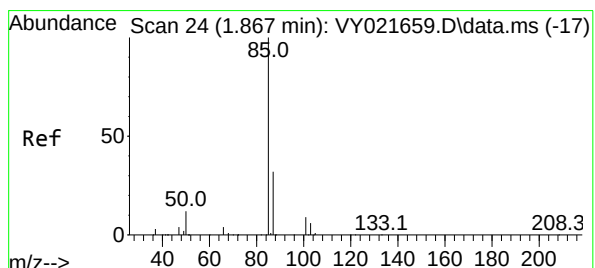
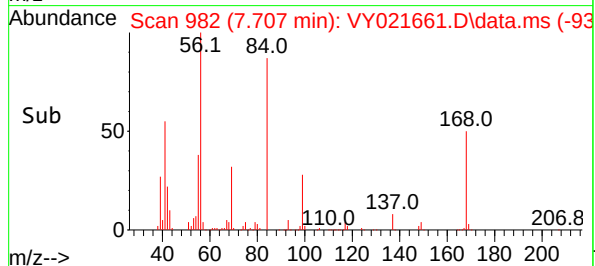
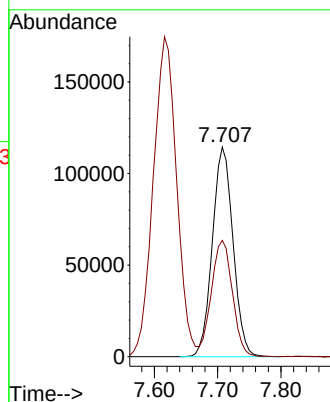
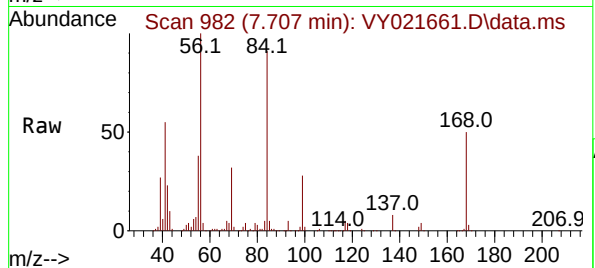
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:168 Resp: 259670
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1

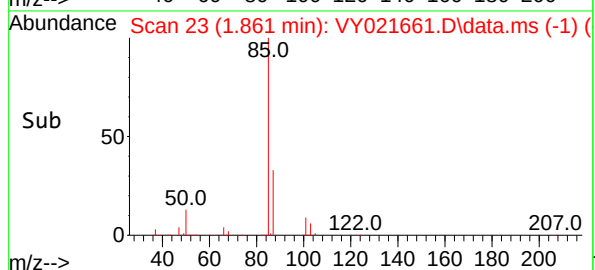
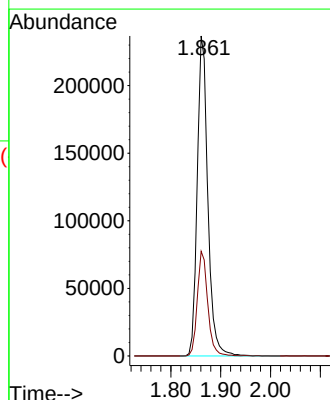
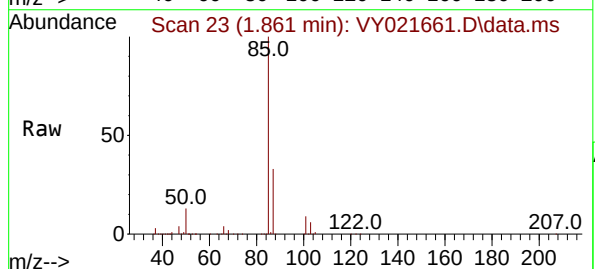
Manual Integrations
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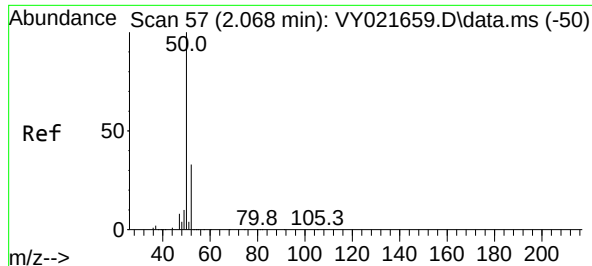
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#2
Dichlorodifluoromethane
Concen: 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

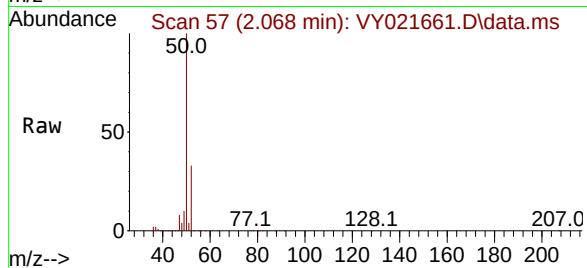
Tgt Ion: 85 Resp: 348314
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6





#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

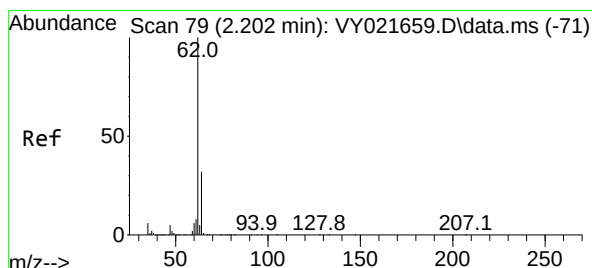
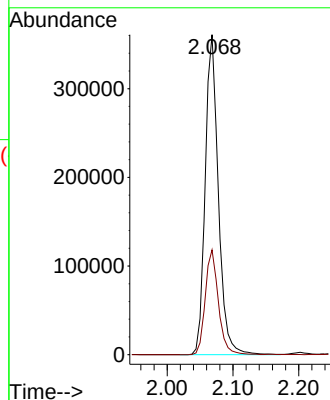
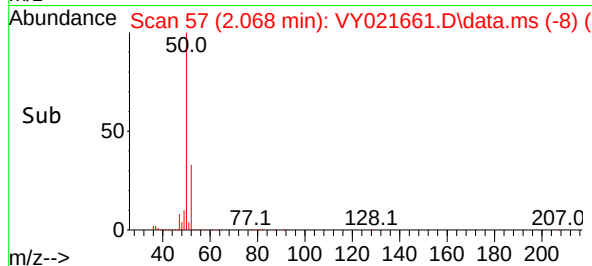
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 501654
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

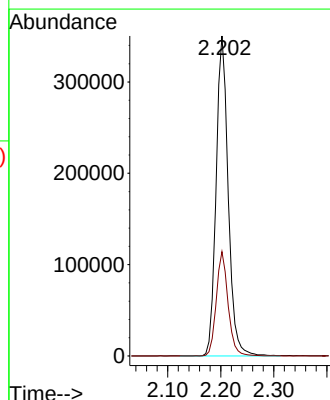
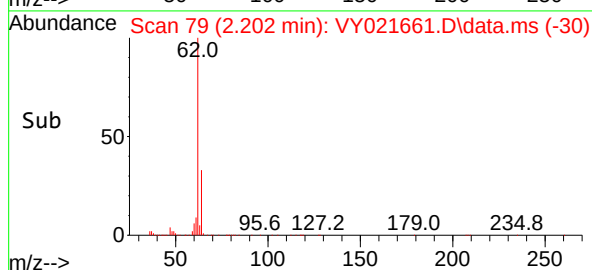
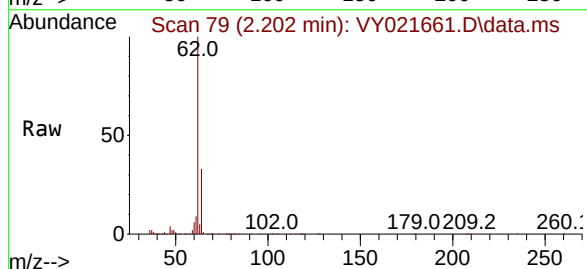
Manual Integrations
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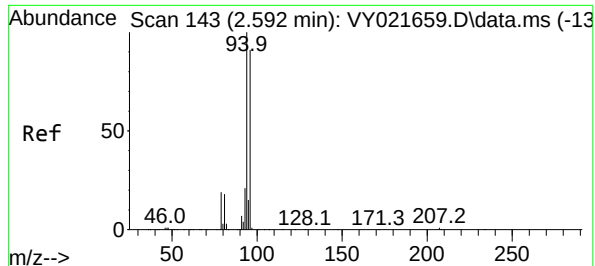
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#4
Vinyl Chloride
Concen: 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

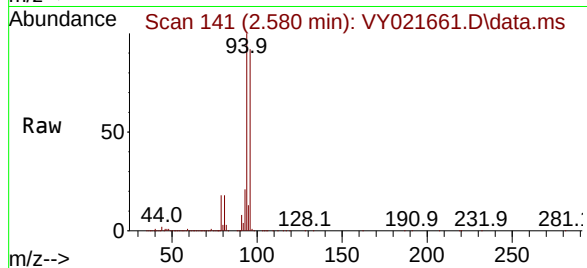
Tgt Ion: 62 Resp: 555909
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3





#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

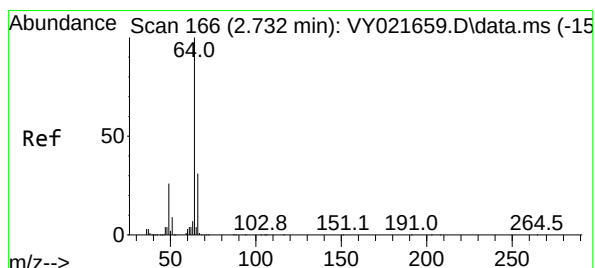
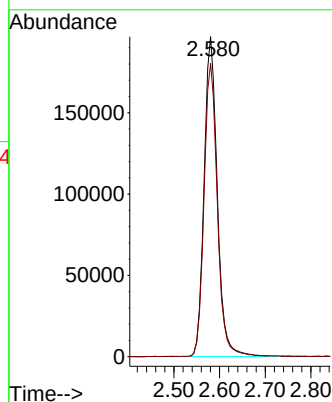
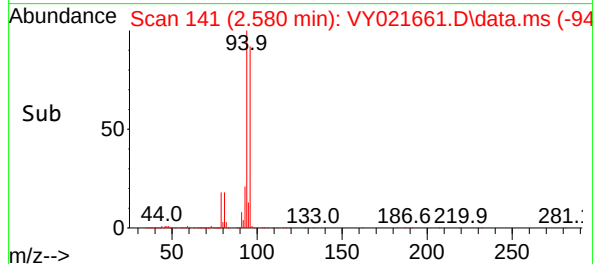
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 394188
Ion Ratio Lower Upper
94 100
96 91.6 72.8 109.2

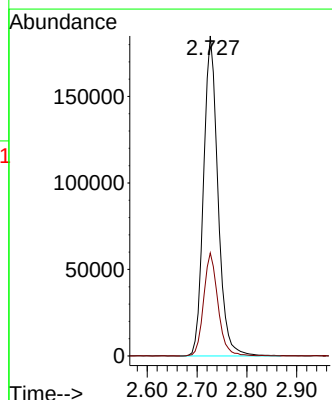
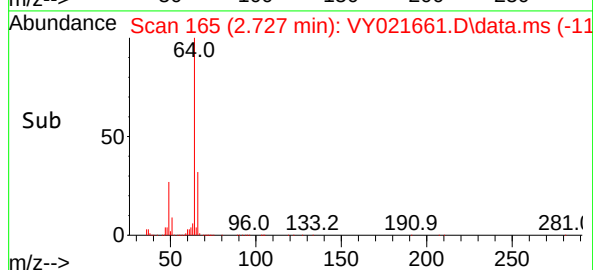
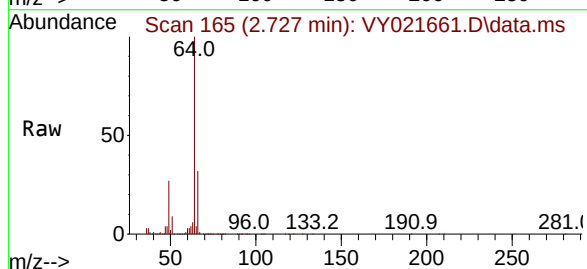
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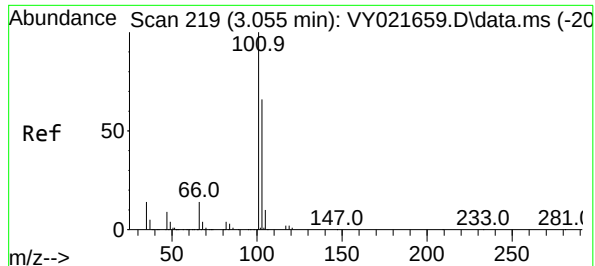
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

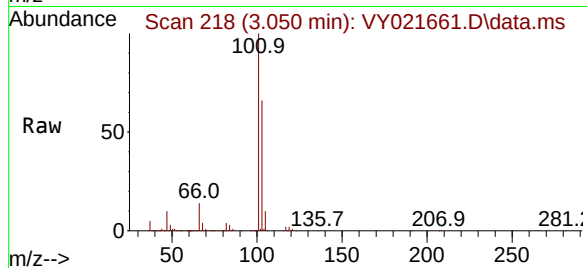
Tgt Ion: 64 Resp: 370633
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3





#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

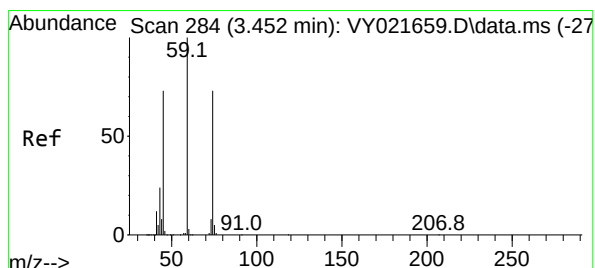
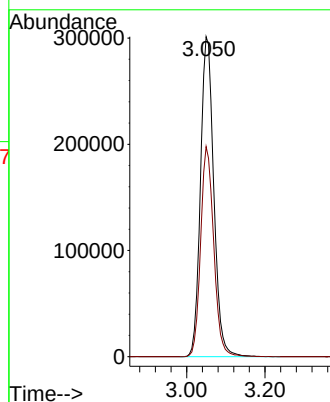
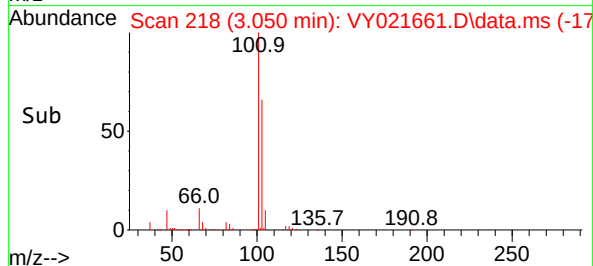
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 712314
Ion Ratio Lower Upper
101 100
103 65.6 53.1 79.7

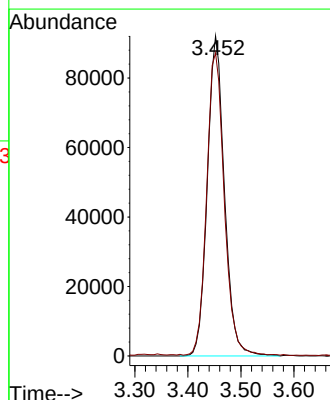
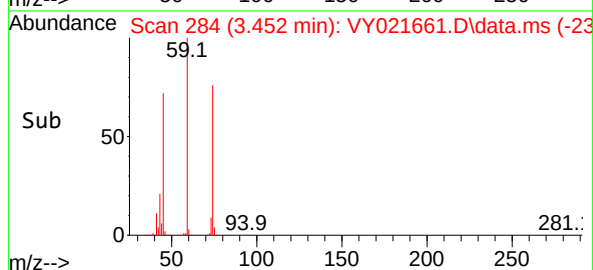
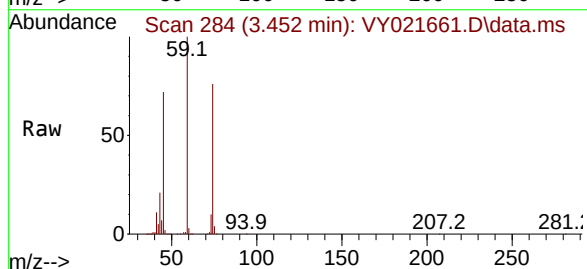
Manual Integrations
APPROVED

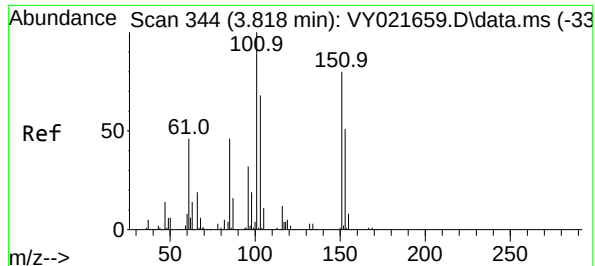
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

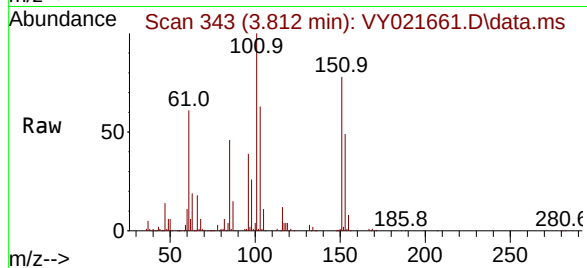
Tgt Ion: 74 Resp: 206844
Ion Ratio Lower Upper
74 100
45 96.9 48.6 145.8





#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

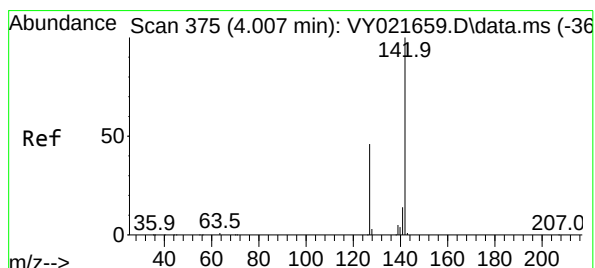
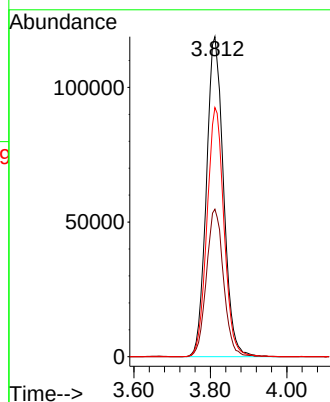
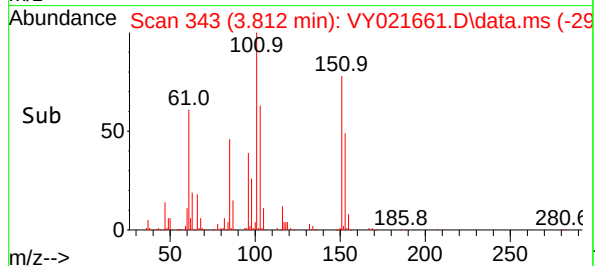
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



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

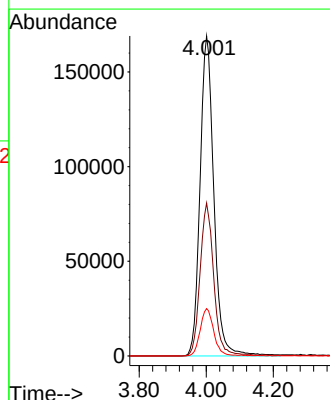
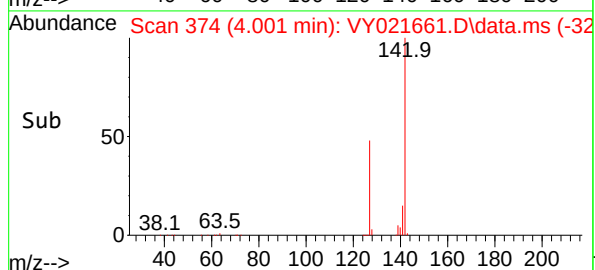
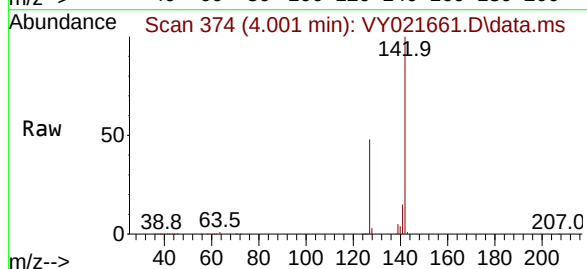
Manual Integrations
APPROVED

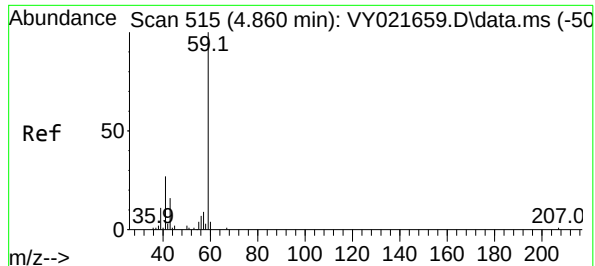
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC150

Tgt Ion: 59 Resp: 12657

Ion Ratio Lower Upper

59 100

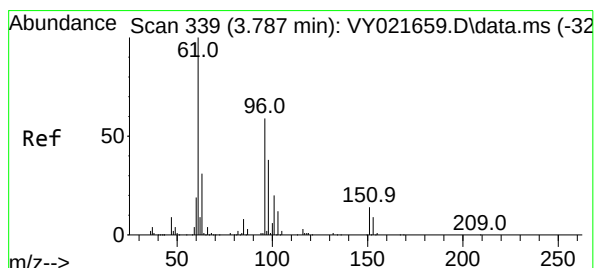
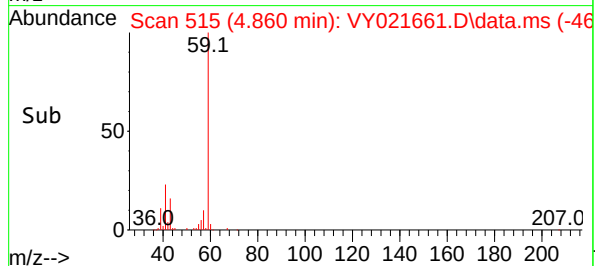
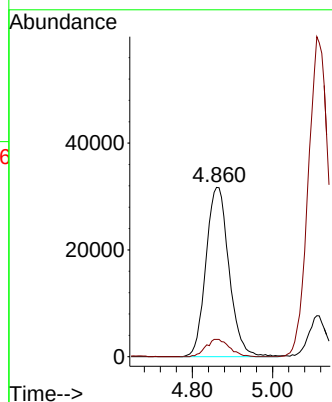
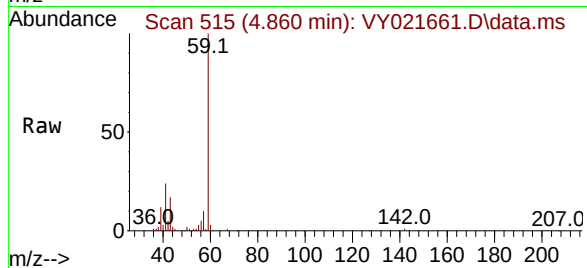
57 10.5 9.2 13.8

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: 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

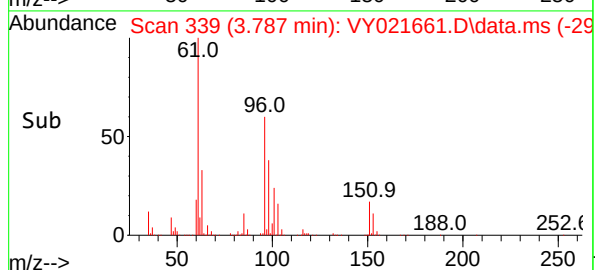
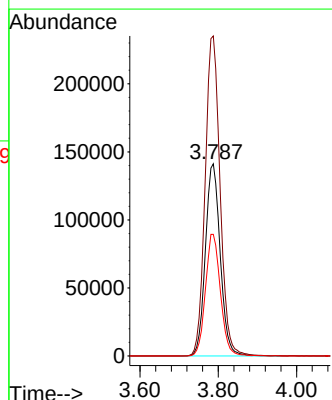
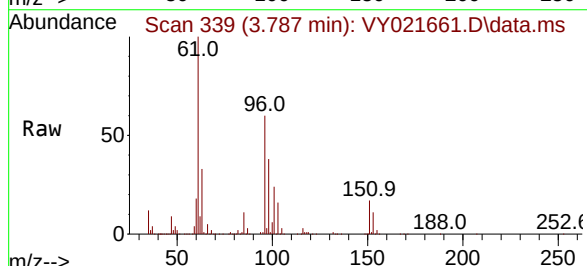
Tgt Ion: 96 Resp: 371412

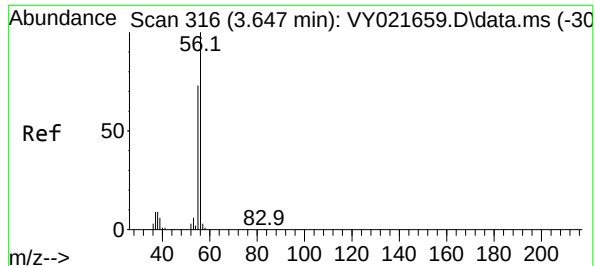
Ion Ratio Lower Upper

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

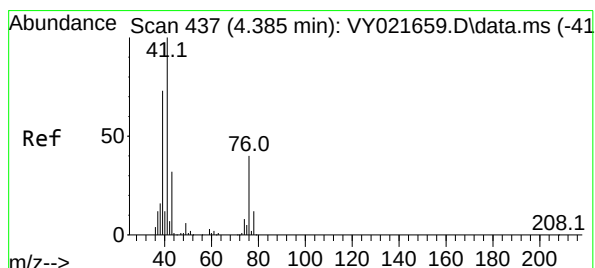
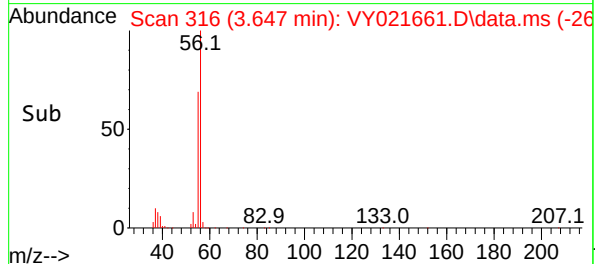
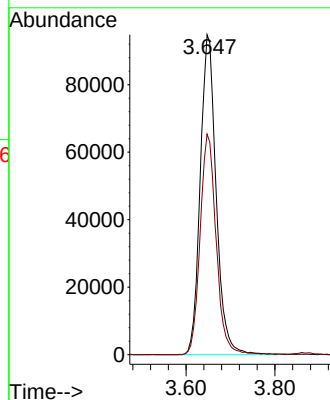
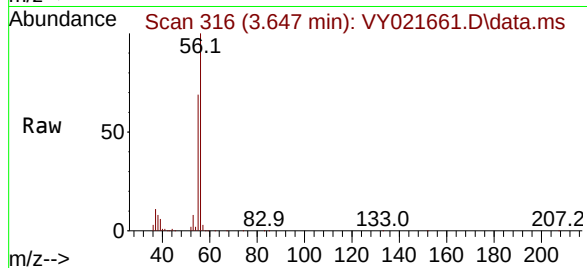
Ion Ratio Lower Upper

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

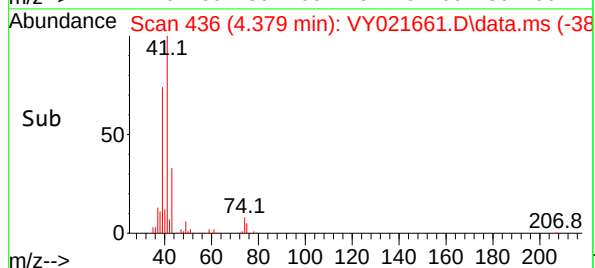
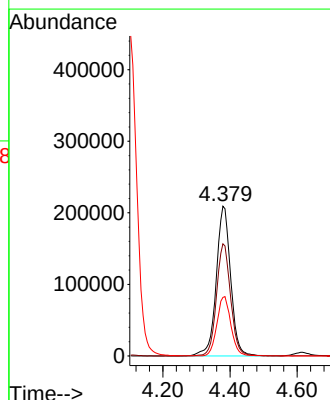
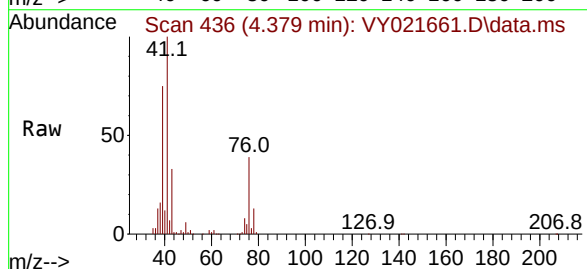
Tgt Ion: 41 Resp: 623865

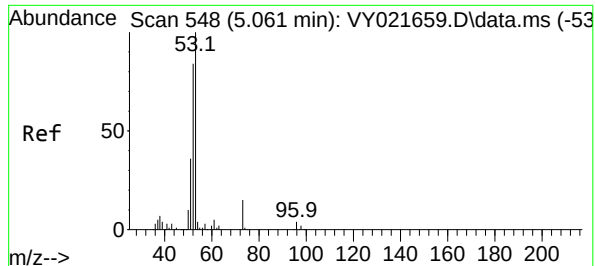
Ion Ratio Lower Upper

41 100

39 73.5 58.6 88.0

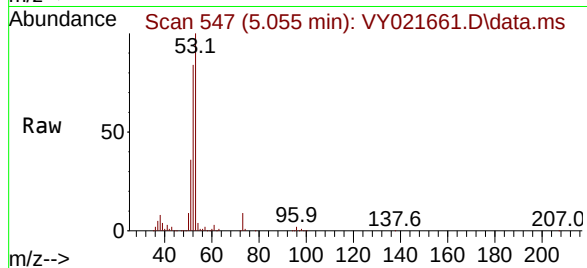
76 38.2 30.3 45.5





#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

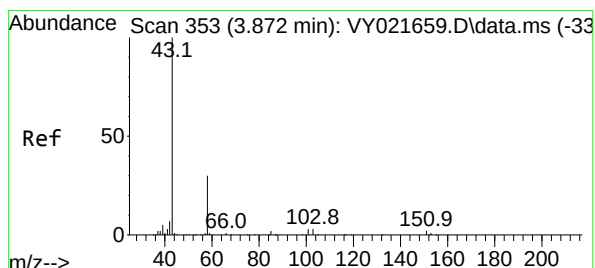
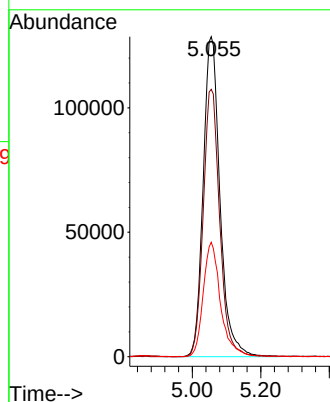
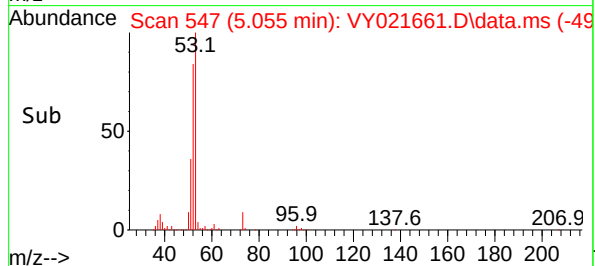
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



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

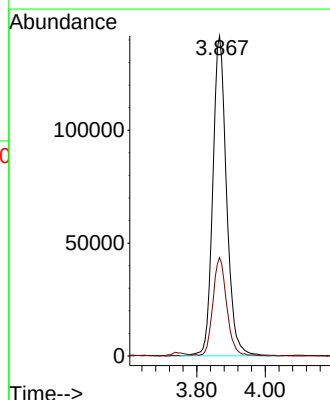
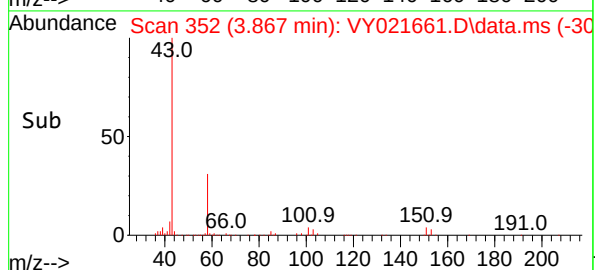
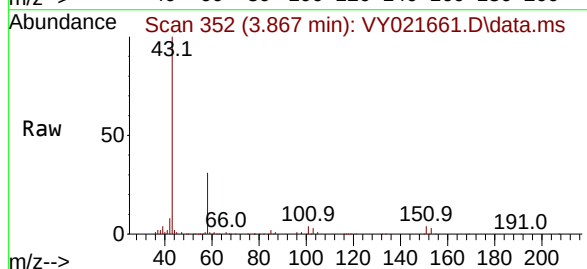
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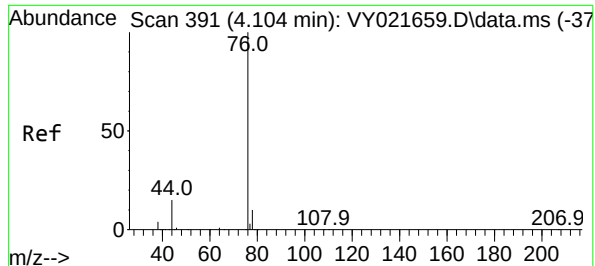
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





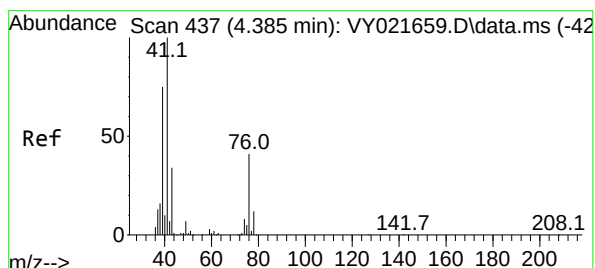
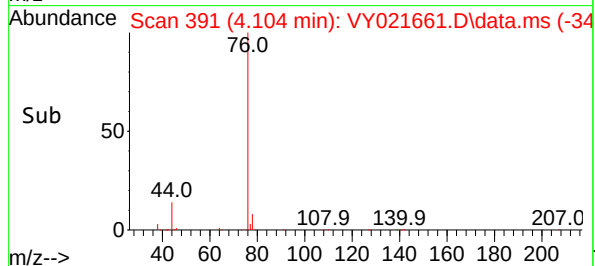
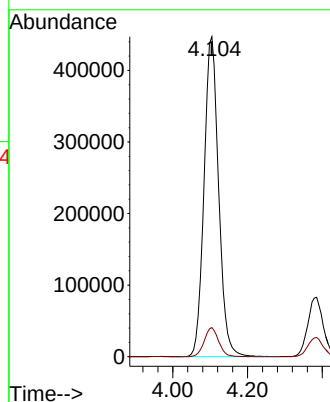
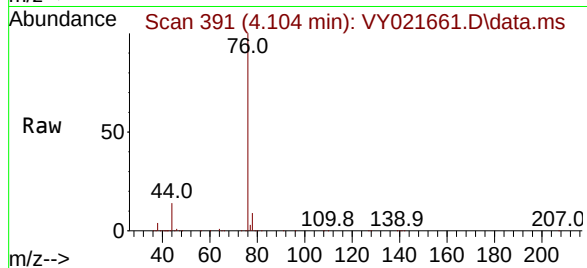
#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1209290
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

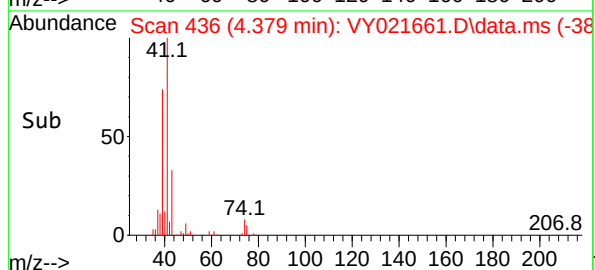
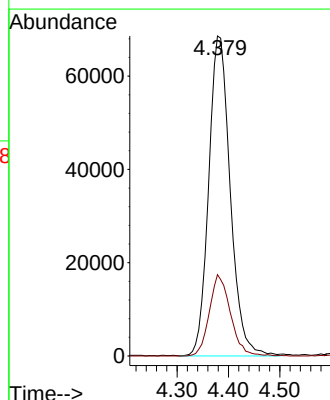
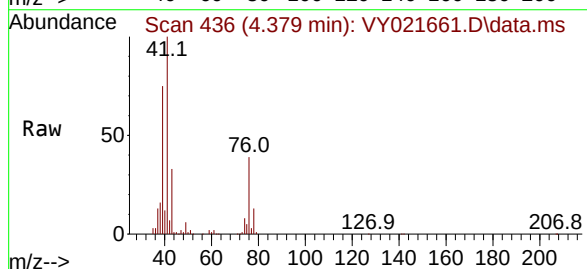
Manual Integrations
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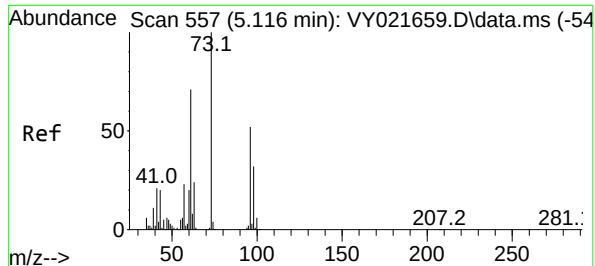
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC150

Tgt Ion: 73 Resp: 1006150

Ion Ratio Lower Upper

73 100

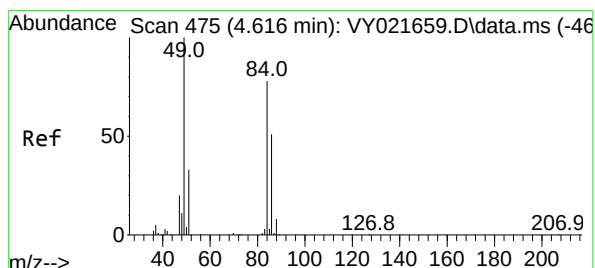
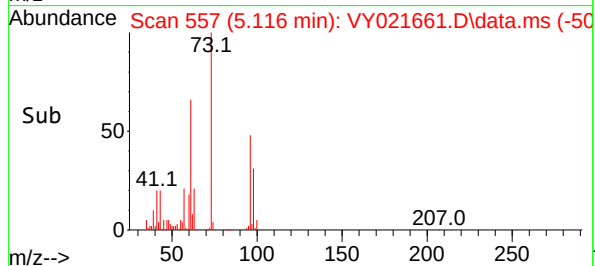
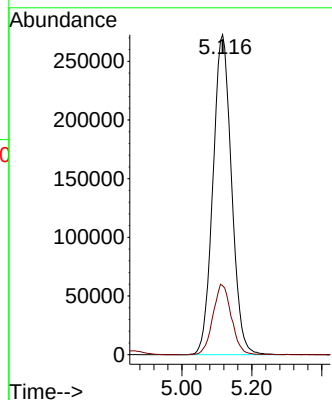
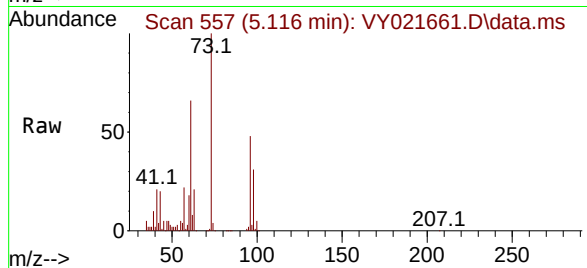
57 21.6 18.1 27.1

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

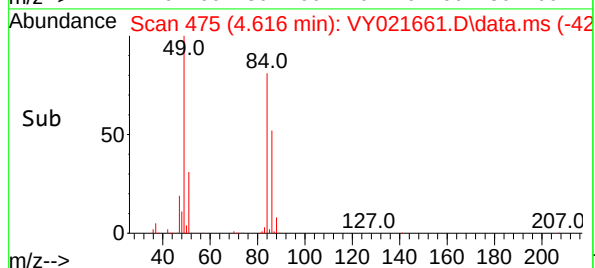
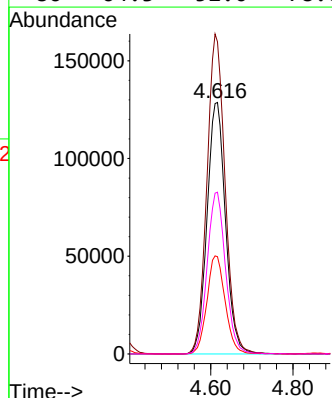
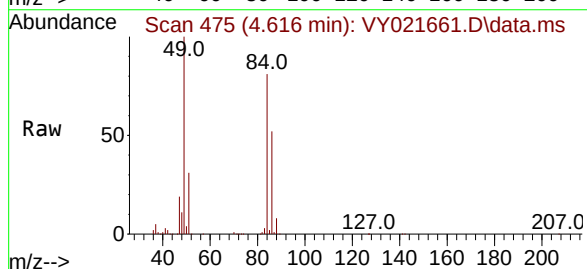
Ion Ratio Lower Upper

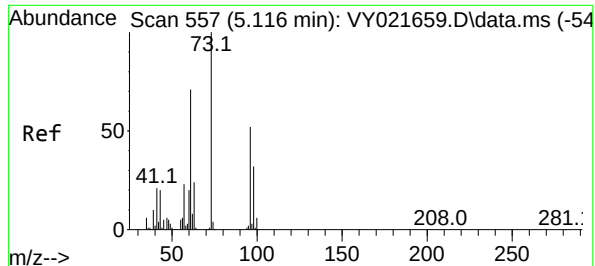
84 100

49 124.1 102.8 154.2

51 38.6 33.5 50.3

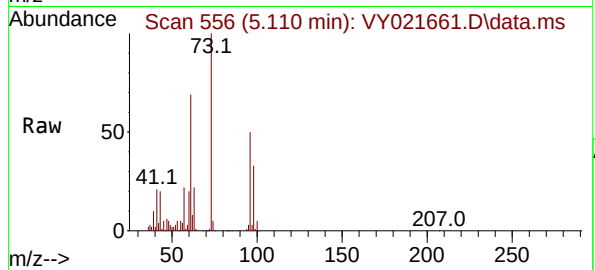
86 64.3 52.0 78.0





#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

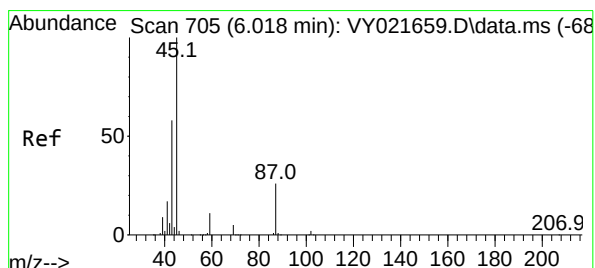
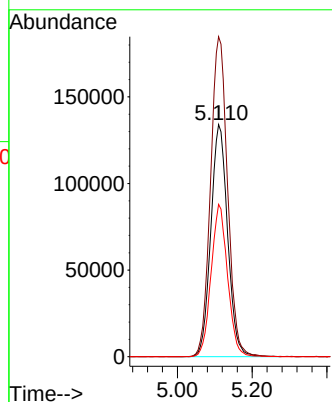
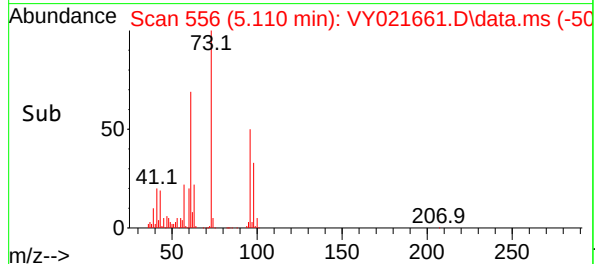
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



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

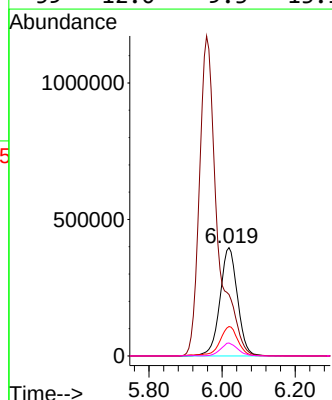
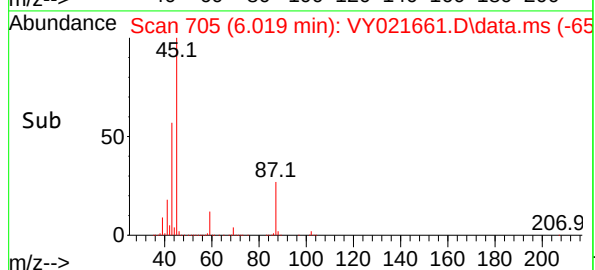
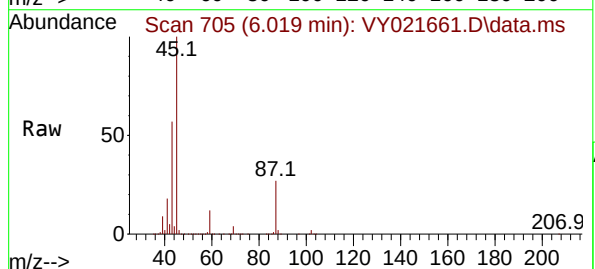
Manual Integrations
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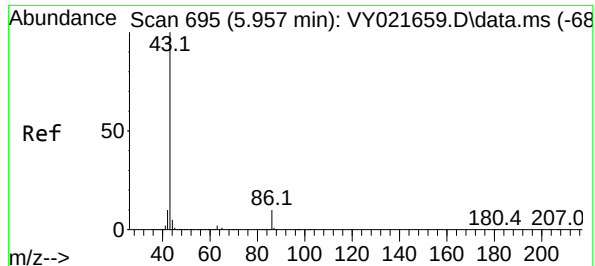
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

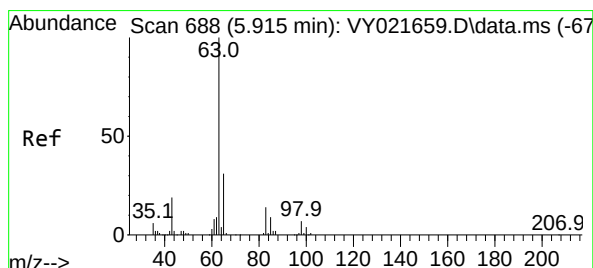
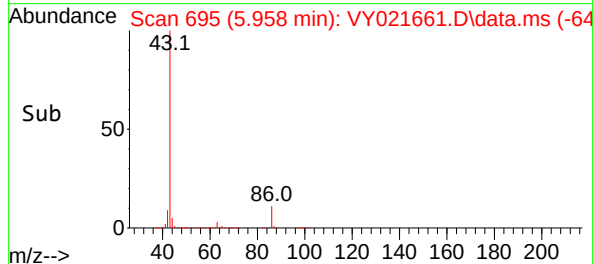
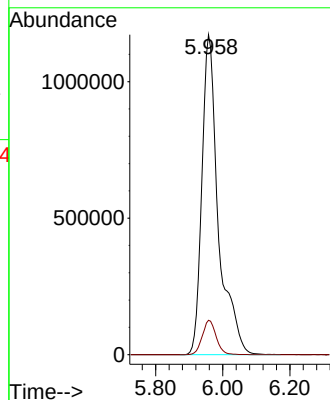
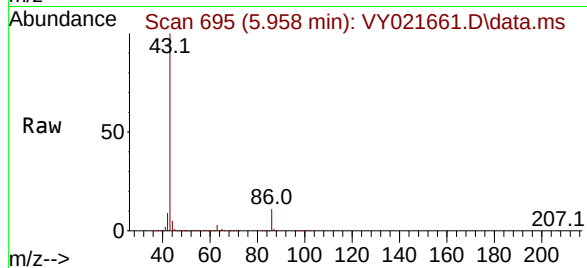
Ion Ratio Lower Upper

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

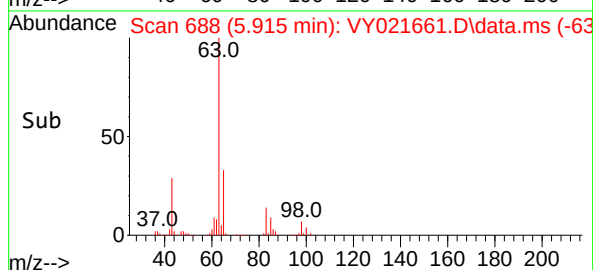
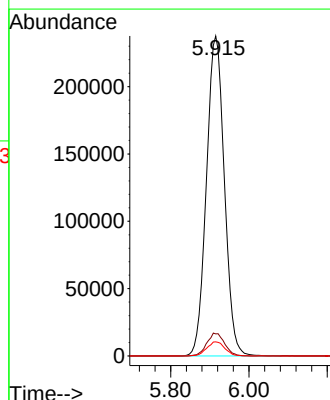
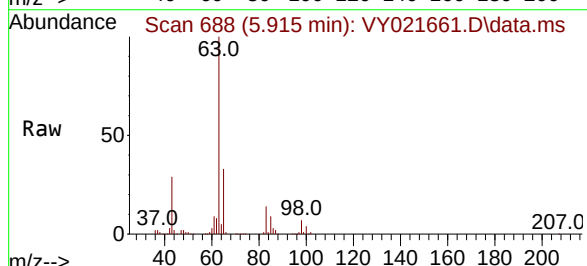
Tgt Ion: 63 Resp: 753930

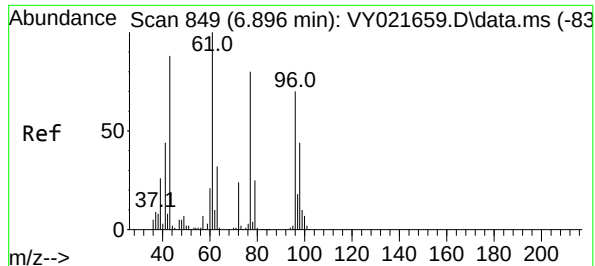
Ion Ratio Lower Upper

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

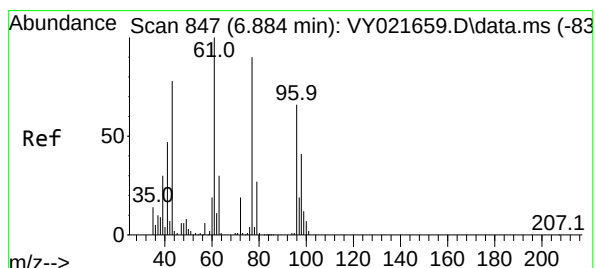
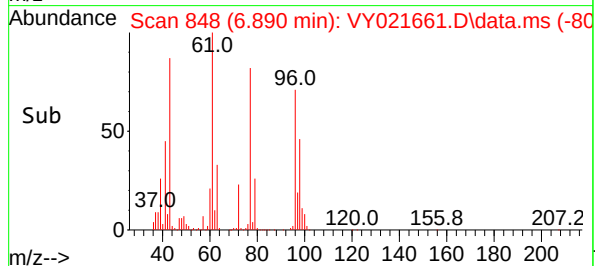
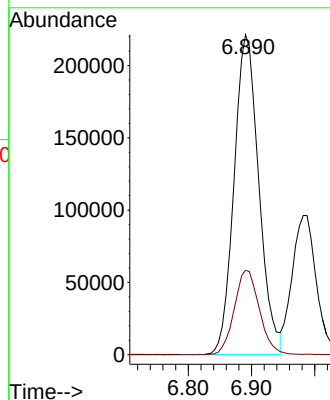
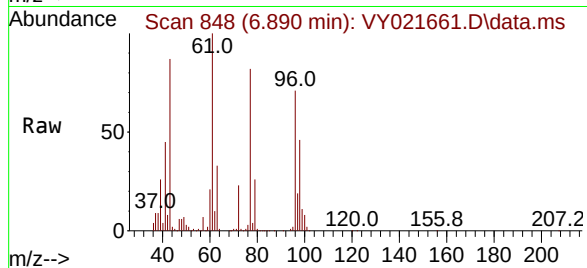
72 26.4 21.4 32.2

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

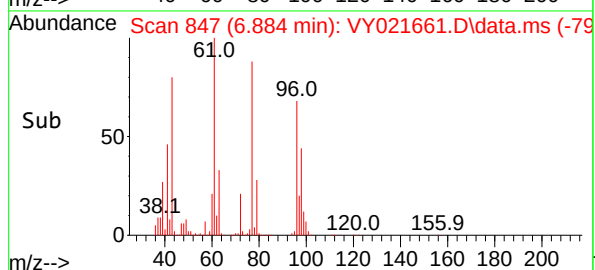
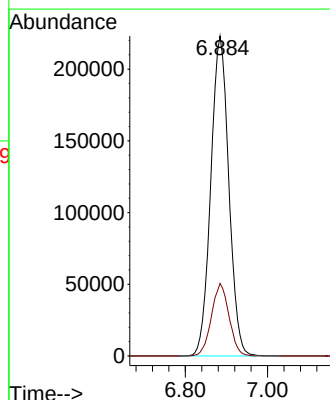
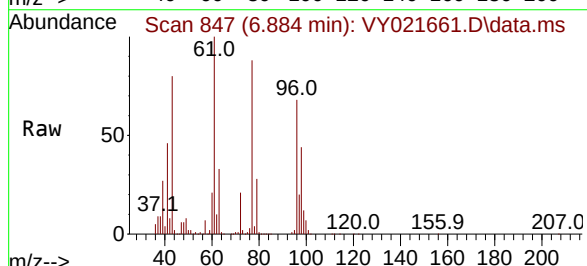
Acq: 27 Mar 2025 12:02

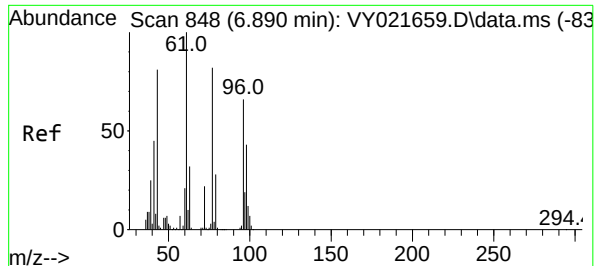
Tgt Ion: 77 Resp: 678134

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 :

VSTDIC150

Tgt Ion: 96 Resp: 490349

Ion Ratio Lower Upper

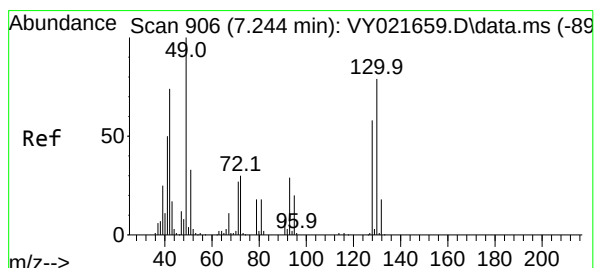
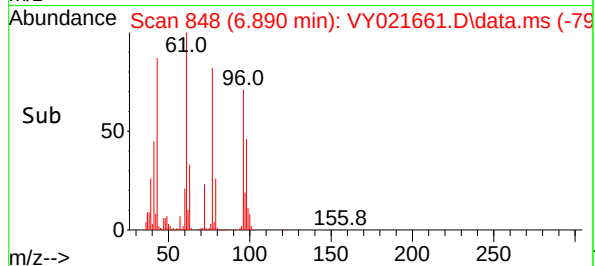
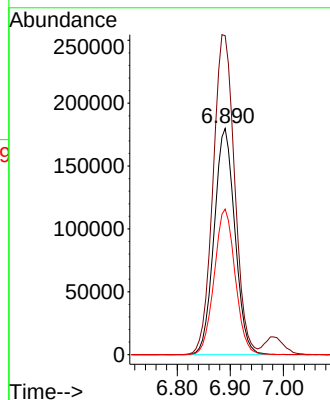
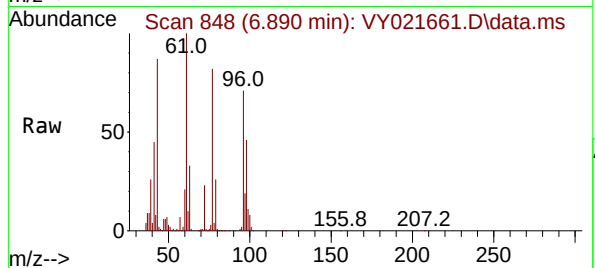
96 100

61 146.8 0.0 296.4

98 64.9 0.0 128.0

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

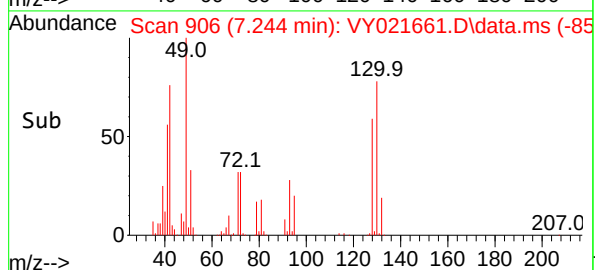
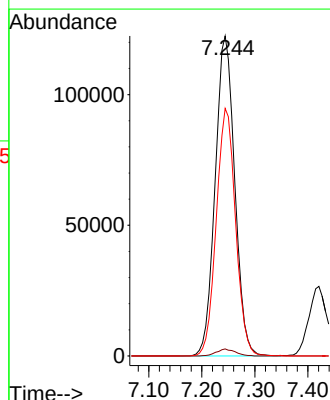
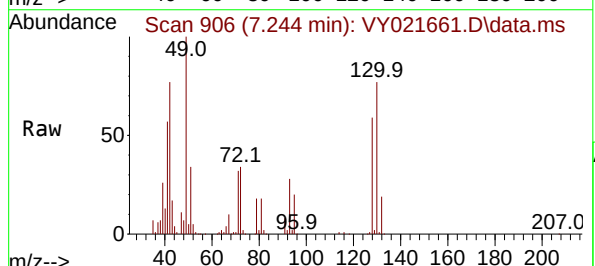
Tgt Ion: 49 Resp: 313542

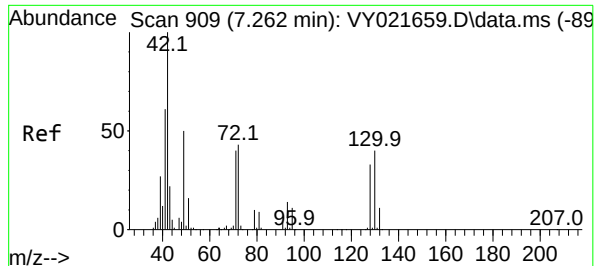
Ion Ratio Lower Upper

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

Client Sample Id :

VSTDIC150

Tgt Ion: 42 Resp: 37941

Ion Ratio Lower Upper

42 100

72 44.1 34.6 52.0

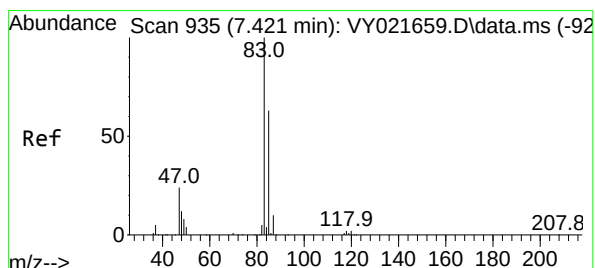
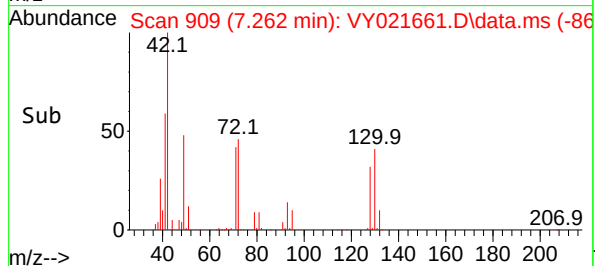
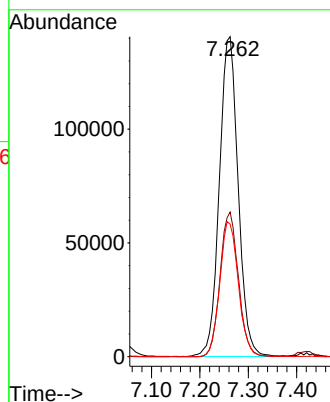
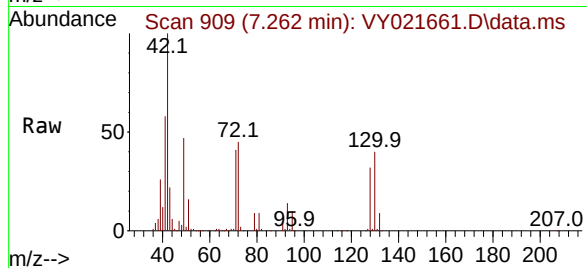
71 41.9 32.5 48.7

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

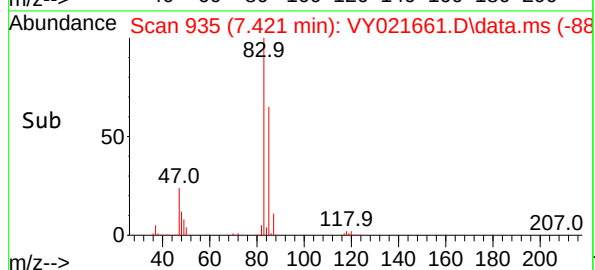
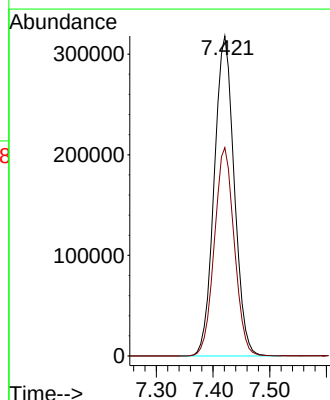
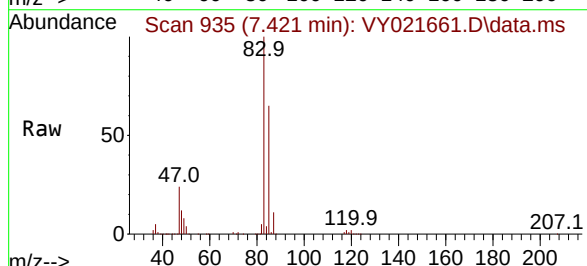
Acq: 27 Mar 2025 12:02

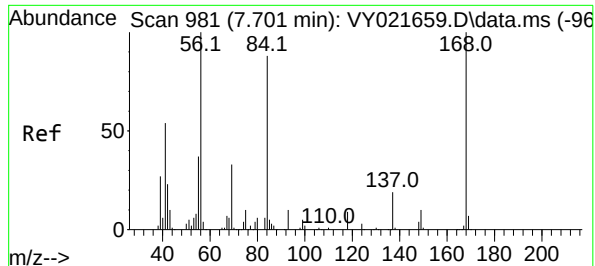
Tgt Ion: 83 Resp: 779319

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

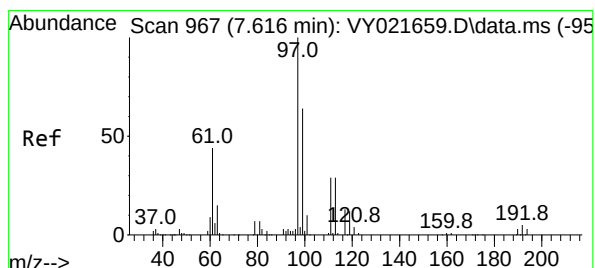
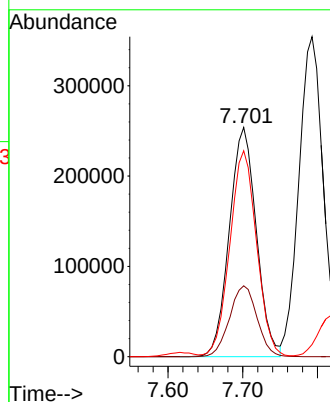
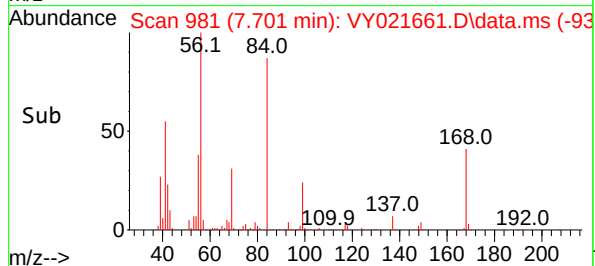
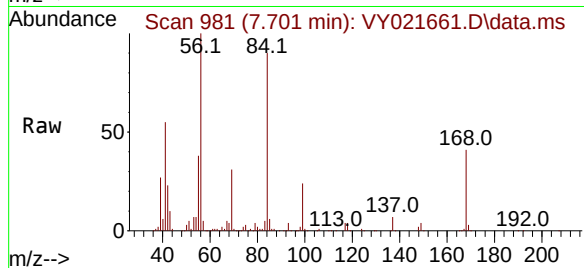
56 100

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

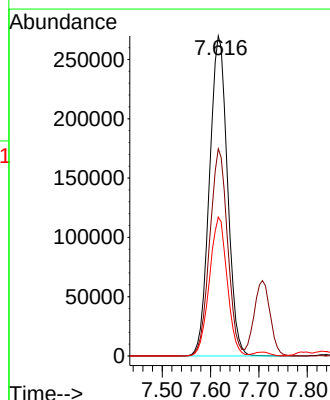
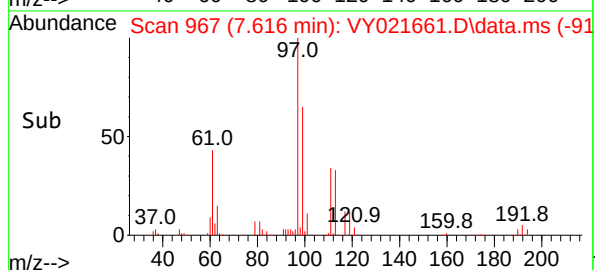
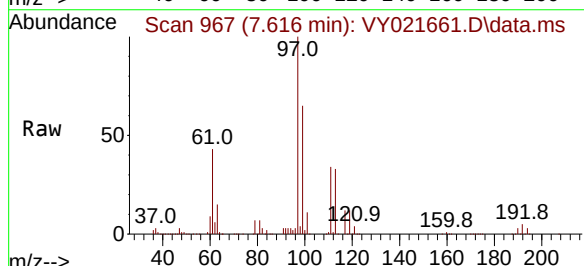
Tgt Ion: 97 Resp: 696016

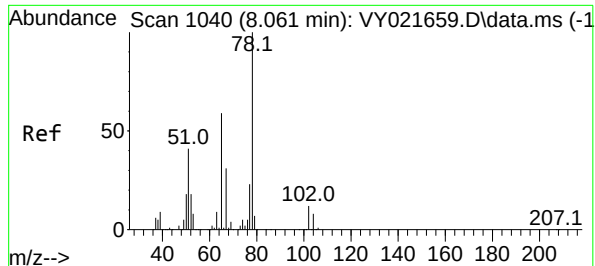
Ion Ratio Lower Upper

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: 404952

Ion Ratio Lower Upper

65 100

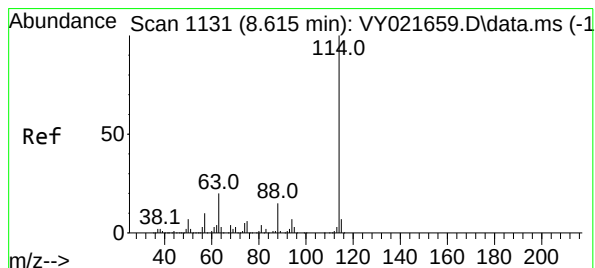
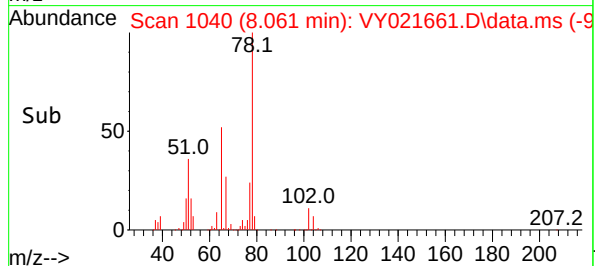
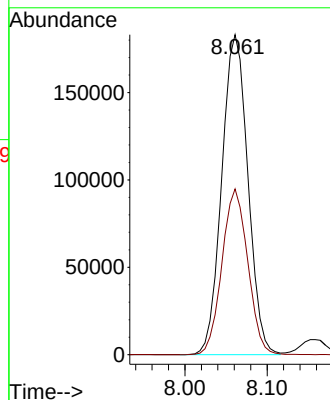
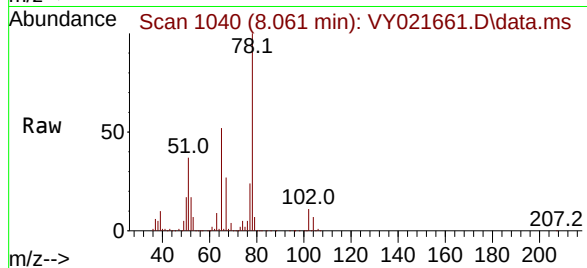
67 51.1 0.0 104.6

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

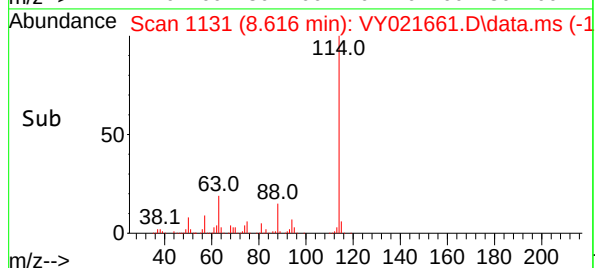
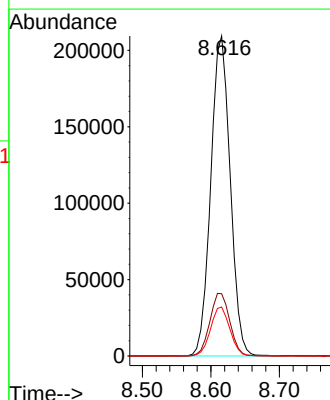
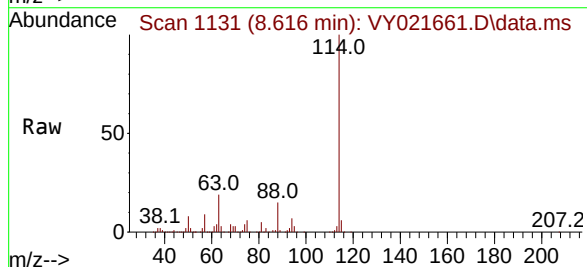
Tgt Ion:114 Resp: 412304

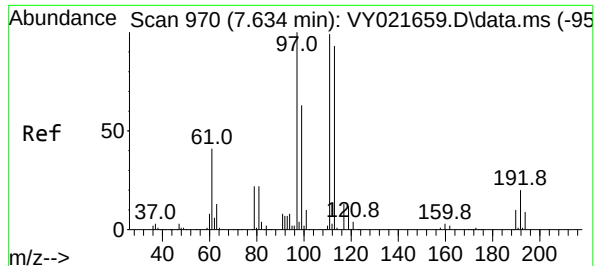
Ion Ratio Lower Upper

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 :

VSTDIC150

Tgt Ion:113 Resp: 387439

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

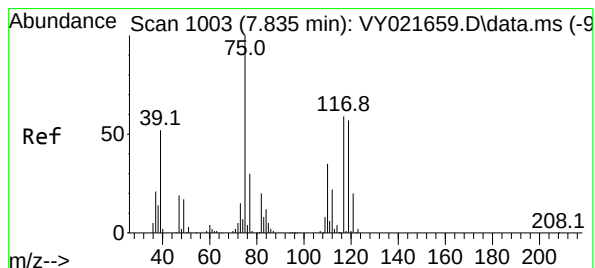
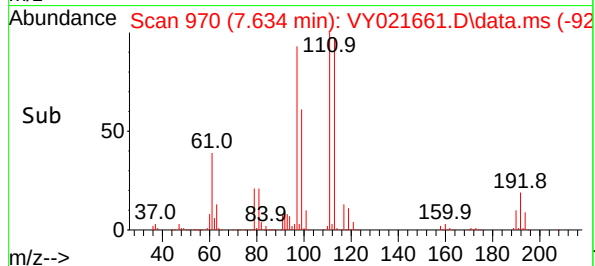
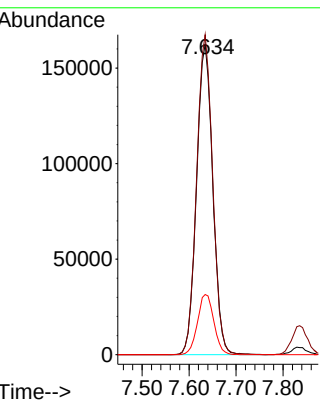
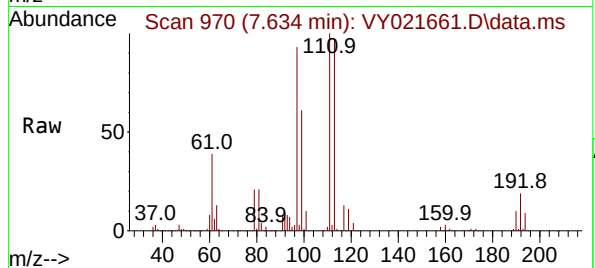
192 19.6 16.2 24.4

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

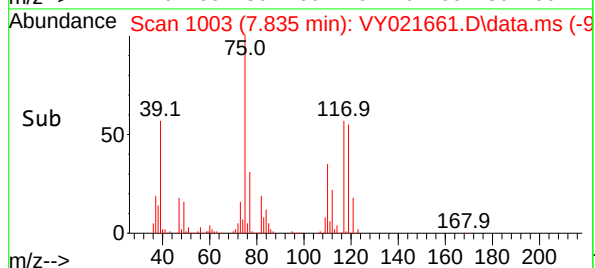
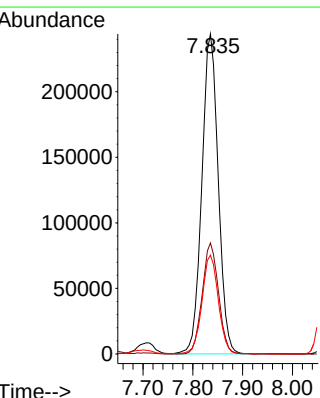
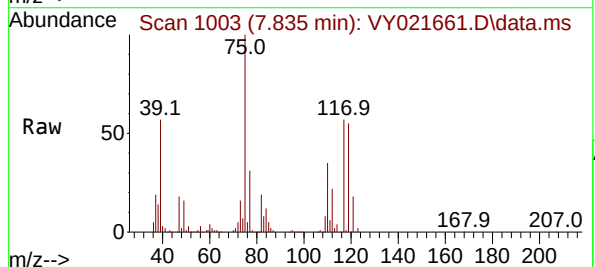
Tgt Ion: 75 Resp: 556974

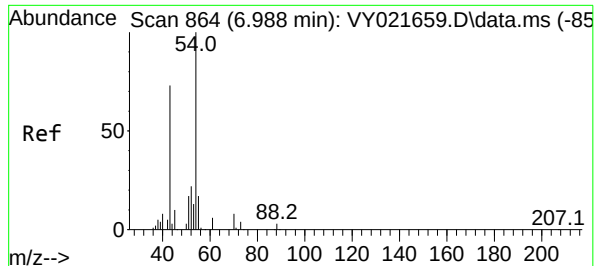
Ion Ratio Lower Upper

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

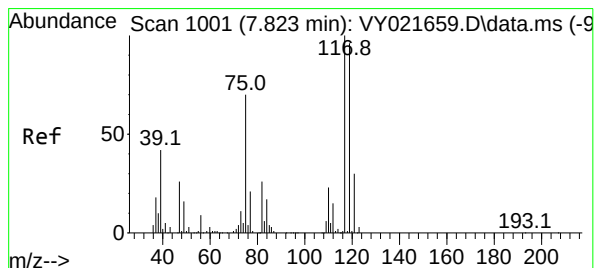
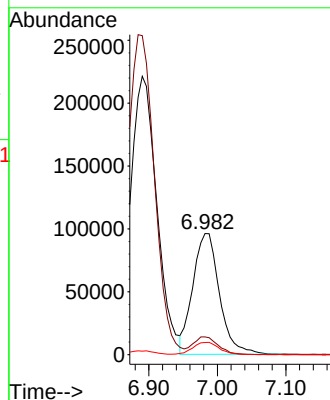
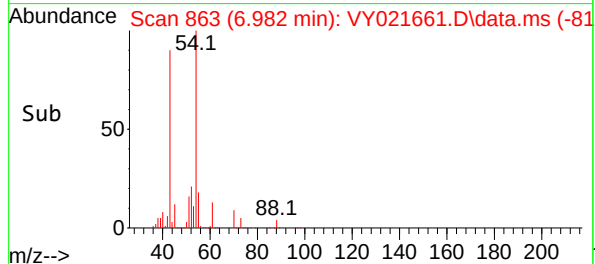
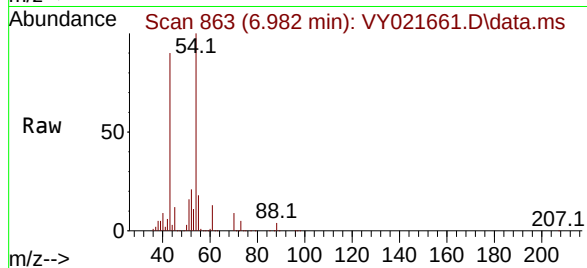
70 10.3 8.1 12.1

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

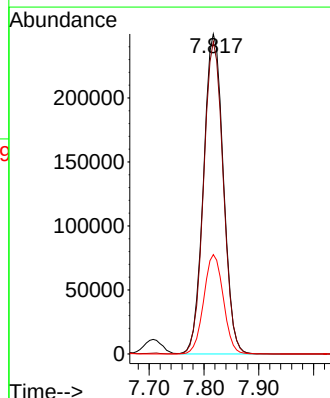
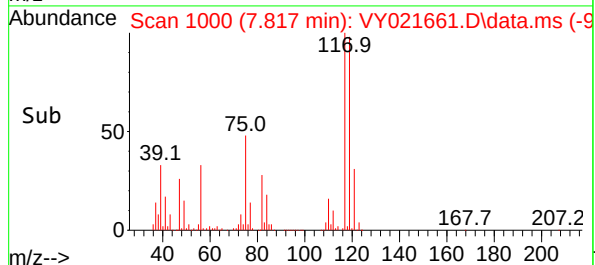
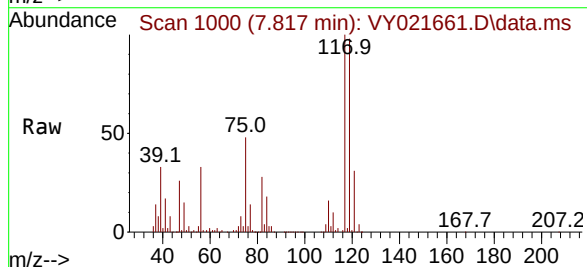
Tgt Ion:117 Resp: 627331

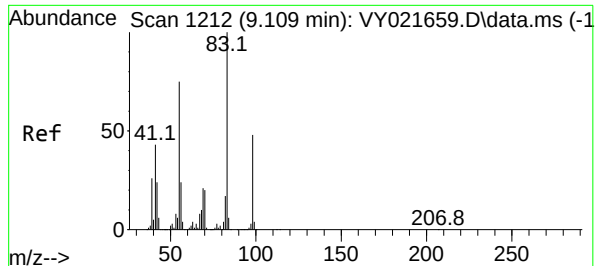
Ion Ratio Lower Upper

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

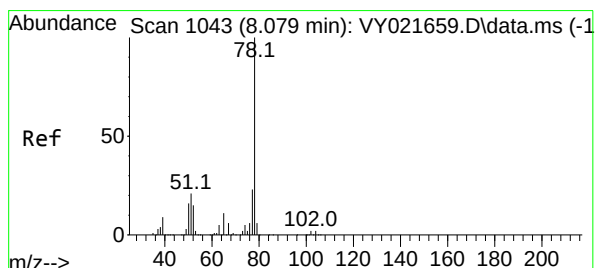
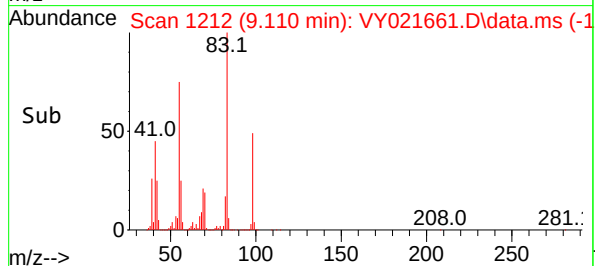
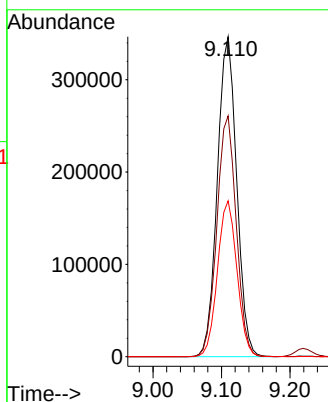
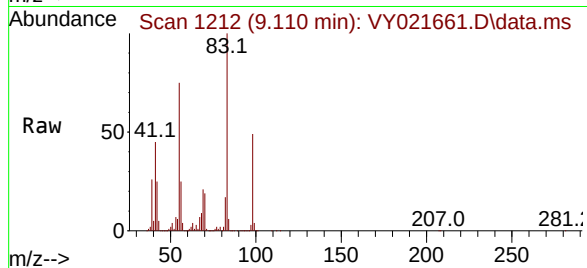
98 48.7 38.3 57.5

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

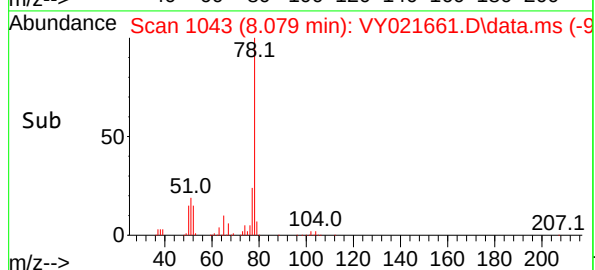
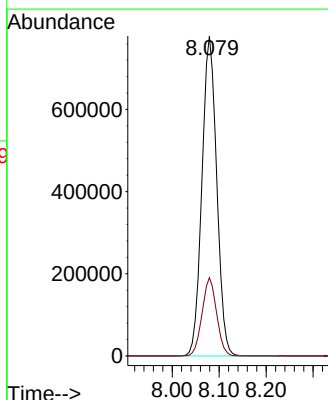
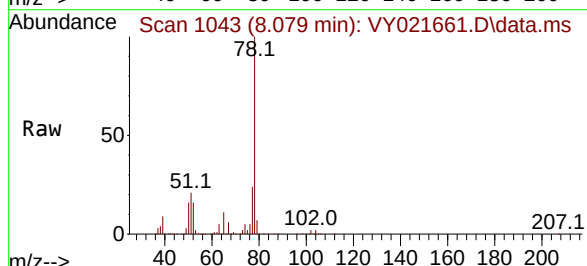
Acq: 27 Mar 2025 12:02

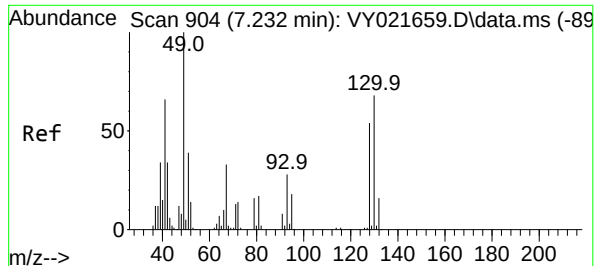
Tgt Ion: 78 Resp: 1695962

Ion Ratio Lower Upper

78 100

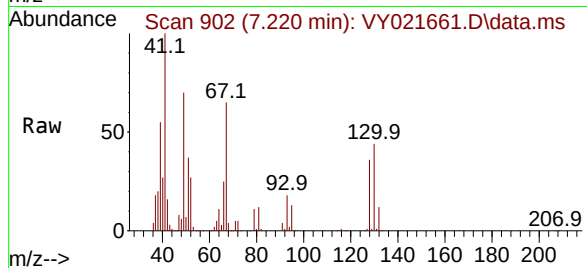
77 24.4 18.8 28.2





#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

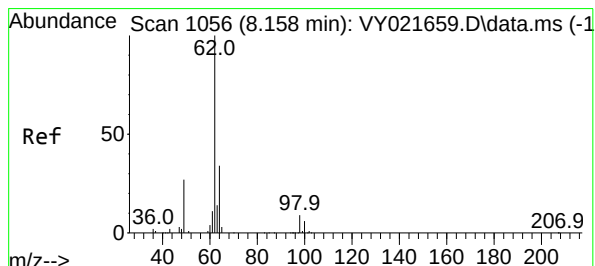
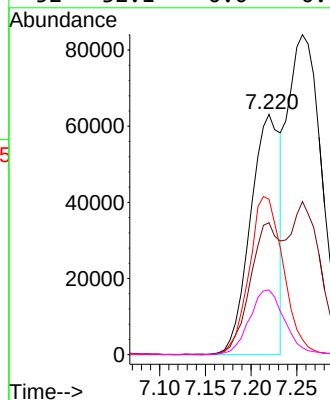
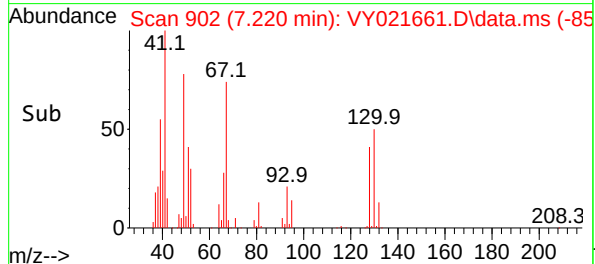
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

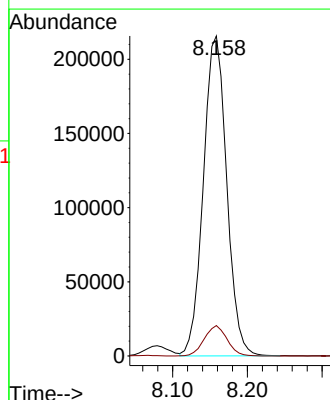
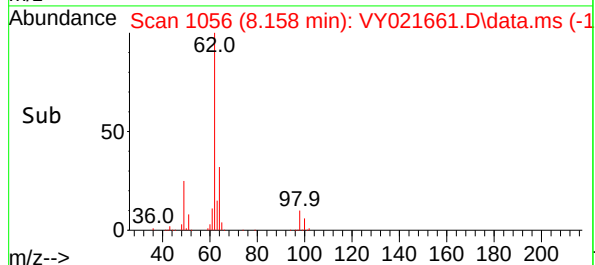
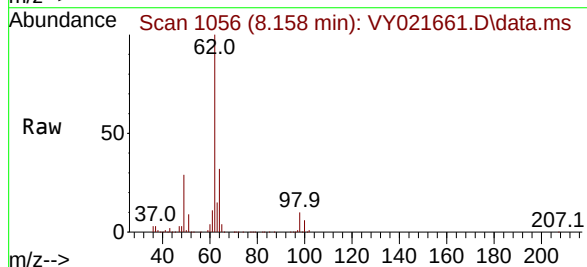
Manual Integrations
APPROVED

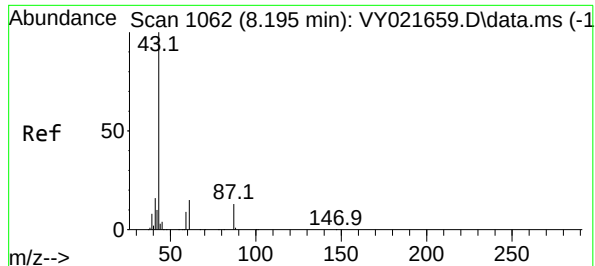
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC150

Tgt Ion: 43 Resp: 527310

Ion Ratio Lower Upper

43 100

61 29.7 15.9 23.9

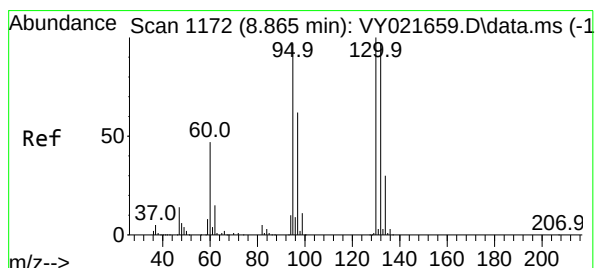
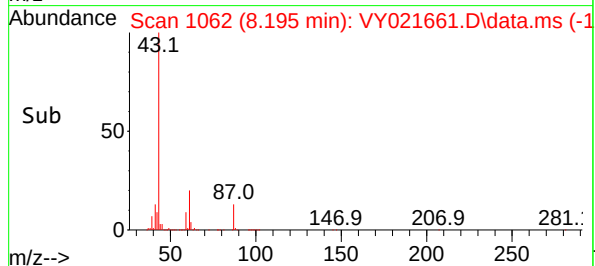
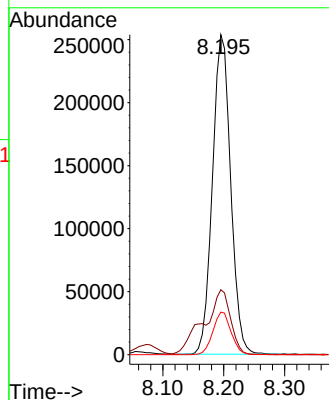
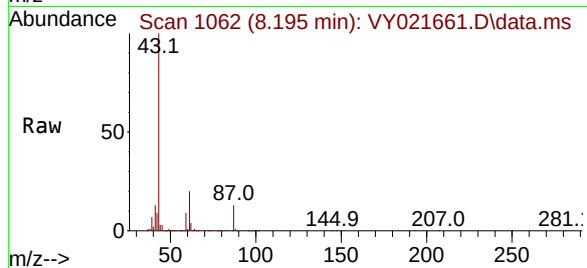
87 13.3 10.4 15.6

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

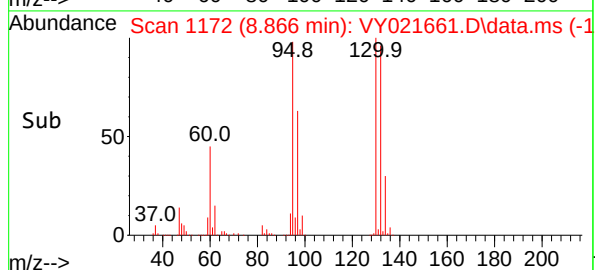
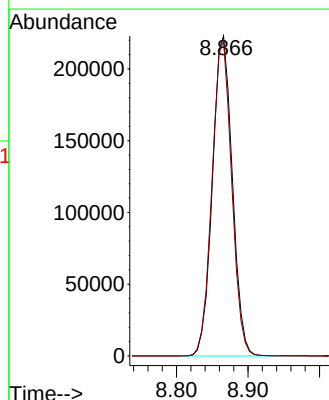
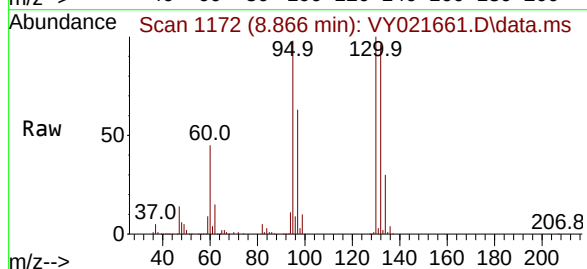
Acq: 27 Mar 2025 12:02

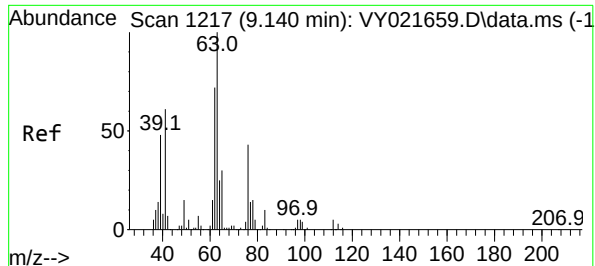
Tgt Ion:130 Resp: 430629

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

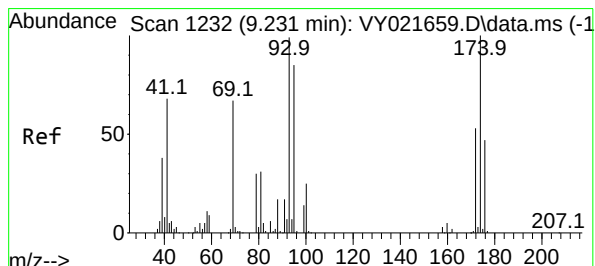
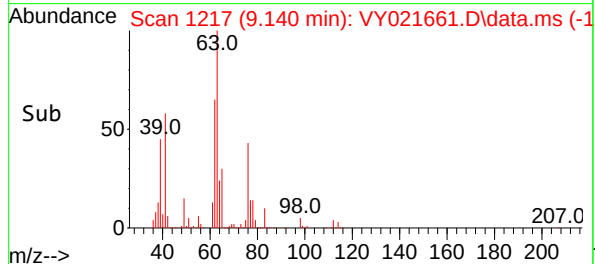
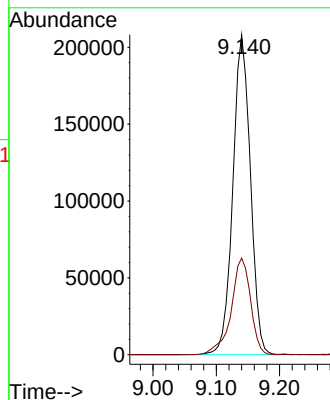
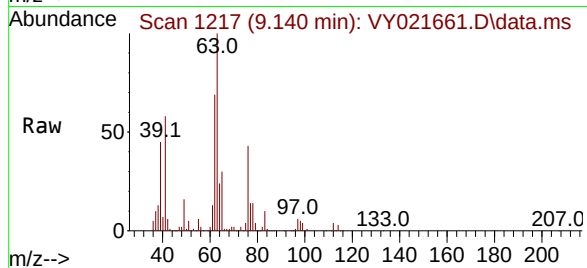
65 30.2 24.4 36.6

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

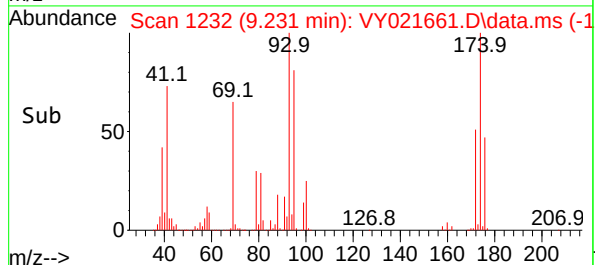
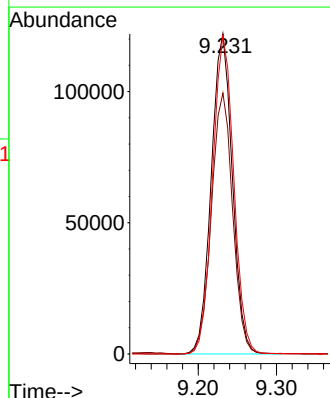
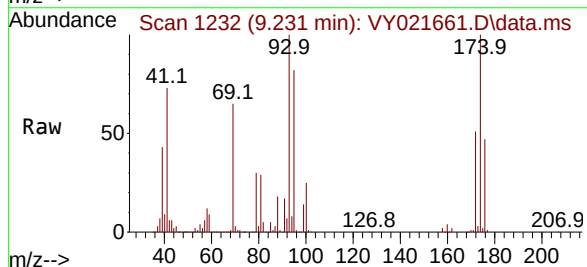
Tgt Ion: 93 Resp: 228287

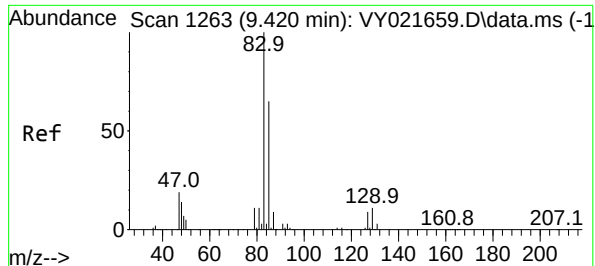
Ion Ratio Lower Upper

93 100

95 82.1 68.1 102.1

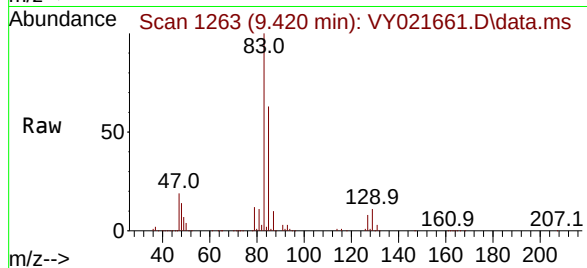
174 99.7 80.9 121.3





#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

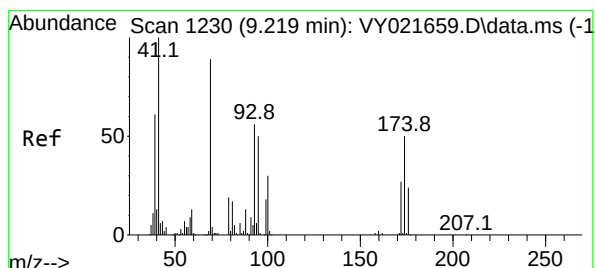
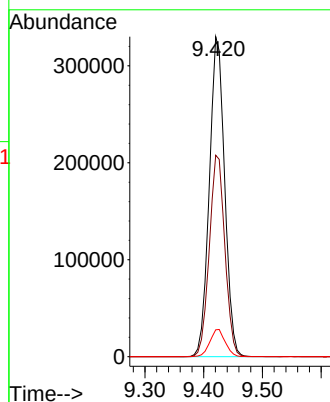
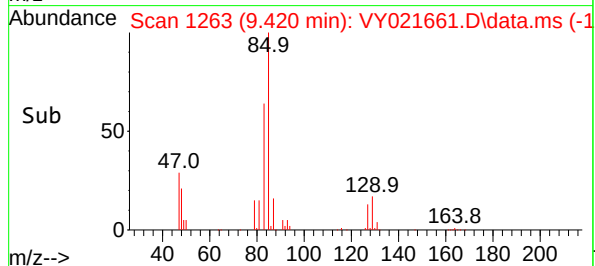
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

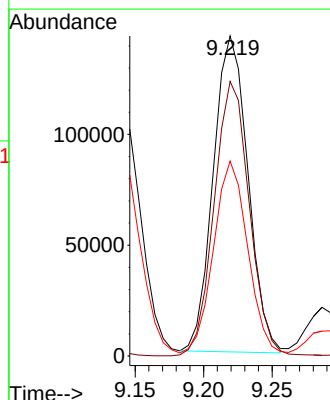
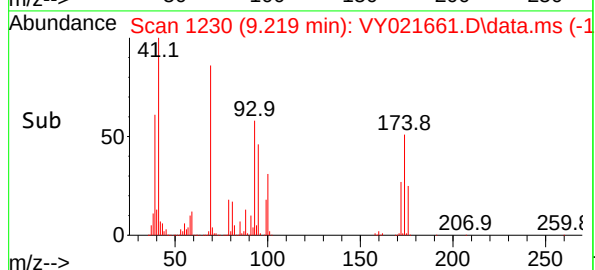
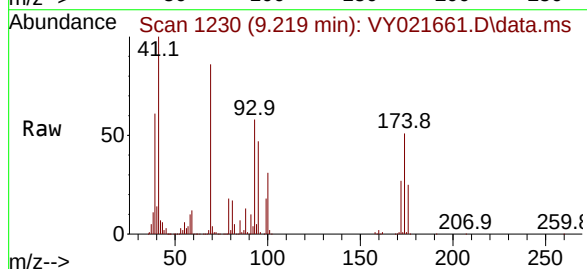
Manual Integrations
APPROVED

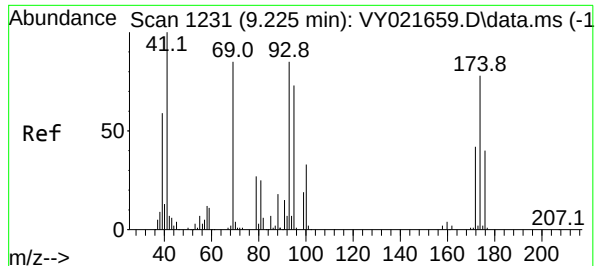
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

VSTDIC150

Tgt Ion: 88 Resp: 53338

Ion Ratio Lower Upper

88 100

43 33.6 28.8 43.2

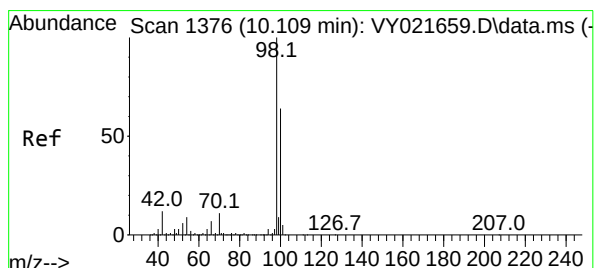
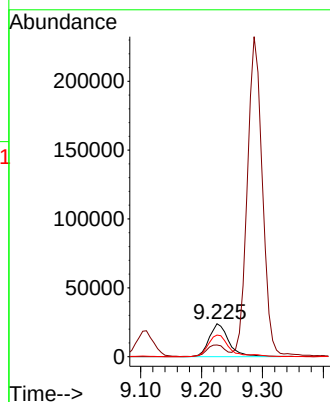
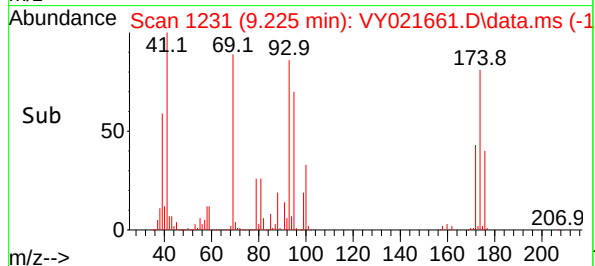
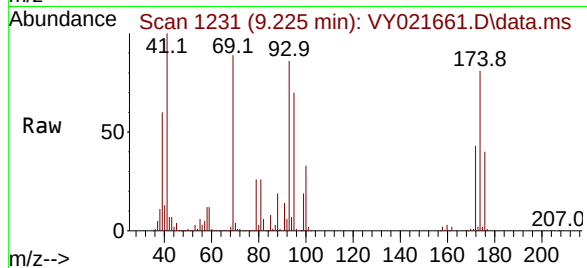
58 67.8 59.4 89.2

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

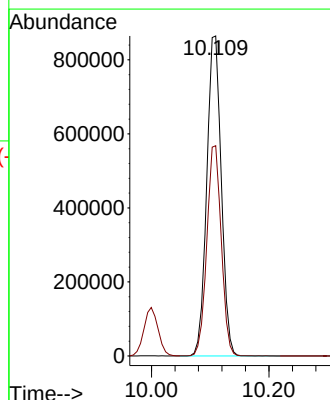
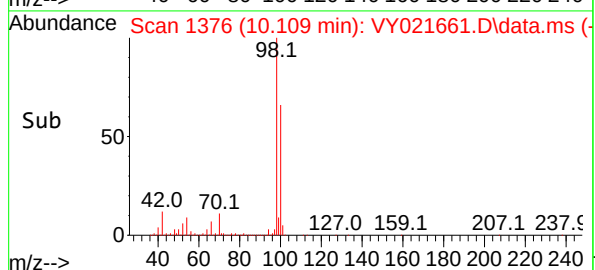
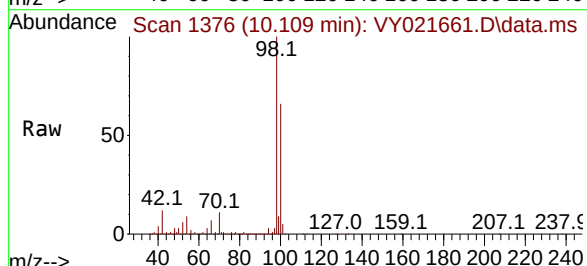
Acq: 27 Mar 2025 12:02

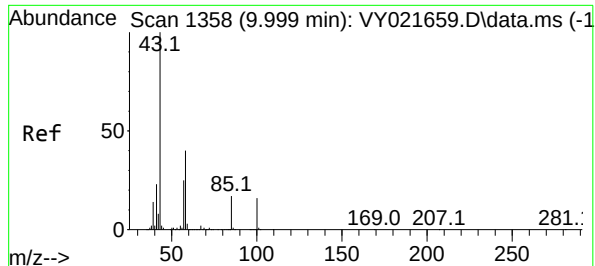
Tgt Ion: 98 Resp: 1485725

Ion Ratio Lower Upper

98 100

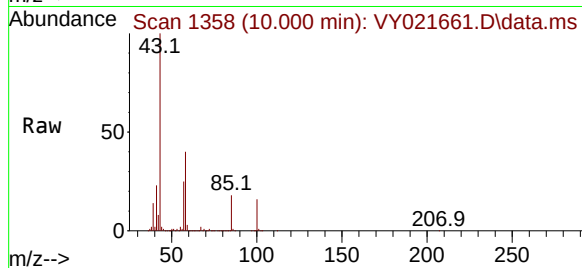
100 65.1 52.1 78.1





#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

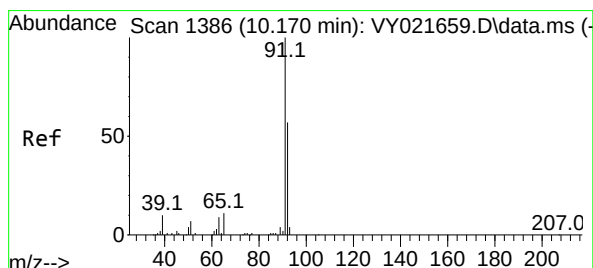
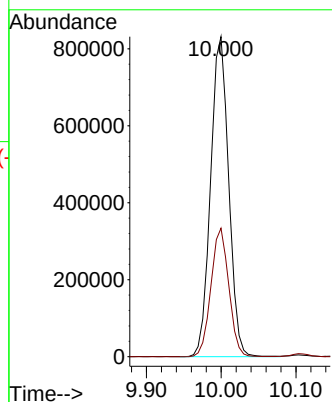
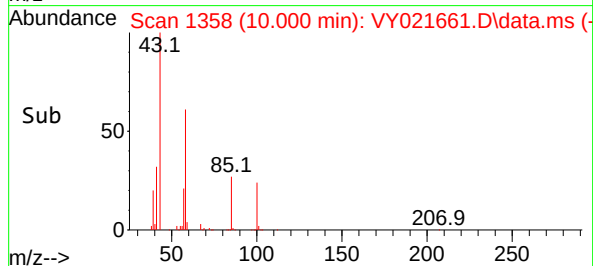
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



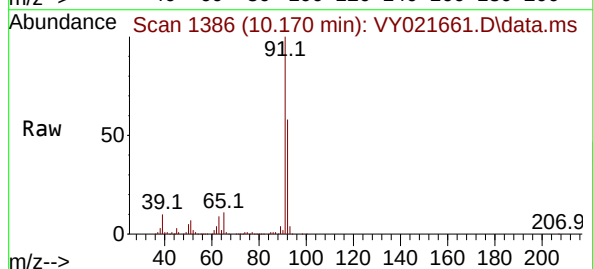
Tgt Ion: 43 Resp: 1397678
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

Manual Integrations
APPROVED

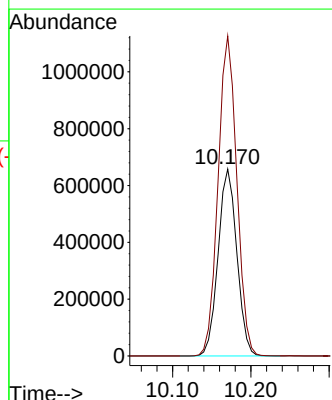
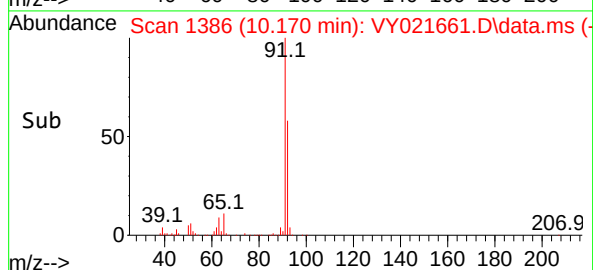
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

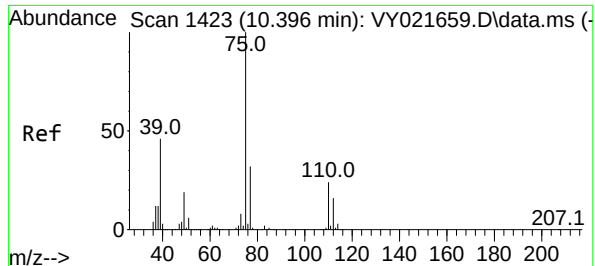


#52
Toluene
Concen: 143.758 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



Tgt Ion: 92 Resp: 1094229
Ion Ratio Lower Upper
92 100
91 171.6 138.6 207.8





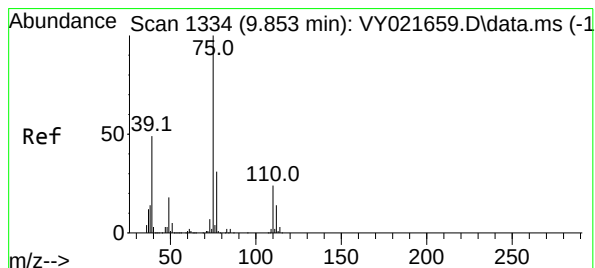
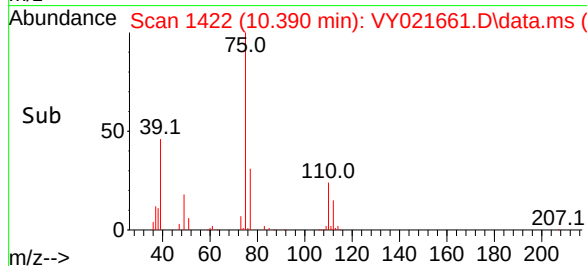
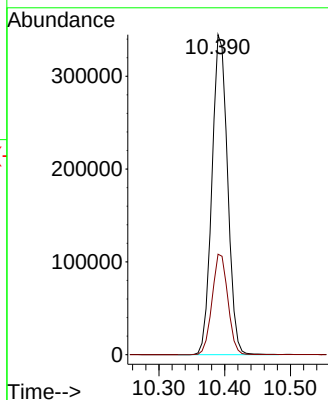
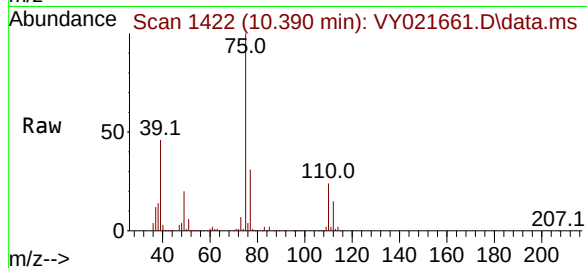
#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 570388
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

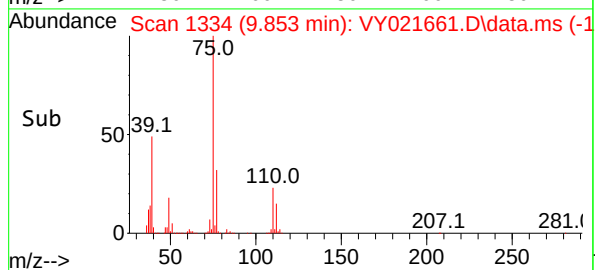
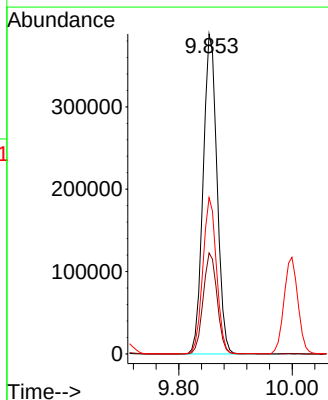
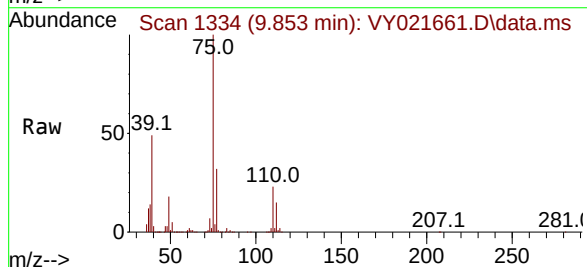
Manual Integrations
APPROVED

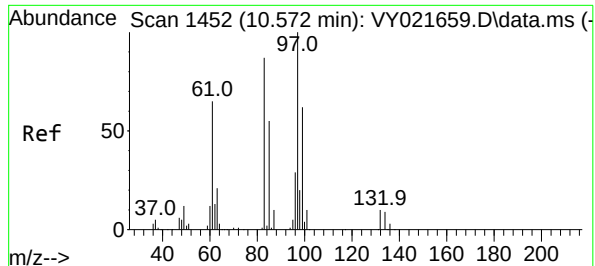
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

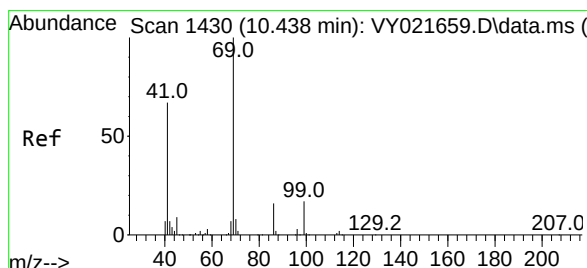
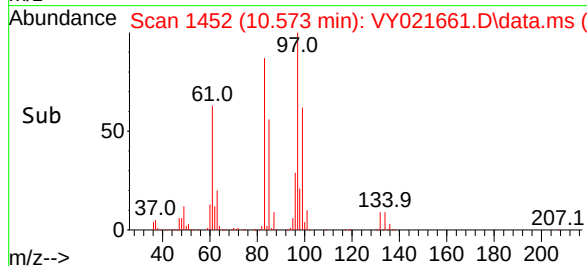
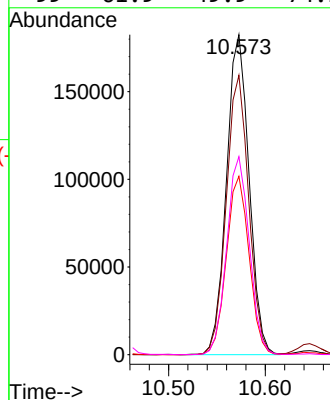
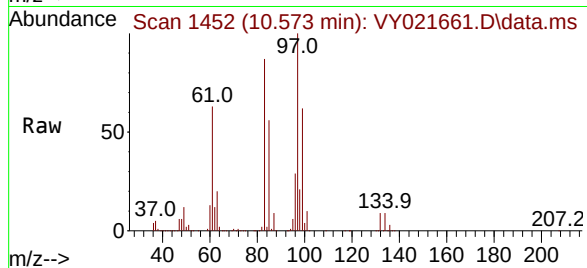
83 87.3 69.5 104.3

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

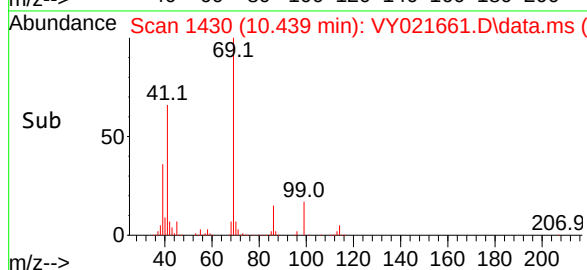
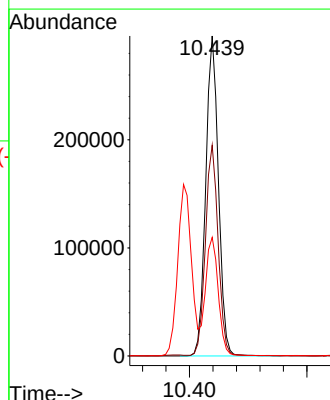
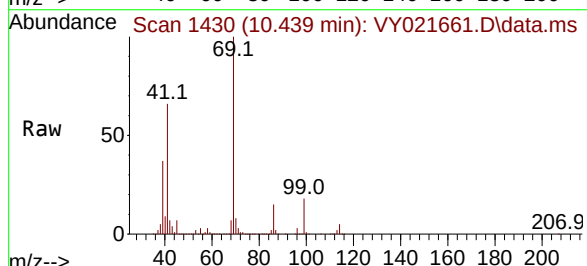
Tgt Ion: 69 Resp: 443517

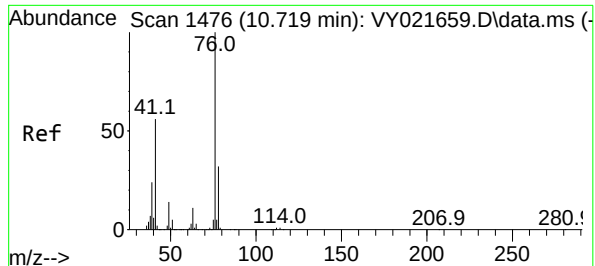
Ion Ratio Lower Upper

69 100

41 66.0 53.8 80.6

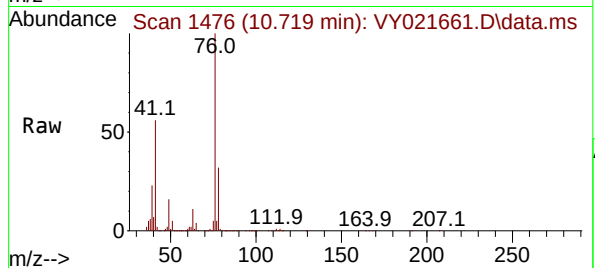
39 37.9 29.6 44.4





#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

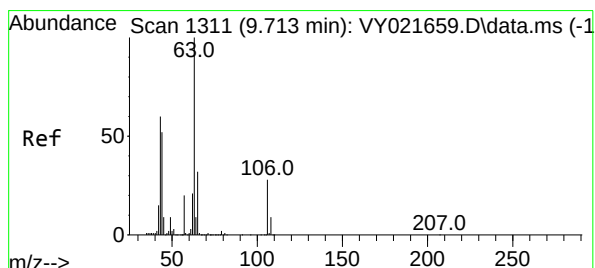
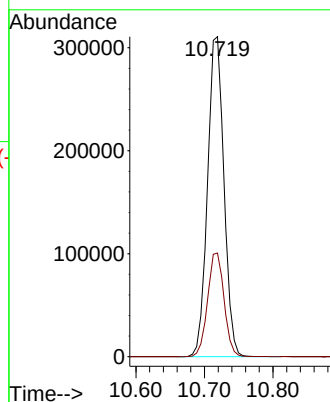
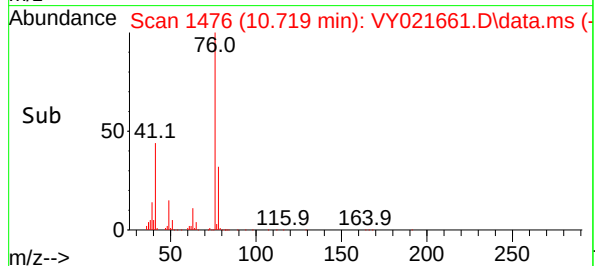
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 76 Resp: 517700
Ion Ratio Lower Upper
76 100
78 32.6 25.8 38.8

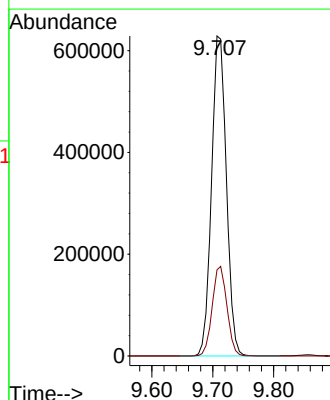
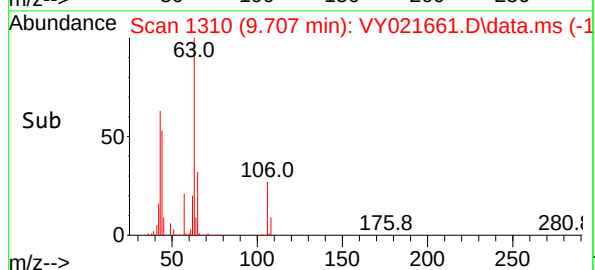
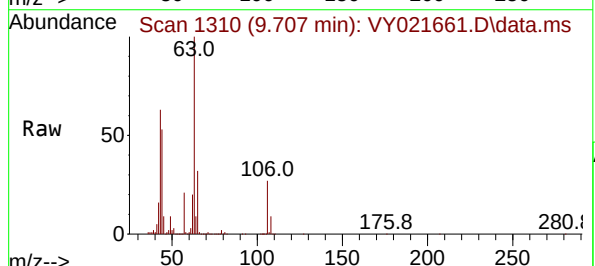
Manual Integrations
APPROVED

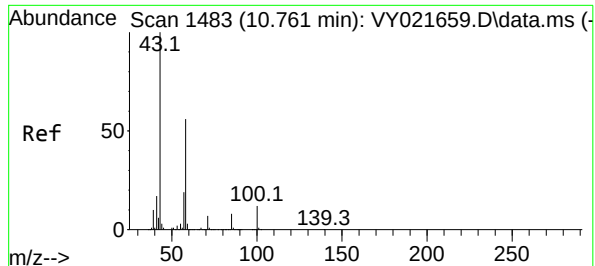
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

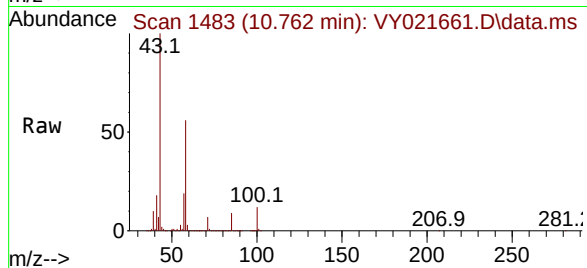
Tgt Ion: 63 Resp: 1061779
Ion Ratio Lower Upper
63 100
106 27.8 22.4 33.6





#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

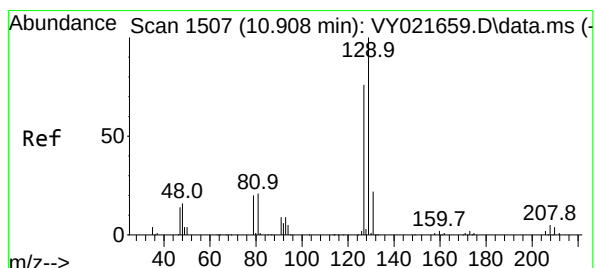
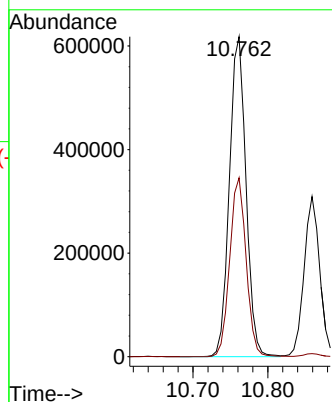
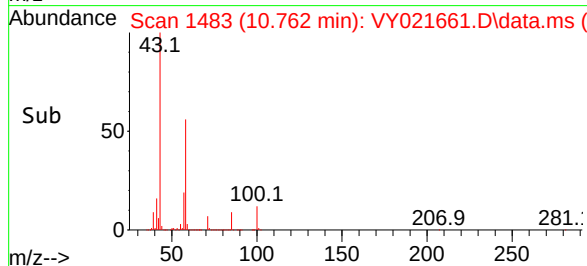
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 95505
Ion Ratio Lower Upper
43 100
58 55.4 27.2 81.5

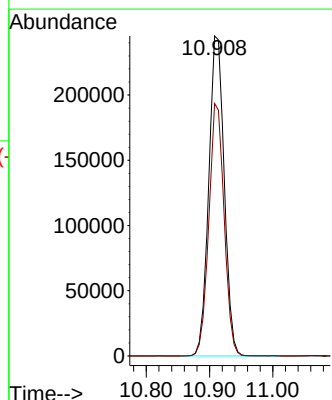
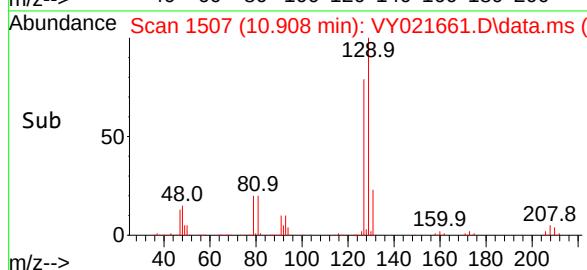
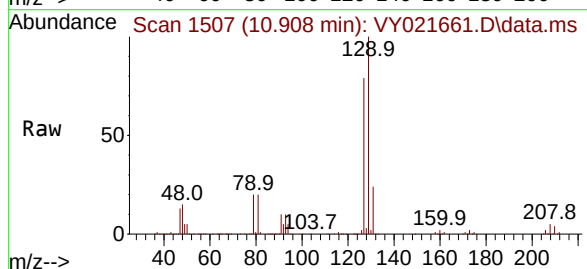
Manual Integrations
APPROVED

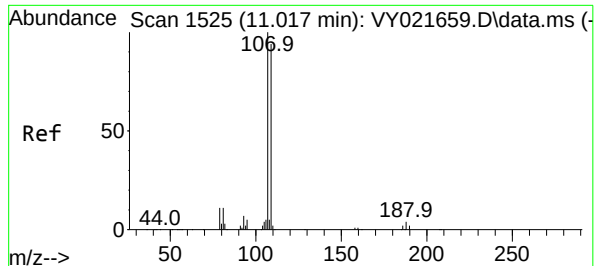
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

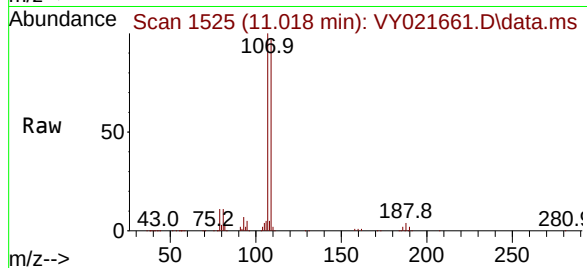
Tgt Ion:129 Resp: 417230
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#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

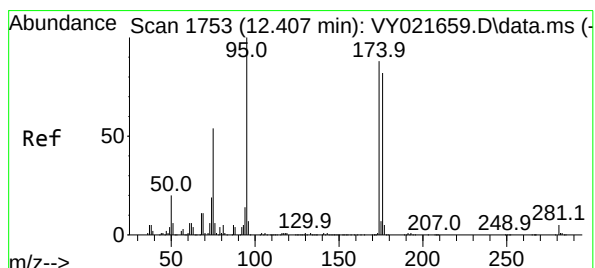
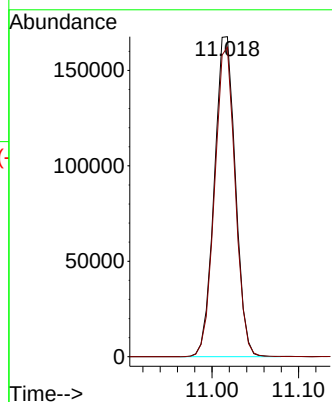
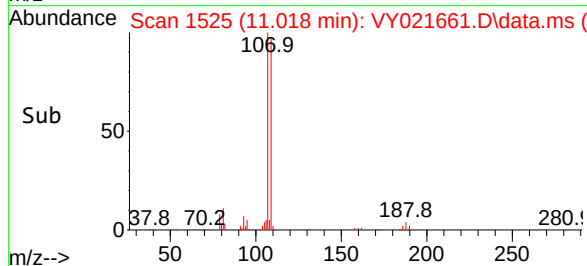
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



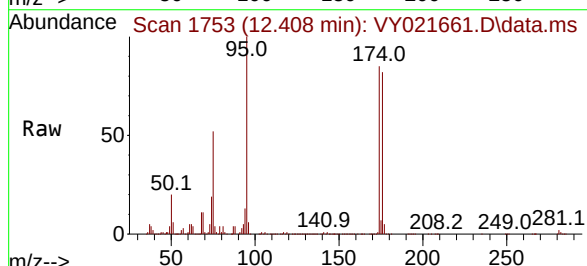
Tgt Ion:107 Resp: 28345
Ion Ratio Lower Upper
107 100
109 94.7 74.4 111.6

Manual Integrations
APPROVED

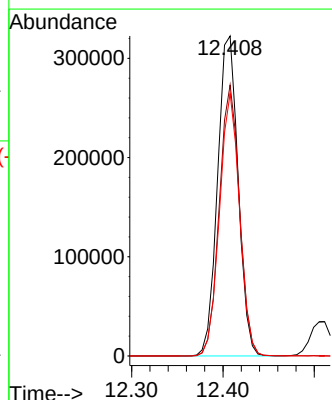
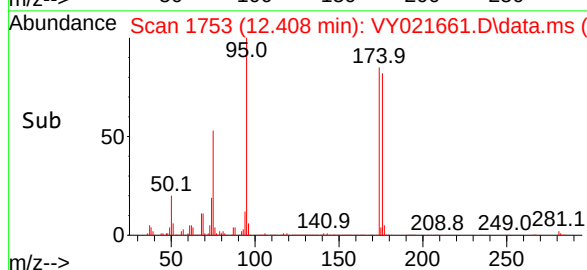
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

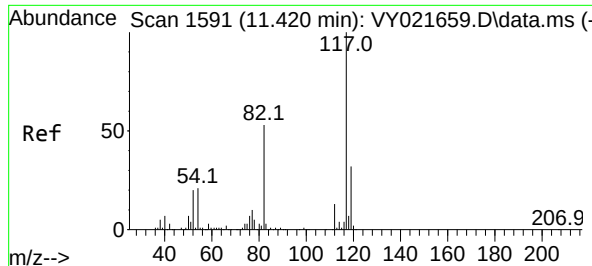


#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



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# 1591

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

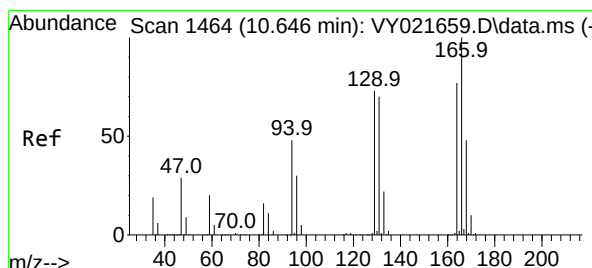
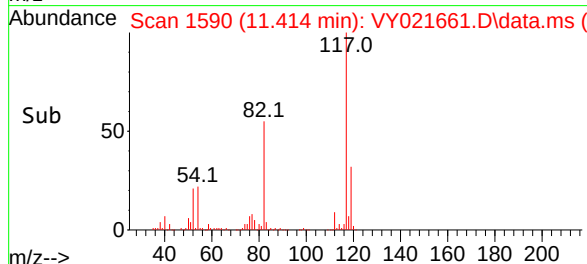
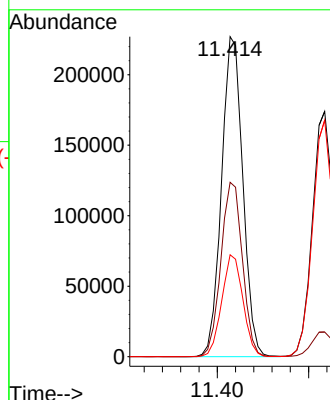
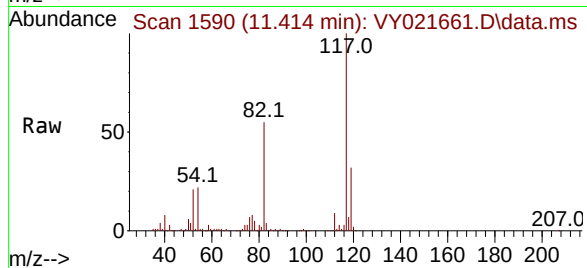
119 31.9 25.7 38.5

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

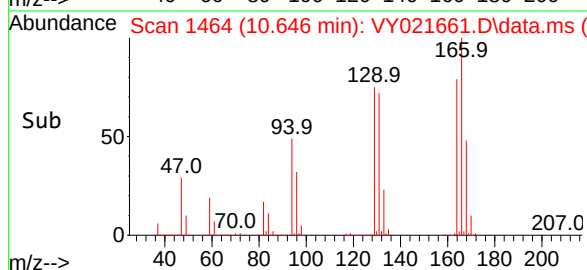
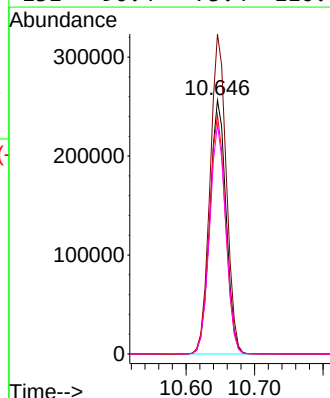
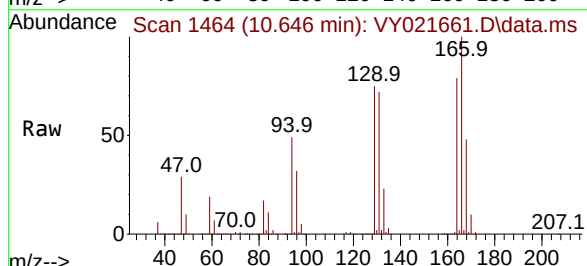
Ion Ratio Lower Upper

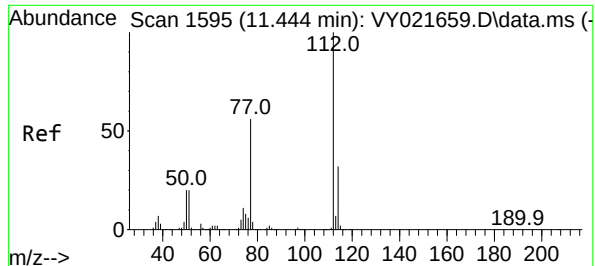
164 100

166 126.1 104.6 156.8

129 94.3 76.6 114.8

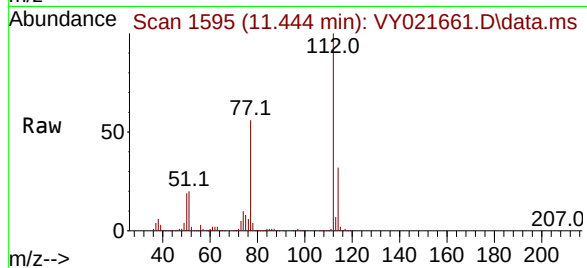
131 90.4 73.4 110.0





#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

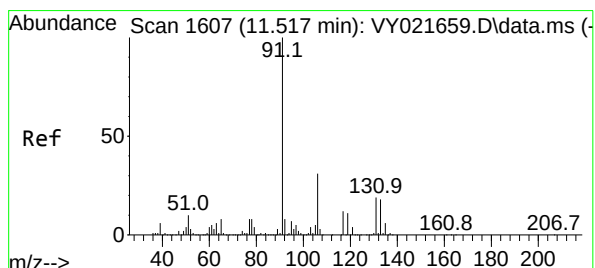
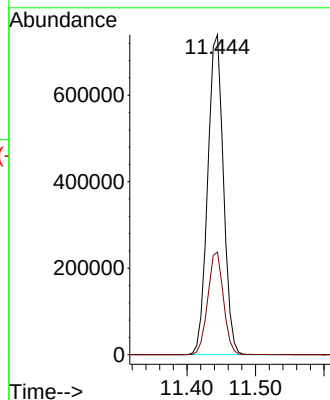
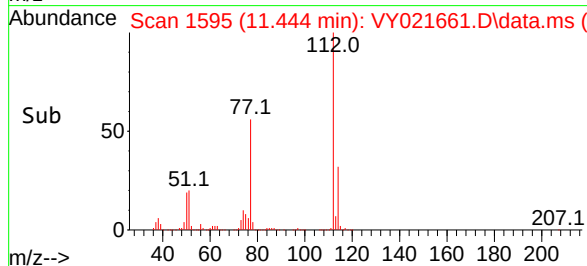
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:112 Resp: 1182770
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

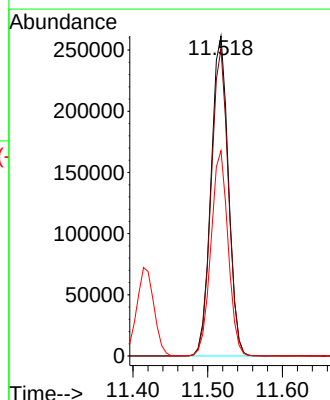
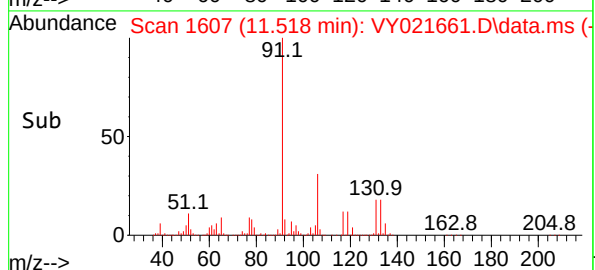
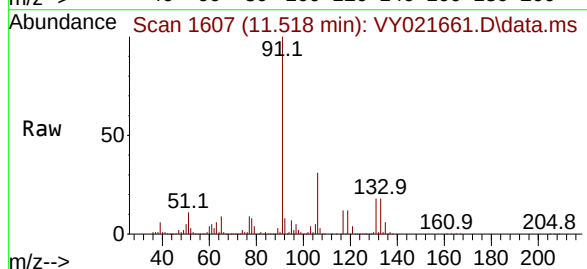
Manual Integrations
APPROVED

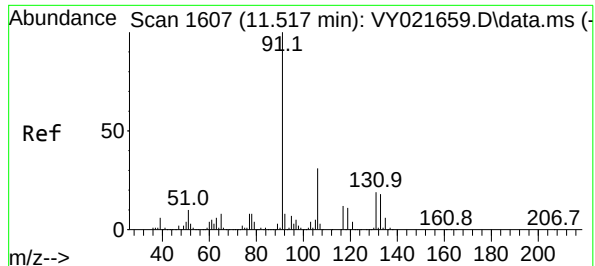
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

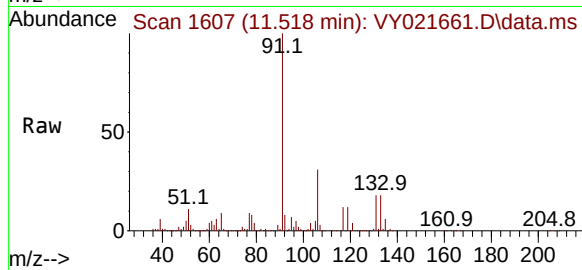
Tgt Ion:131 Resp: 420924
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 63.4 31.6 95.0





#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

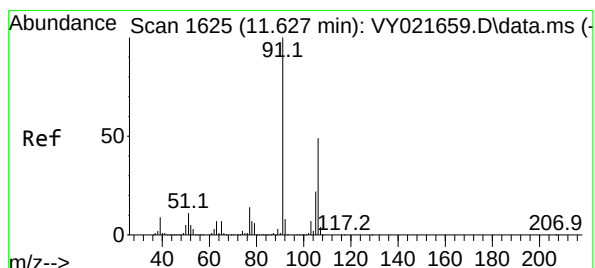
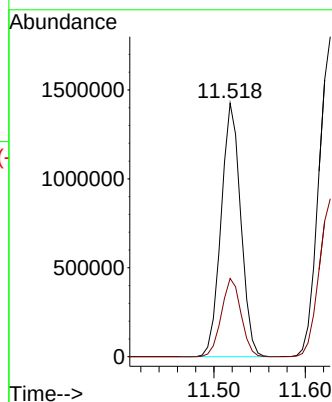
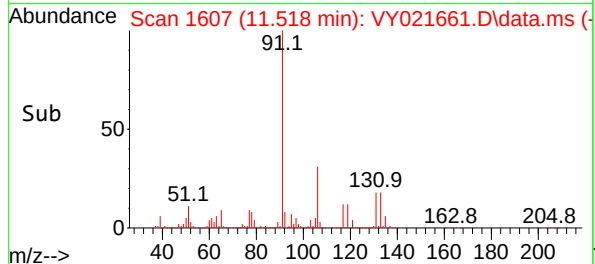
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion: 91 Resp: 2131884
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

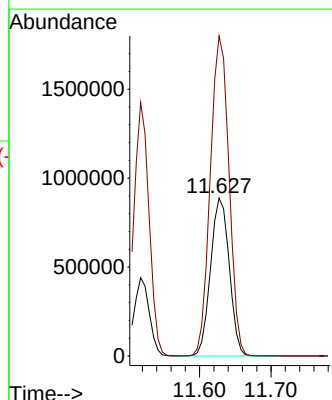
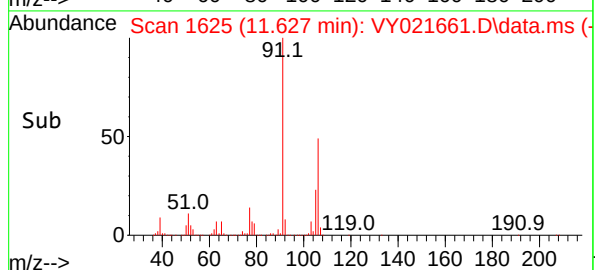
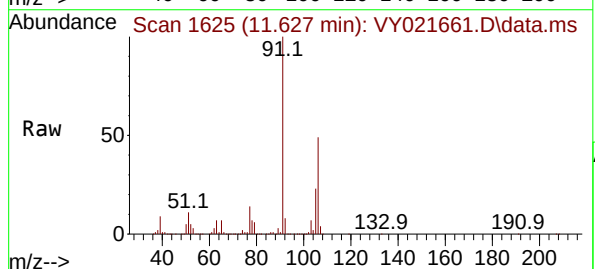
Manual Integrations
APPROVED

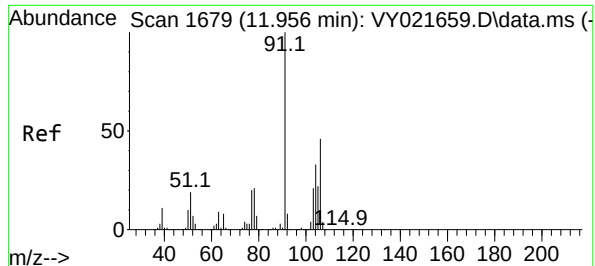
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





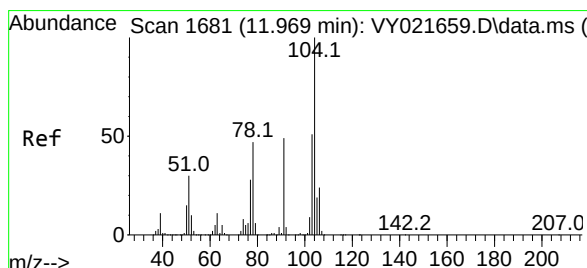
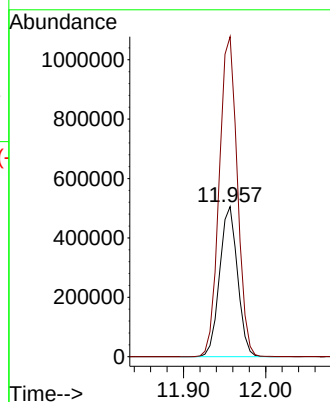
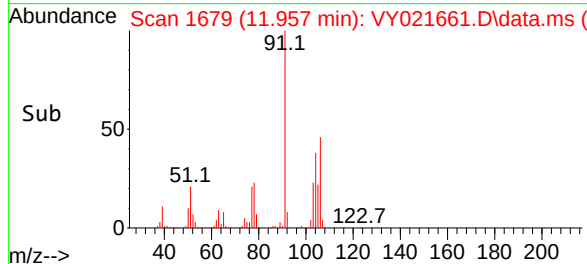
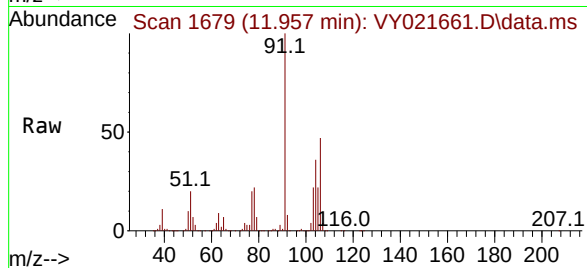
#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 76472
Ion Ratio Lower Upper
106 100
91 216.0 106.7 319.9

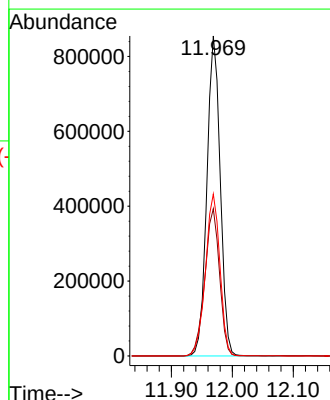
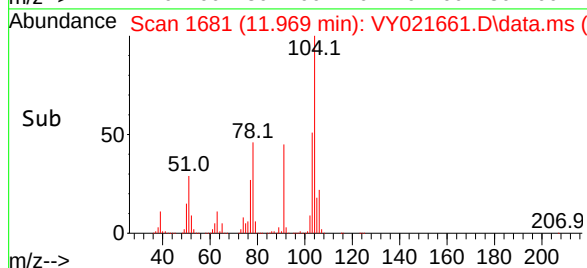
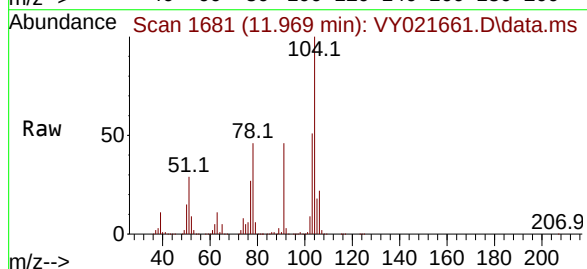
Manual Integrations
APPROVED

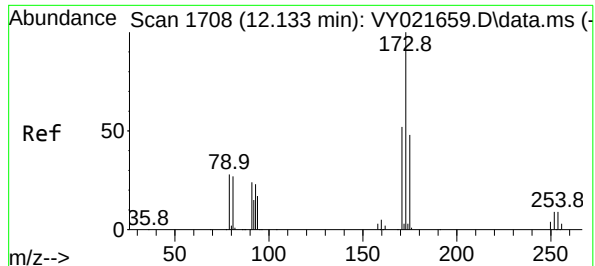
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

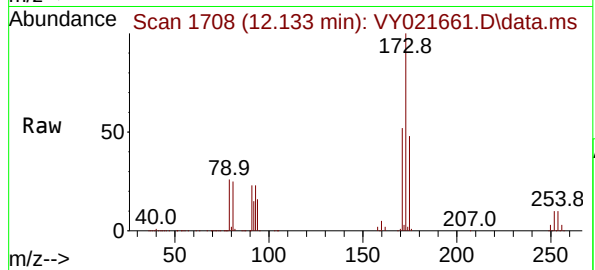
Tgt Ion:104 Resp: 1300778
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 54.8 44.2 66.2





#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

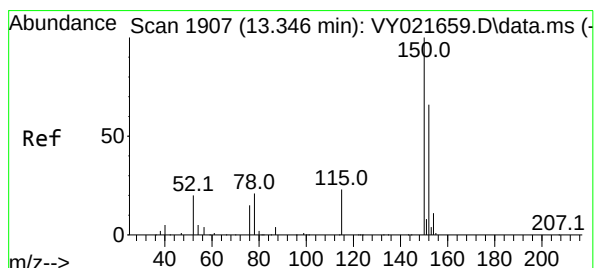
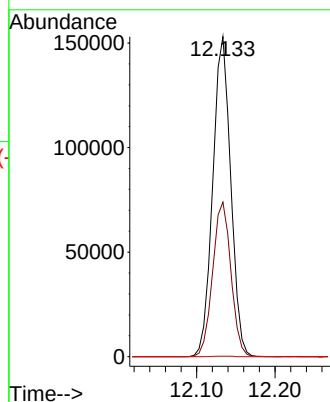
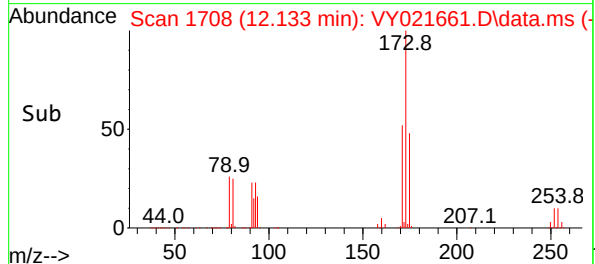
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



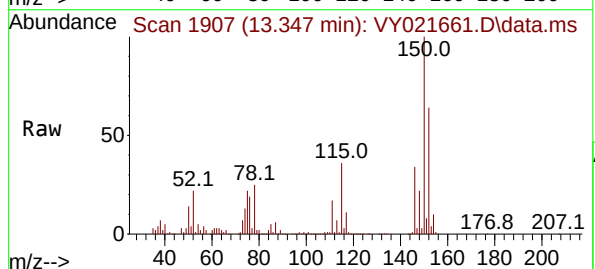
Tgt Ion:173 Resp: 244045
Ion Ratio Lower Upper
173 100
175 49.1 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
APPROVED

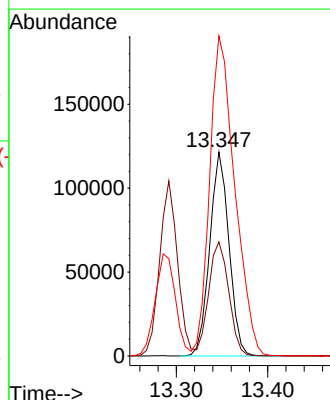
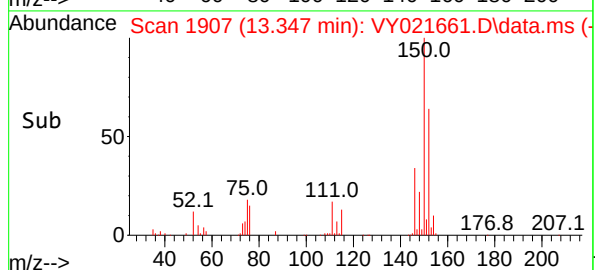
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

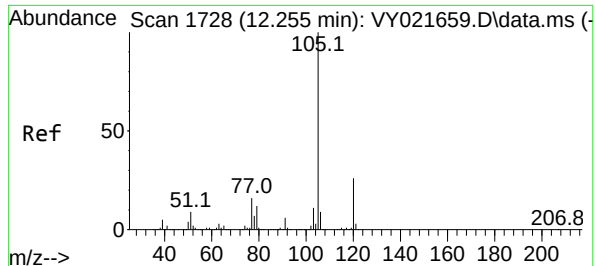


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



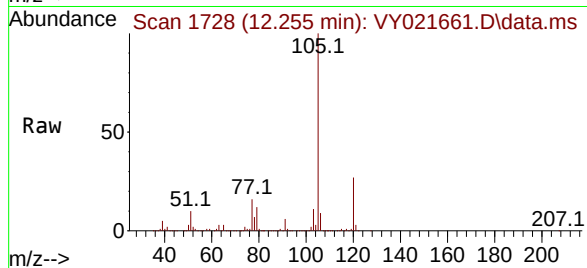
Tgt Ion:152 Resp: 177289
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 205.3 0.0 348.4





#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

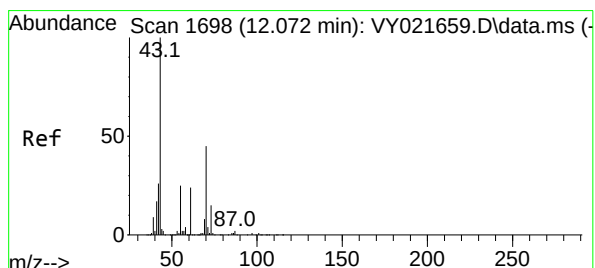
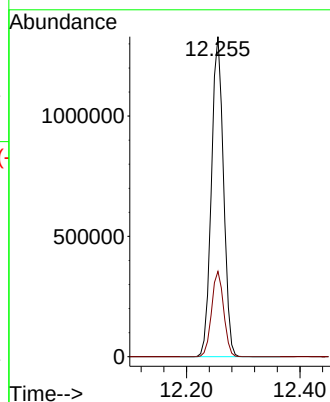
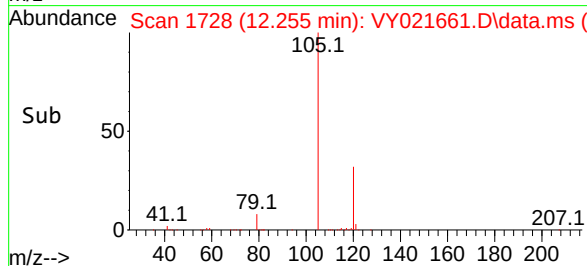
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 1969094
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

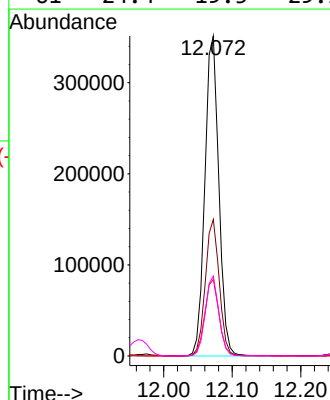
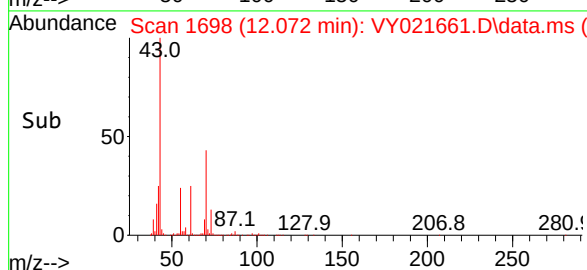
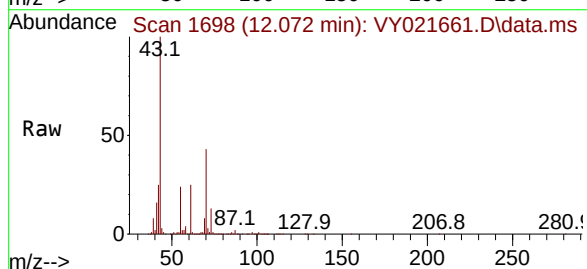
Manual Integrations
APPROVED

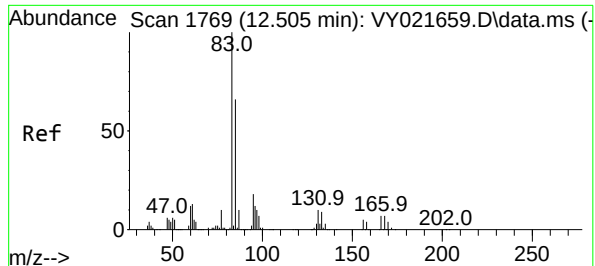
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





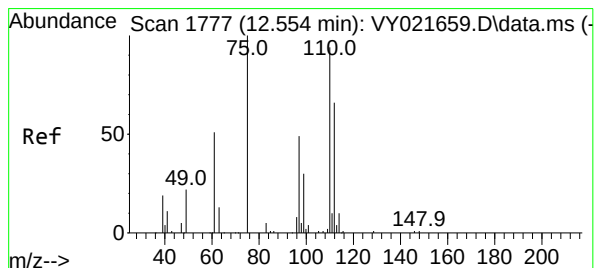
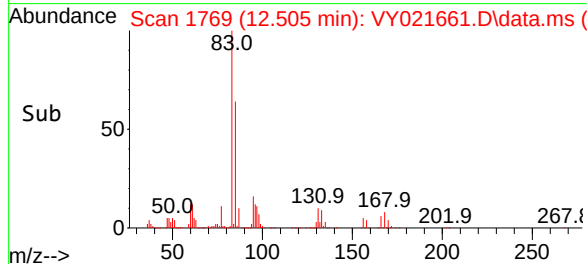
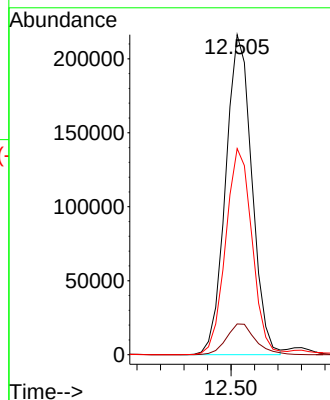
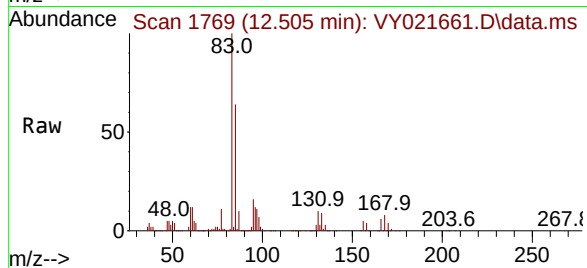
#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

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

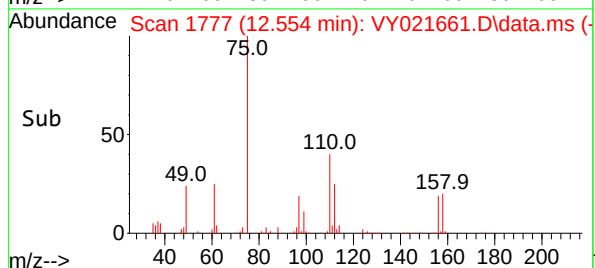
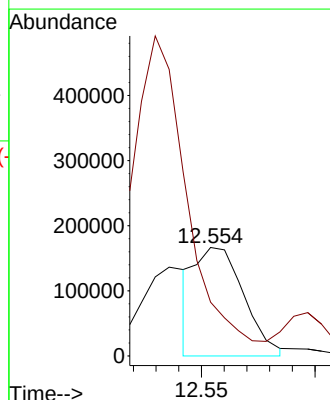
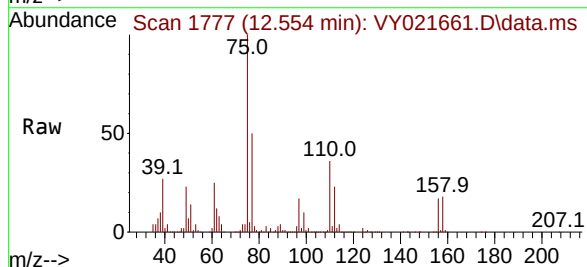
Manual Integrations
APPROVED

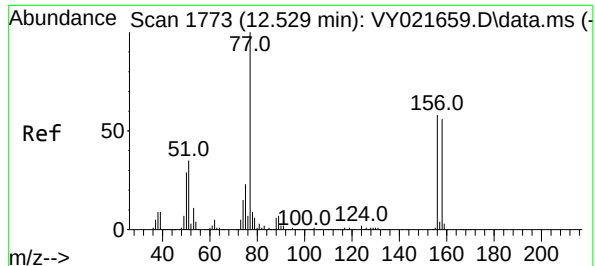
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

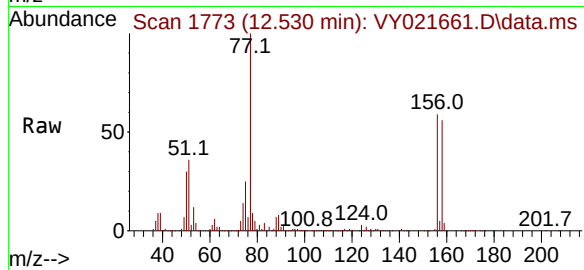
Tgt Ion: 75 Resp: 249855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#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

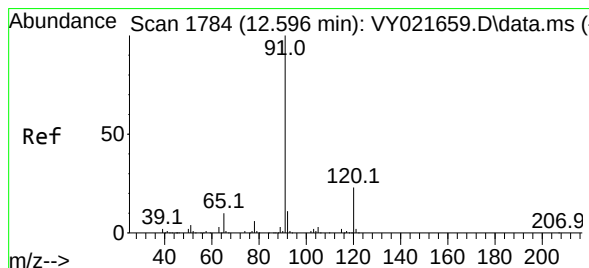
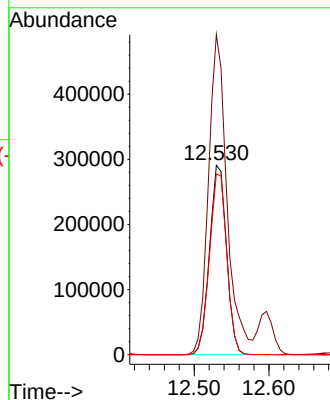
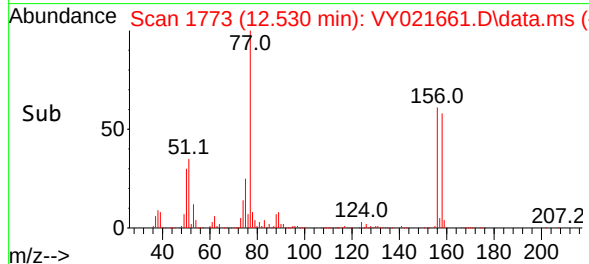
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

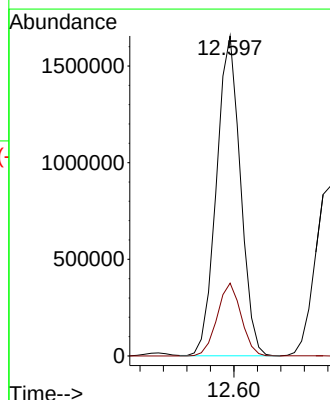
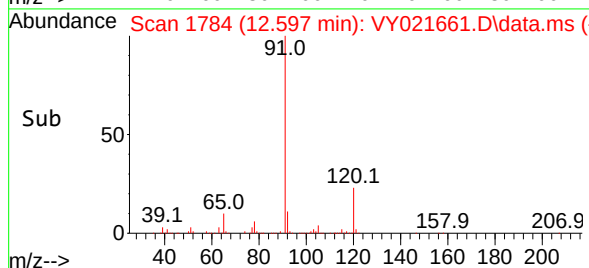
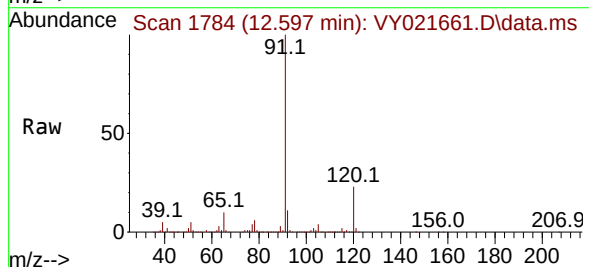
Manual Integrations
APPROVED

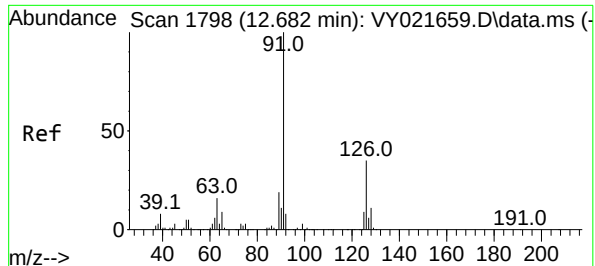
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





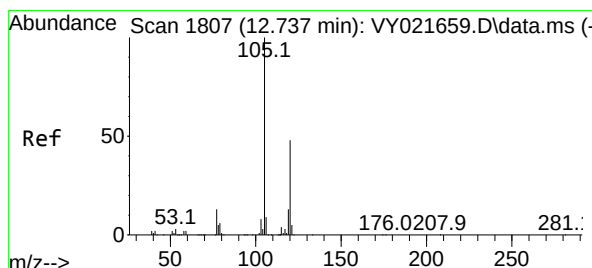
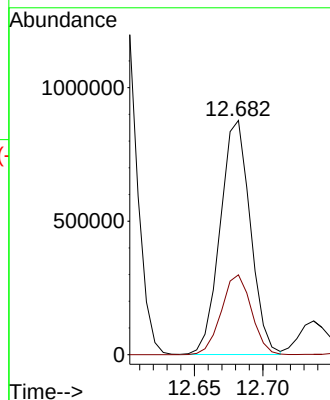
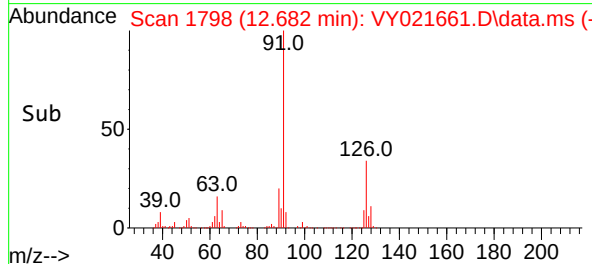
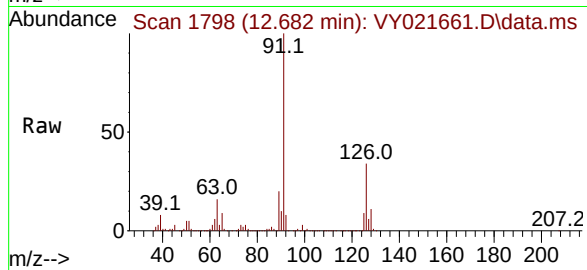
#79
2-Chlorotoluene
Concen: 146.095 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1343328
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0

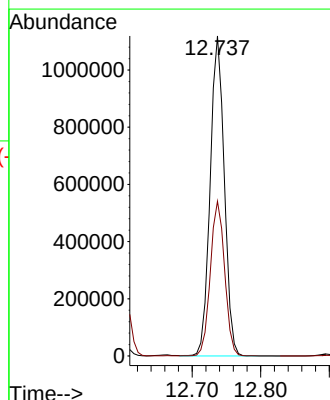
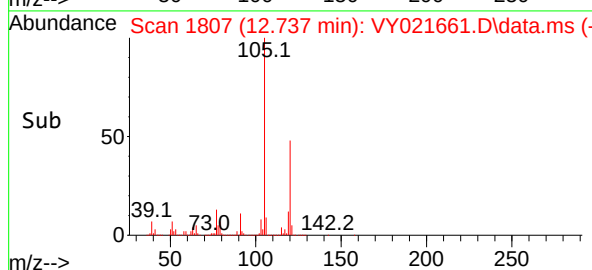
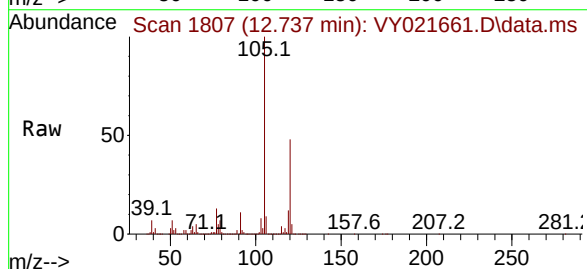
Manual Integrations
APPROVED

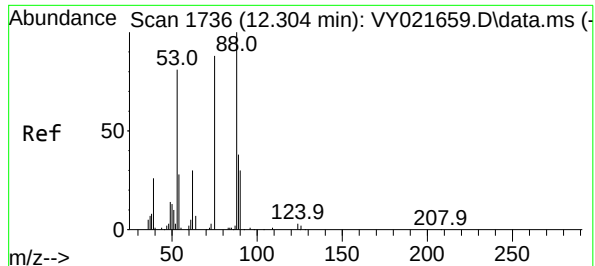
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

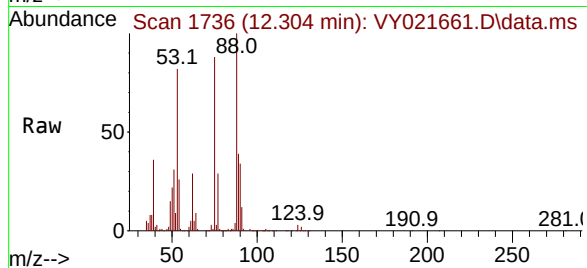
Tgt Ion:105 Resp: 1607812
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5





#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

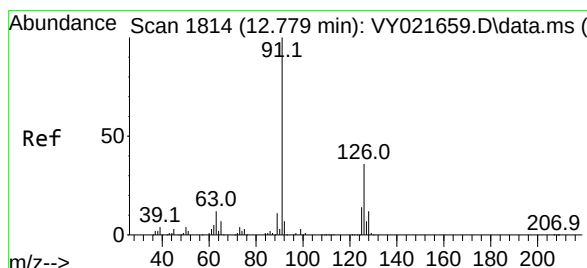
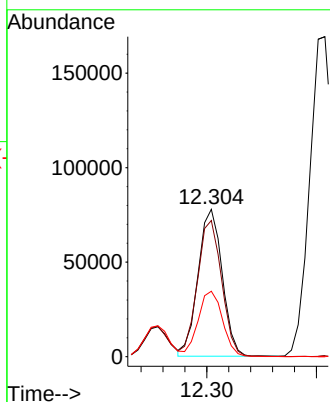
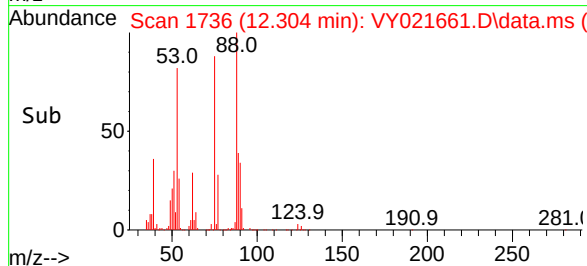
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

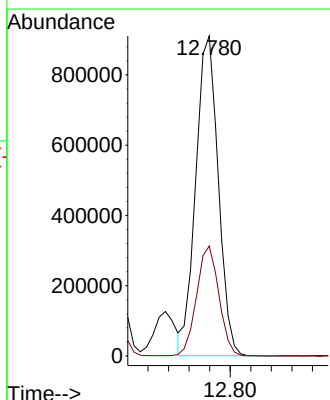
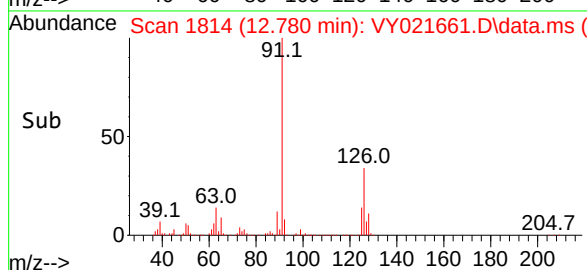
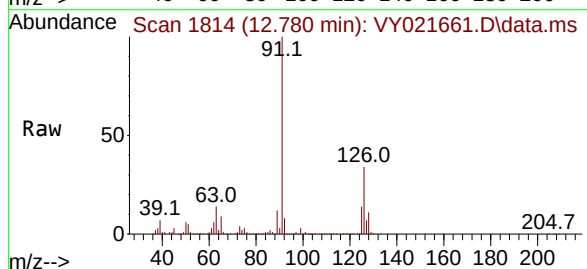
Manual Integrations
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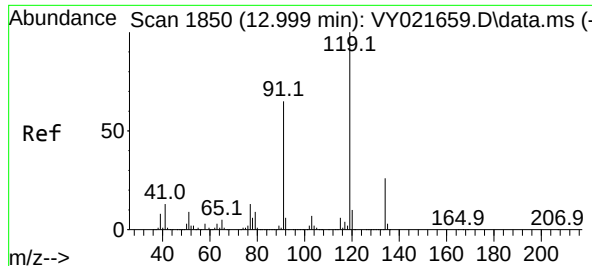
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

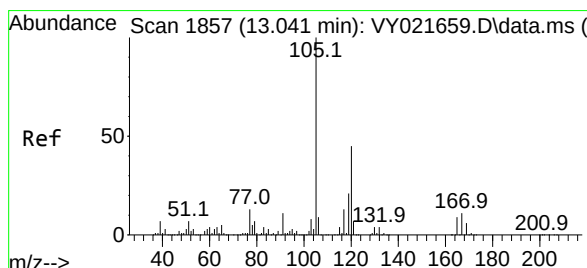
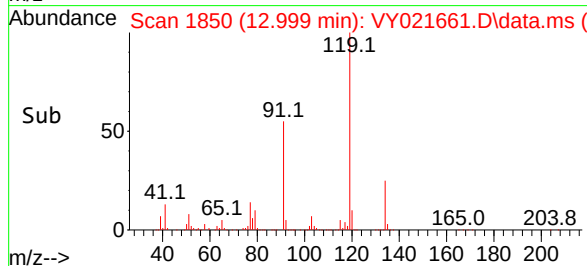
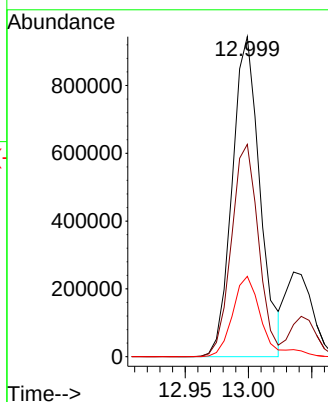
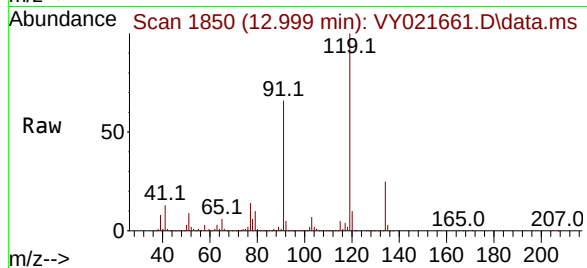
134 26.3 13.2 39.6

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

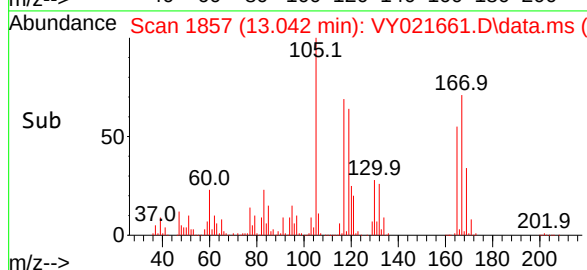
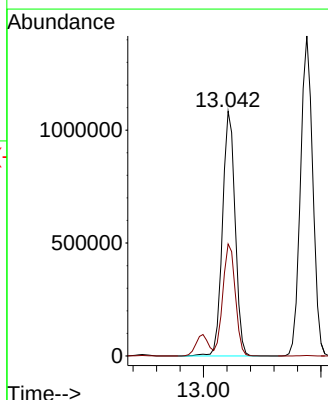
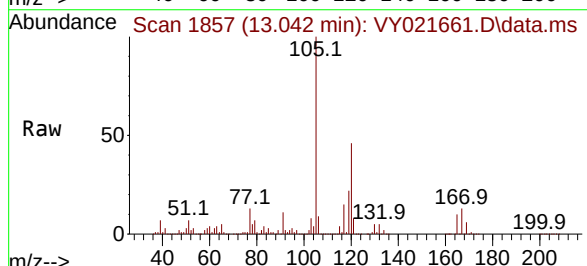
Acq: 27 Mar 2025 12:02

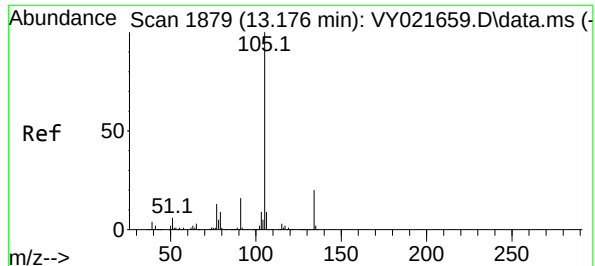
Tgt Ion:105 Resp: 1616812

Ion Ratio Lower Upper

105 100

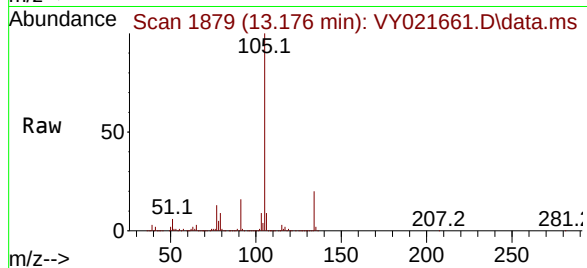
120 45.2 22.7 68.1





#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

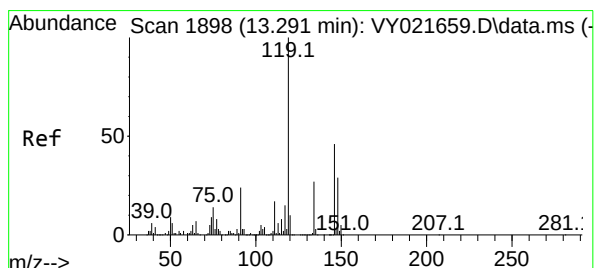
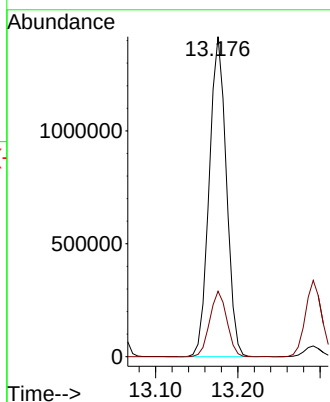
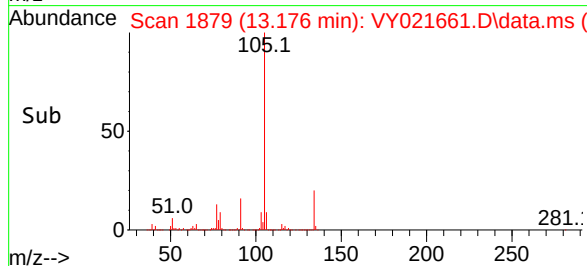
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



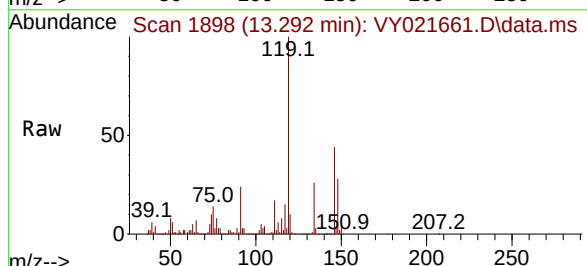
Tgt Ion:105 Resp: 205215
Ion Ratio Lower Upper
105 100
134 20.5 10.1 30.1

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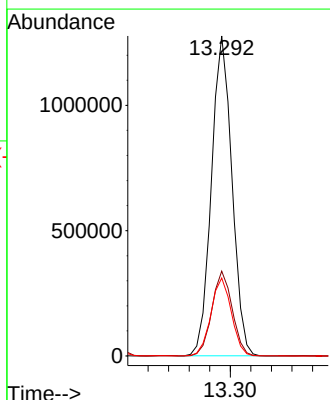
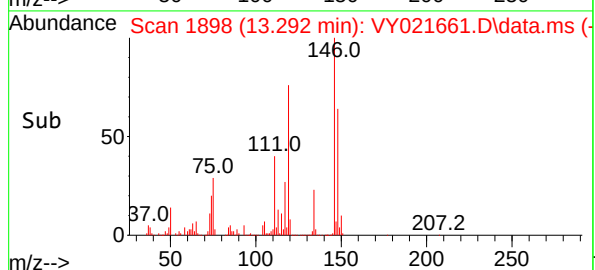
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

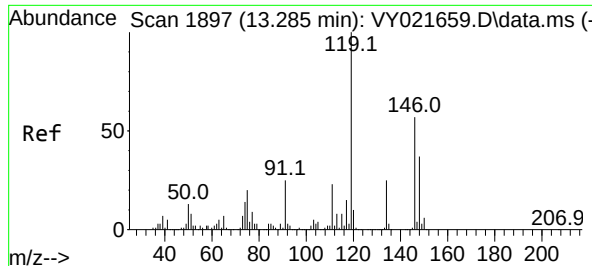


#86
p-Isopropyltoluene
Concen: 152.863 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02



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

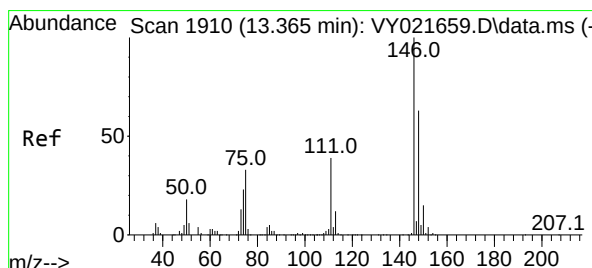
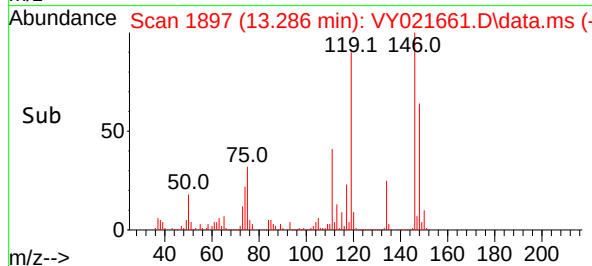
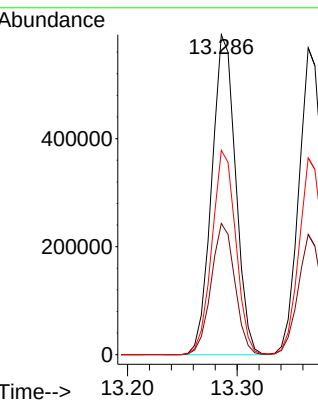
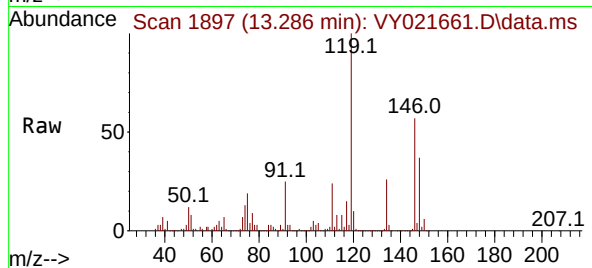
148 63.7 31.8 95.4

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

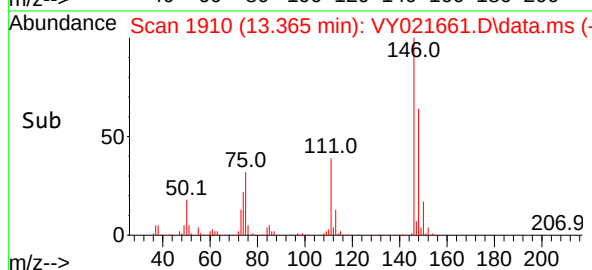
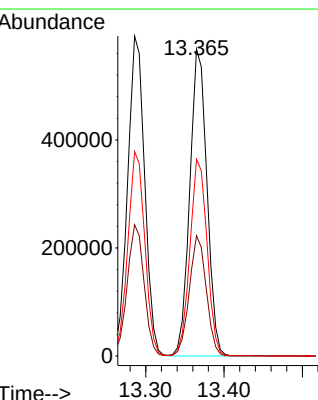
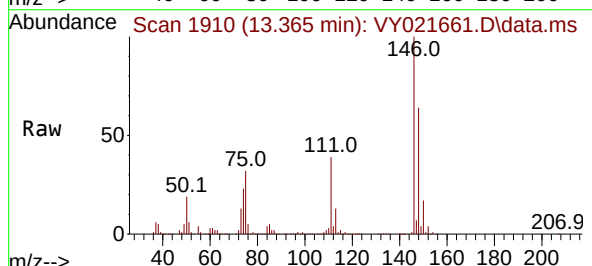
Tgt Ion:146 Resp: 864599

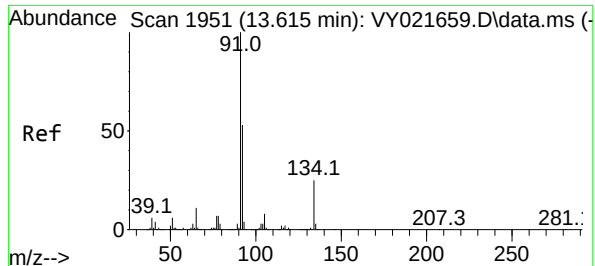
Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.1

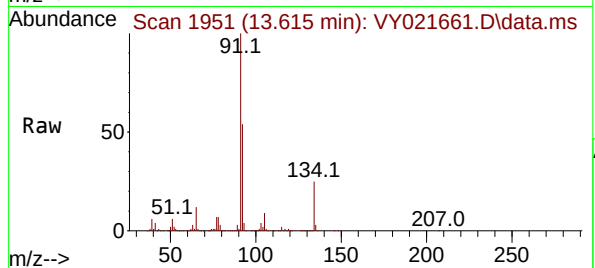
148 63.9 31.5 94.5





#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

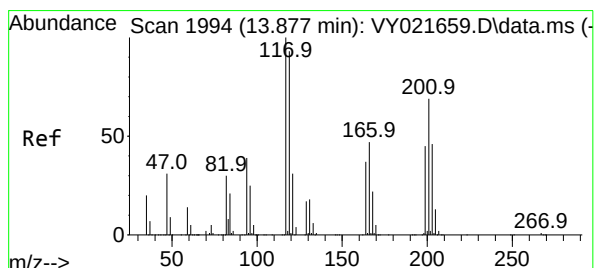
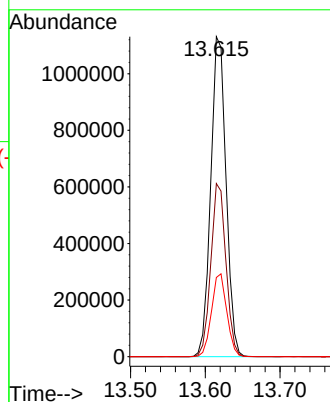
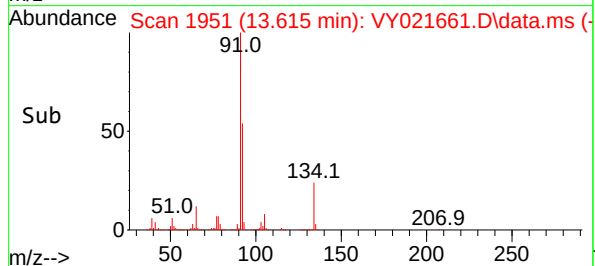
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



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

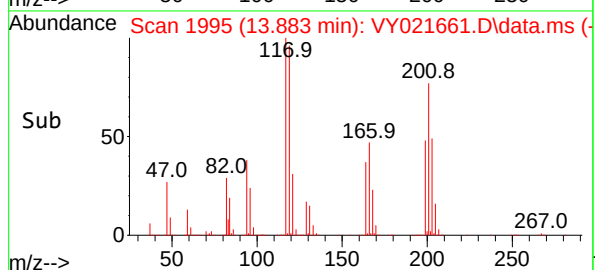
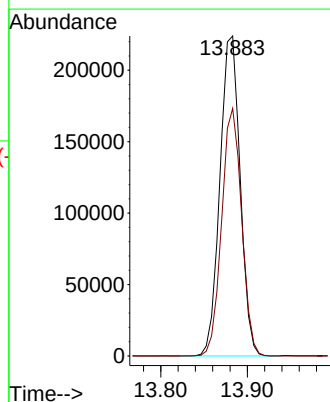
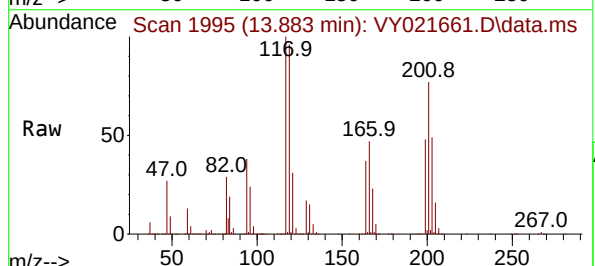
Manual Integrations
APPROVED

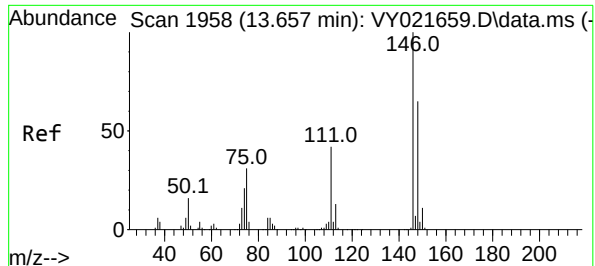
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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





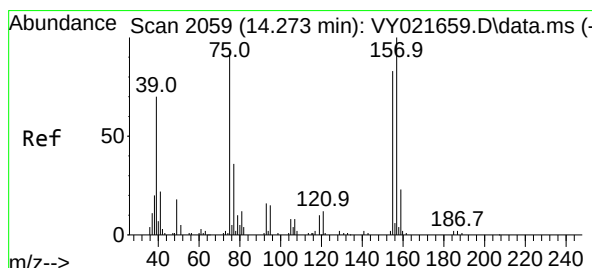
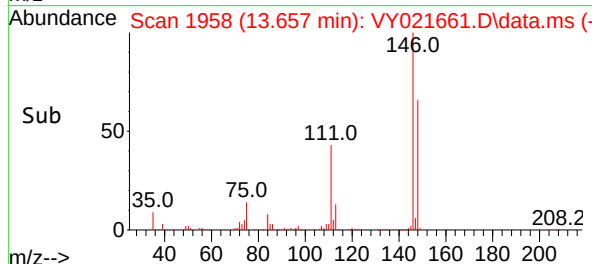
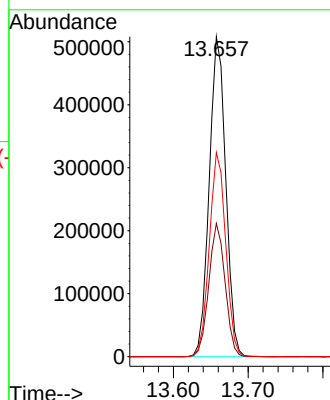
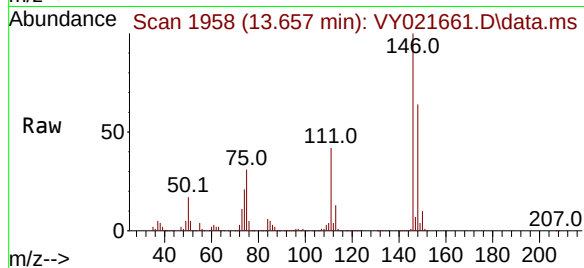
#91
1,2-Dichlorobenzene
Concen: 143.668 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

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

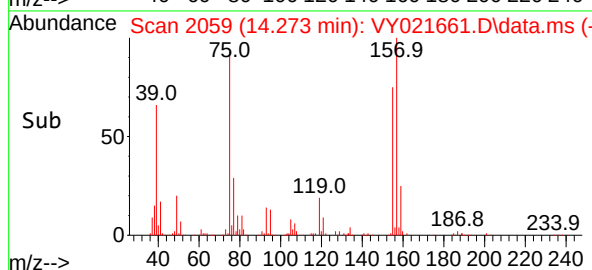
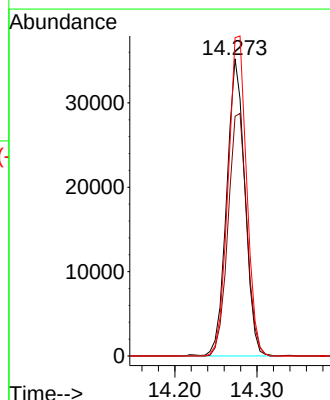
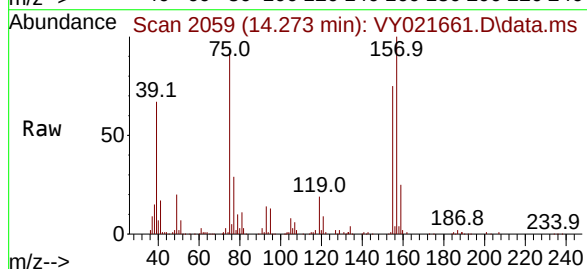
Manual Integrations
APPROVED

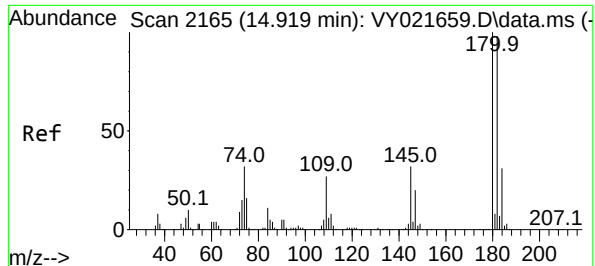
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

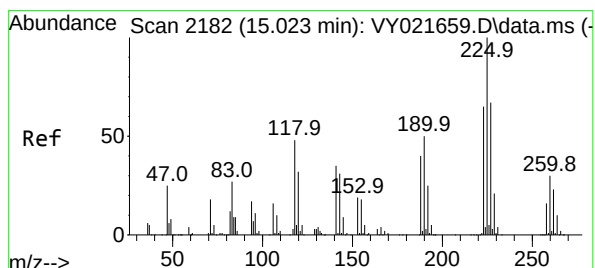
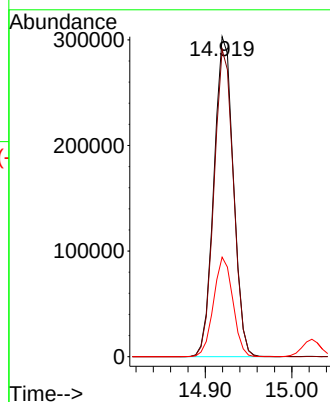
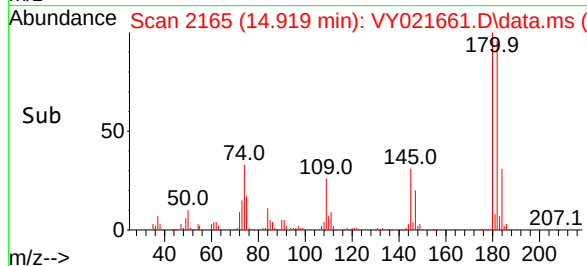
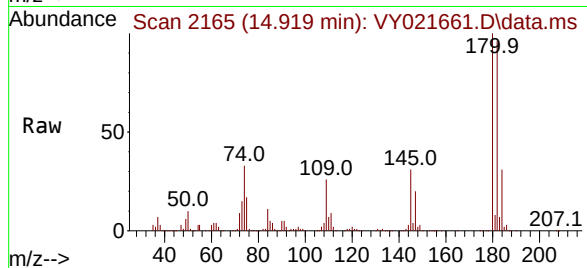
180 100

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

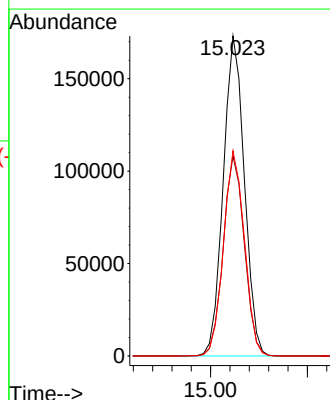
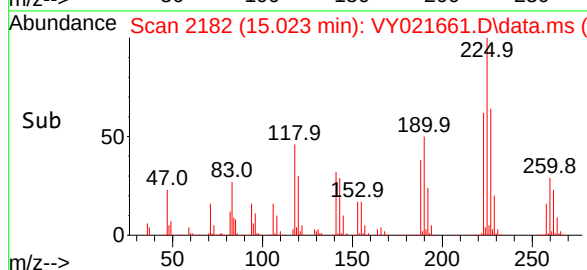
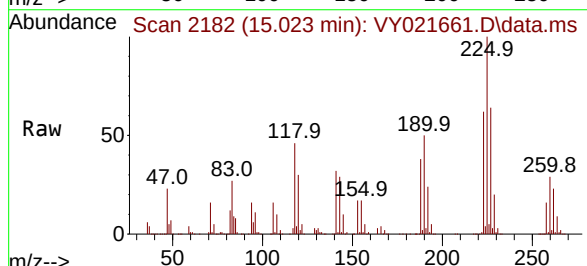
Tgt Ion:225 Resp: 261678

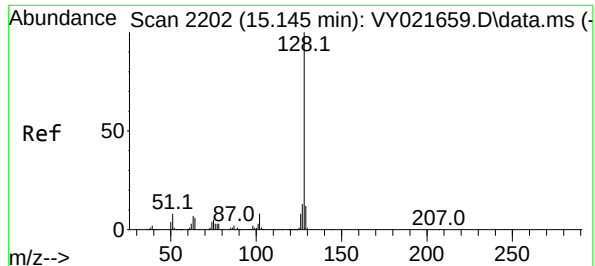
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.7

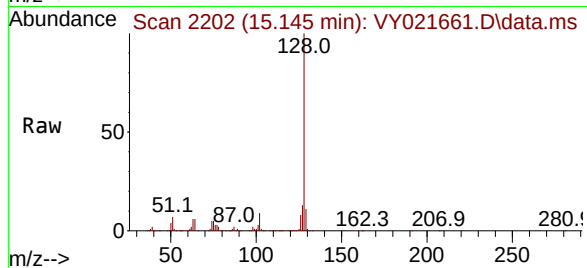
227 63.4 32.4 97.0





#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

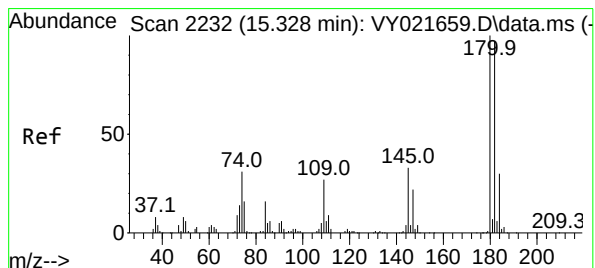
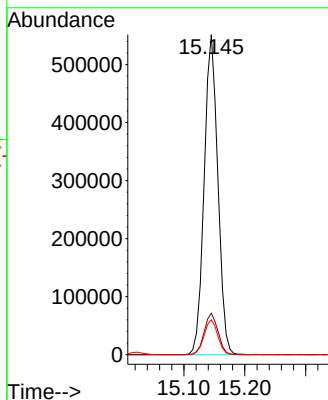
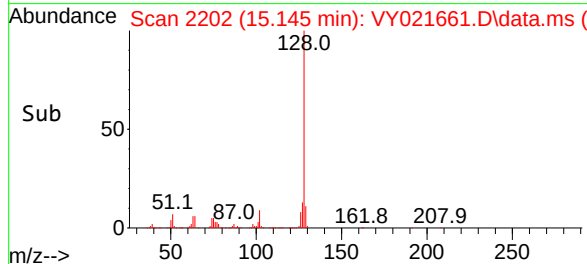
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



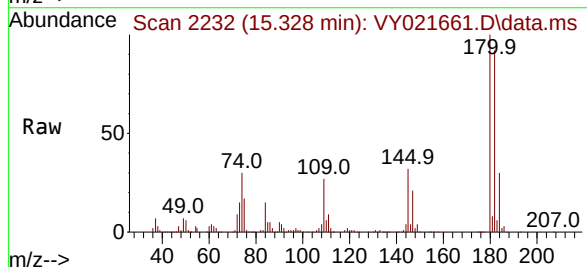
Tgt Ion:128 Resp: 859499
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.9 8.8 13.2

Manual Integrations
APPROVED

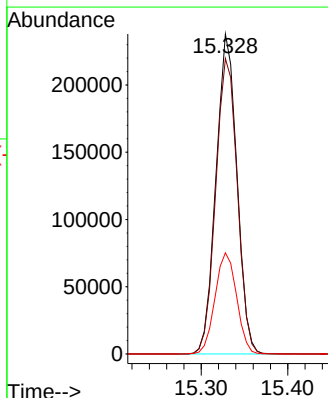
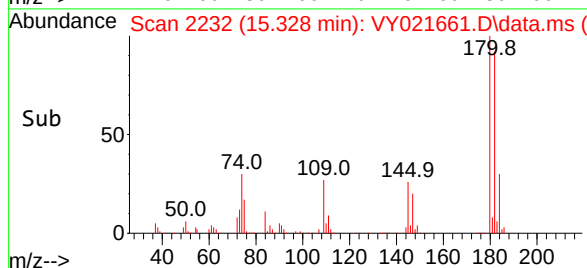
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

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)

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

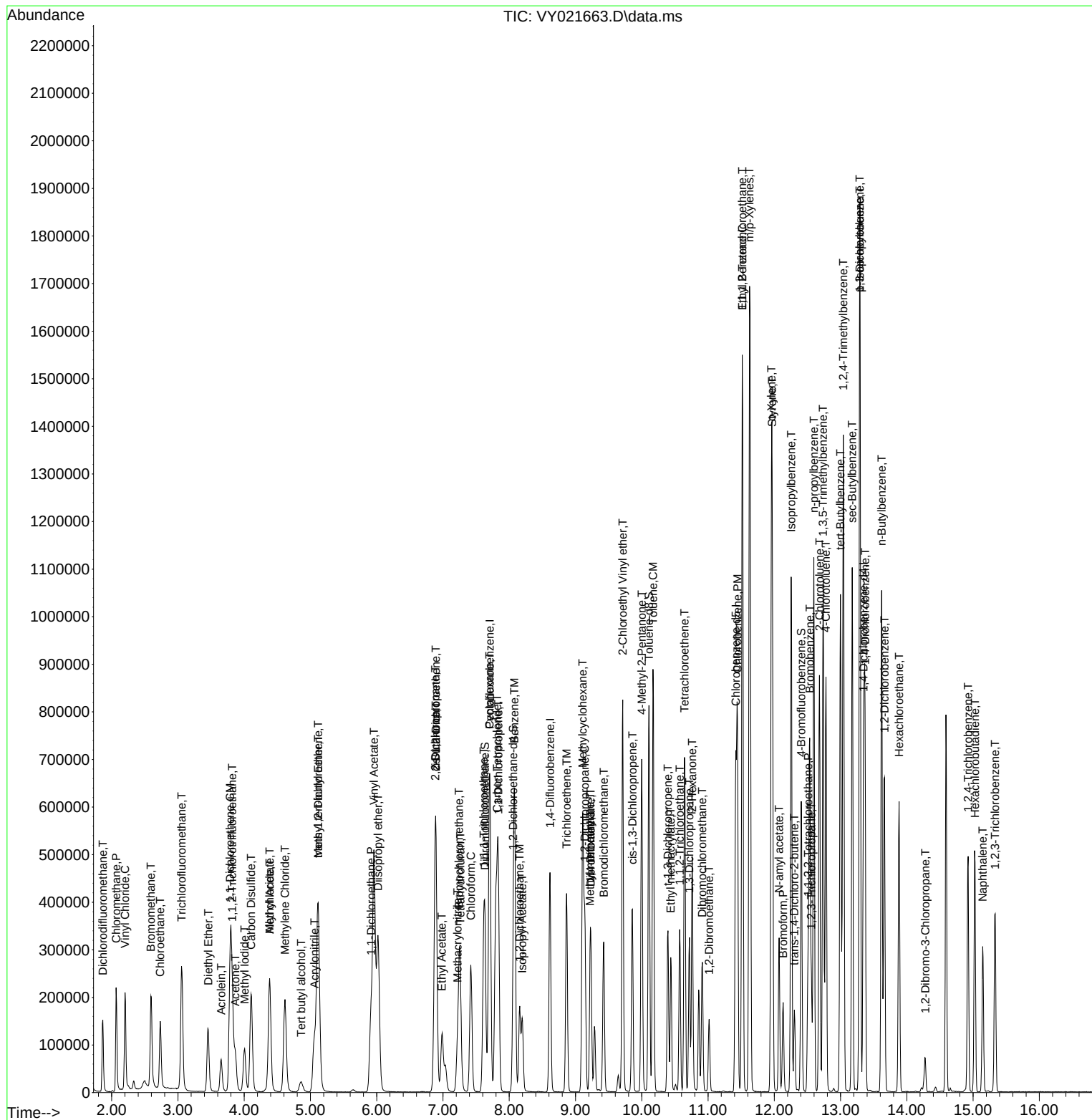
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Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

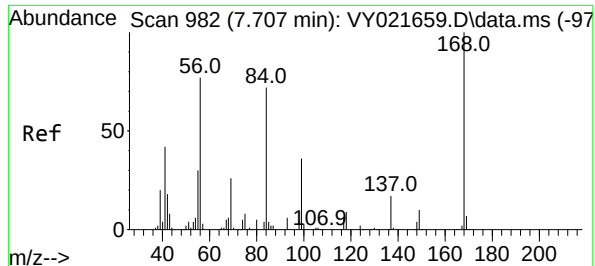
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725

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





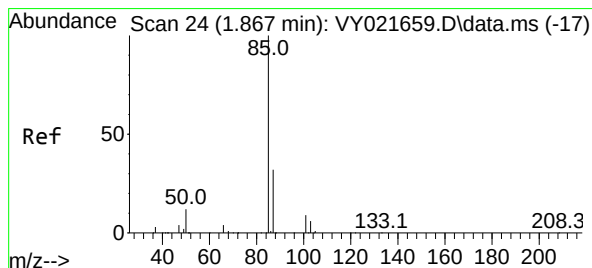
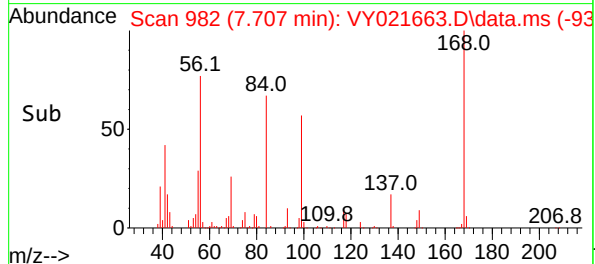
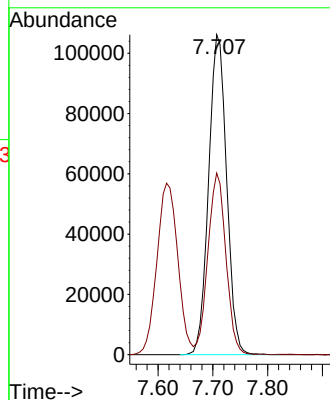
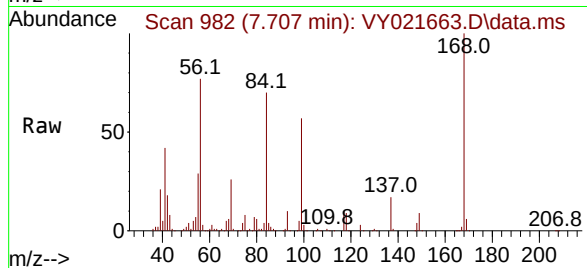
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:168 Resp: 24128
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

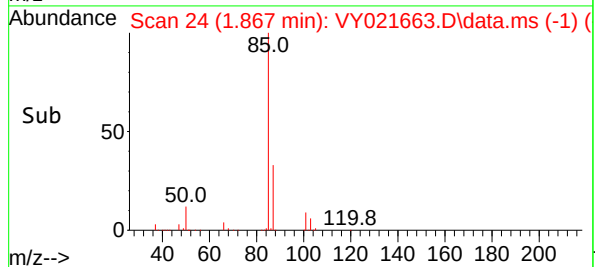
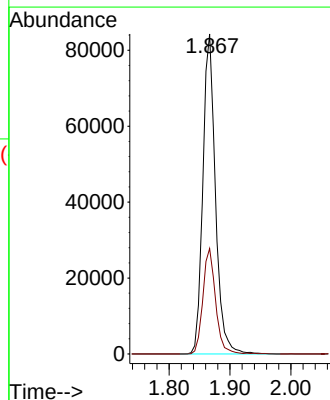
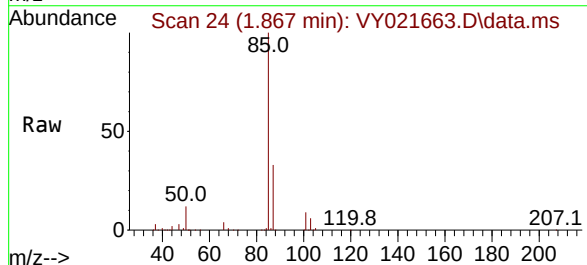
Manual Integrations
APPROVED

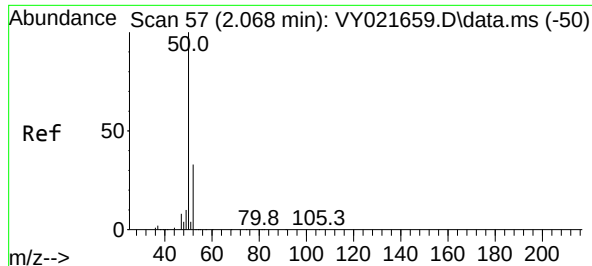
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

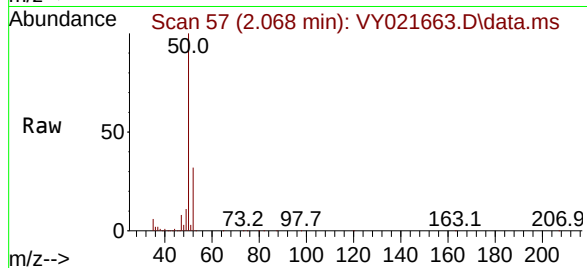
Tgt Ion: 85 Resp: 121620
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





#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

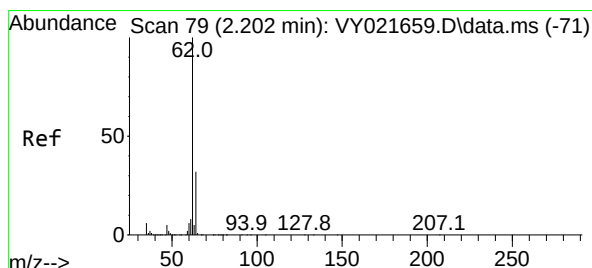
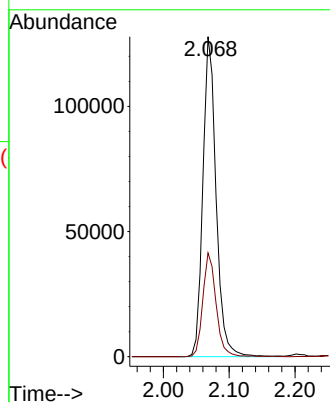
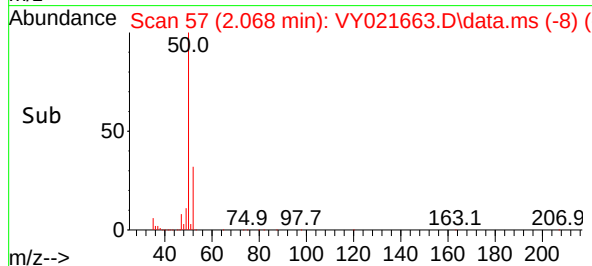
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 50 Resp: 178572
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

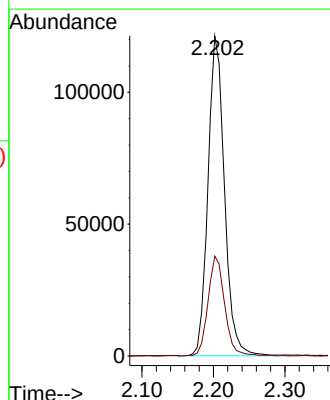
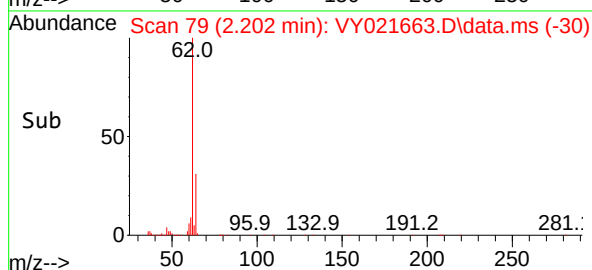
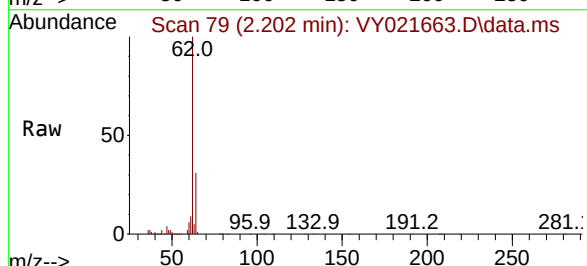
Manual Integrations
APPROVED

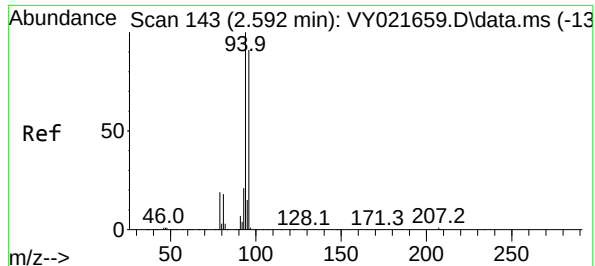
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

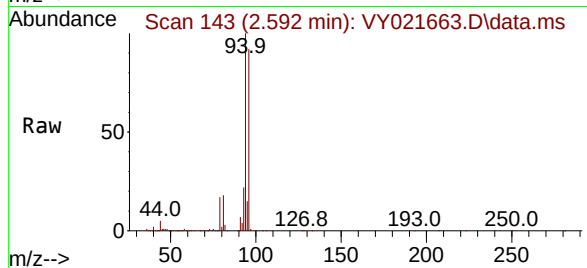
Tgt Ion: 62 Resp: 193909
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3





#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

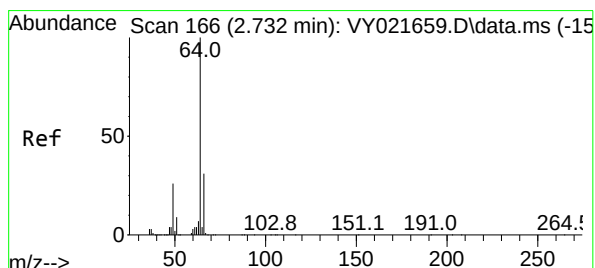
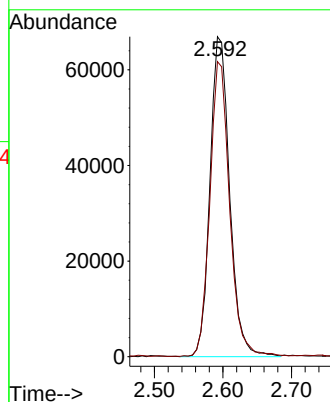
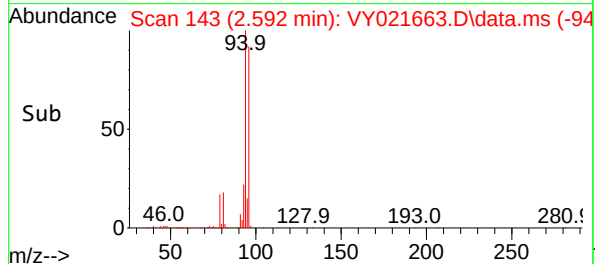
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 94 Resp: 133650
Ion Ratio Lower Upper
94 100
96 92.1 72.8 109.2

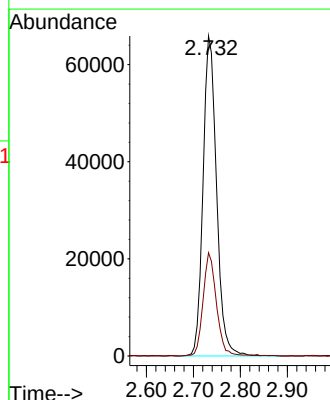
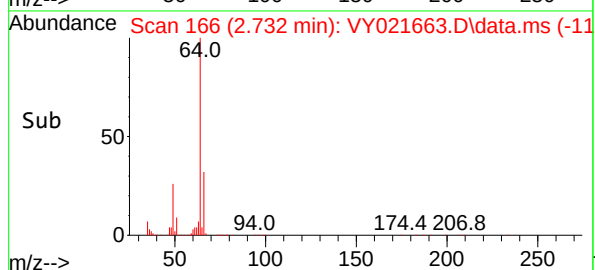
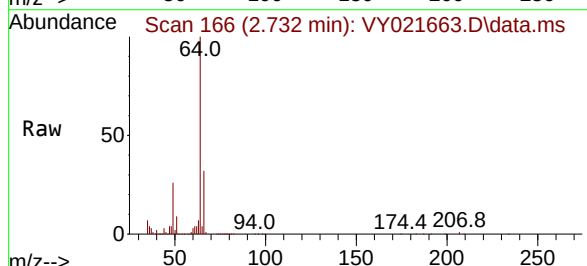
Manual Integrations
APPROVED

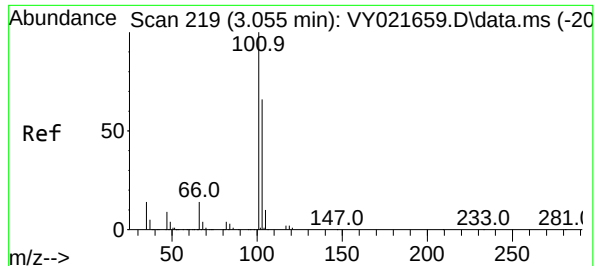
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

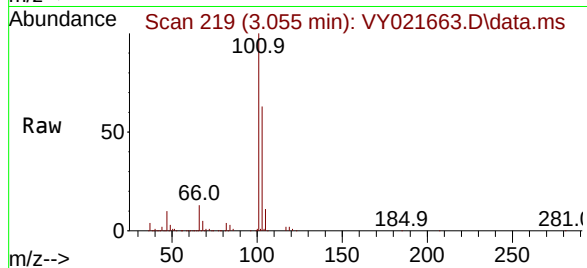
Tgt Ion: 64 Resp: 131646
Ion Ratio Lower Upper
64 100
66 32.2 24.9 37.3





#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

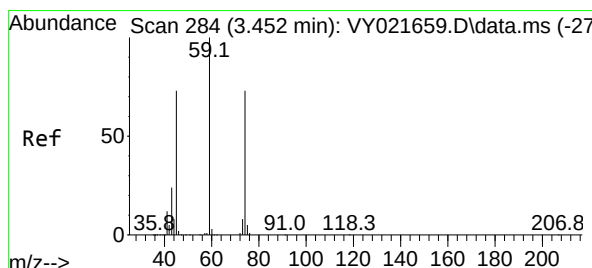
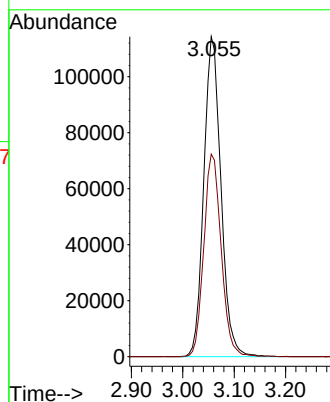
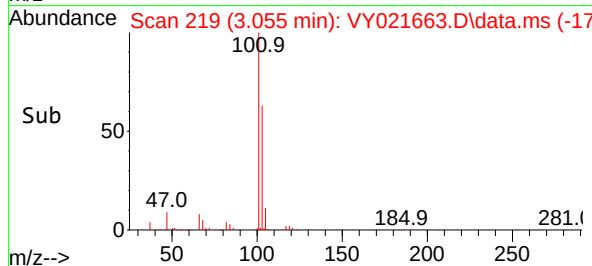
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:101 Resp: 264850
Ion Ratio Lower Upper
101 100
103 63.3 53.1 79.7

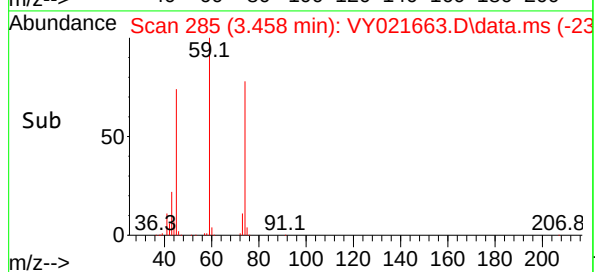
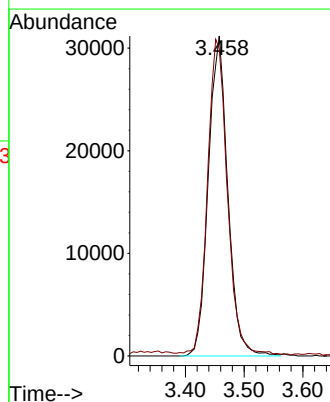
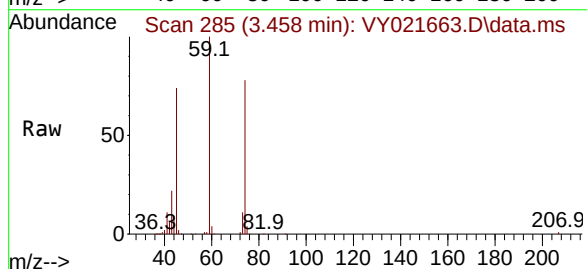
Manual Integrations
APPROVED

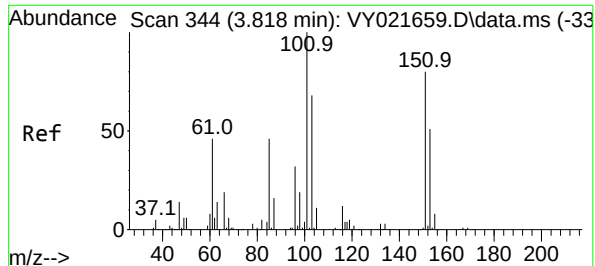
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

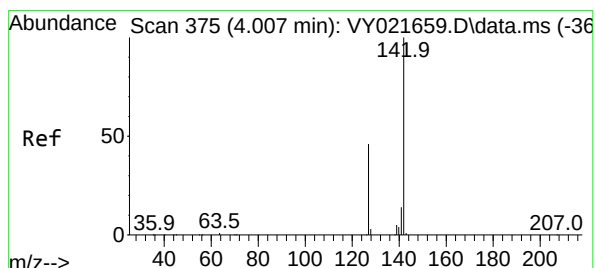
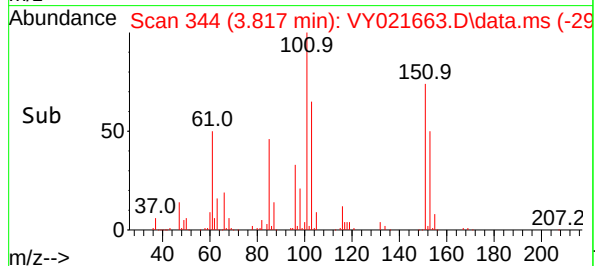
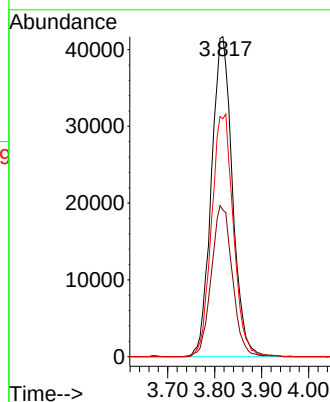
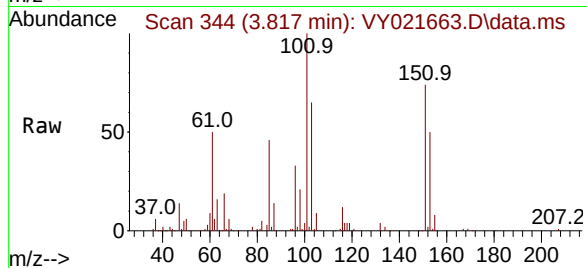
ICVVY032725

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

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



#10

Methyl Iodide

Concen: 48.859 ug/l

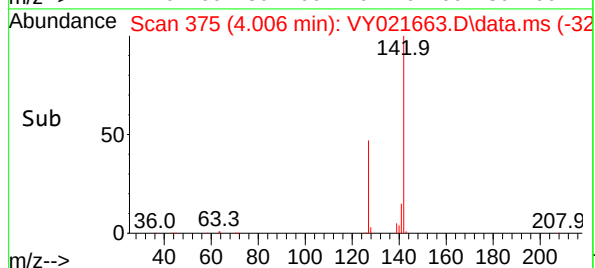
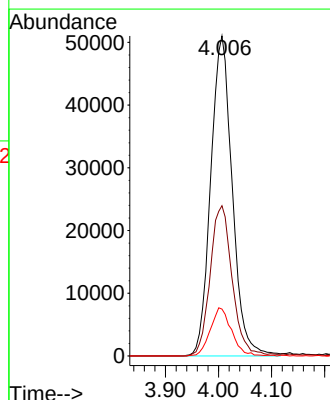
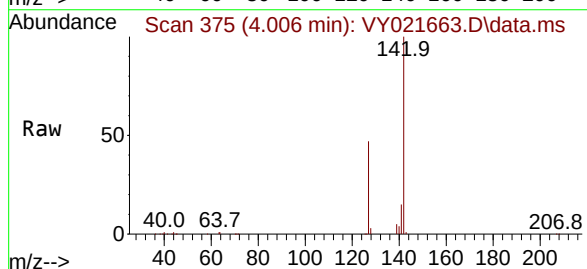
RT: 4.006 min Scan# 375

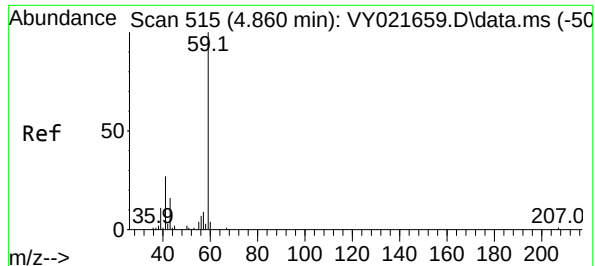
Delta R.T. -0.000 min

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 :

ICVY032725

Tgt Ion: 59 Resp: 40598

Ion Ratio Lower Upper

59 100

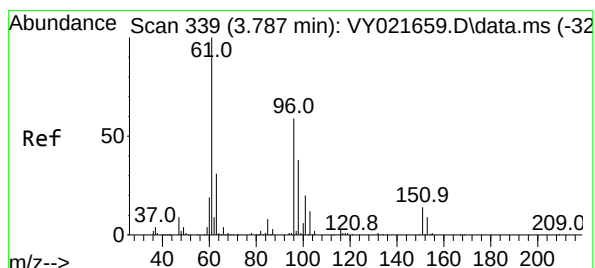
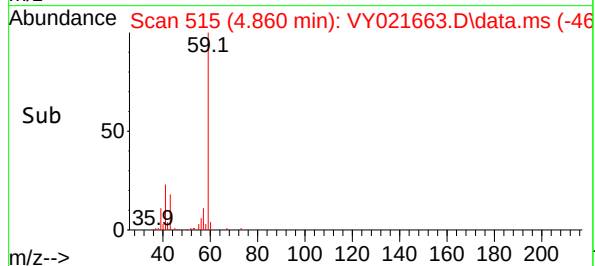
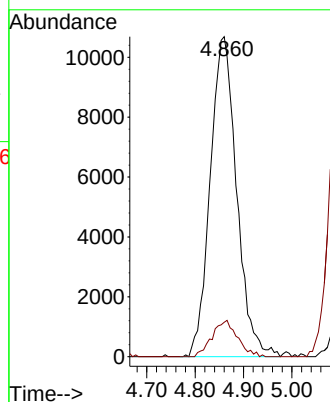
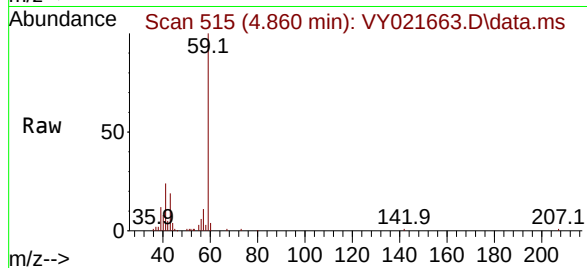
57 10.9 9.2 13.8

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

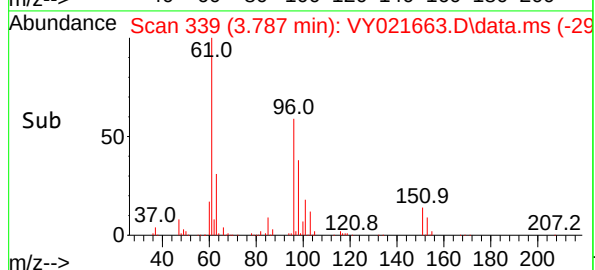
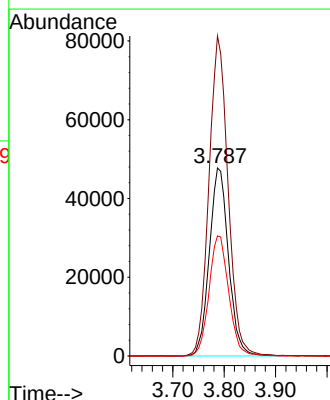
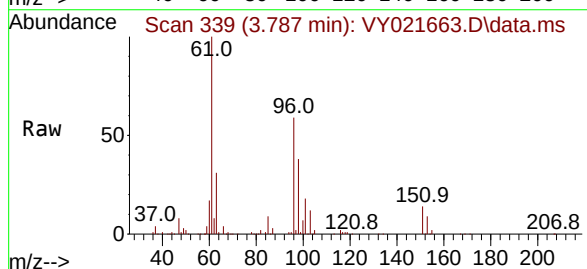
Tgt Ion: 96 Resp: 123904

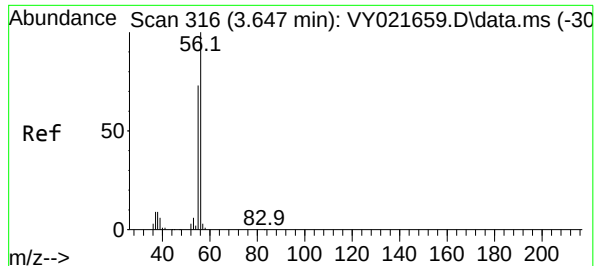
Ion Ratio Lower Upper

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

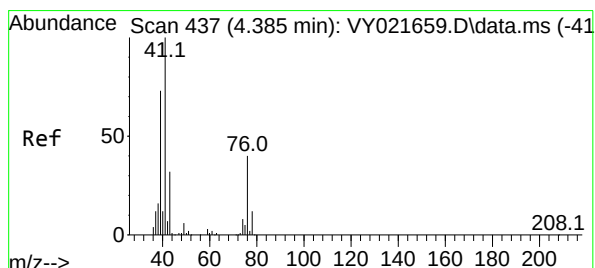
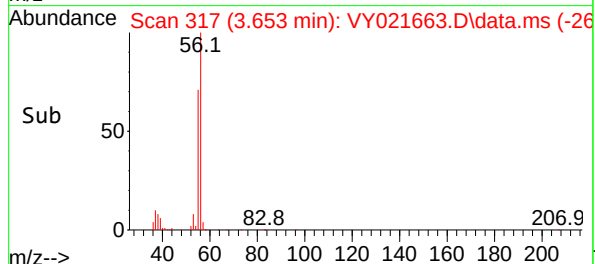
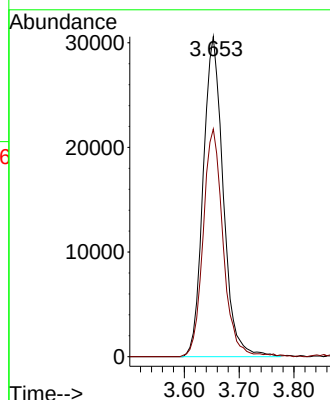
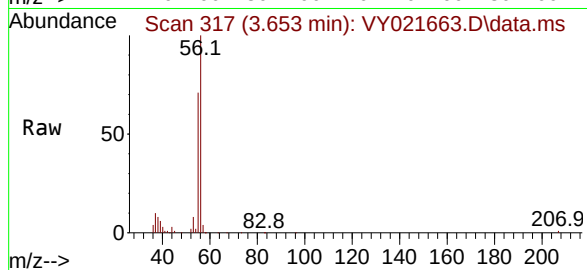
55 71.0 56.6 85.0

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

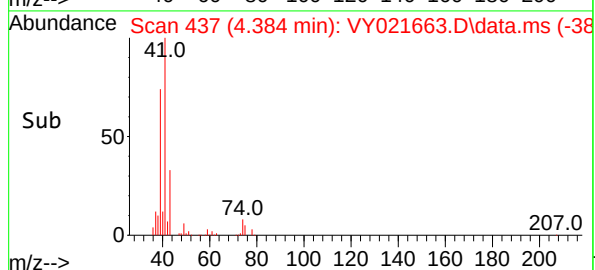
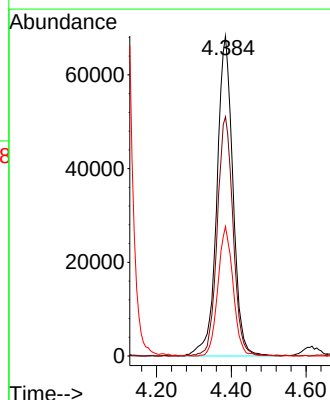
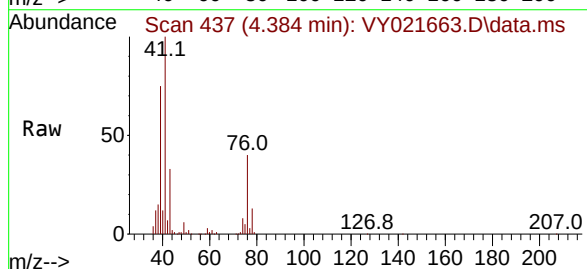
Tgt Ion: 41 Resp: 203289

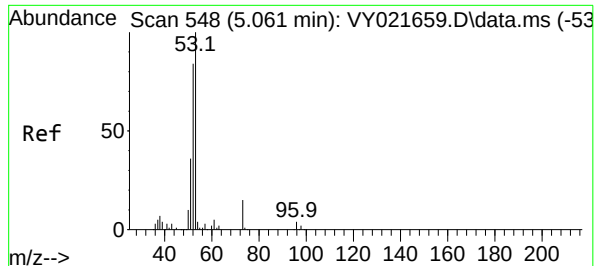
Ion Ratio Lower Upper

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

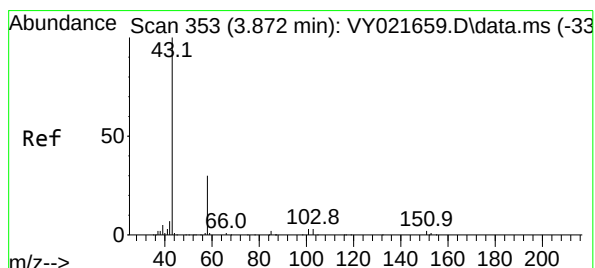
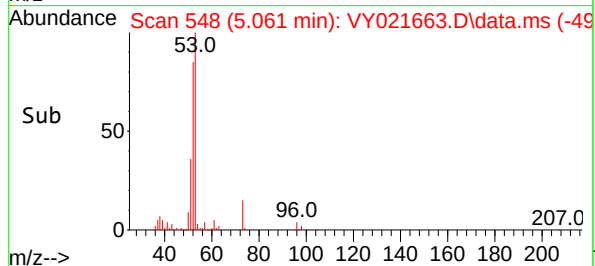
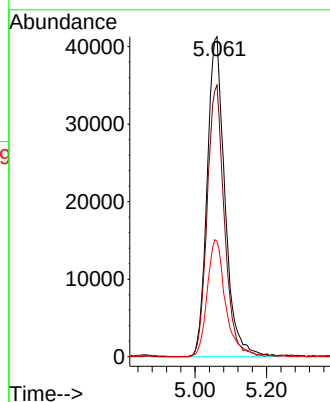
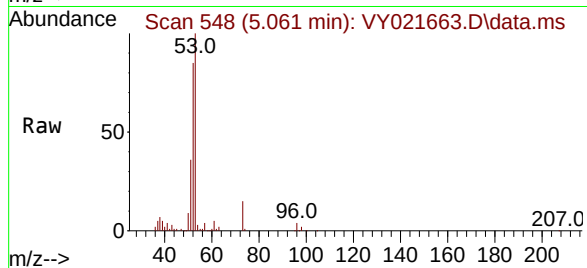
51 37.9 30.2 45.2

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

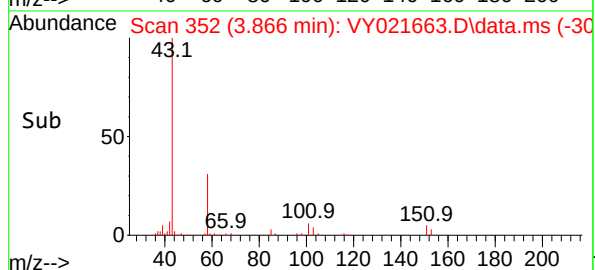
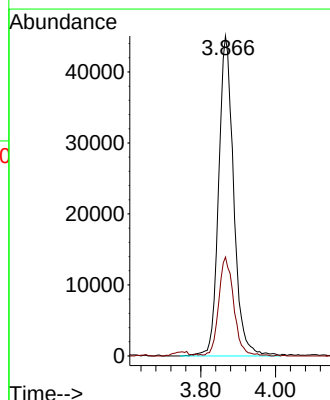
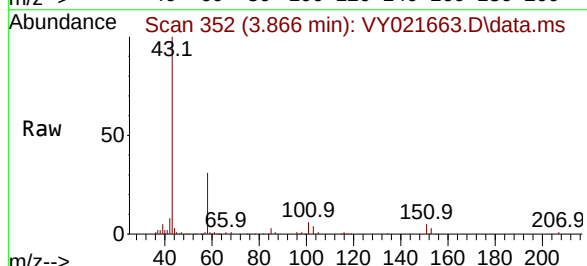
Acq: 27 Mar 2025 13:15

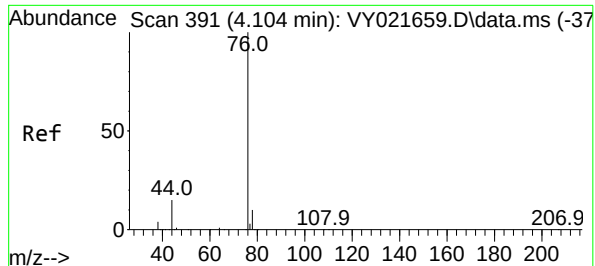
Tgt Ion: 43 Resp: 125654

Ion Ratio Lower Upper

43 100

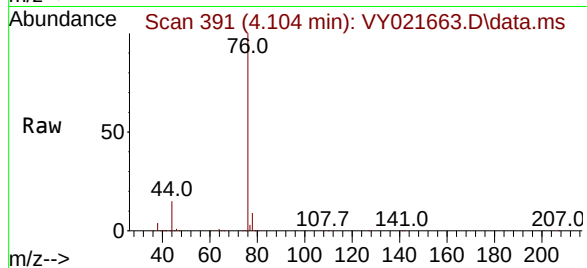
58 30.9 24.2 36.4





#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

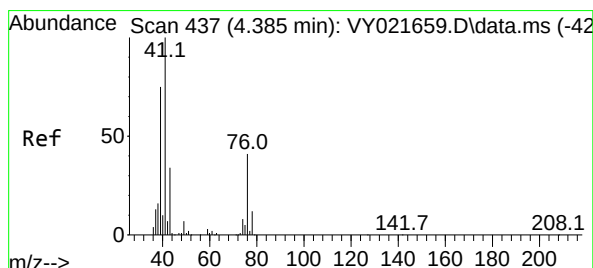
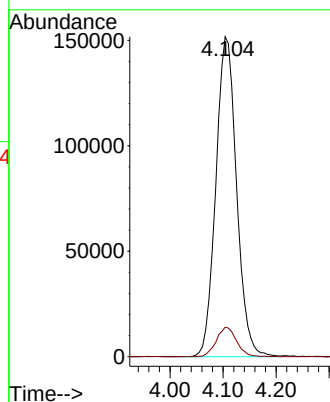
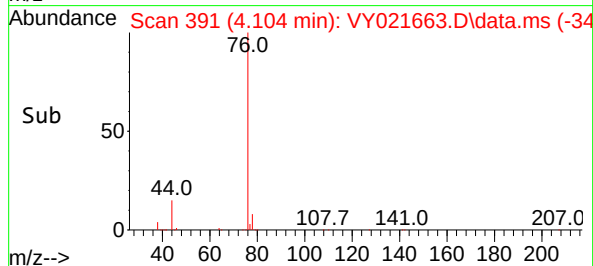
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 76 Resp: 41202
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

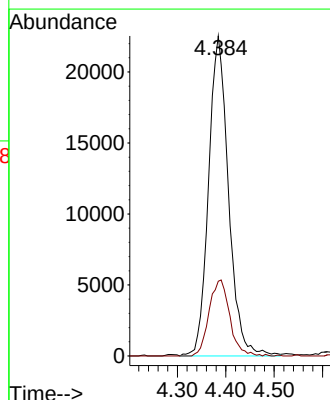
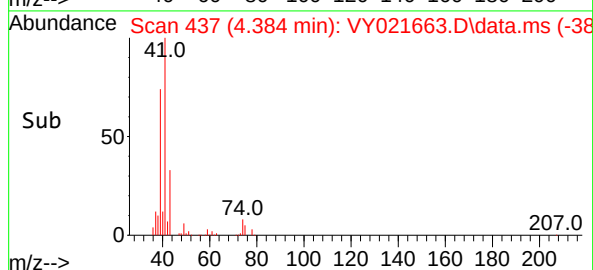
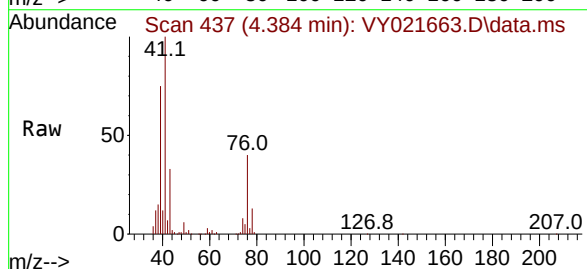
Manual Integrations
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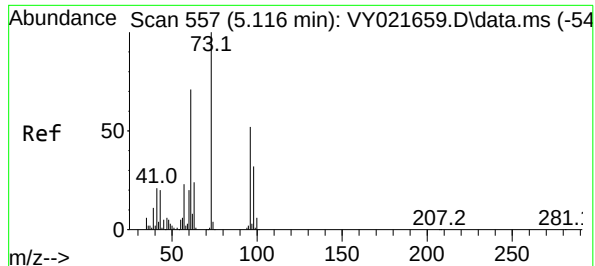
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

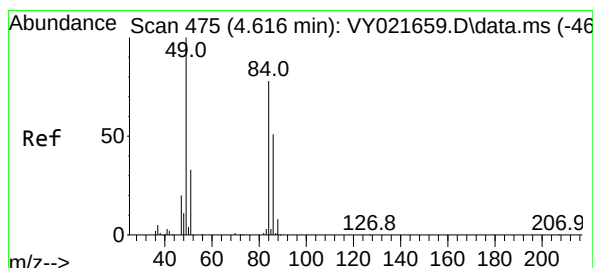
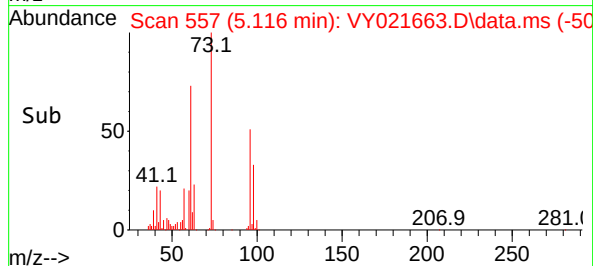
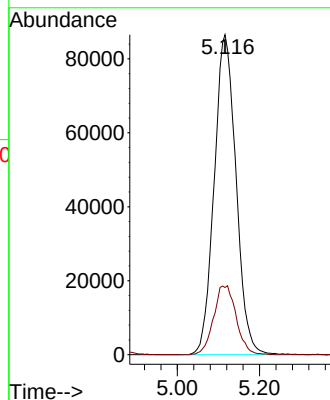
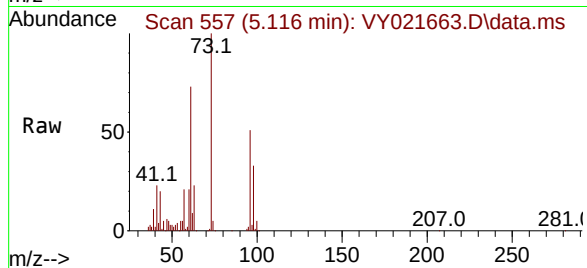
57 21.0 18.1 27.1

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

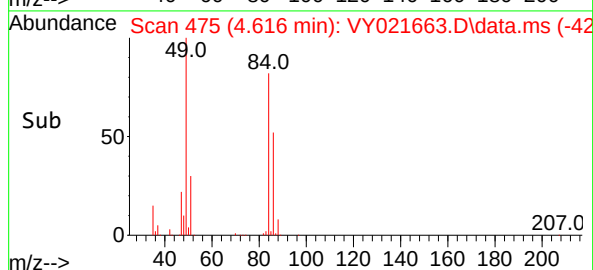
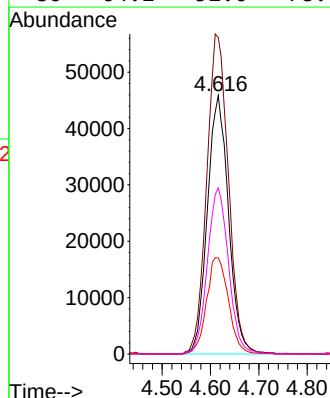
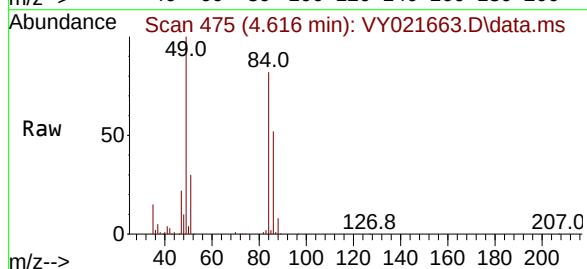
Ion Ratio Lower Upper

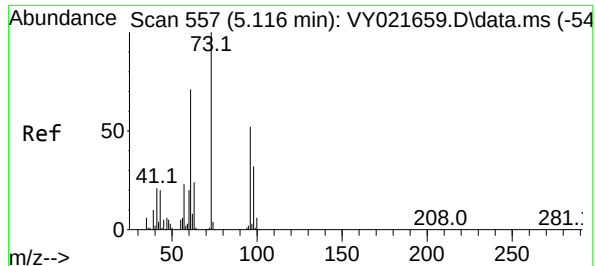
84 100

49 122.3 102.8 154.2

51 37.2 33.5 50.3

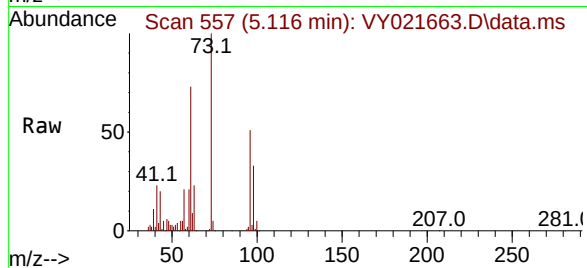
86 64.2 52.0 78.0





#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

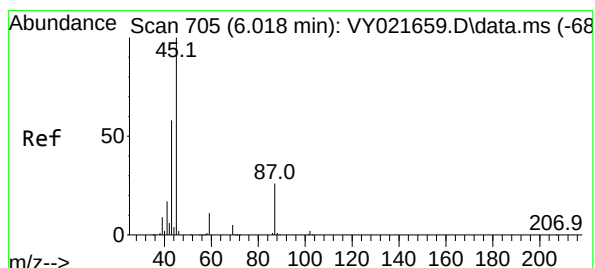
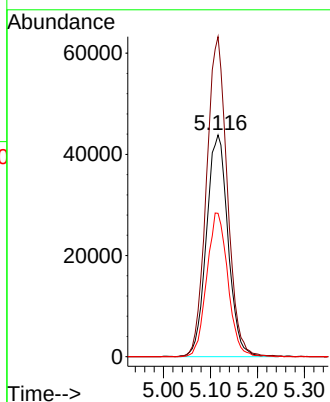
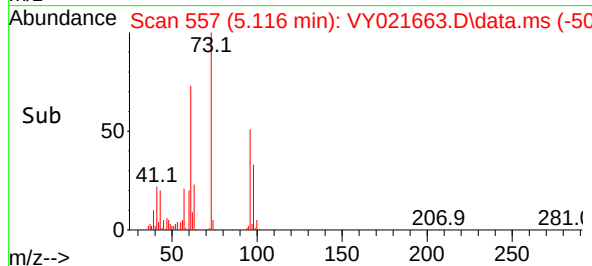
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



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

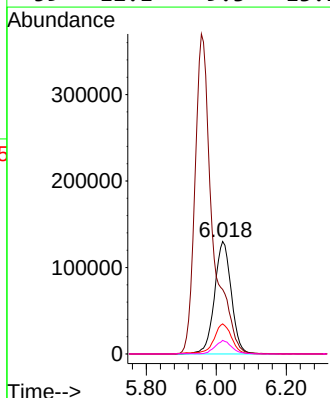
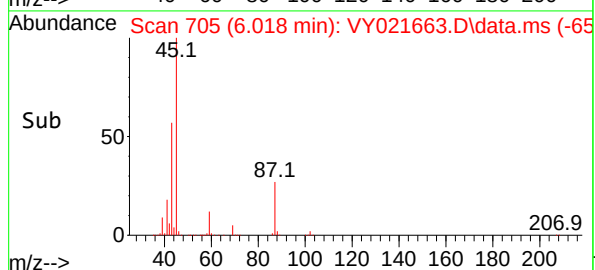
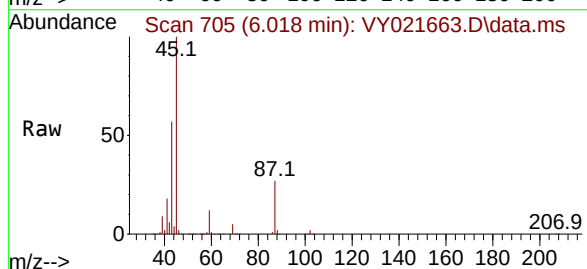
Manual Integrations
APPROVED

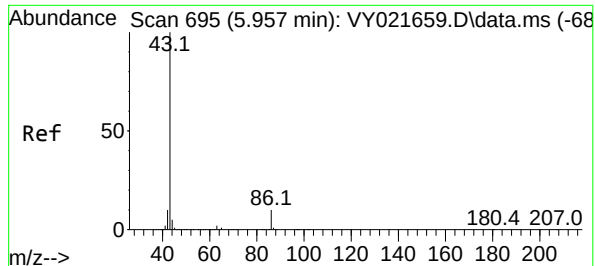
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

ICVVY032725

Tgt Ion: 43 Resp: 127084

Ion Ratio Lower Upper

43 100

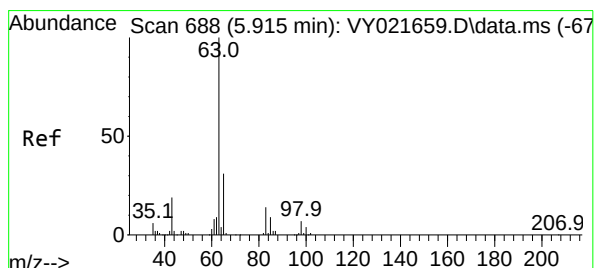
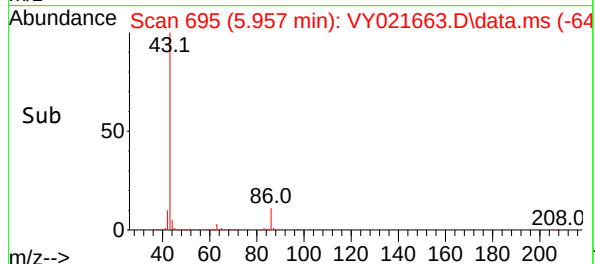
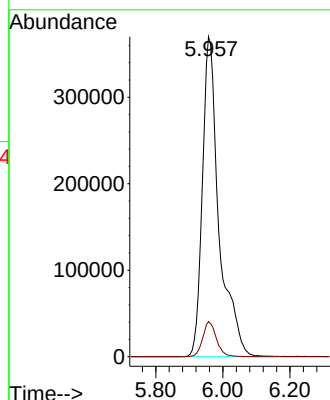
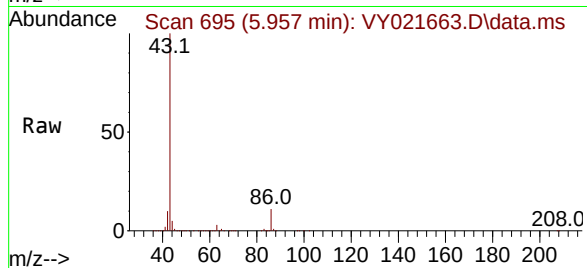
86 10.9 8.2 12.2

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

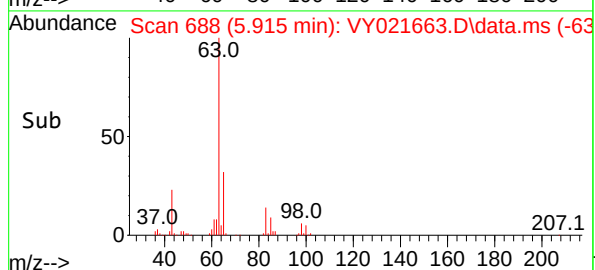
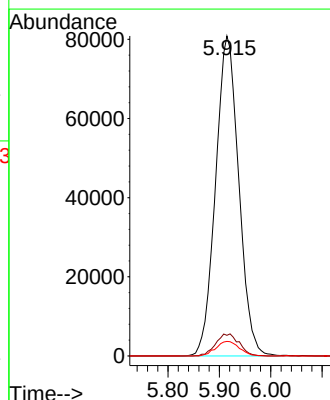
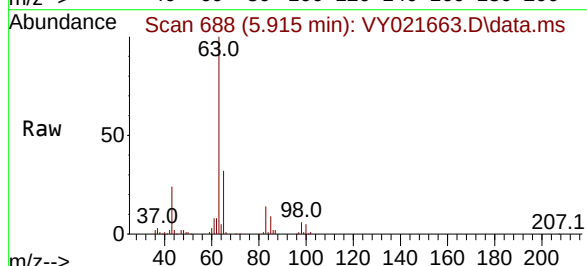
Tgt Ion: 63 Resp: 253080

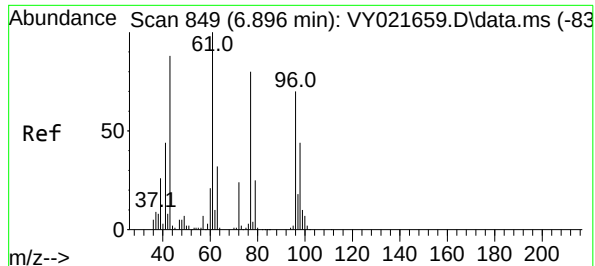
Ion Ratio Lower Upper

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

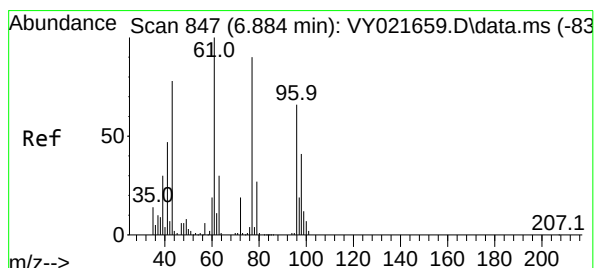
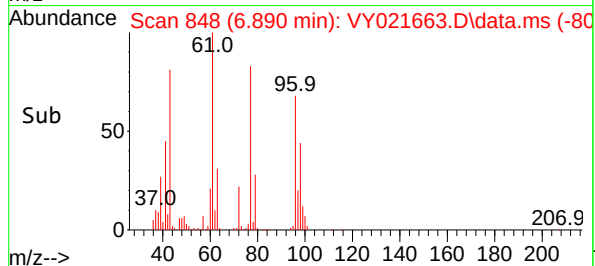
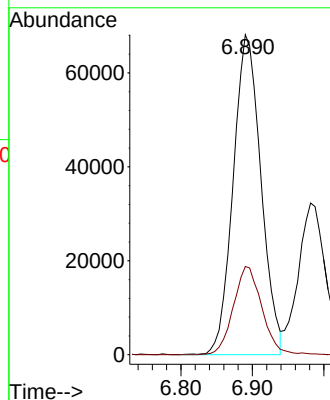
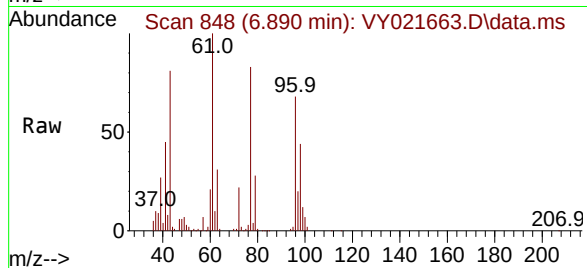
72 27.6 21.4 32.2

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

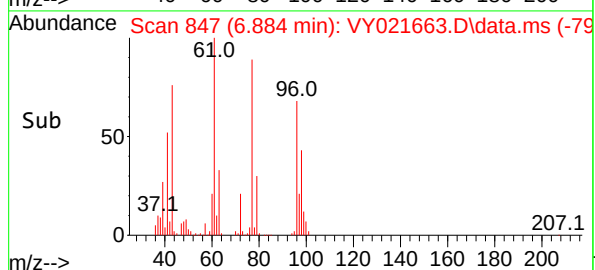
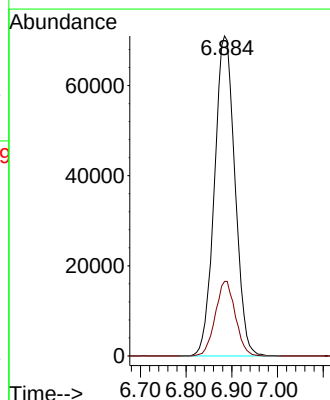
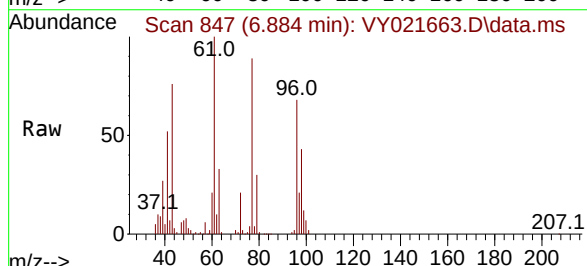
Acq: 27 Mar 2025 13:15

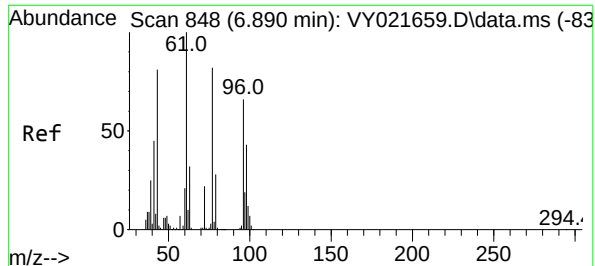
Tgt Ion: 77 Resp: 221076

Ion Ratio Lower Upper

77 100

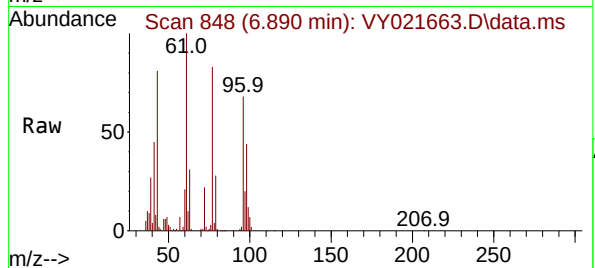
97 22.8 11.1 33.1





#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

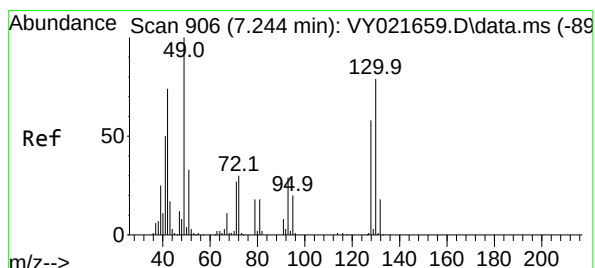
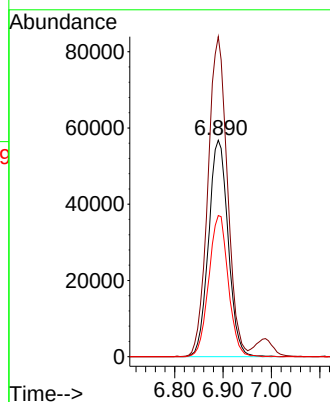
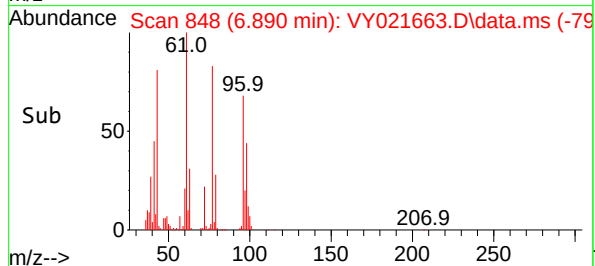
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

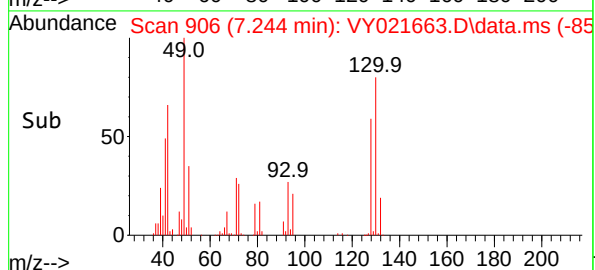
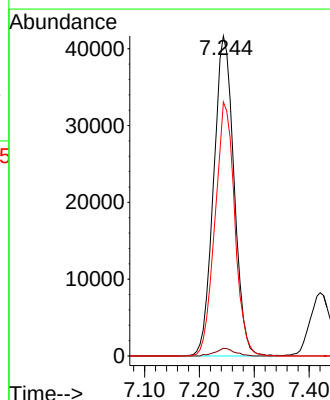
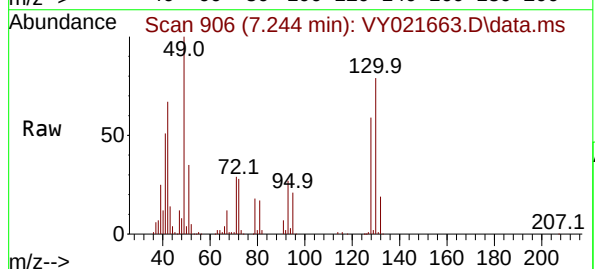
Manual Integrations
APPROVED

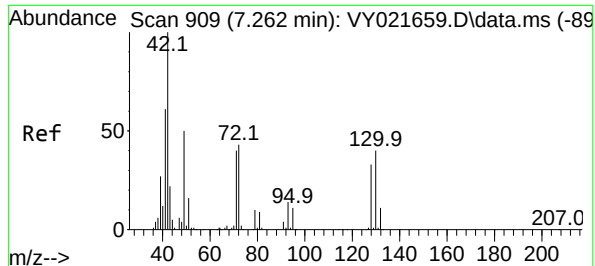
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

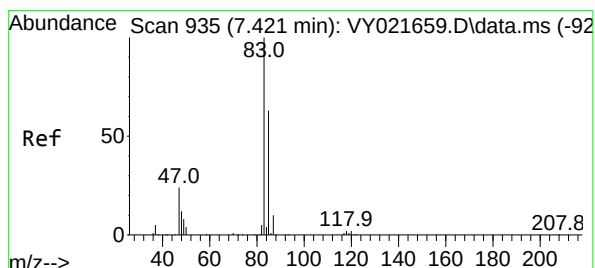
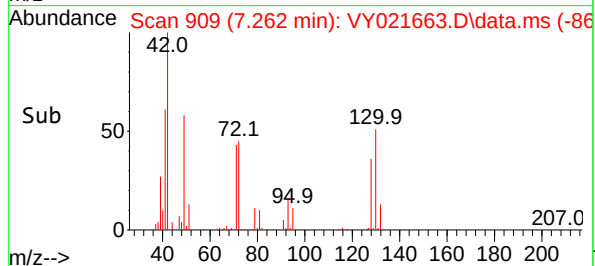
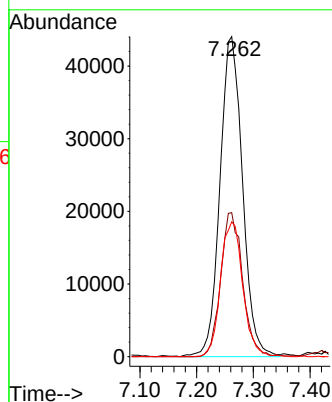
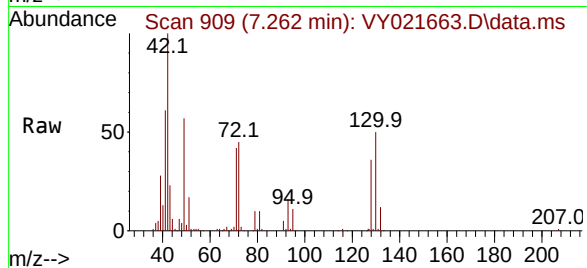
71 41.5 32.5 48.7

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

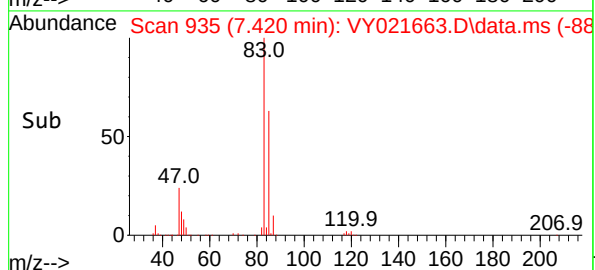
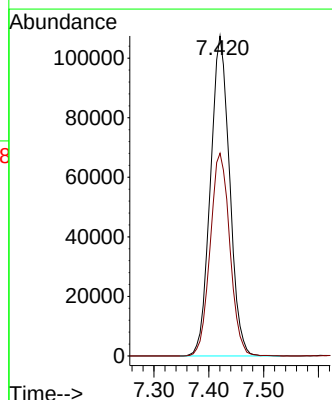
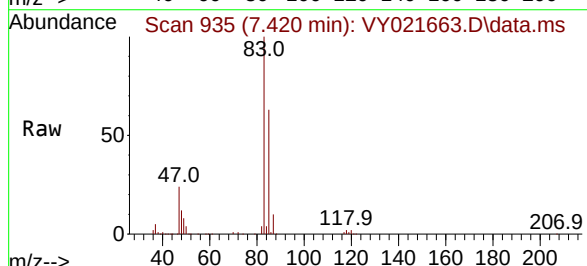
Acq: 27 Mar 2025 13:15

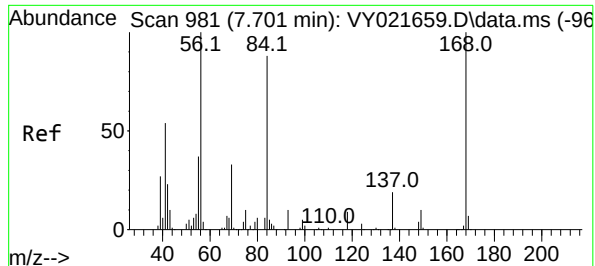
Tgt Ion: 83 Resp: 260540

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 :

ICVVY032725

Tgt Ion: 56 Resp: 220748

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

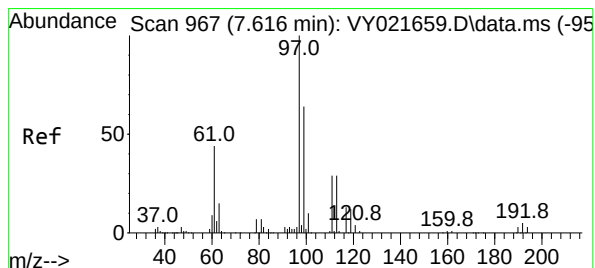
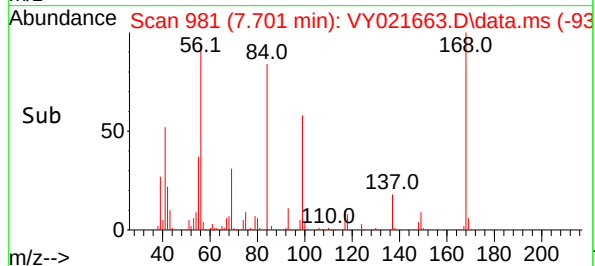
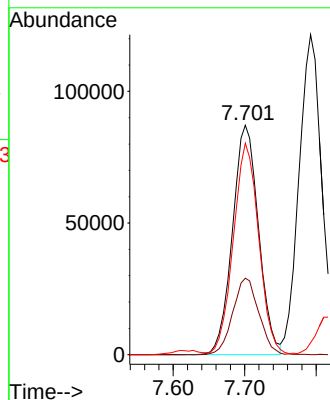
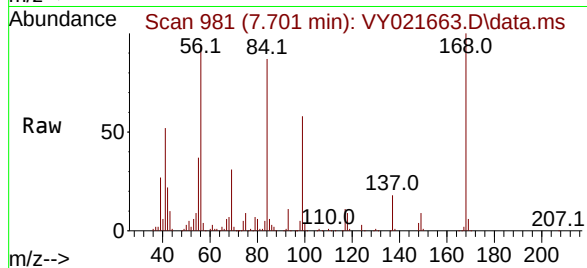
84 90.4 69.0 103.4

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

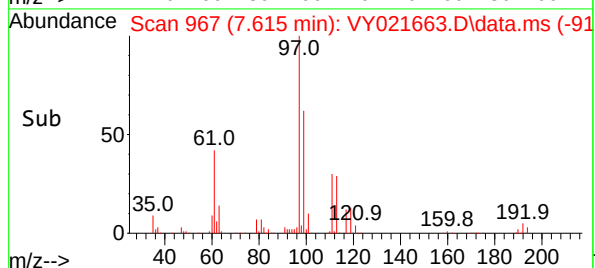
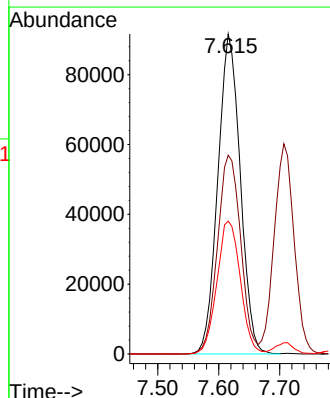
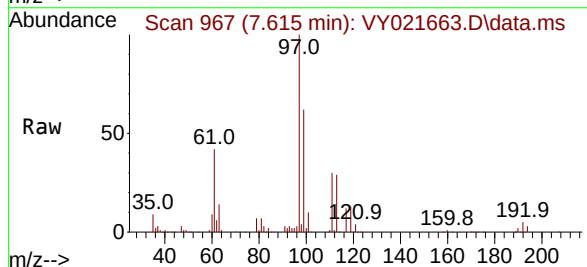
Tgt Ion: 97 Resp: 234663

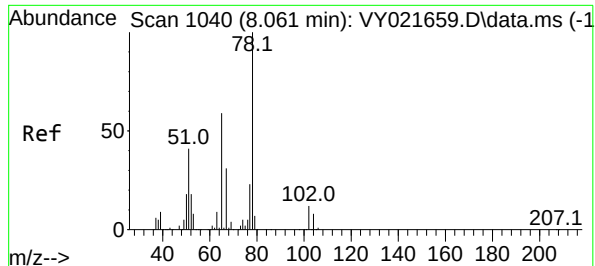
Ion Ratio Lower Upper

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

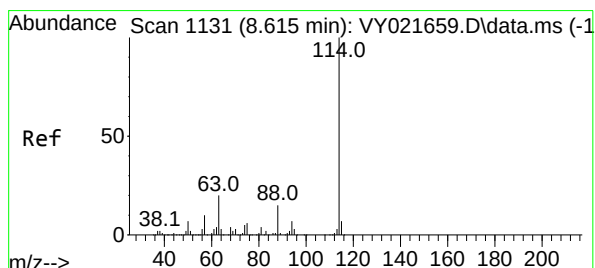
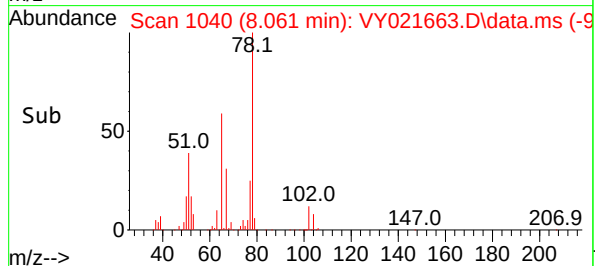
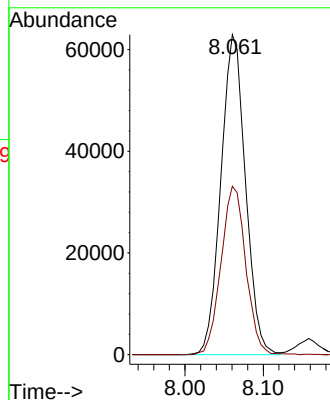
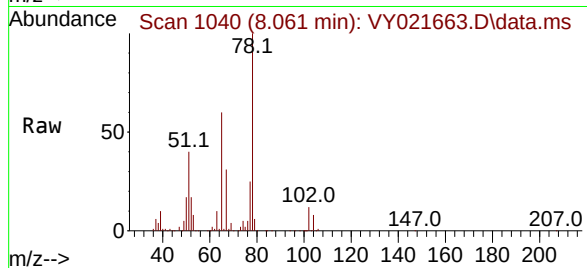
67 53.0 0.0 104.6

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

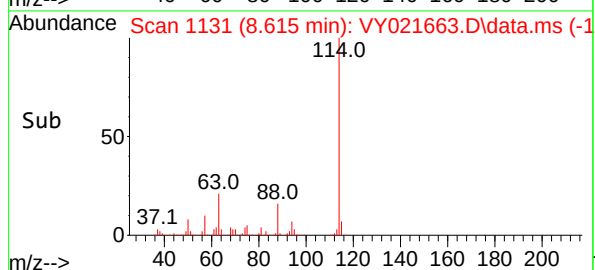
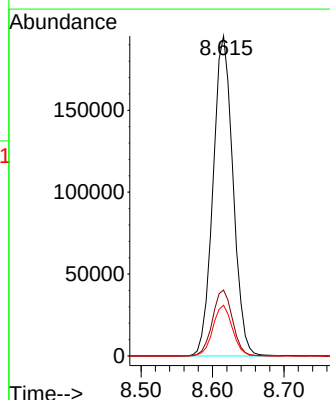
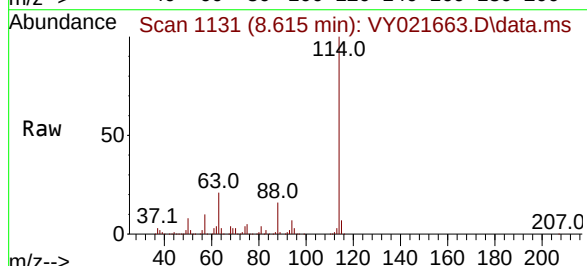
Tgt Ion:114 Resp: 378246

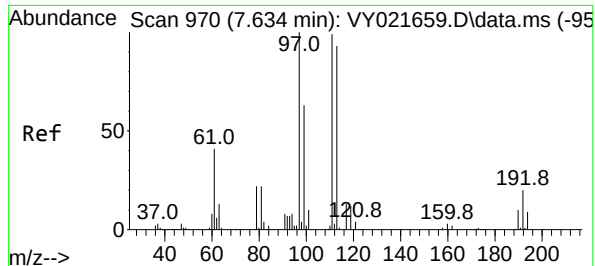
Ion Ratio Lower Upper

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

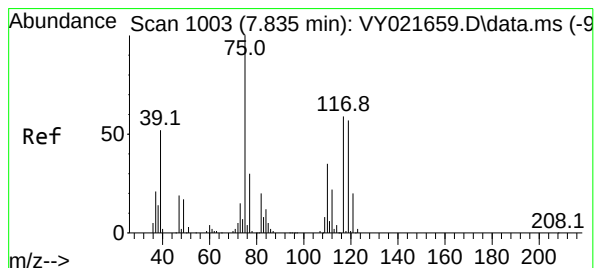
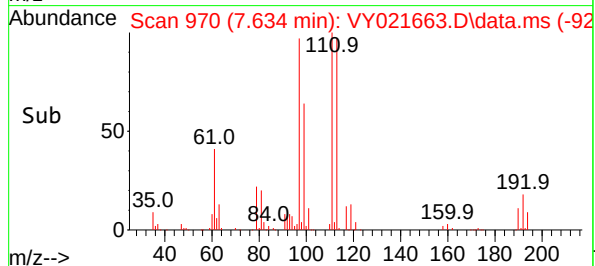
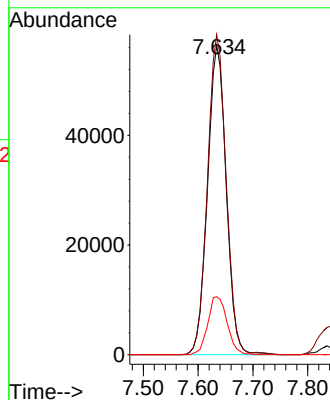
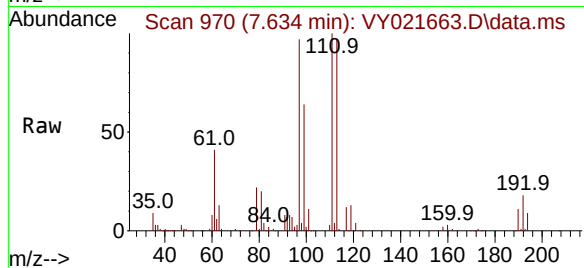
192 19.5 16.2 24.4

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

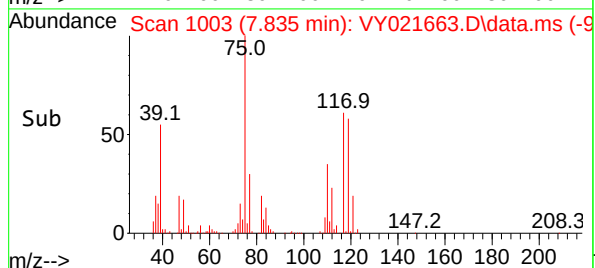
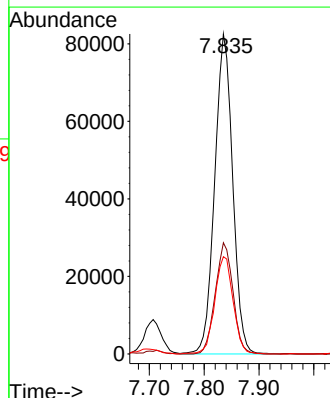
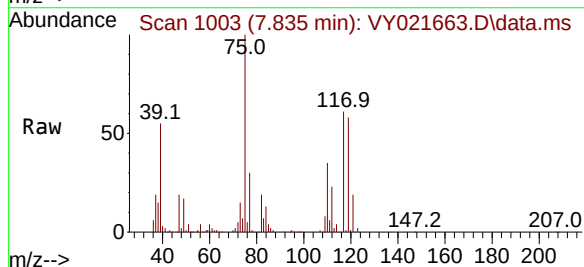
Tgt Ion: 75 Resp: 188082

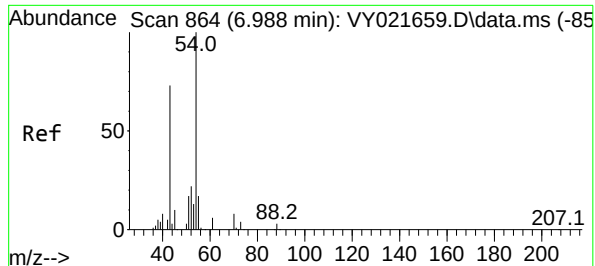
Ion Ratio Lower Upper

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 :

ICVY032725

Tgt Ion: 43 Resp: 8668

Ion Ratio Lower Upper

43 100

61 14.4 11.0 16.6

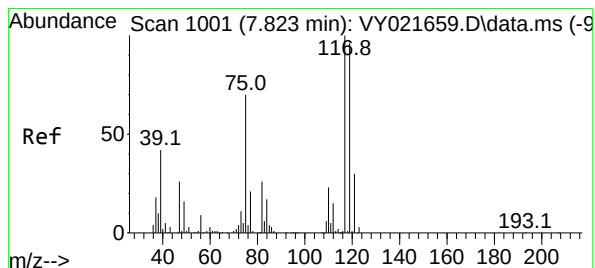
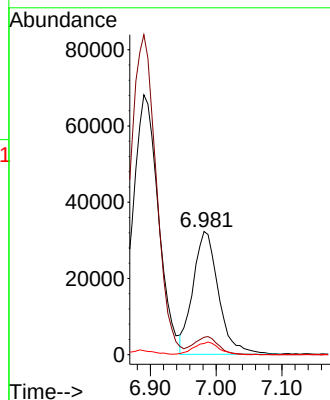
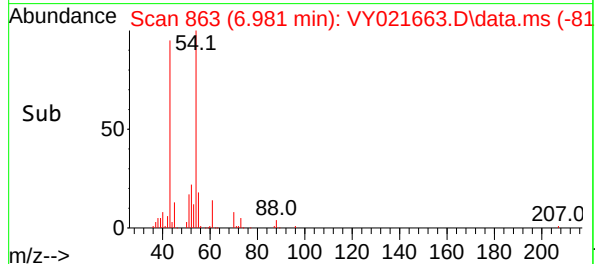
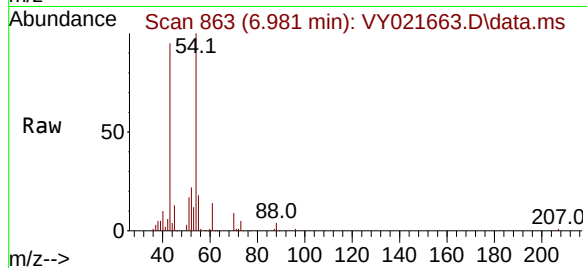
70 10.1 8.1 12.1

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

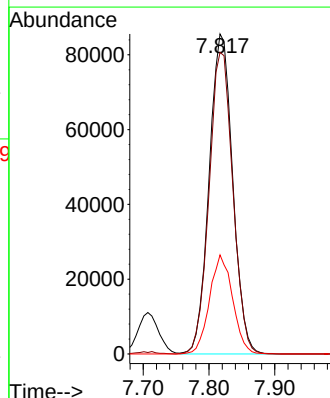
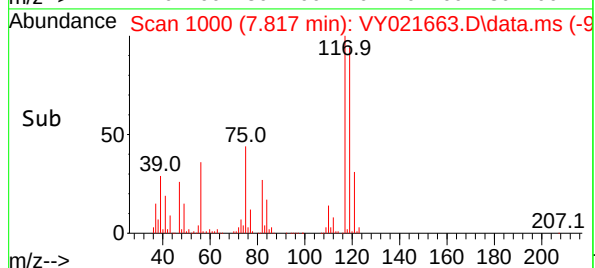
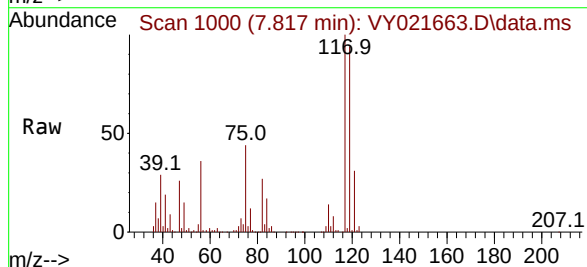
Tgt Ion:117 Resp: 213223

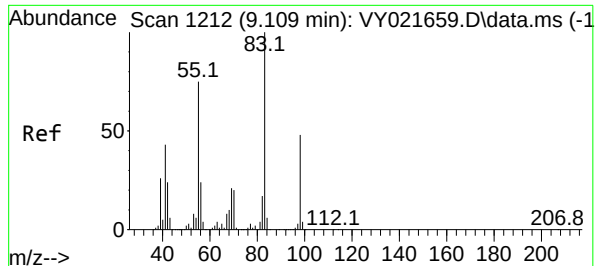
Ion Ratio Lower Upper

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

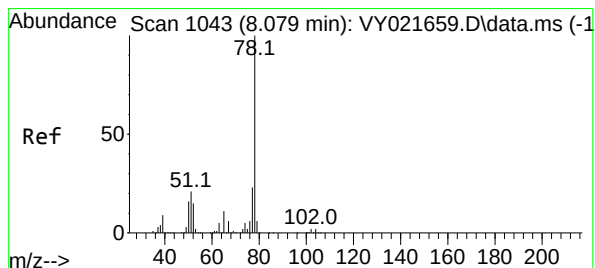
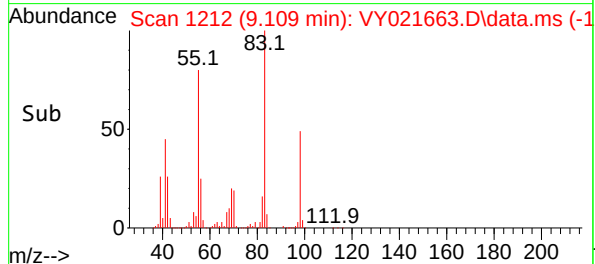
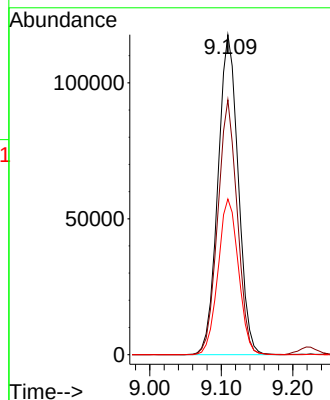
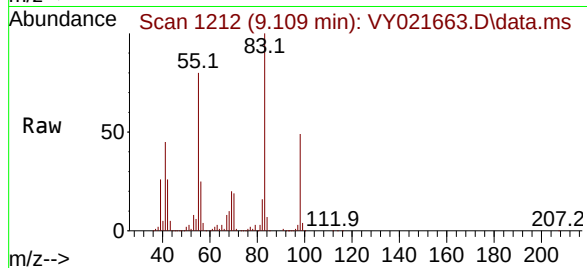
98 48.7 38.3 57.5

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

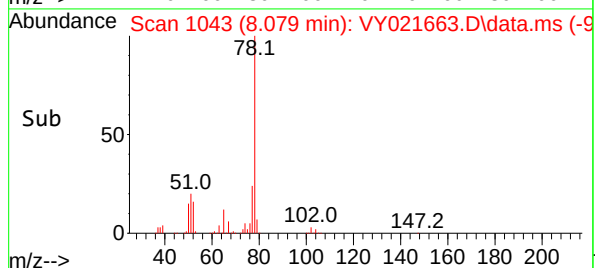
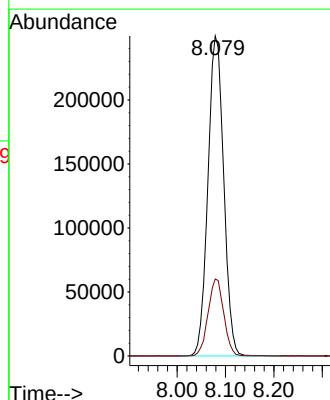
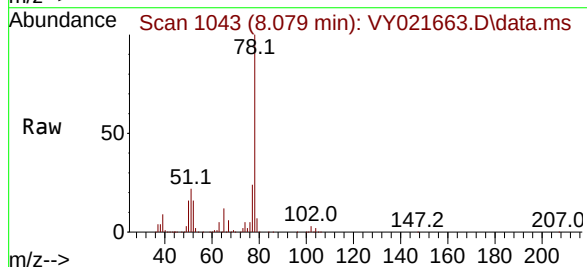
Acq: 27 Mar 2025 13:15

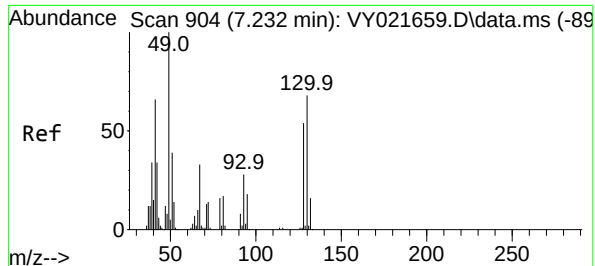
Tgt Ion: 78 Resp: 566027

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

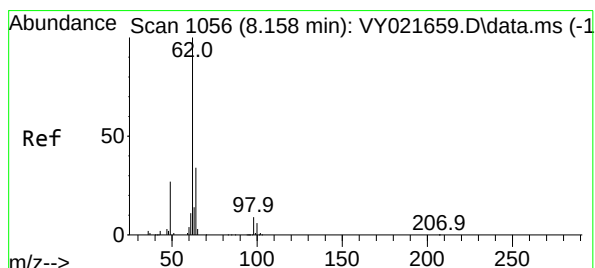
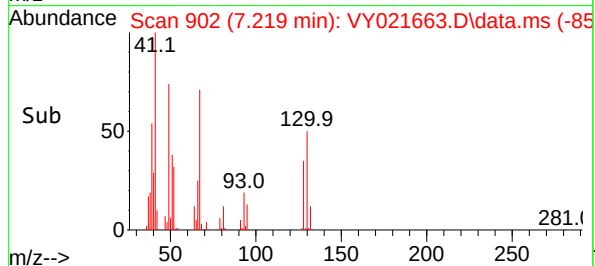
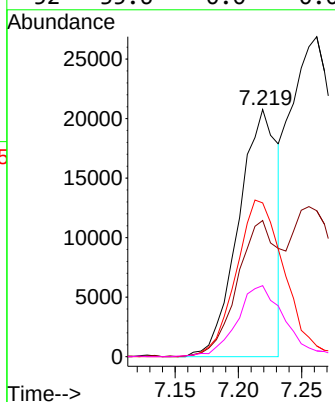
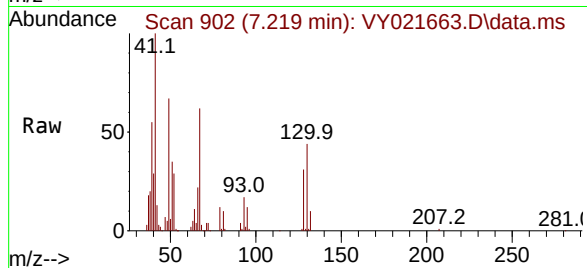
39 62.6 0.0 0.0

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

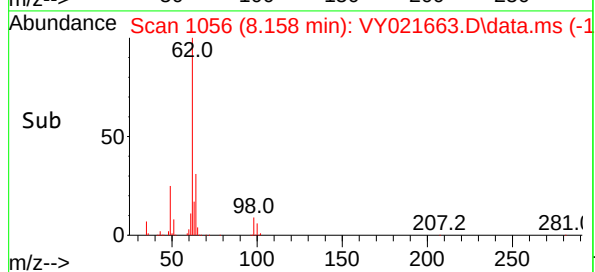
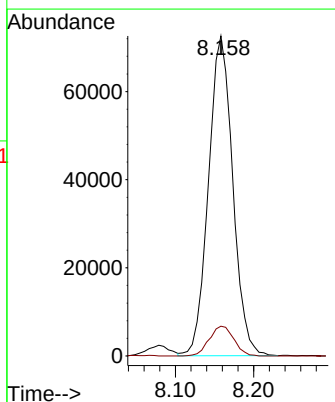
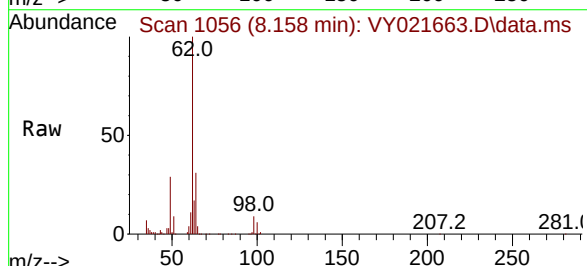
Acq: 27 Mar 2025 13:15

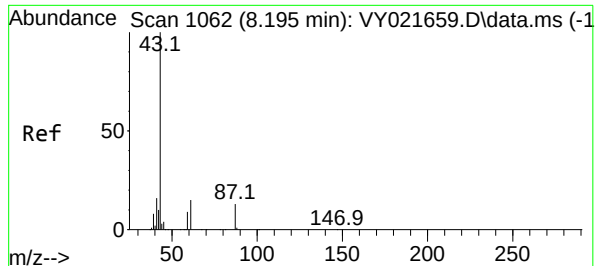
Tgt Ion: 62 Resp: 156359

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 :

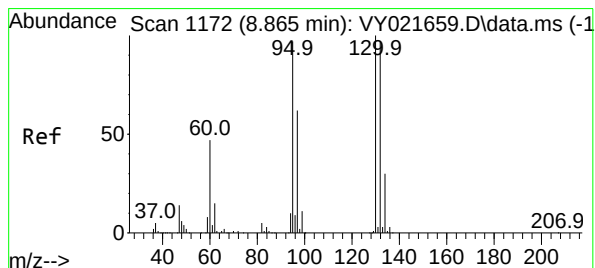
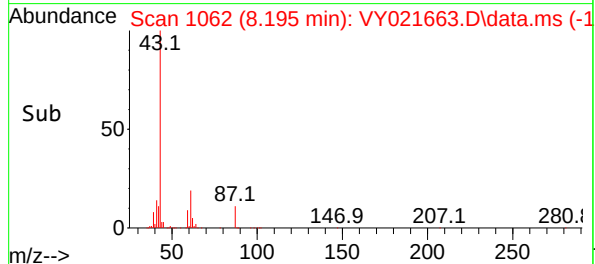
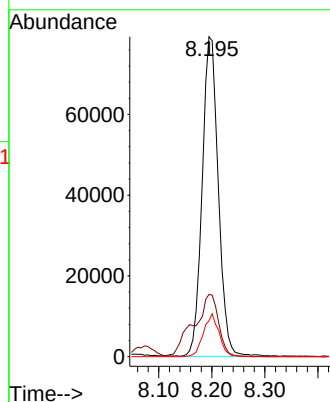
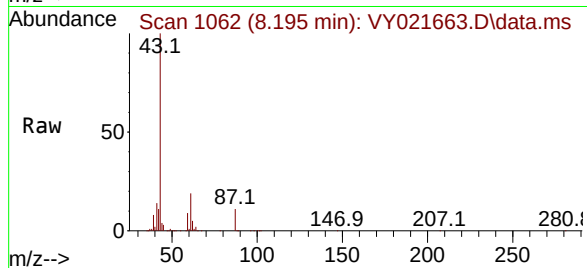
ICVY032725

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

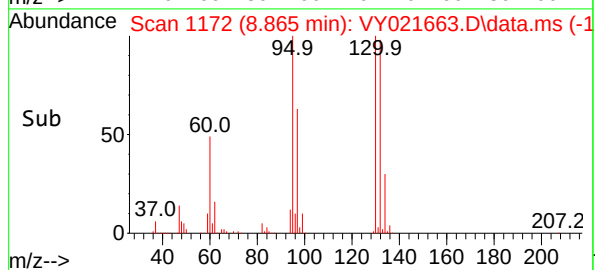
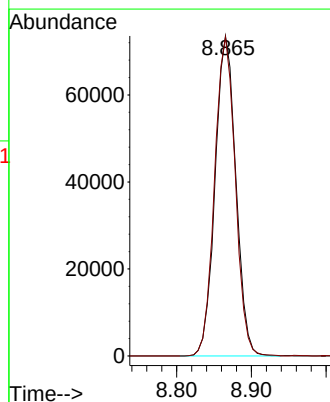
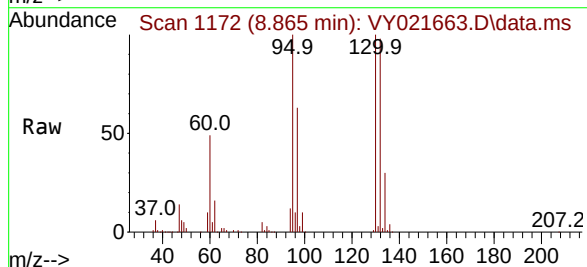
RT: 8.865 min Scan# 1172

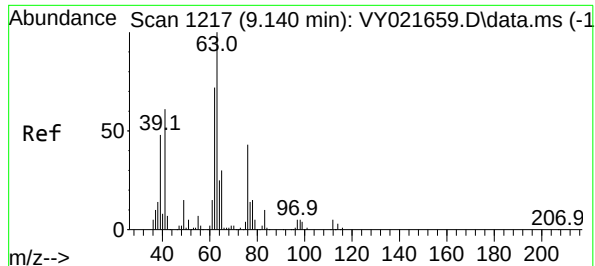
Delta R.T. -0.000 min

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

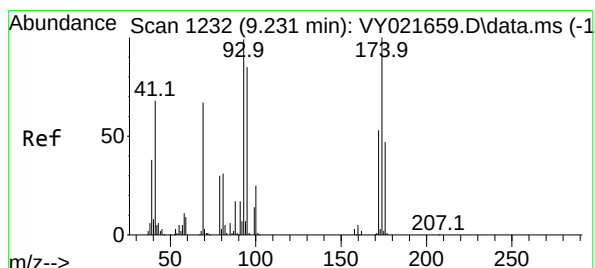
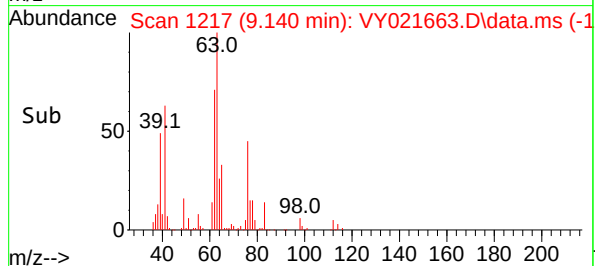
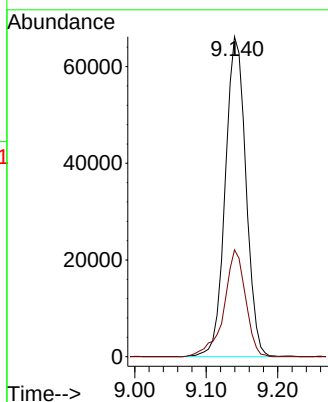
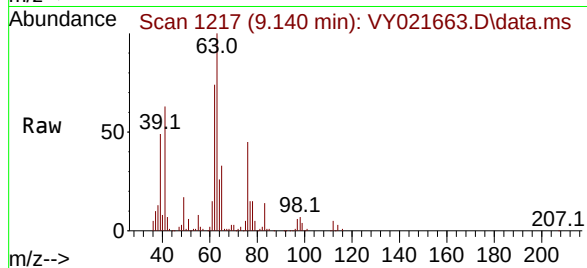
65 33.4 24.4 36.6

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

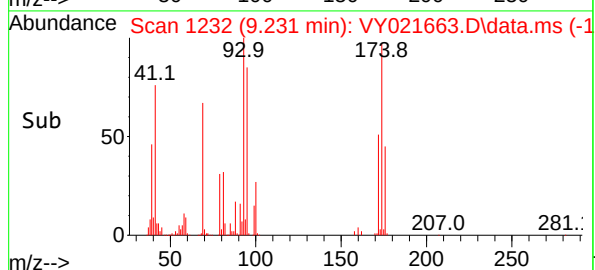
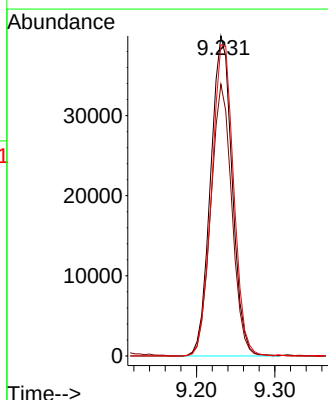
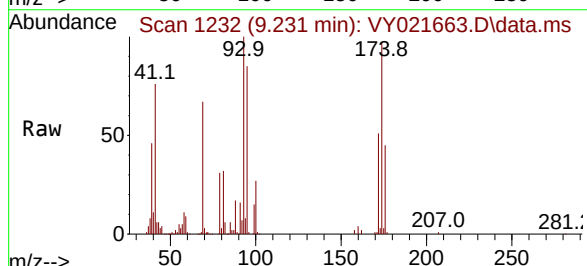
Tgt Ion: 93 Resp: 76421

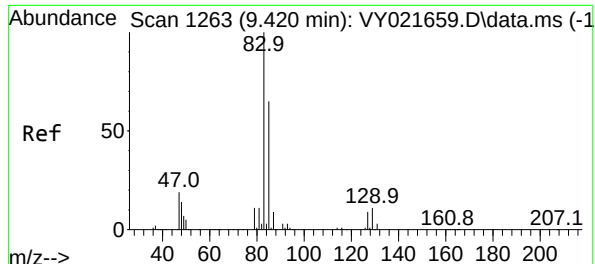
Ion Ratio Lower Upper

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

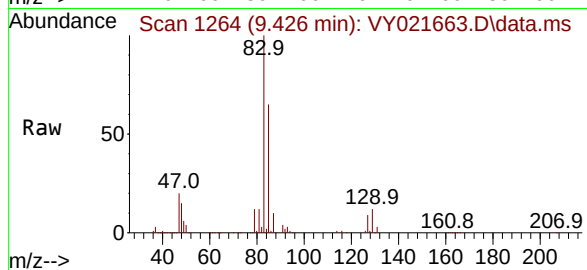
Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVY032725

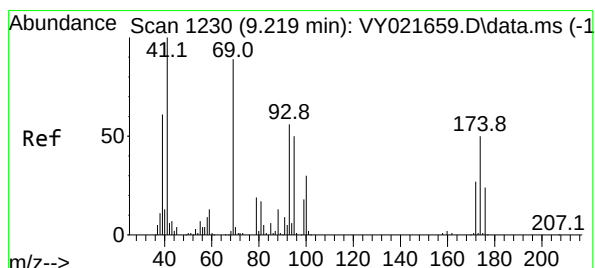
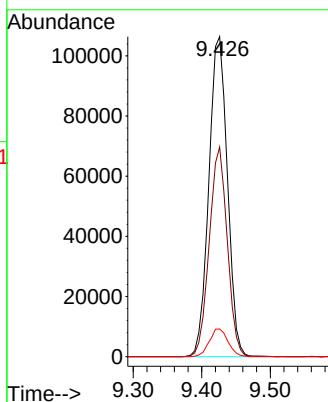
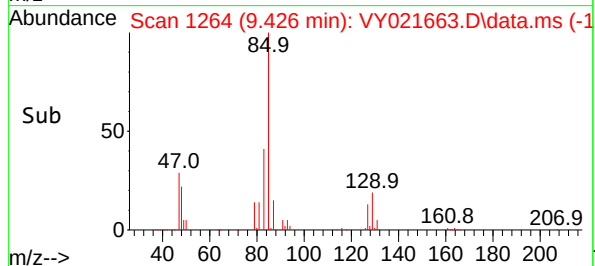


Tgt Ion:	83	Resp:	19991
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.7	6.8	10.2

Manual Integrations

APPROVED

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



#48

Methyl methacrylate

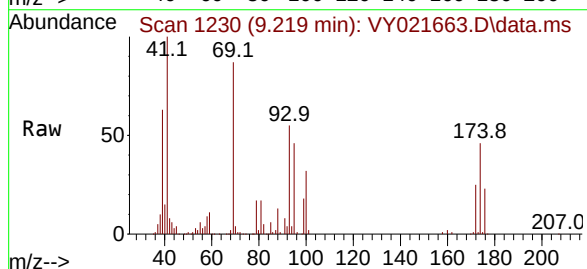
Concen: 52.076 ug/l

RT: 9.219 min Scan# 1230

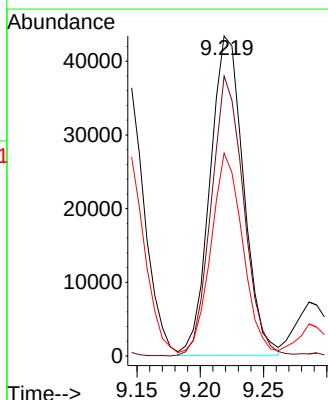
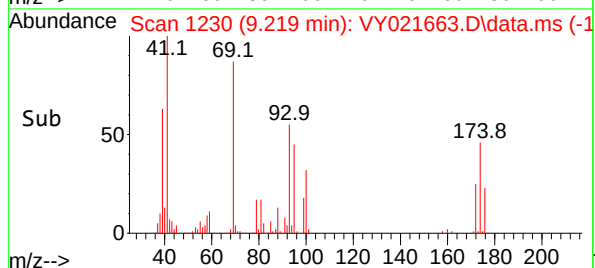
Delta R.T. -0.000 min

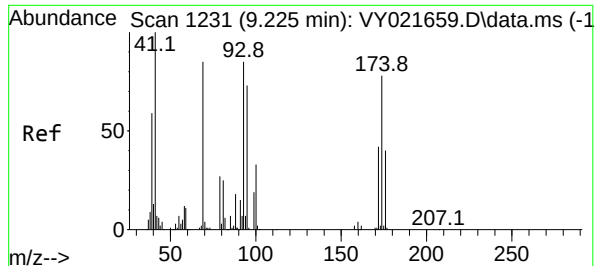
Lab File: VY021663.D

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 :

ICVY032725

Tgt Ion: 88 Resp: 16464

Ion Ratio Lower Upper

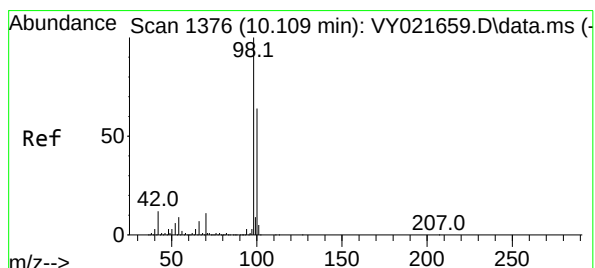
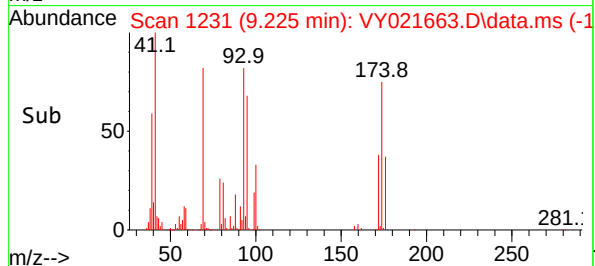
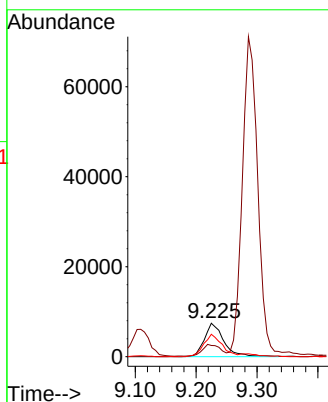
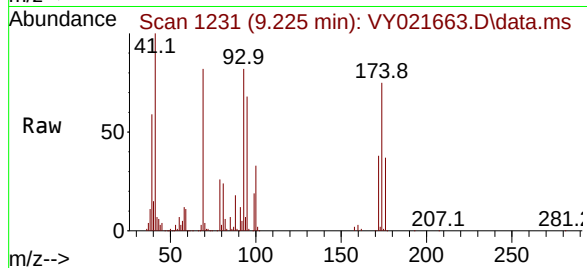
88 100

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

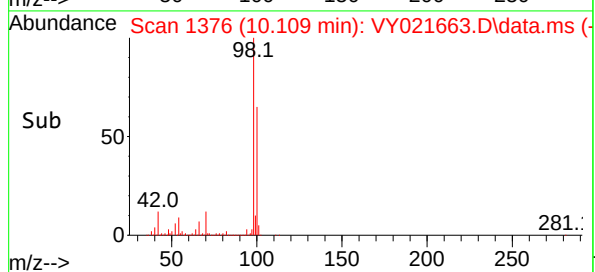
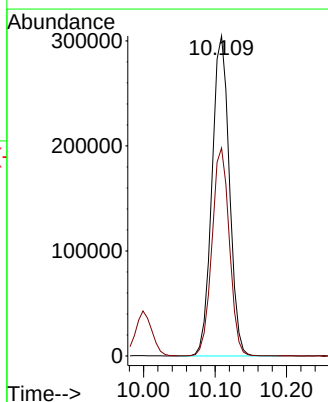
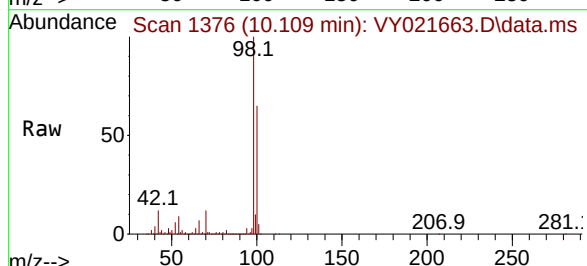
Acq: 27 Mar 2025 13:15

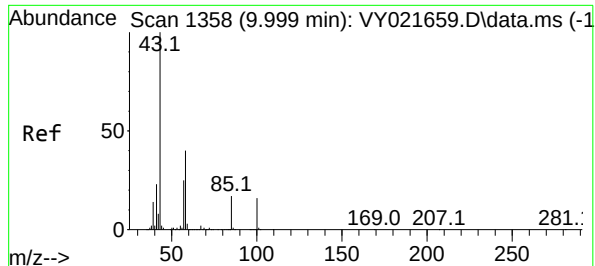
Tgt Ion: 98 Resp: 514482

Ion Ratio Lower Upper

98 100

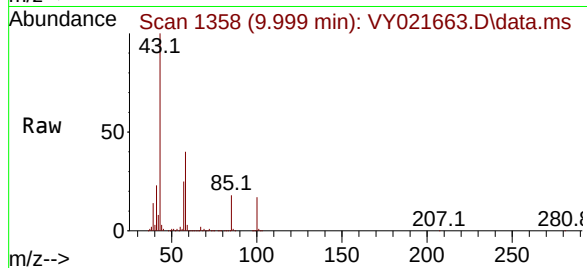
100 65.0 52.1 78.1





#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

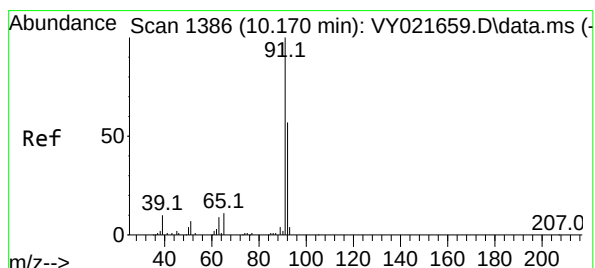
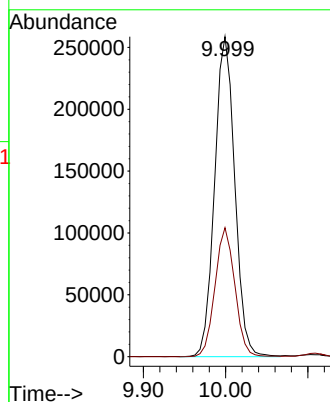
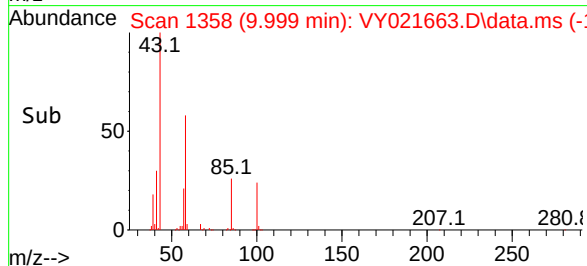
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 43 Resp: 439879
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3

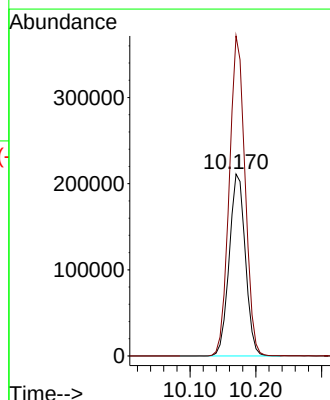
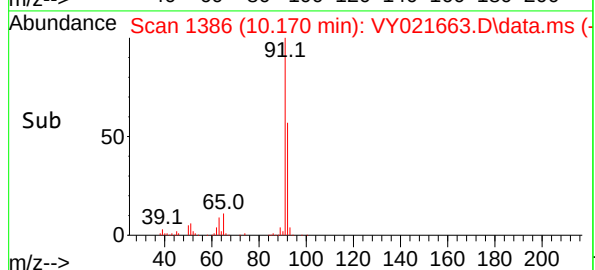
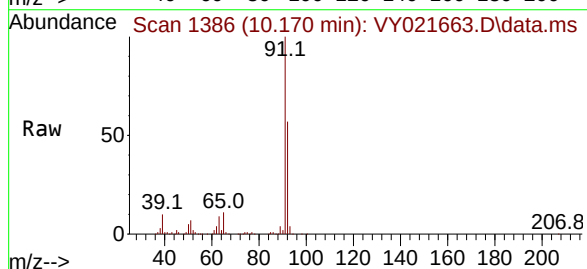
Manual Integrations
APPROVED

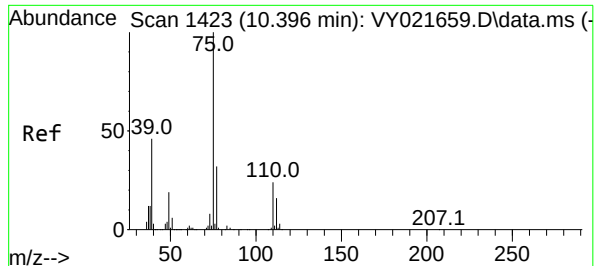
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

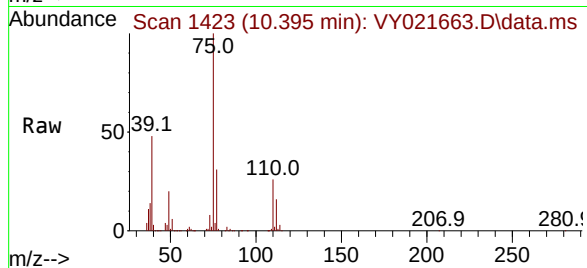
Tgt Ion: 92 Resp: 360002
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





#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

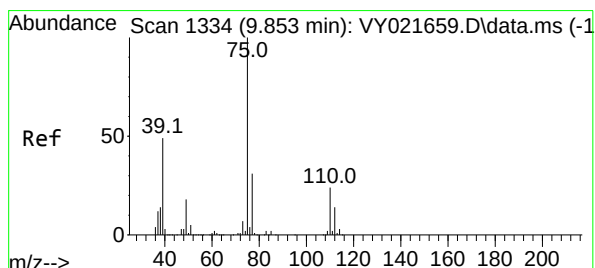
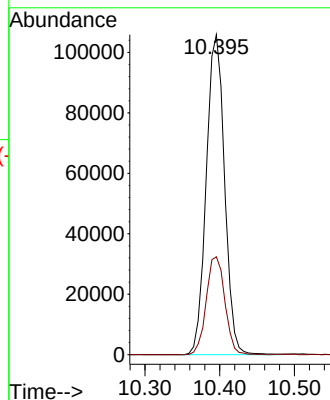
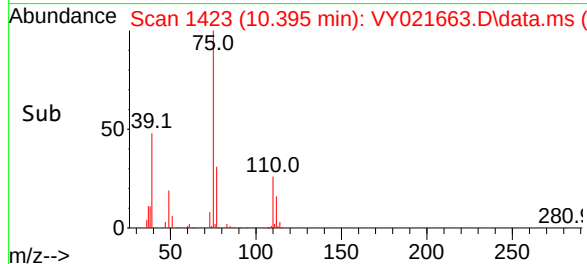
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



Tgt Ion: 75 Resp: 179752
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9

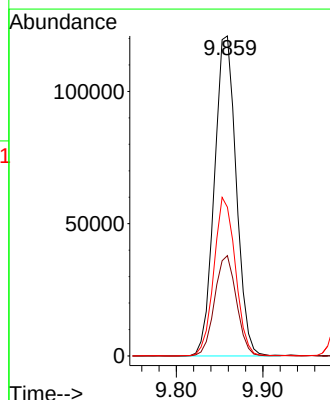
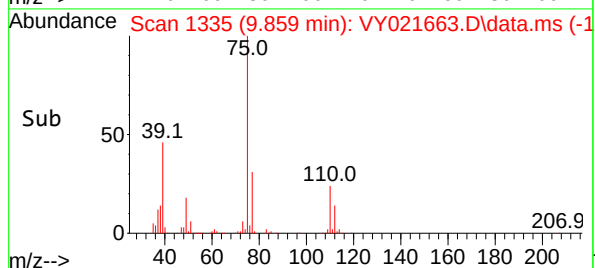
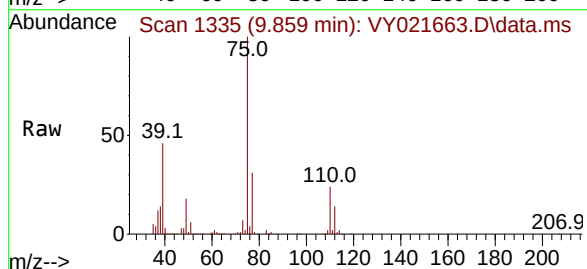
Manual Integrations
APPROVED

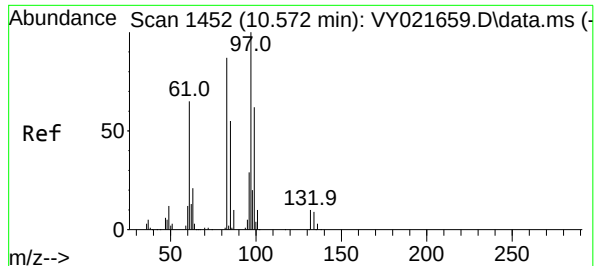
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

ICVY032725

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

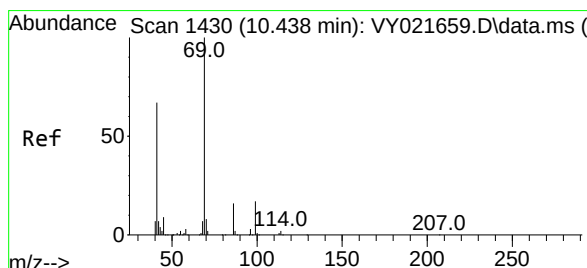
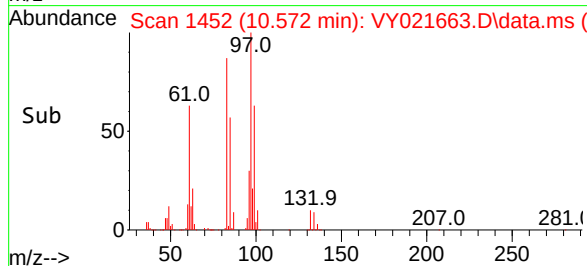
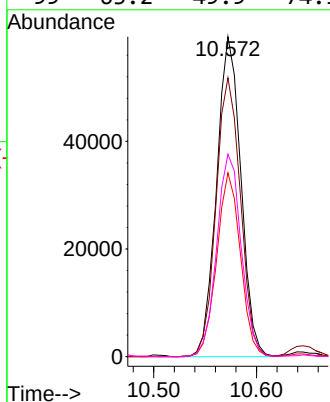
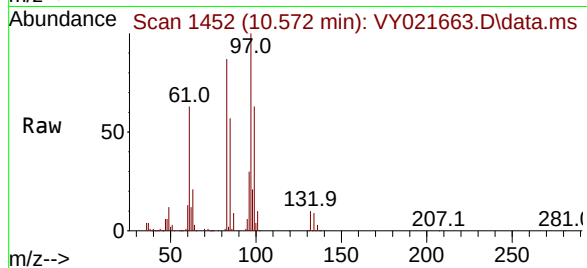
99 63.2 49.9 74.9

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

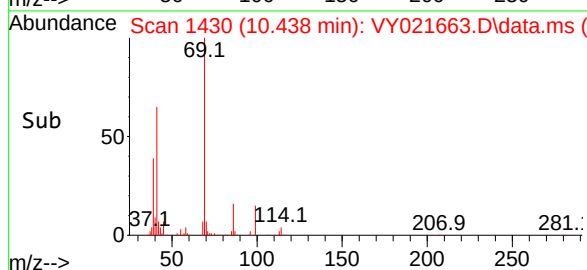
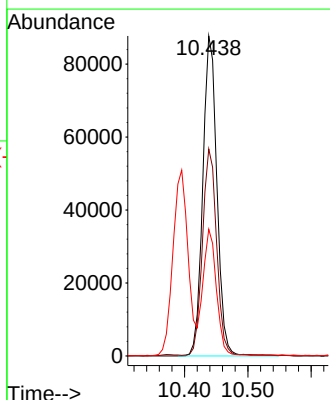
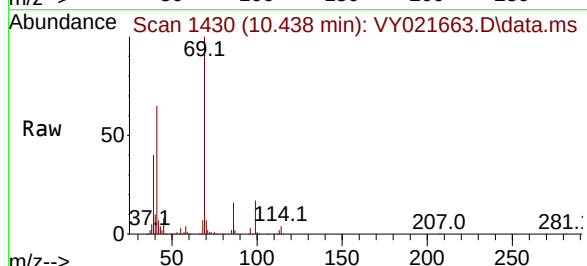
Tgt Ion: 69 Resp: 136411

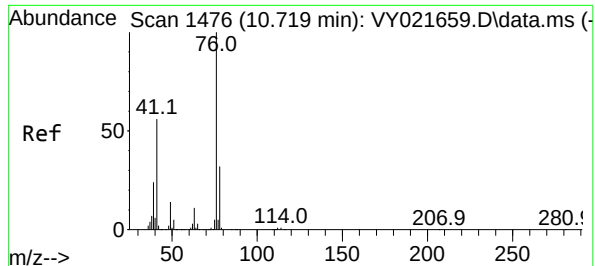
Ion Ratio Lower Upper

69 100

41 64.4 53.8 80.6

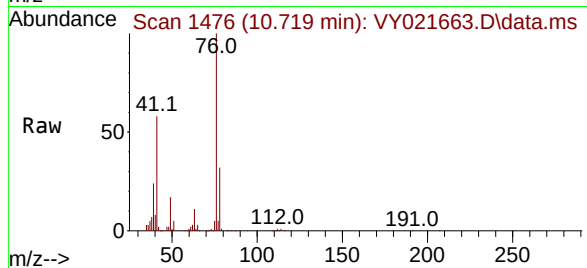
39 37.0 29.6 44.4





#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

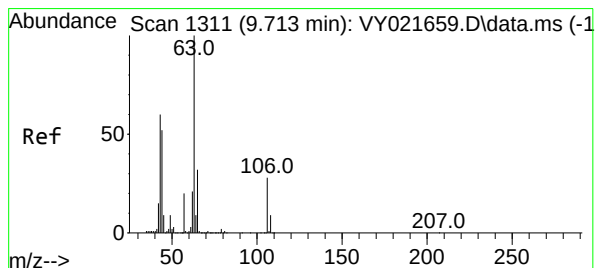
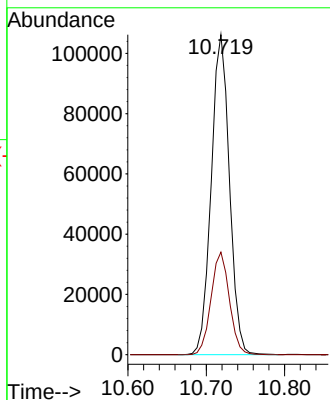
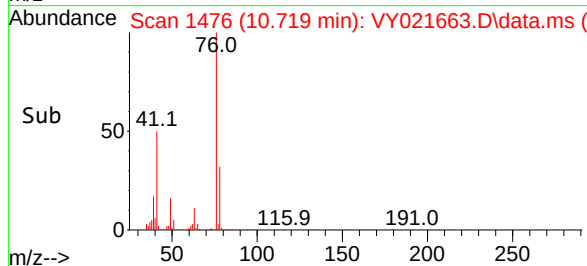
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion: 76 Resp: 171579
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.8

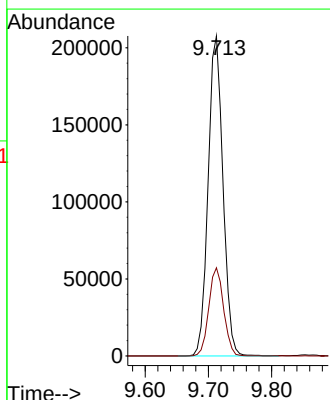
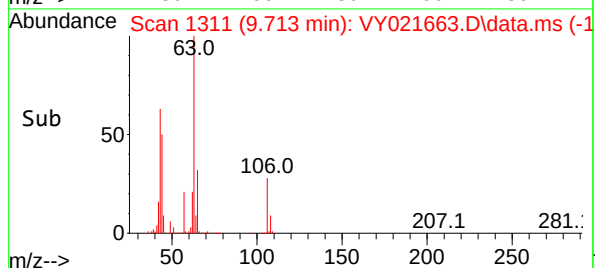
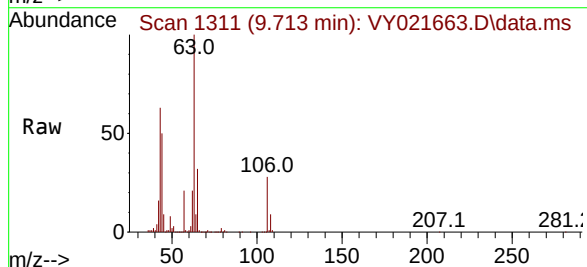
Manual Integrations
APPROVED

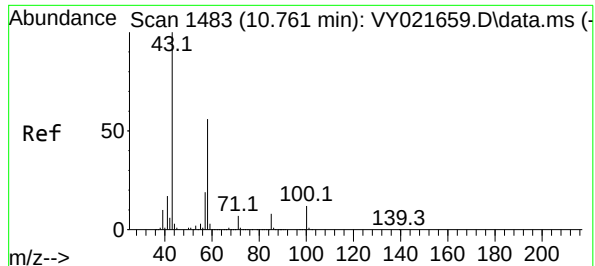
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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 :

ICVVY032725

Tgt Ion: 43 Resp: 295472

Ion Ratio Lower Upper

43 100

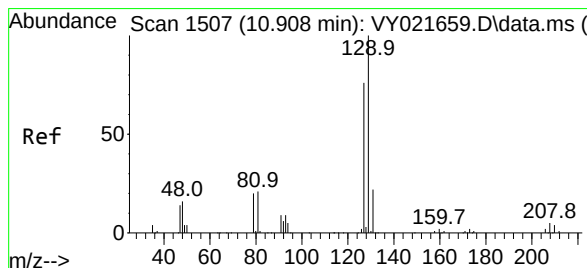
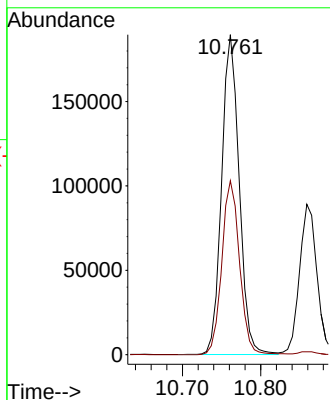
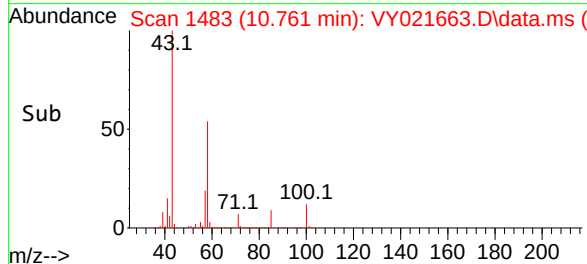
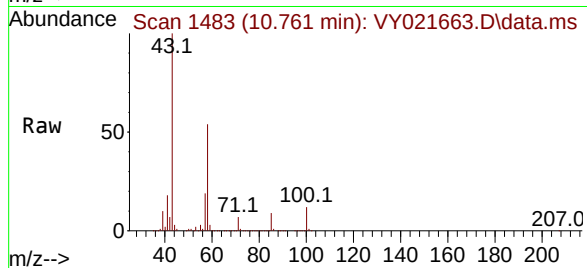
58 55.0 27.2 81.5

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

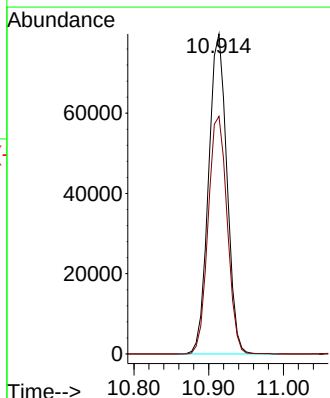
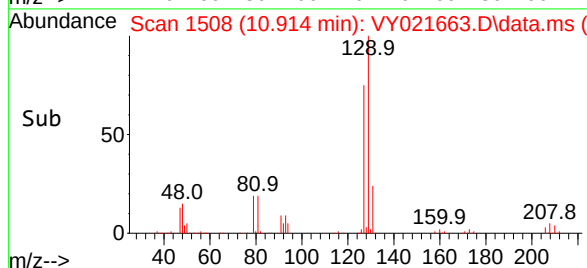
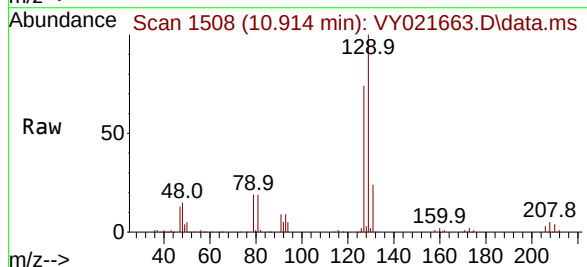
Acq: 27 Mar 2025 13:15

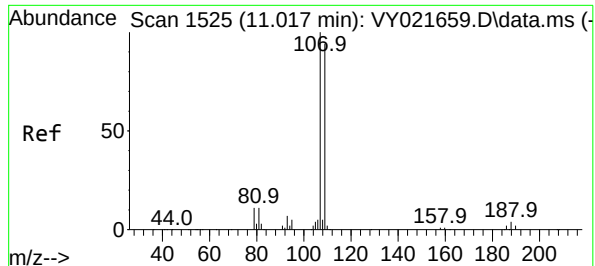
Tgt Ion:129 Resp: 135955

Ion Ratio Lower Upper

129 100

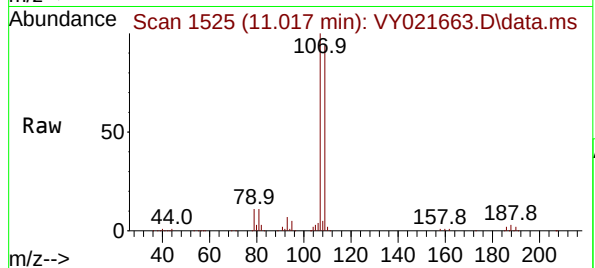
127 76.9 38.6 115.7





#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

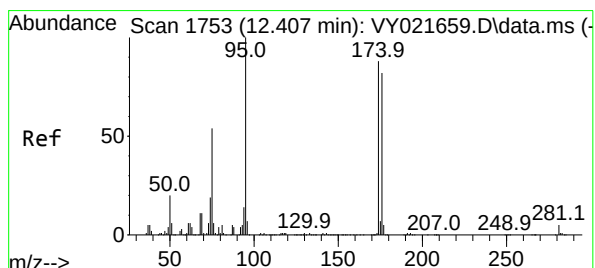
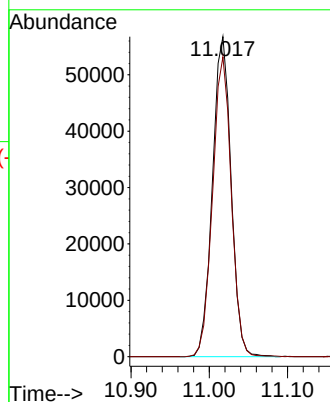
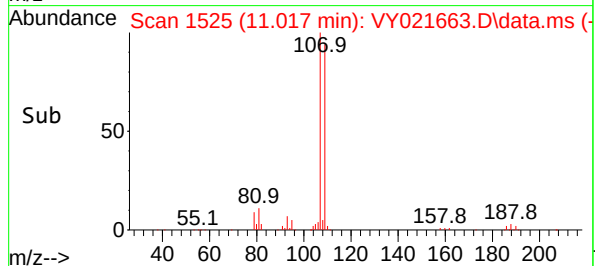
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:107 Resp: 9394
Ion Ratio Lower Upper
107 100
109 94.0 74.4 111.6

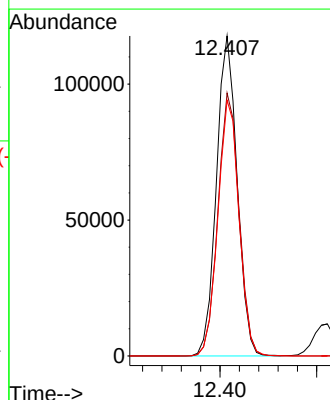
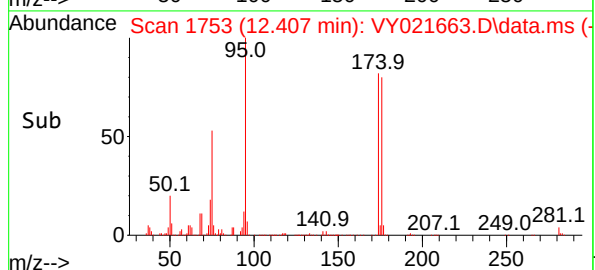
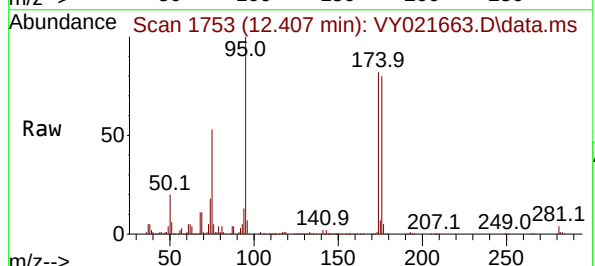
Manual Integrations
APPROVED

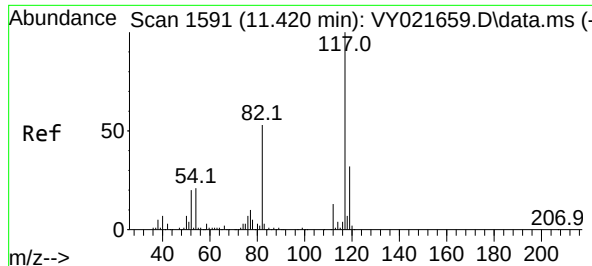
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

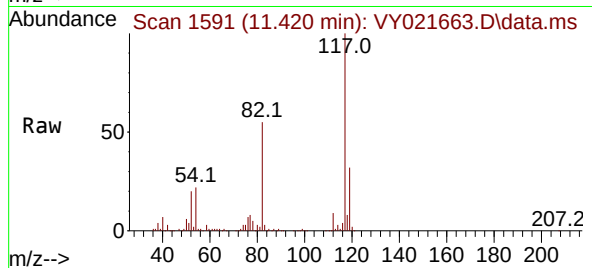
Tgt Ion: 95 Resp: 174721
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 81.4 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

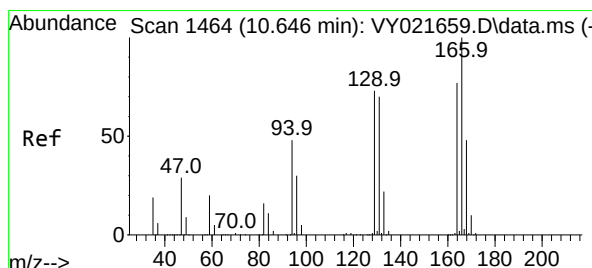
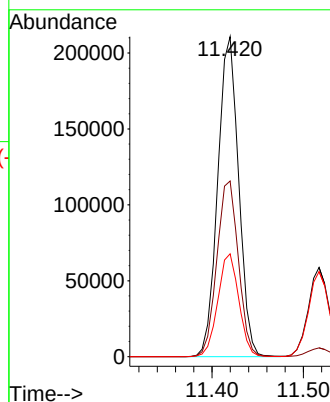
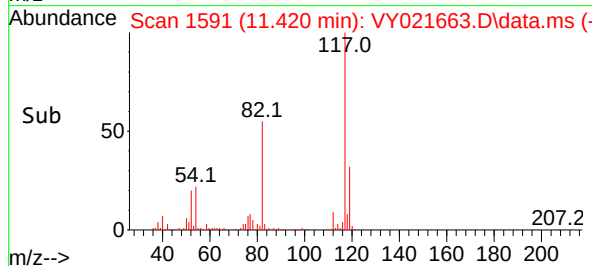
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

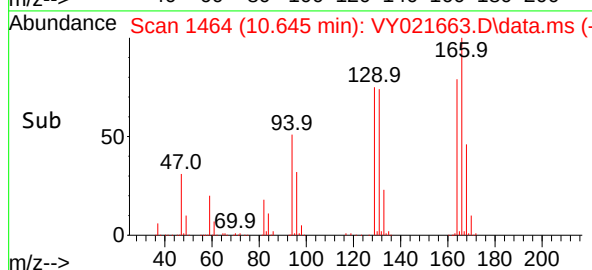
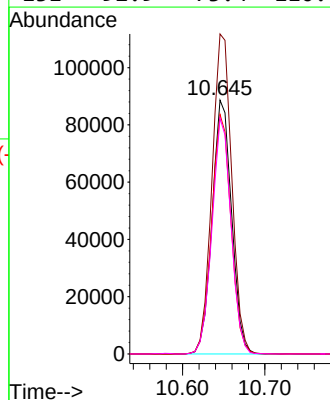
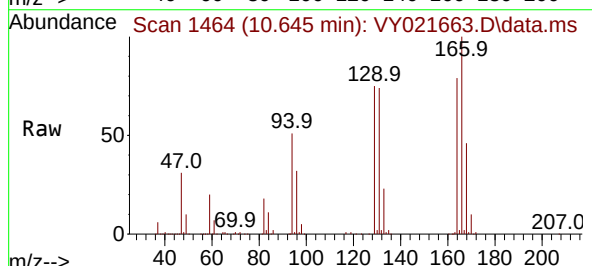
Manual Integrations
APPROVED

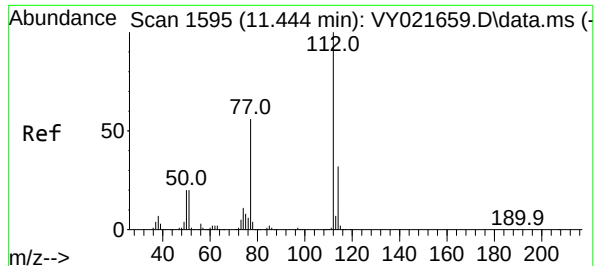
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

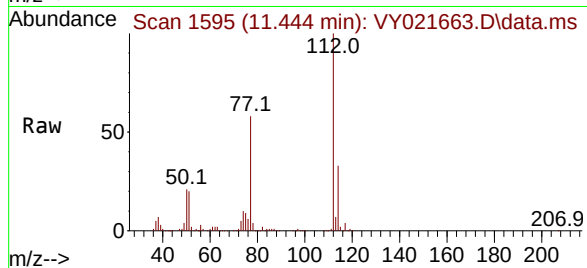
Tgt Ion:164 Resp: 145736
Ion Ratio Lower Upper
164 100
166 126.1 104.6 156.8
129 94.4 76.6 114.8
131 92.9 73.4 110.0





#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

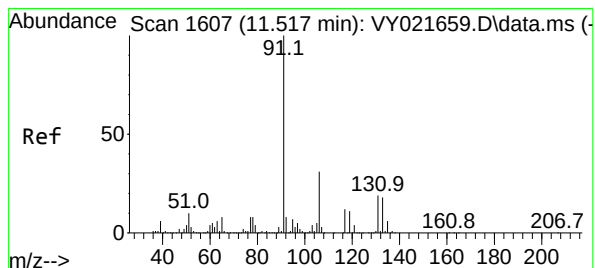
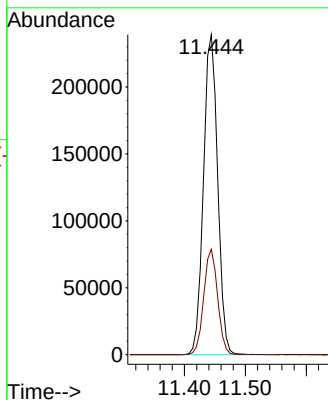
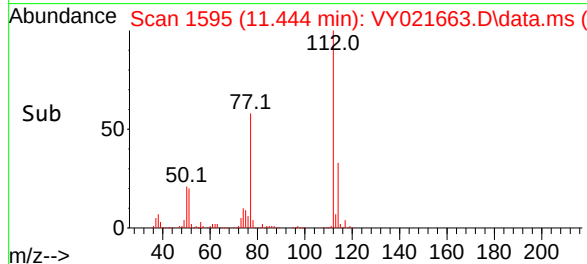
Instrument :
MSVOA_Y
ClientSampleId :
ICVY032725



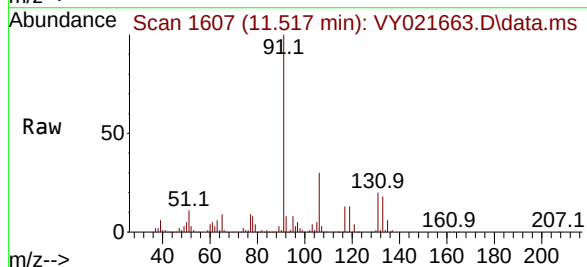
Tgt Ion:112 Resp: 38698
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

Manual Integrations
APPROVED

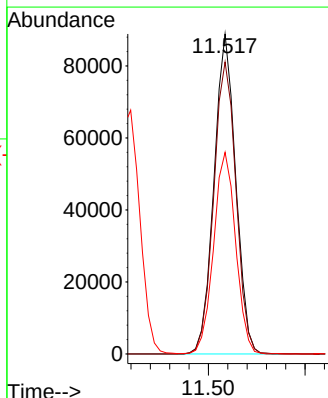
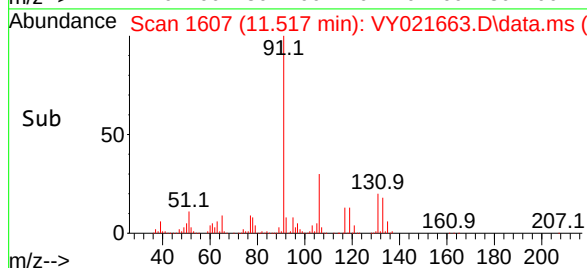
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

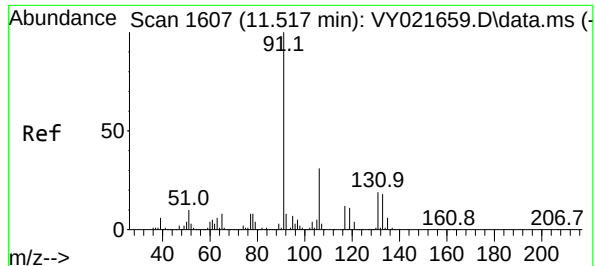


#66
1,1,1,2-Tetrachloroethane
Concen: 50.802 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



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

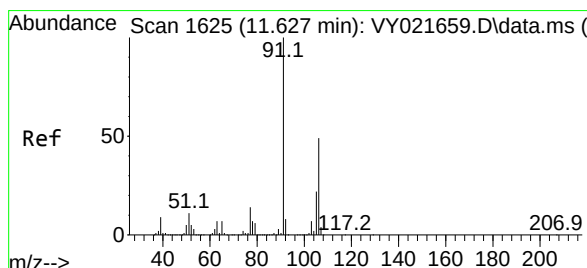
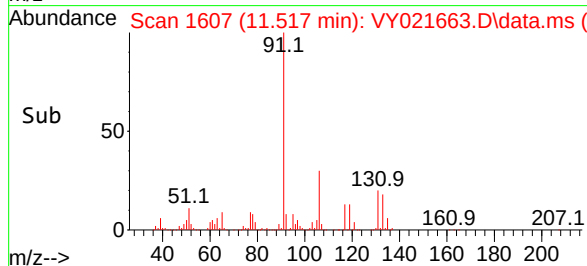
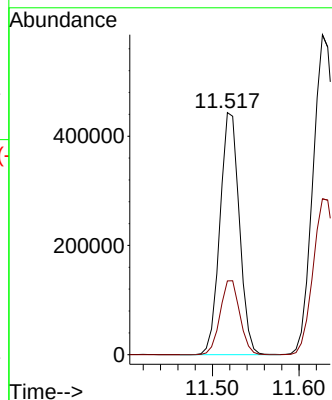
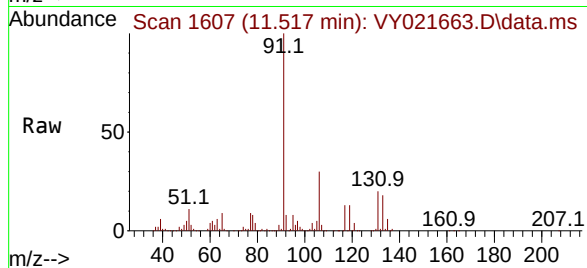
106 30.5 24.6 36.8

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

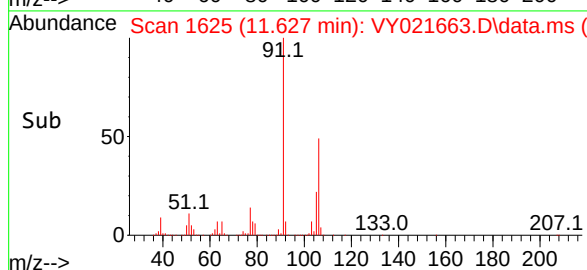
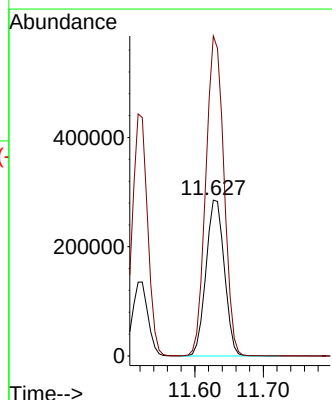
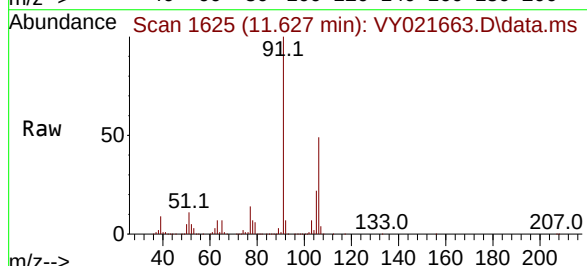
Acq: 27 Mar 2025 13:15

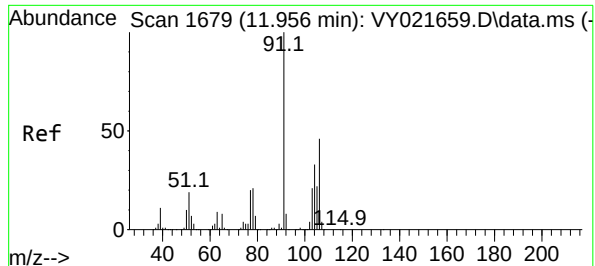
Tgt Ion:106 Resp: 531589

Ion Ratio Lower Upper

106 100

91 202.3 162.4 243.6





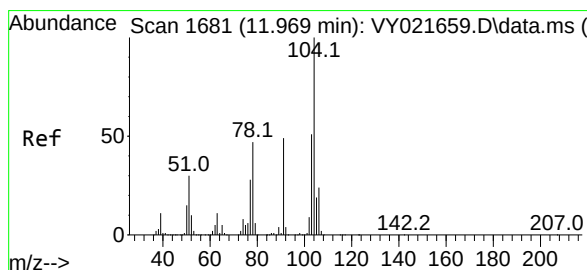
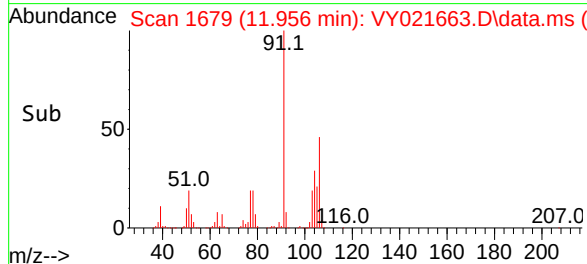
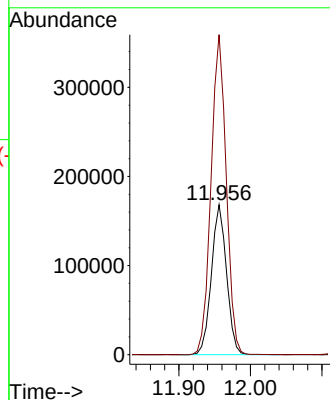
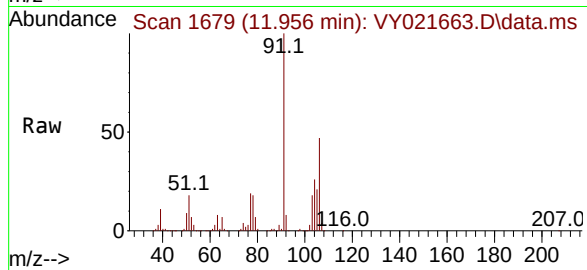
#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:106 Resp: 247093
Ion Ratio Lower Upper
106 100
91 214.6 106.7 319.9

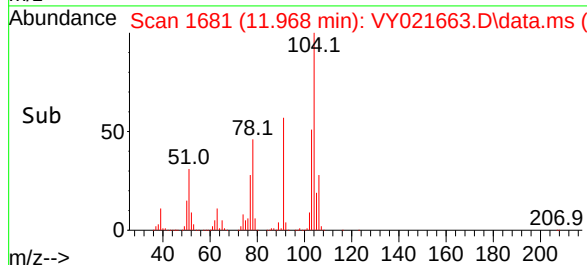
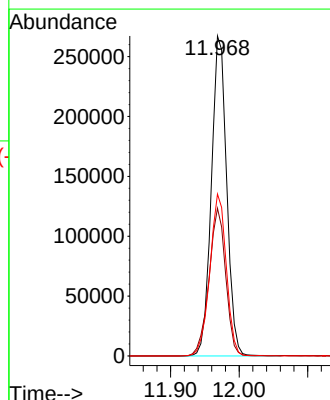
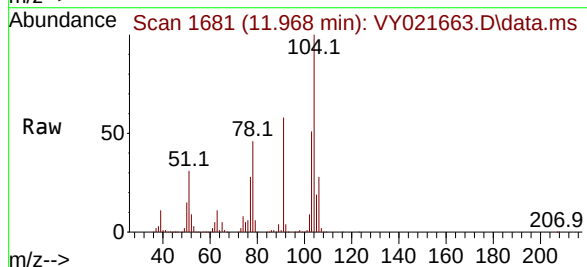
Manual Integrations
APPROVED

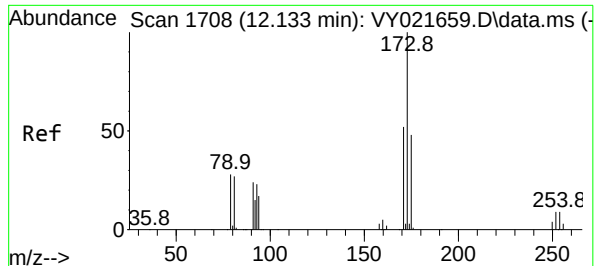
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

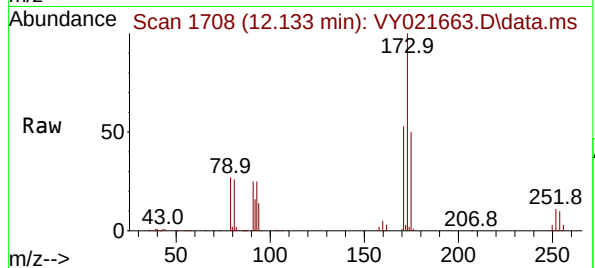
Tgt Ion:104 Resp: 416261
Ion Ratio Lower Upper
104 100
78 50.1 40.8 61.2
103 54.3 44.2 66.2





#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

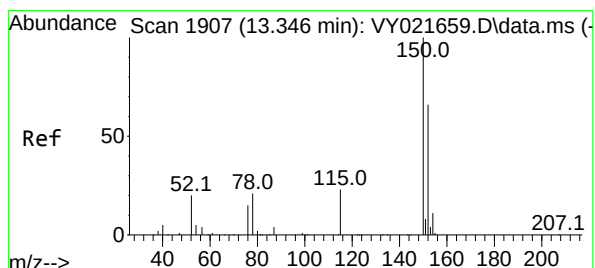
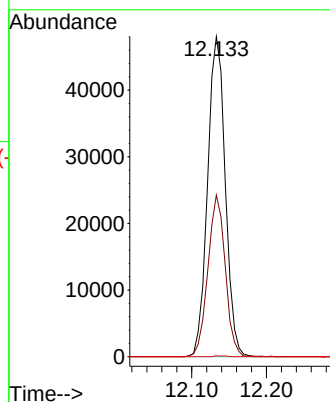
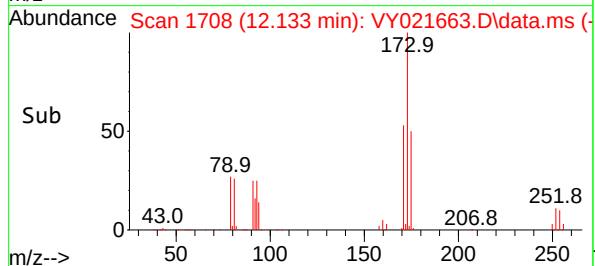
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



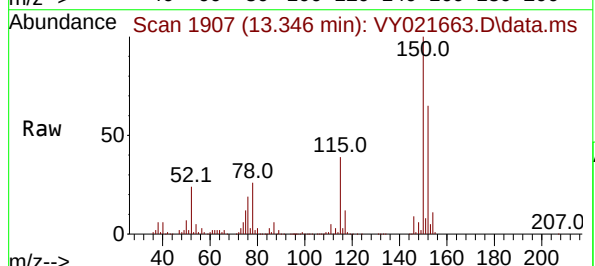
Tgt Ion:173 Resp: 78932
Ion Ratio Lower Upper
173 100
175 49.5 24.3 73.0
254 0.2 0.1 0.1

Manual Integrations
APPROVED

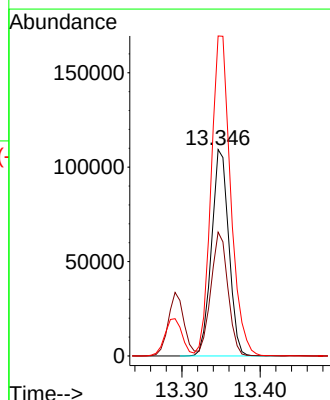
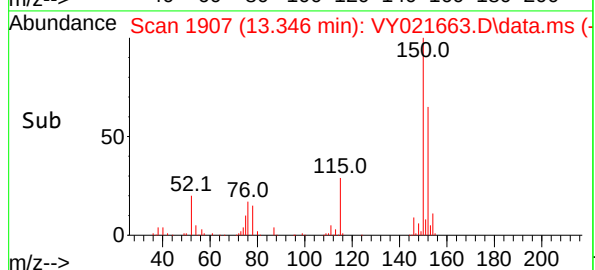
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

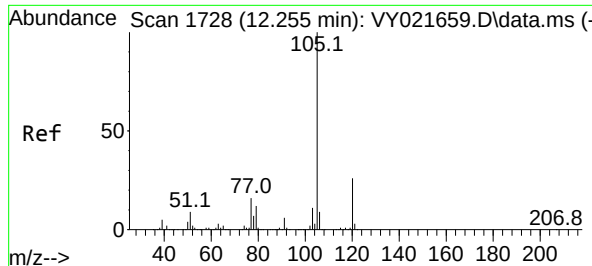


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



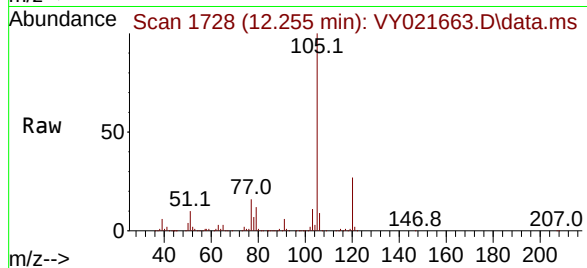
Tgt Ion:152 Resp: 166949
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 175.8 0.0 348.4





#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

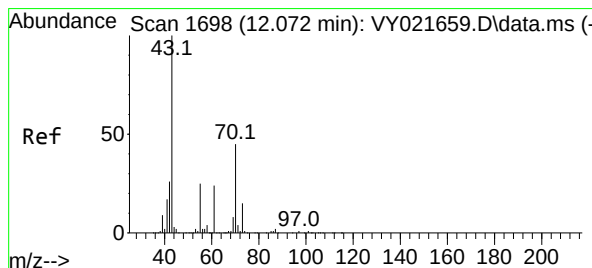
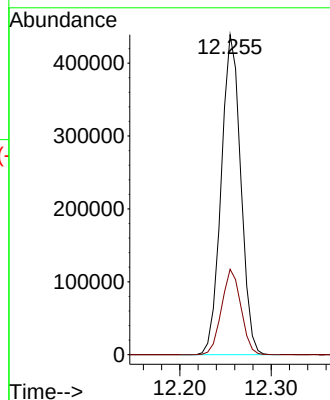
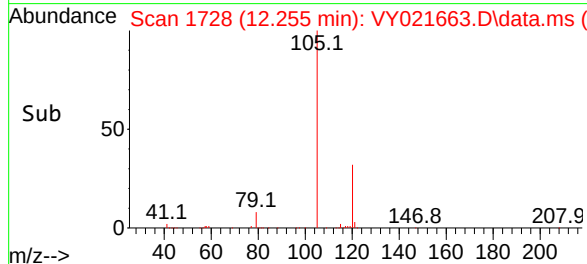
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



Tgt Ion:105 Resp: 65354
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

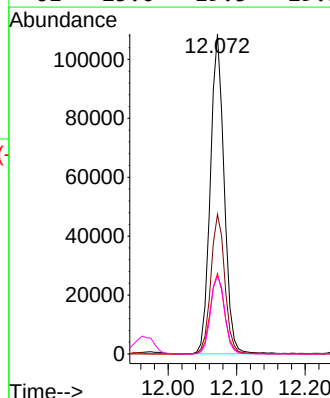
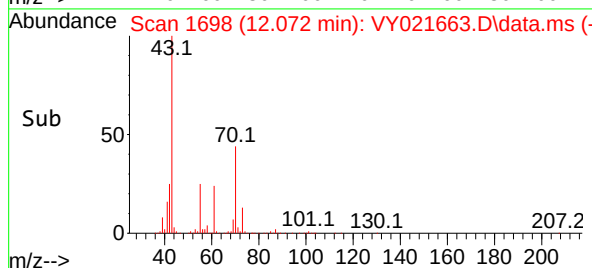
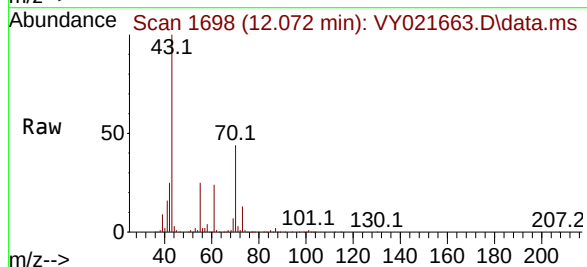
Manual Integrations
APPROVED

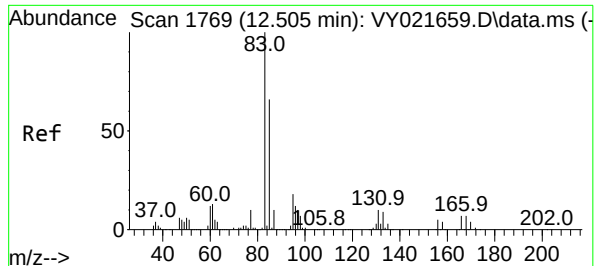
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

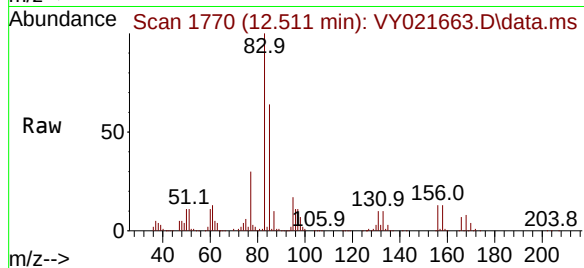
Tgt Ion: 43 Resp: 152268
Ion Ratio Lower Upper
43 100
70 44.6 34.7 52.1
55 26.0 21.2 31.8
61 25.0 19.5 29.3





#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

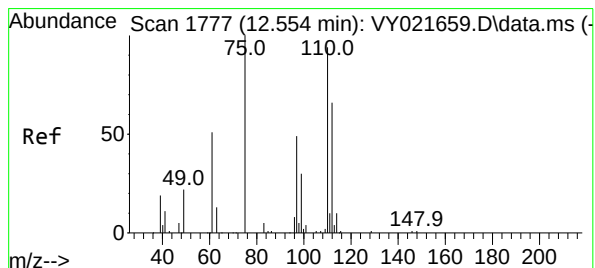
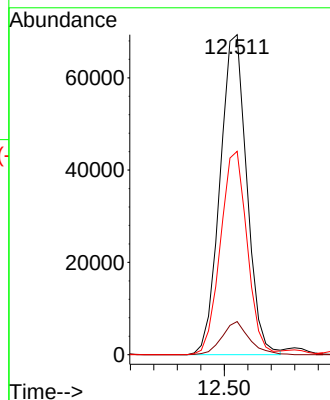
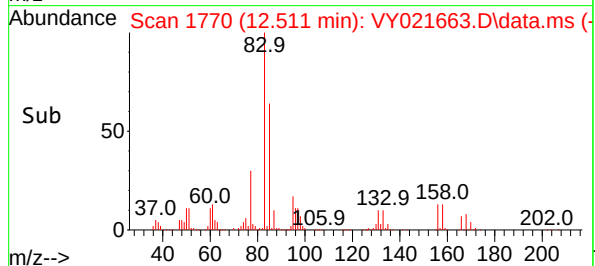
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

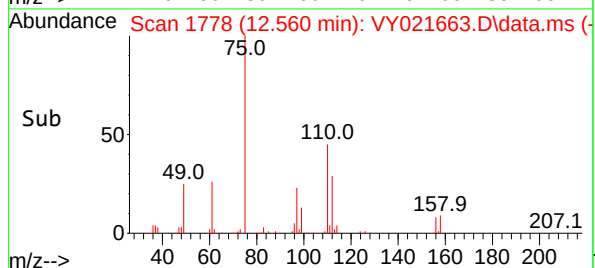
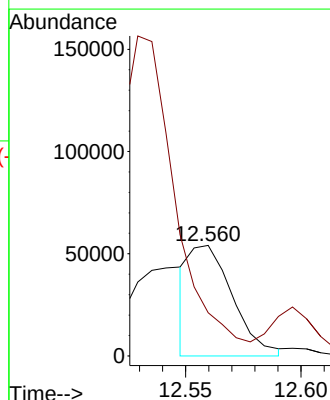
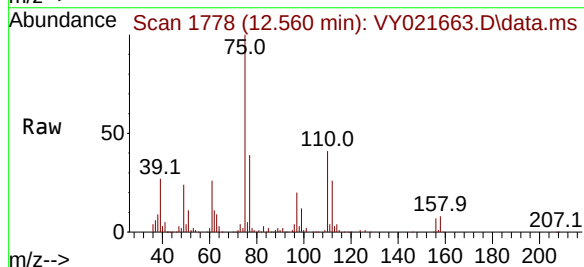
Manual Integrations
APPROVED

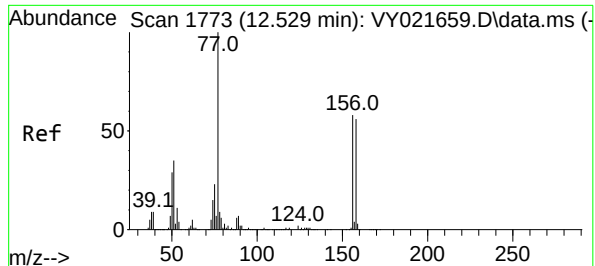
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

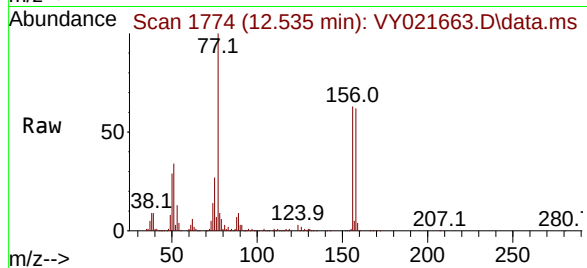
Tgt Ion: 75 Resp: 70644
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 51.125 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

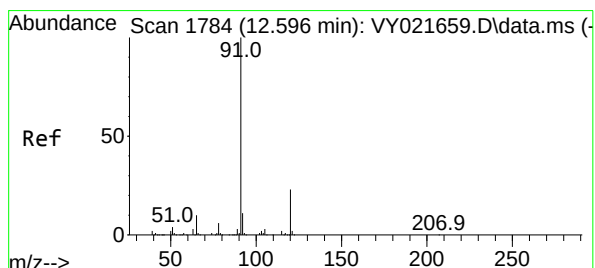
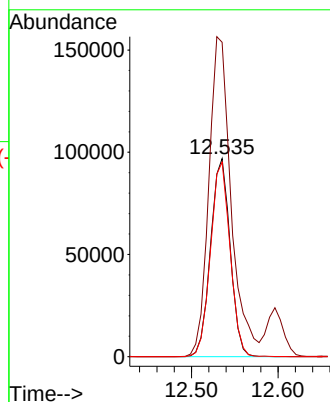
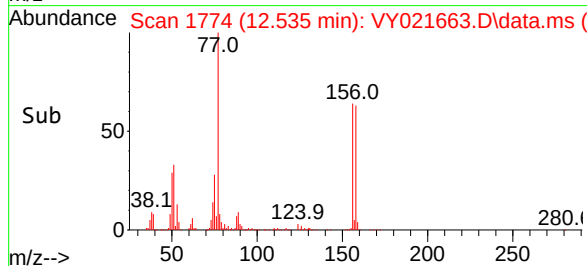
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

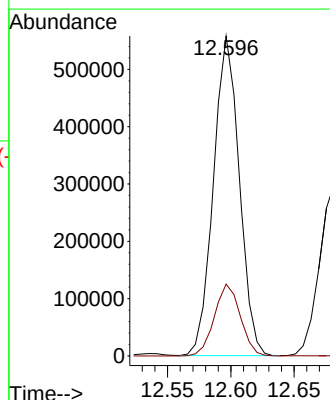
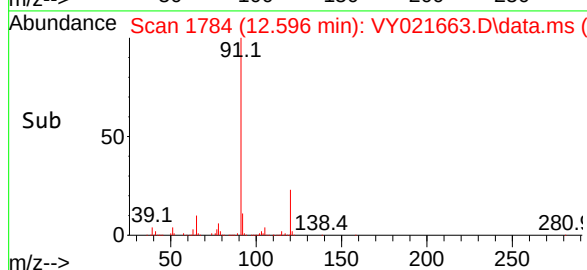
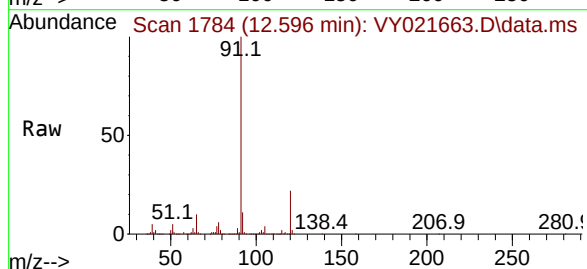
Manual Integrations
APPROVED

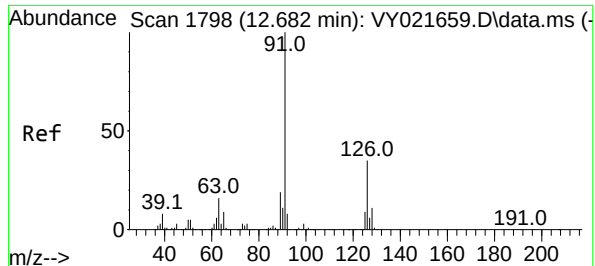
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

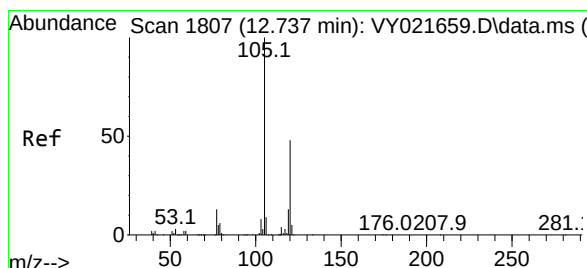
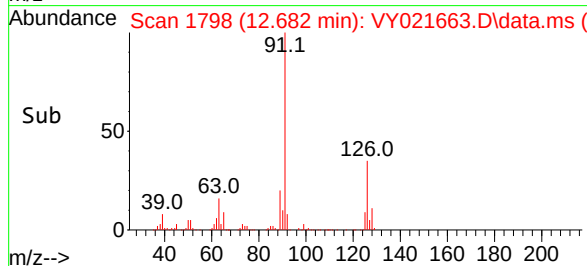
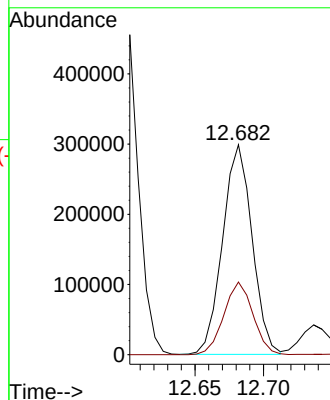
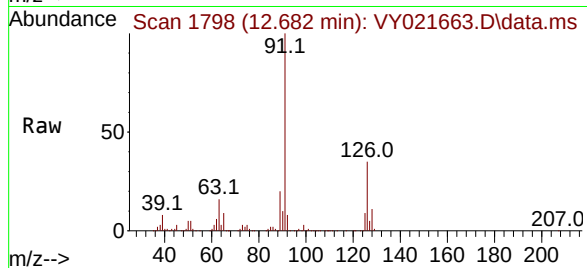
126 34.3 17.3 52.0

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

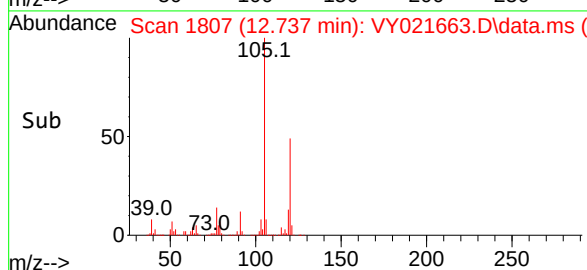
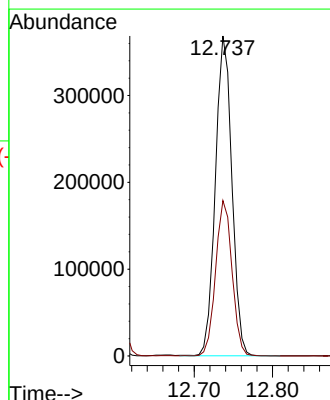
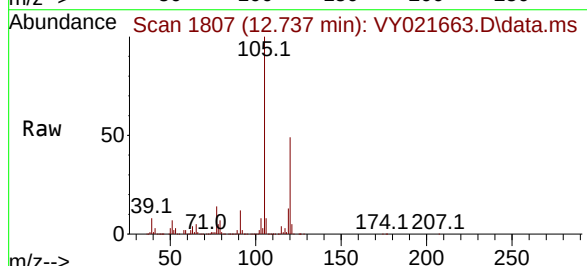
Acq: 27 Mar 2025 13:15

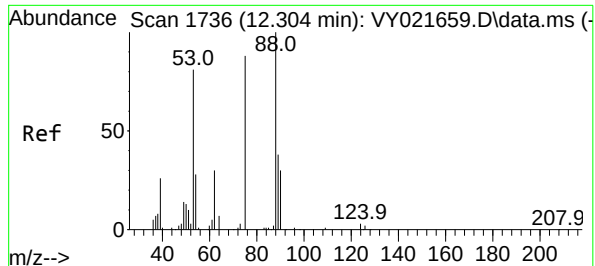
Tgt Ion:105 Resp: 539512

Ion Ratio Lower Upper

105 100

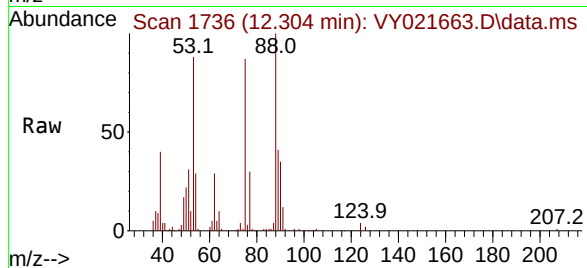
120 48.4 24.5 73.5





#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

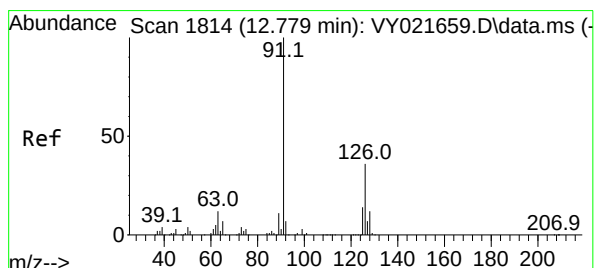
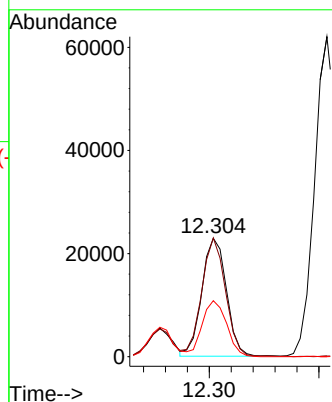
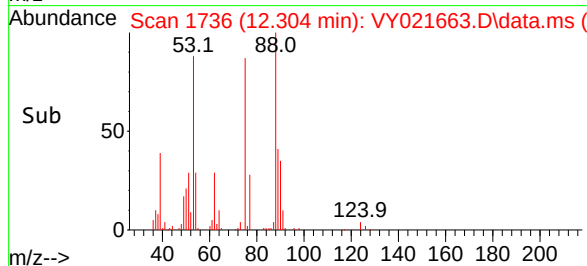
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

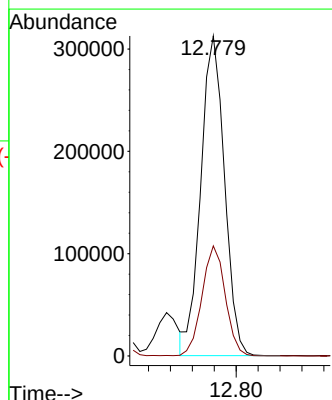
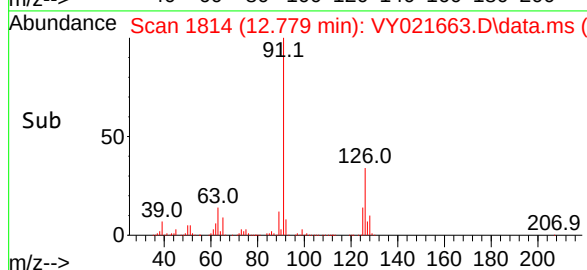
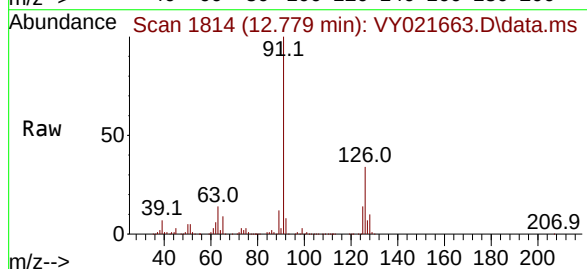
Manual Integrations
APPROVED

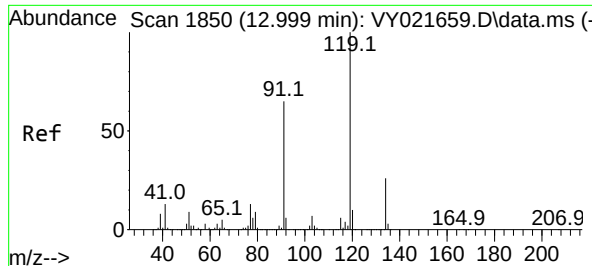
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

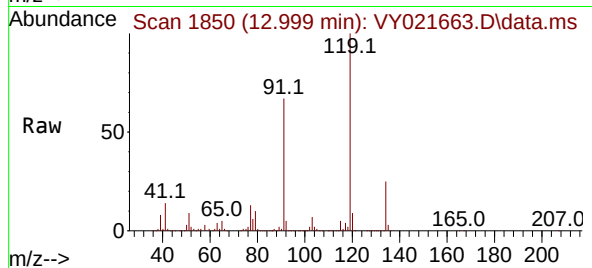
Tgt Ion: 91 Resp: 469122
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#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

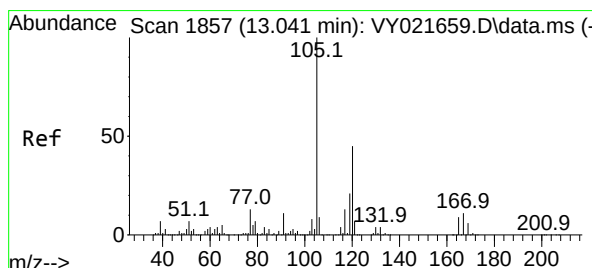
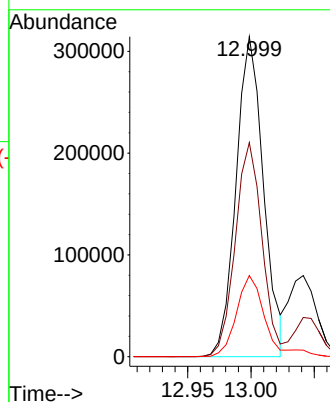
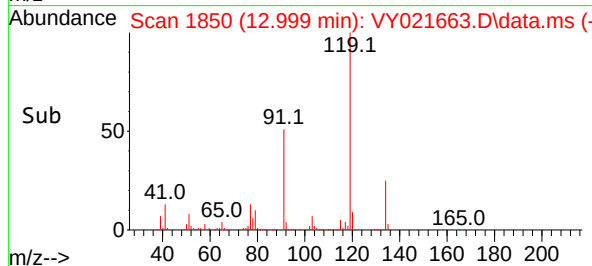
Instrument : MSVOA_Y
ClientSampleId : ICVVY032725



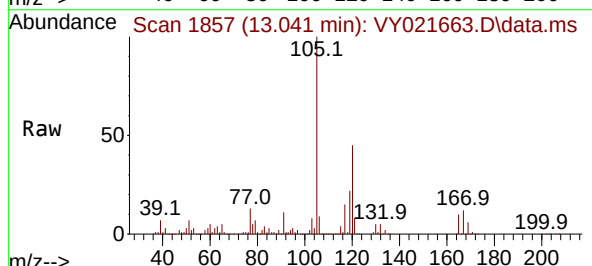
Tgt Ion:119 Resp: 47494
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.5 13.2 39.6

Manual Integrations
APPROVED

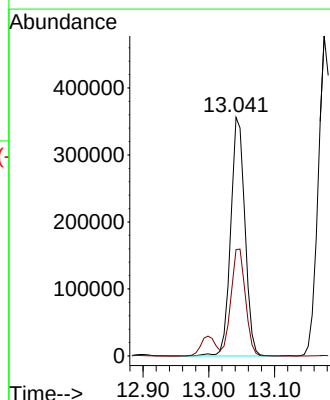
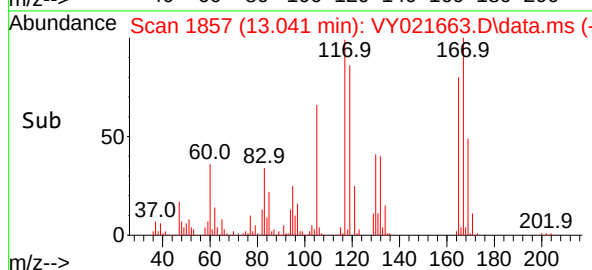
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

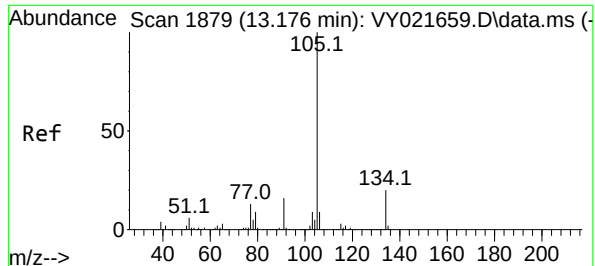


#84
1,2,4-Trimethylbenzene
Concen: 53.454 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15



Tgt Ion:105 Resp: 535411
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1





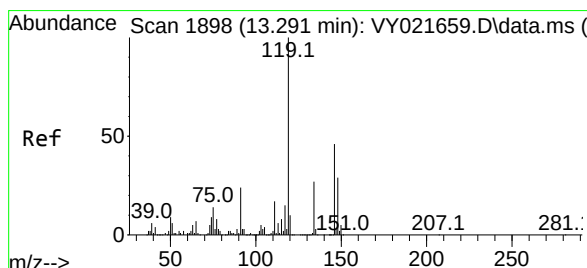
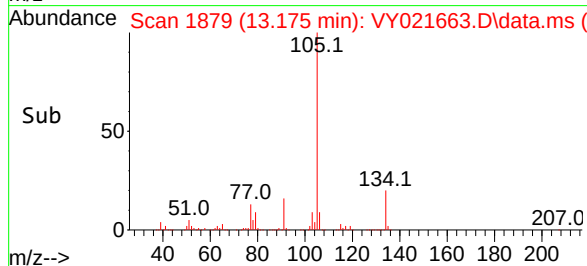
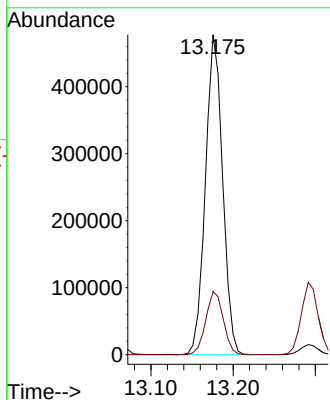
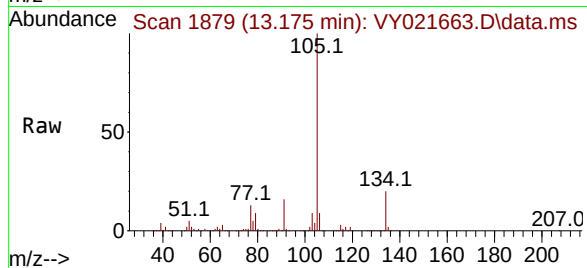
#85
sec-Butylbenzene
Concen: 52.471 ug/l
RT: 13.175 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:105 Resp: 692180
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

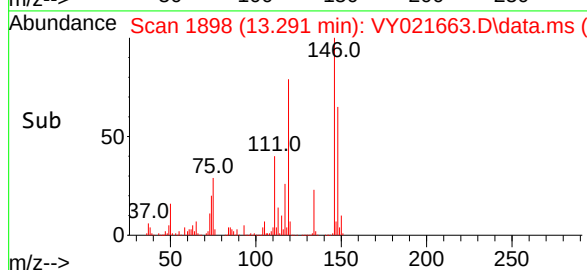
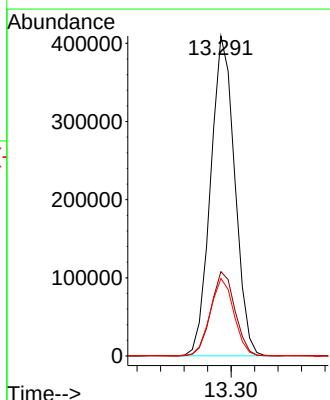
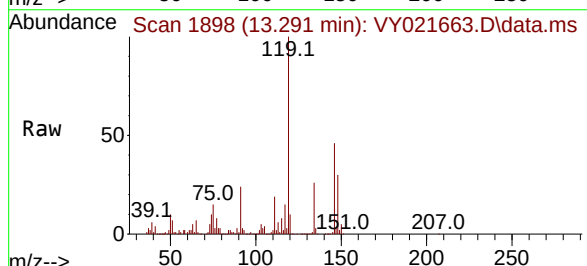
Manual Integrations
APPROVED

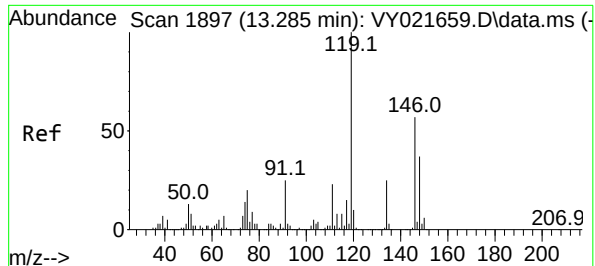
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

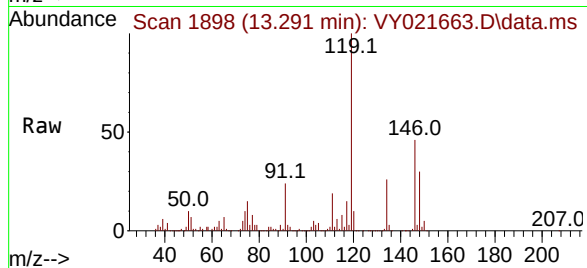
Tgt Ion:119 Resp: 583069
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 23.8 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 50.987 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

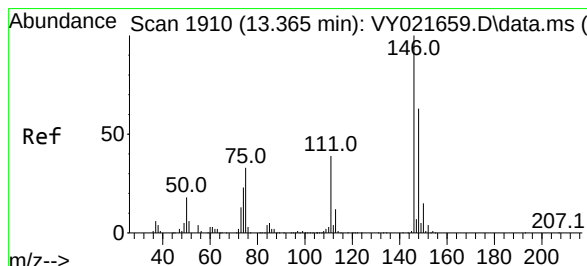
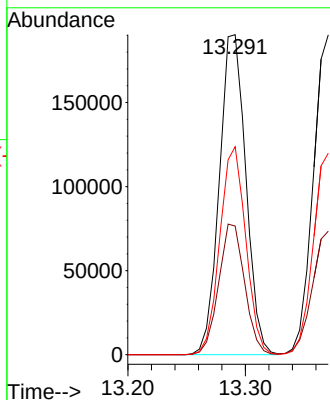
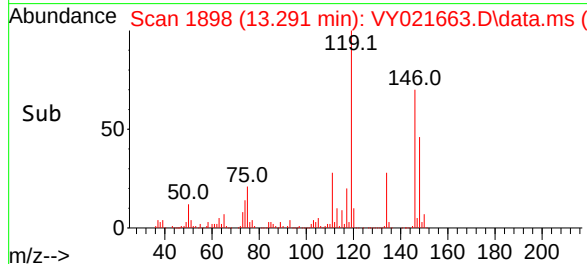
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

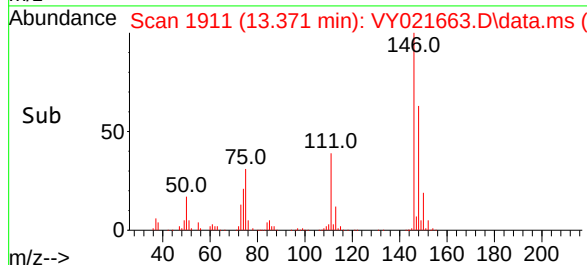
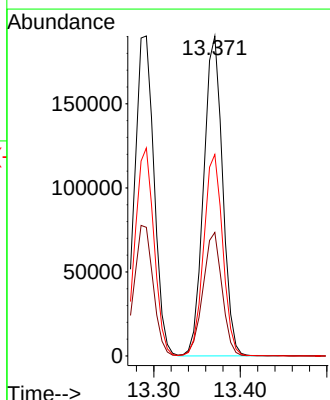
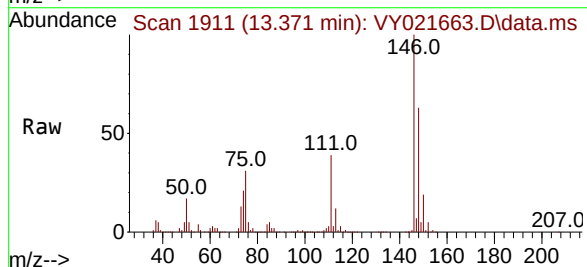
Manual Integrations
APPROVED

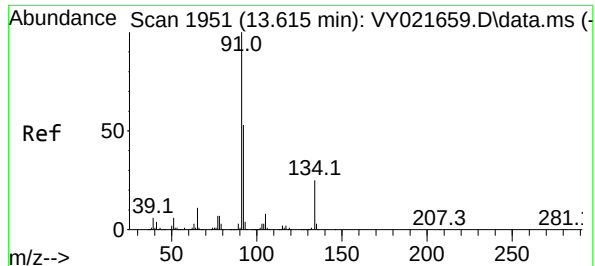
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

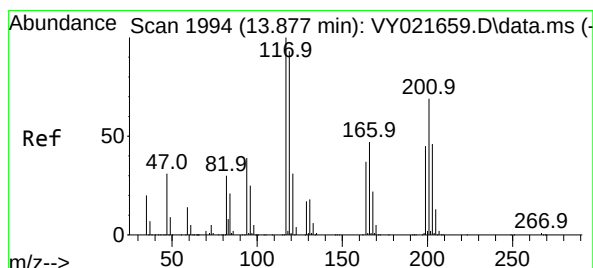
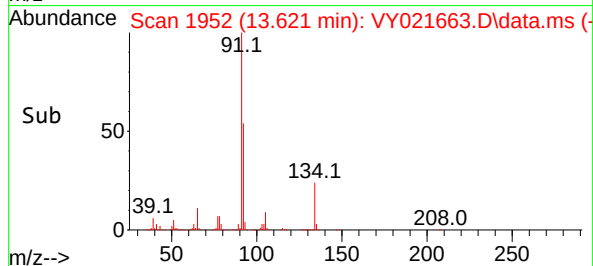
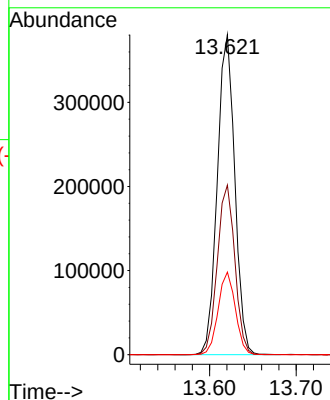
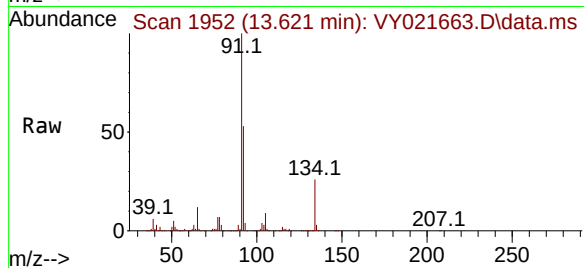
134 25.4 12.8 38.4

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

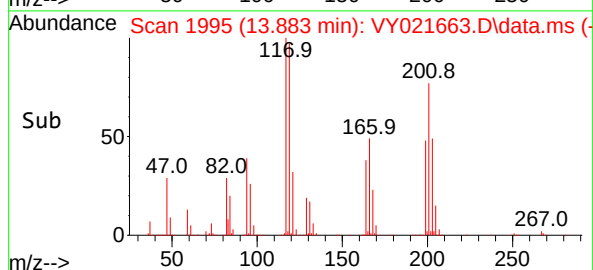
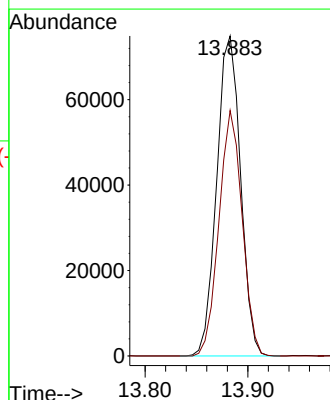
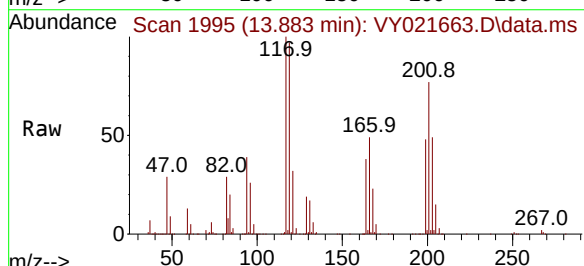
Acq: 27 Mar 2025 13:15

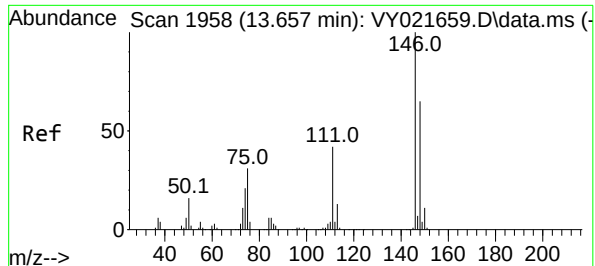
Tgt Ion:117 Resp: 120546

Ion Ratio Lower Upper

117 100

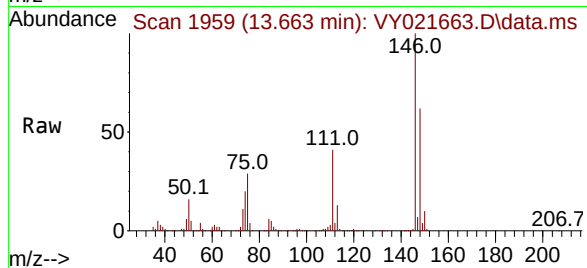
201 74.7 37.4 112.1





#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

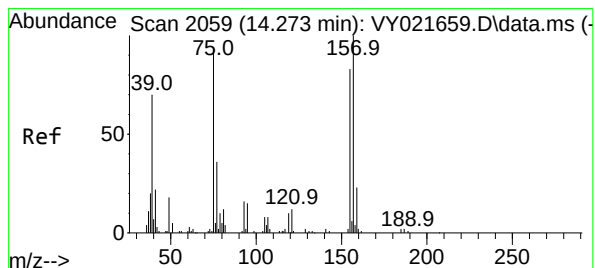
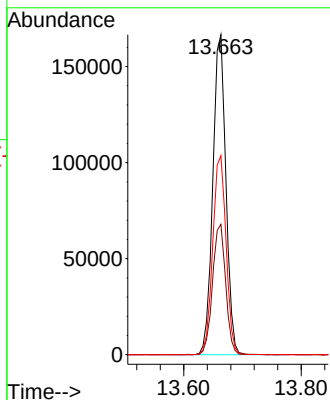
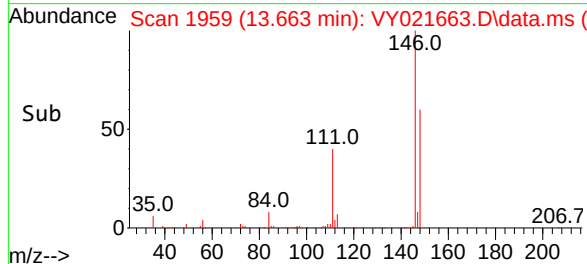
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725



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

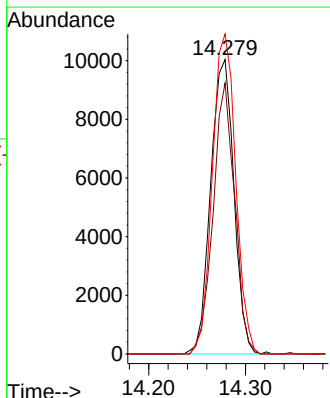
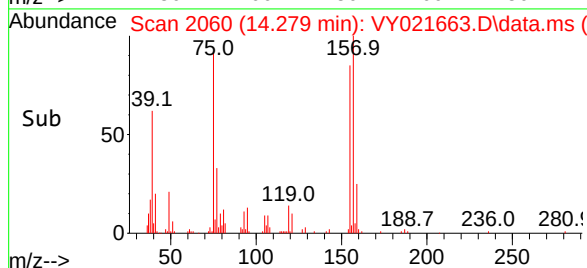
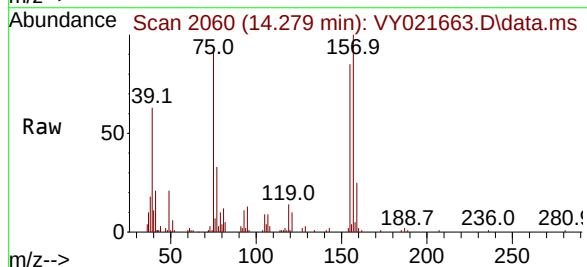
Manual Integrations
APPROVED

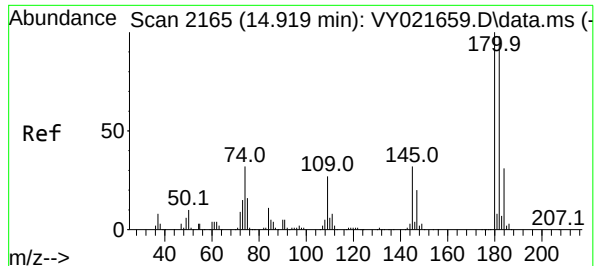
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#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

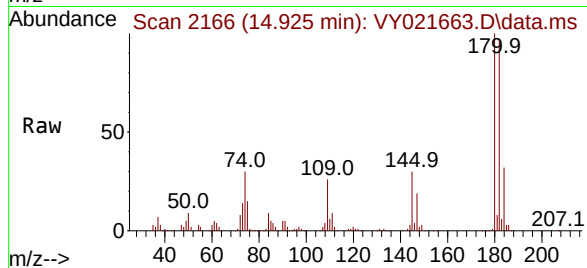
Acq: 27 Mar 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY032725

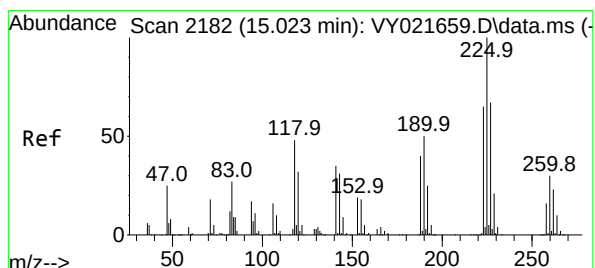
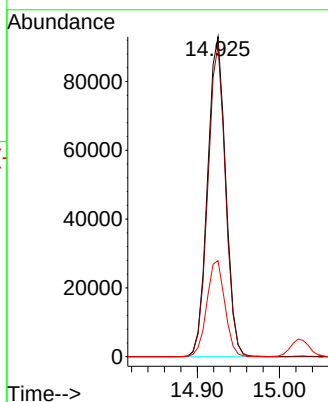
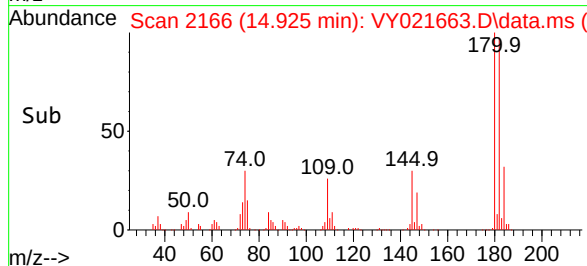


Tgt Ion:	180	Resp:	142409
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.5	142.6
145	30.0	14.9	44.9

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

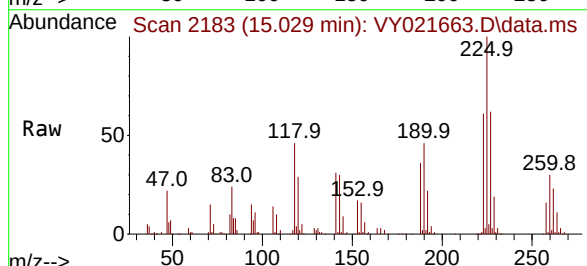
Concen: 50.245 ug/l

RT: 15.029 min Scan# 2183

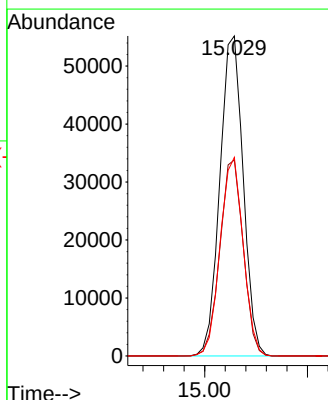
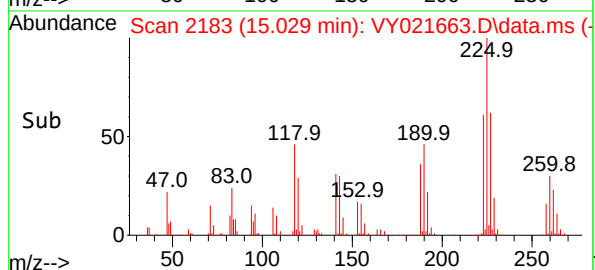
Delta R.T. 0.006 min

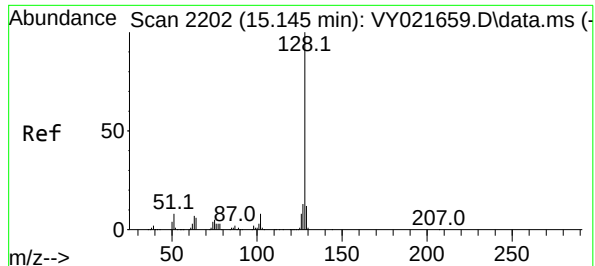
Lab File: VY021663.D

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

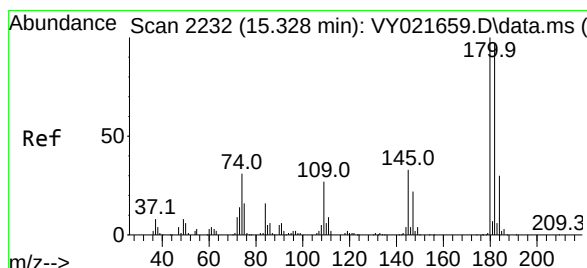
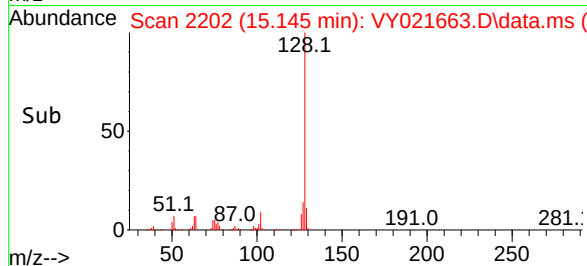
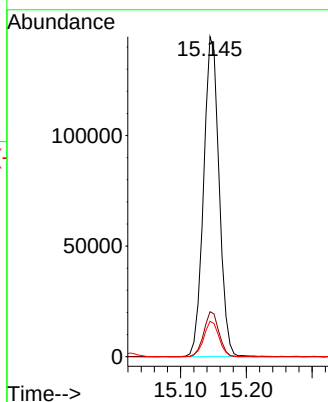
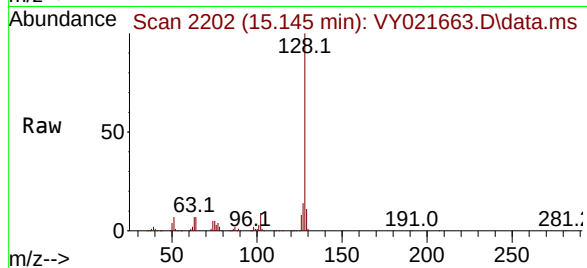
129 10.8 8.8 13.2

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

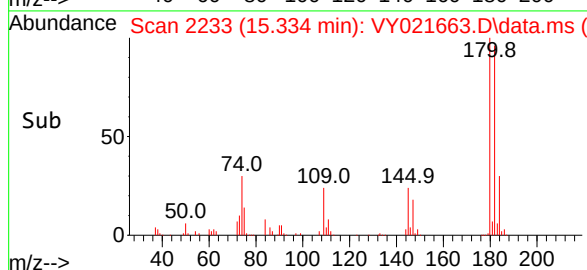
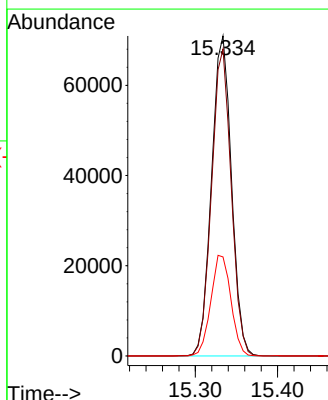
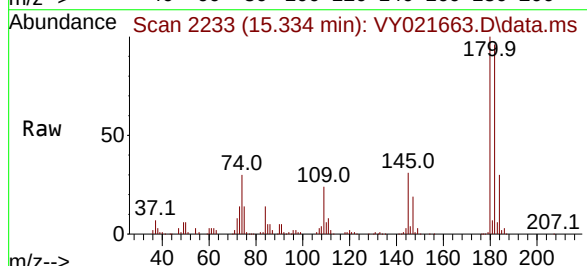
Tgt Ion:180 Resp: 119575

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 :
 ICSVY032725

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 :
 ICSVY032725

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: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 03/31/2025 10:08

Lab File ID: VY021710.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	0.504		-2.7	20
Chloromethane	0.729	0.699	0.1	-4.11	20
Vinyl Chloride	0.824	0.802		-2.67	20
Bromomethane	0.562	0.525		-6.58	20
Chloroethane	0.539	0.525		-2.6	20
Trichlorofluoromethane	1.056	1.075		1.8	20
1,1,2-Trichlorotrifluoroethane	0.557	0.561		0.72	20
1,1-Dichloroethene	0.524	0.519		-0.95	20
Acetone	0.111	0.097		-12.61	20
Carbon Disulfide	1.727	1.707		-1.16	20
Methyl tert-butyl Ether	1.306	1.319		1	20
Methyl Acetate	0.275	0.294		6.91	20
Methylene Chloride	0.626	0.573		-8.47	20
trans-1,2-Dichloroethene	0.577	0.577		0	20
1,1-Dichloroethane	1.049	1.046	0.1	-0.29	20
Cyclohexane	0.956	0.927		-3.03	20
2-Butanone	0.158	0.156		-1.27	20
Carbon Tetrachloride	0.566	0.608		7.42	20
cis-1,2-Dichloroethene	0.649	0.650		0.15	20
Bromochloromethane	0.442	0.448		1.36	20
Chloroform	1.091	1.087		-0.37	20
1,1,1-Trichloroethane	0.986	0.979		-0.71	20
Methylcyclohexane	0.590	0.641		8.64	20
Benzene	1.479	1.572		6.29	20
1,2-Dichloroethane	0.417	0.441		5.76	20
Trichloroethene	0.377	0.393		4.24	20
1,2-Dichloropropane	0.350	0.371		6	20
Bromodichloromethane	0.523	0.556		6.31	20
4-Methyl-2-Pentanone	0.230	0.254		10.44	20
Toluene	0.923	0.997		8.02	20
t-1,3-Dichloropropene	0.465	0.503		8.17	20
cis-1,3-Dichloropropene	0.548	0.585		6.75	20
1,1,2-Trichloroethane	0.260	0.276		6.15	20
2-Hexanone	0.153	0.171		11.77	20
Dibromochloromethane	0.355	0.386		8.73	20
1,2-Dibromoethane	0.244	0.265		8.61	20
Tetrachloroethene	0.455	0.463		1.76	20
Chlorobenzene	1.146	1.163	0.3	1.48	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: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 03/31/2025 10:08

Lab File ID: VY021710.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
Ethyl Benzene	1.965	2.057		4.68	20
m/p-Xylenes	0.753	0.796		5.71	20
o-Xylene	0.695	0.737		6.04	20
Styrene	1.158	1.271		9.76	20
Bromoform	0.232	0.247	0.1	6.47	20
Isopropylbenzene	3.714	3.861		3.96	20
1,1,2,2-Tetrachloroethane	0.668	0.673	0.3	0.75	20
1,3-Dichlorobenzene	1.757	1.805		2.73	20
1,4-Dichlorobenzene	1.736	1.769		1.9	20
1,2-Dichlorobenzene	1.529	1.563		2.22	20
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	20
1,2,4-Trichlorobenzene	0.829	0.853		2.89	20
1,2,3-Trichlorobenzene	0.707	0.744		5.23	20
1,2-Dichloroethane-d4	0.542	0.580		7.01	20
Dibromofluoromethane	0.324	0.372		14.81	20
Toluene-d8	1.234	1.418		14.91	20
4-Bromofluorobenzene	0.417	0.477		14.39	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\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:32:36 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	219865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	330473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	302464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127456	53.504	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%			
35) Dibromofluoromethane	7.634	113	122875	57.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.640%			
50) Toluene-d8	10.103	98	468580	57.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.920%			
62) 4-Bromofluorobenzene	12.408	95	157726	57.178	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	110829	48.634	ug/l	99
3) Chloromethane	2.068	50	153656	47.952	ug/l	100
4) Vinyl Chloride	2.202	62	176402	48.678	ug/l	100
5) Bromomethane	2.592	94	115403	46.691	ug/l	94
6) Chloroethane	2.733	64	115443	48.684	ug/l	99
7) Trichlorofluoromethane	3.056	101	236259	50.894	ug/l	96
8) Diethyl Ether	3.452	74	60712	48.091	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	123379	50.392	ug/l	99
10) Methyl Iodide	4.001	142	138134	51.427	ug/l	99
11) Tert butyl alcohol	4.848	59	36150	233.635	ug/l	100
12) 1,1-Dichloroethene	3.787	96	114123	49.486	ug/l	95
13) Acrolein	3.647	56	48270	170.852	ug/l	100
14) Allyl chloride	4.379	41	181439	49.344	ug/l	100
15) Acrylonitrile	5.055	53	133278	252.846	ug/l	98
16) Acetone	3.867	43	107103	219.682	ug/l	100
17) Carbon Disulfide	4.104	76	375340	49.414	ug/l	98
18) Methyl Acetate	4.379	43	64621	53.480	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	289989	50.507	ug/l	100
20) Methylene Chloride	4.616	84	125964	53.035	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	126860	49.961	ug/l	97
22) Diisopropyl ether	6.012	45	400685	51.947	ug/l	99
23) Vinyl Acetate	5.958	43	1158030	256.635	ug/l	99
24) 1,1-Dichloroethane	5.915	63	229920	49.850	ug/l	99
25) 2-Butanone	6.890	43	171790	246.699	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202048	49.248	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	142913	50.049	ug/l	99
28) Bromochloromethane	7.238	49	98416	50.596	ug/l	99
29) Tetrahydrofuran	7.256	42	115430	257.561	ug/l	99
30) Chloroform	7.421	83	238885	49.797	ug/l	99
31) Cyclohexane	7.701	56	203830	48.480	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	215280	49.652	ug/l	98
36) 1,1-Dichloropropene	7.835	75	173128	53.022	ug/l	99
37) Ethyl Acetate	6.982	43	79695	51.716	ug/l	98
38) Carbon Tetrachloride	7.817	117	200776	53.686	ug/l	98
39) Methylcyclohexane	9.110	83	211833	54.307	ug/l	99
40) Benzene	8.079	78	519385	53.115	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:32:36 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	44282	54.109	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	145634	52.829	ug/l	99
43) Isopropyl Acetate	8.195	43	150197	51.432	ug/l #	85
44) Trichloroethene	8.866	130	129956	52.160	ug/l	100
45) 1,2-Dichloropropane	9.140	63	122763	53.038	ug/l	100
46) Dibromomethane	9.231	93	71550	53.637	ug/l	97
47) Bromodichloromethane	9.420	83	183708	53.147	ug/l	99
48) Methyl methacrylate	9.219	41	74238	55.389	ug/l	97
49) 1,4-Dioxane	9.225	88	15546	1087.866	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	419220	275.853	ug/l	99
52) Toluene	10.170	92	329514	54.010	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	166167	54.122	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	193376	53.389	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	91162	53.104	ug/l	99
56) Ethyl methacrylate	10.439	69	121632	55.489	ug/l	98
57) 1,3-Dichloropropane	10.719	76	161318	54.411	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	317515	296.929	ug/l	100
59) 2-Hexanone	10.762	43	282672	279.290	ug/l	99
60) Dibromochloromethane	10.908	129	127495	54.396	ug/l	100
61) 1,2-Dibromoethane	11.012	107	87468	54.315	ug/l	99
64) Tetrachloroethene	10.646	164	139924	50.794	ug/l	96
65) Chlorobenzene	11.438	112	351796	50.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	128337	52.170	ug/l	100
67) Ethyl Benzene	11.518	91	622139	52.327	ug/l	99
68) m/p-Xylenes	11.627	106	481760	105.817	ug/l	100
69) o-Xylene	11.957	106	223057	53.076	ug/l	99
70) Styrene	11.969	104	384466	54.868	ug/l	98
71) Bromoform	12.133	173	74815	53.316	ug/l #	100
73) Isopropylbenzene	12.255	105	588325	51.977	ug/l	99
74) N-amyl acetate	12.072	43	138528	52.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	102605	50.420	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	78144m	51.730	ug/l	
77) Bromobenzene	12.530	156	140917	51.852	ug/l	99
78) n-propylbenzene	12.597	91	717878	52.754	ug/l	99
79) 2-Chlorotoluene	12.682	91	407733	51.587	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	490840	53.059	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34607	52.787	ug/l	98
82) 4-Chlorotoluene	12.780	91	426228	51.727	ug/l	100
83) tert-Butylbenzene	12.999	119	433355	52.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	486329	53.191	ug/l	100
85) sec-Butylbenzene	13.176	105	631509	52.444	ug/l	99
86) p-Isopropyltoluene	13.292	119	530150	53.269	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	275074	51.375	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	269656	50.974	ug/l	99
89) n-Butylbenzene	13.621	91	487459	52.961	ug/l	100
90) Hexachloroethane	13.877	117	109245	50.091	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	238170	51.099	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15397	48.816	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	129975	51.422	ug/l	99
94) Hexachlorobutadiene	15.023	225	80551	51.027	ug/l	98
95) Naphthalene	15.145	128	223037	53.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	113397	52.610	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021710.D
Acq On : 31 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:32:36 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

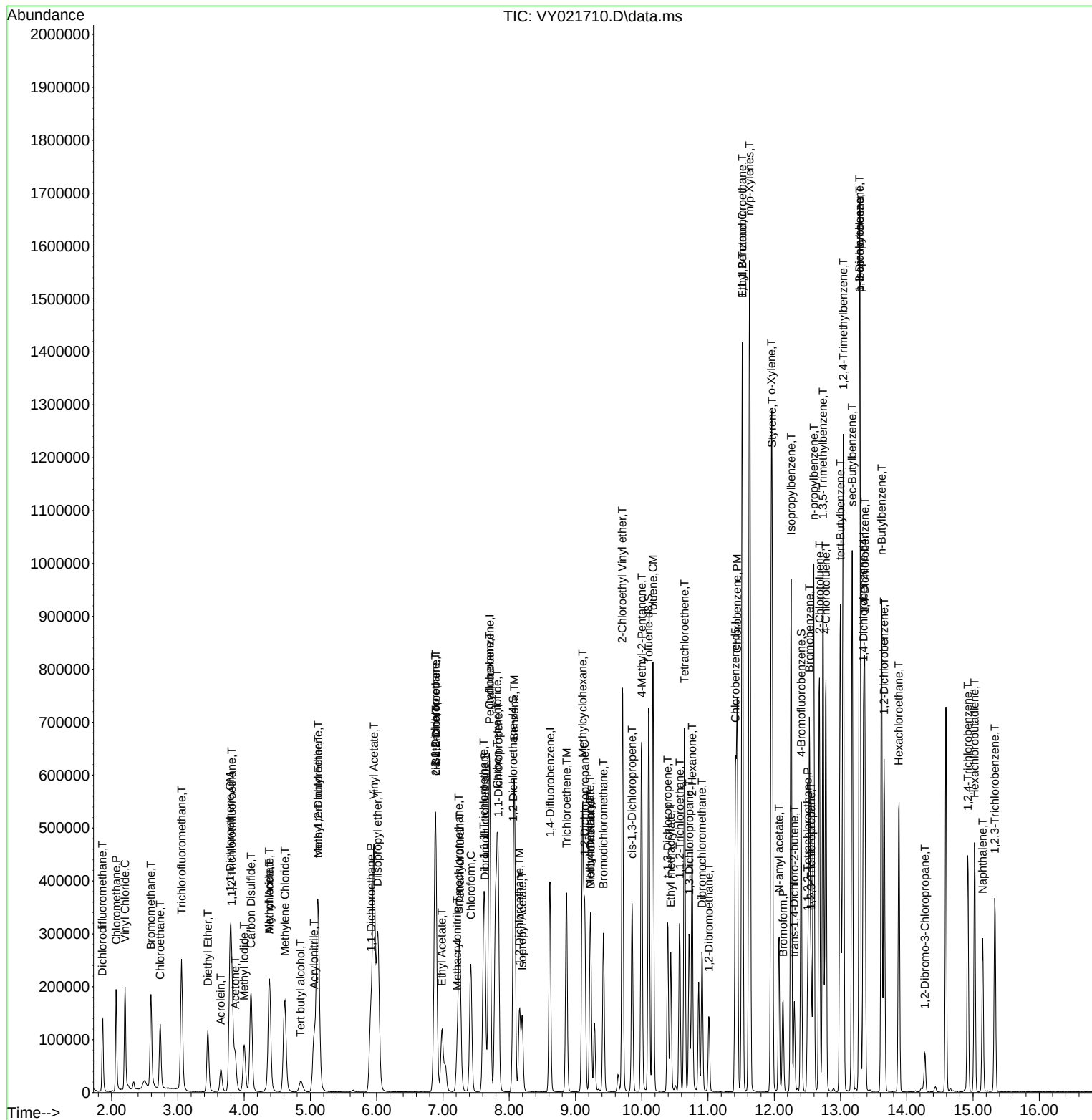
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

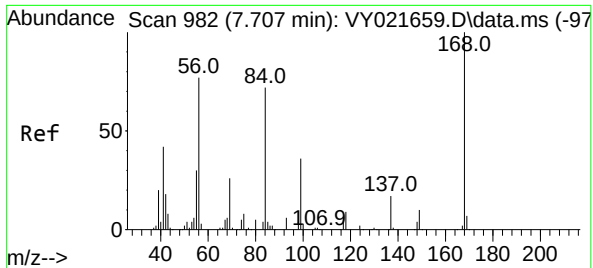
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 01 05:32:36 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 :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025





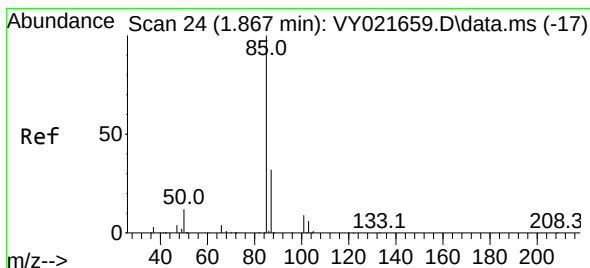
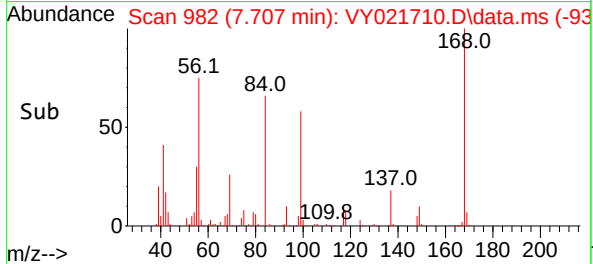
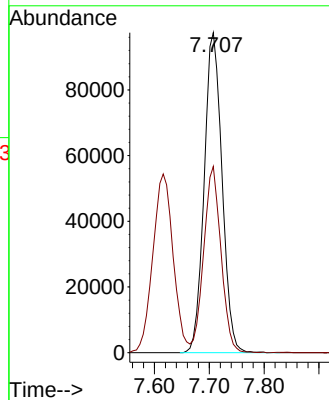
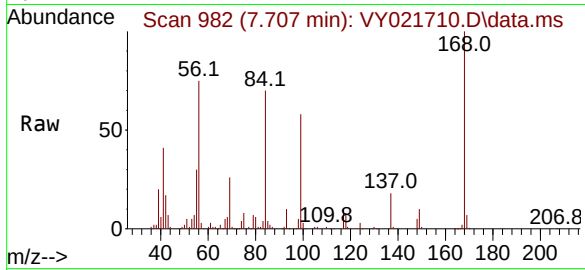
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 21986
Ion Ratio Lower Upper
168 100
99 58.1 46.7 70.1

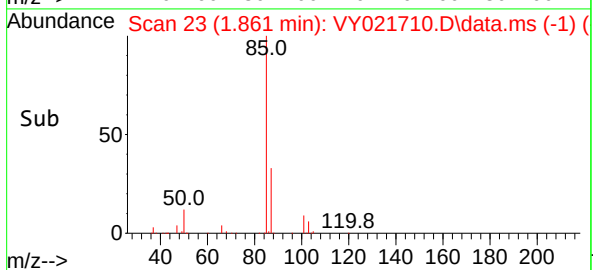
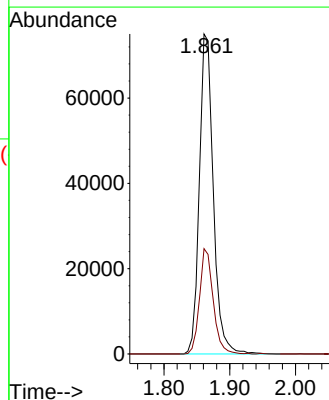
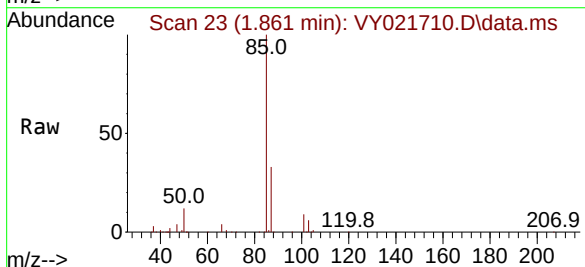
Manual Integrations
APPROVED

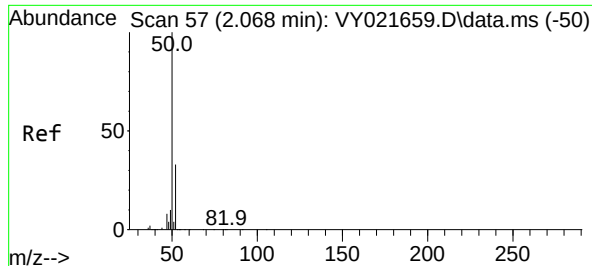
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#2
Dichlorodifluoromethane
Concen: 48.634 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

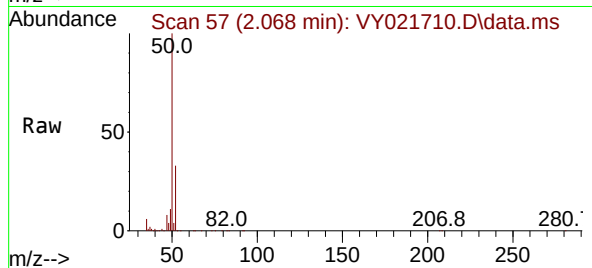
Tgt Ion: 85 Resp: 110829
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6





#3
Chloromethane
Concen: 47.952 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

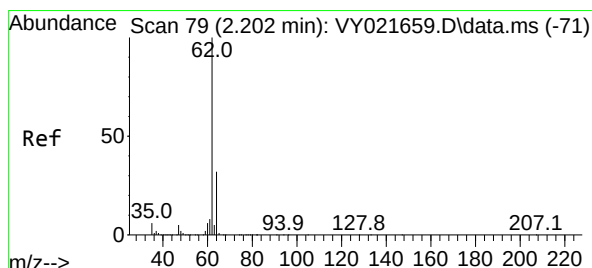
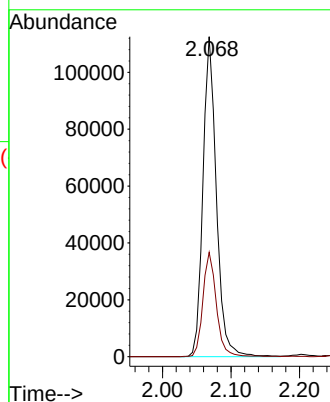
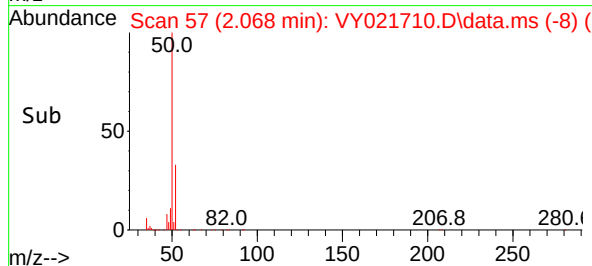
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 153650
Ion Ratio Lower Upper
50 100
52 32.6 26.3 39.5

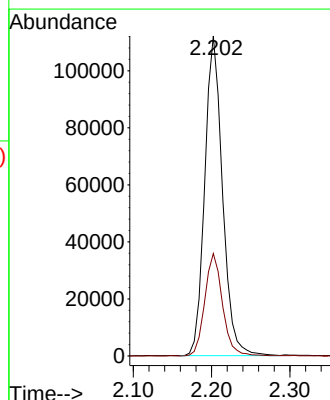
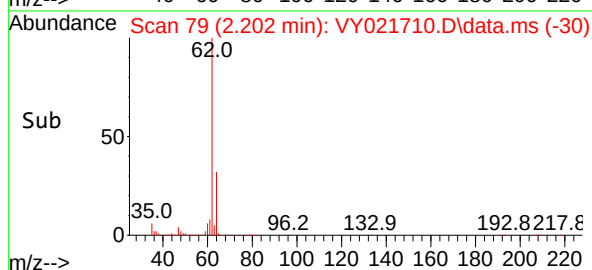
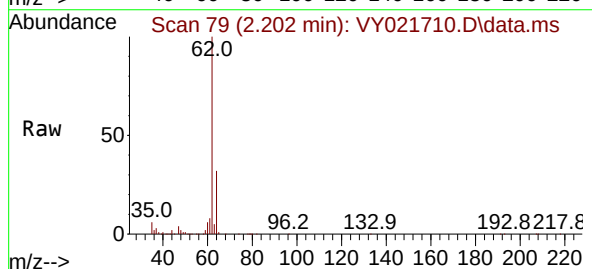
Manual Integrations
APPROVED

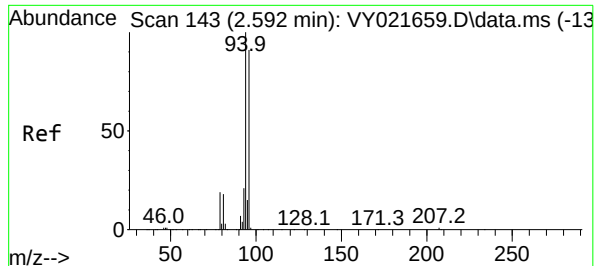
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#4
Vinyl Chloride
Concen: 48.678 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

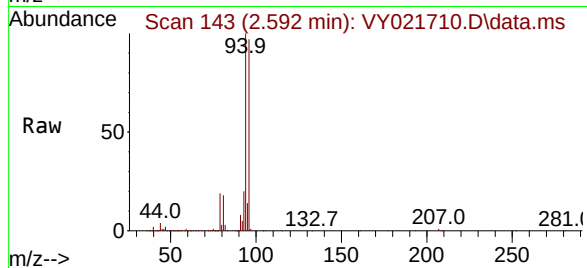
Tgt Ion: 62 Resp: 176402
Ion Ratio Lower Upper
62 100
64 32.1 25.5 38.3





#5
Bromomethane
Concen: 46.691 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

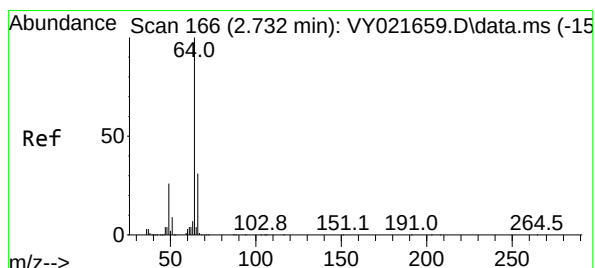
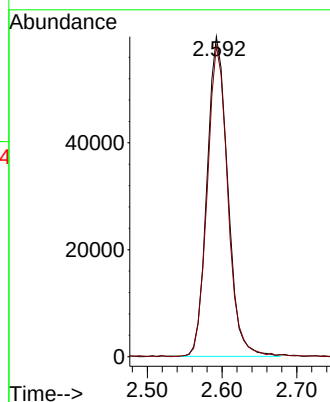
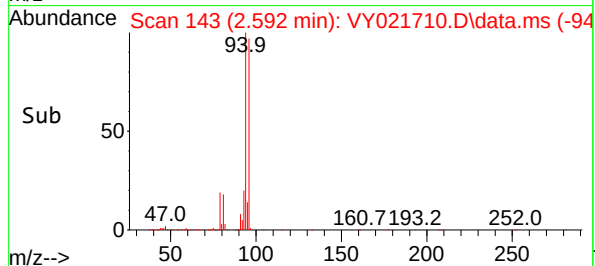
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



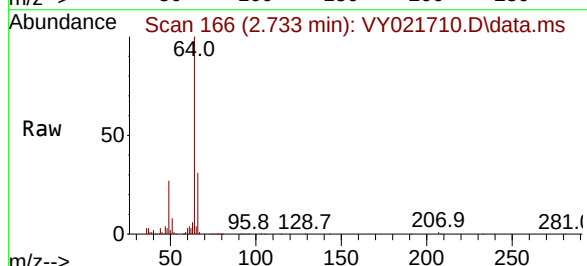
Tgt Ion: 94 Resp: 115403
Ion Ratio Lower Upper
94 100
96 97.0 72.8 109.2

Manual Integrations
APPROVED

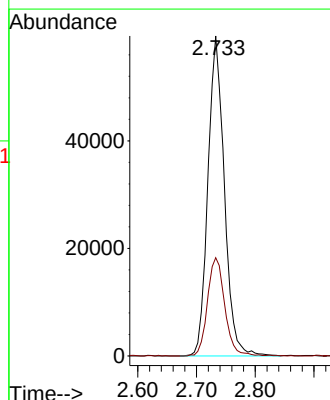
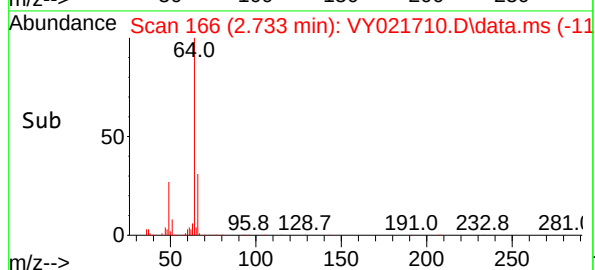
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

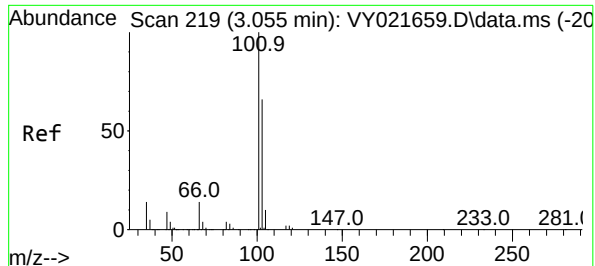


#6
Chloroethane
Concen: 48.684 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08



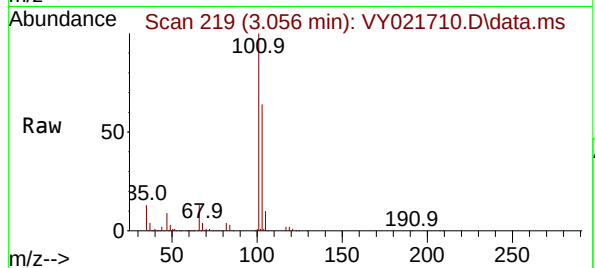
Tgt Ion: 64 Resp: 115443
Ion Ratio Lower Upper
64 100
66 30.7 24.9 37.3





#7
Trichlorofluoromethane
Concen: 50.894 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

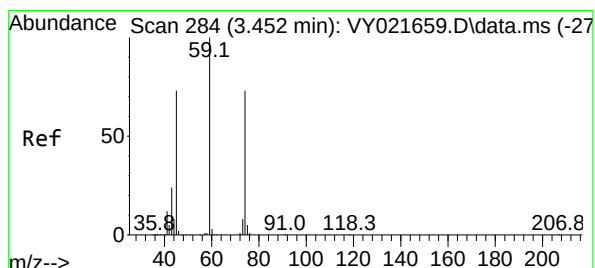
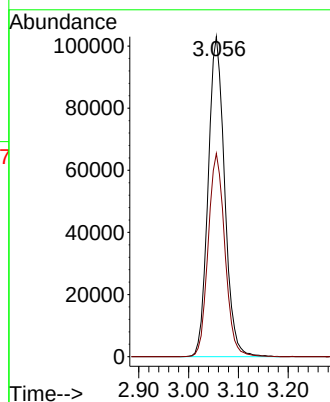
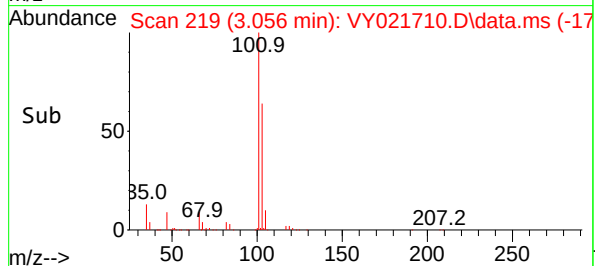
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



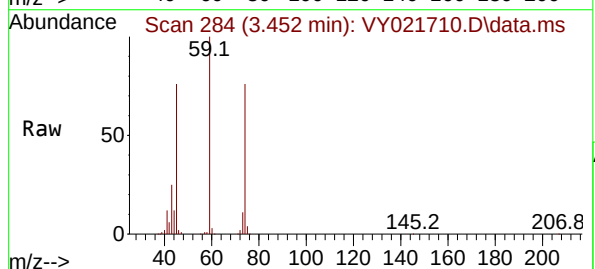
Tgt Ion:101 Resp: 236259
Ion Ratio Lower Upper
101 100
103 63.5 53.1 79.7

Manual Integrations
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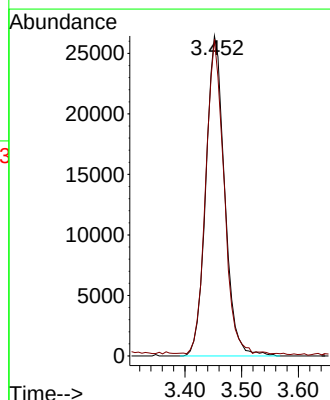
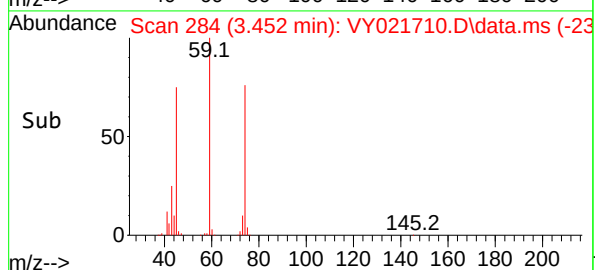
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

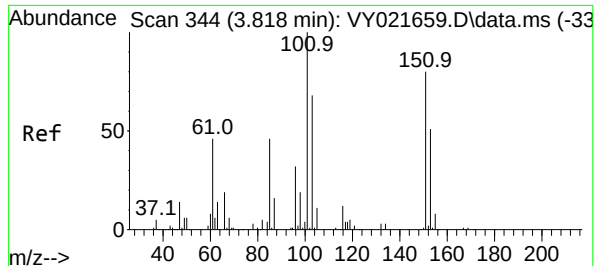


#8
Diethyl Ether
Concen: 48.091 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08



Tgt Ion: 74 Resp: 60712
Ion Ratio Lower Upper
74 100
45 94.6 48.6 145.8





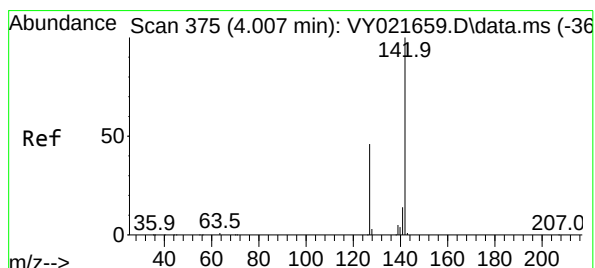
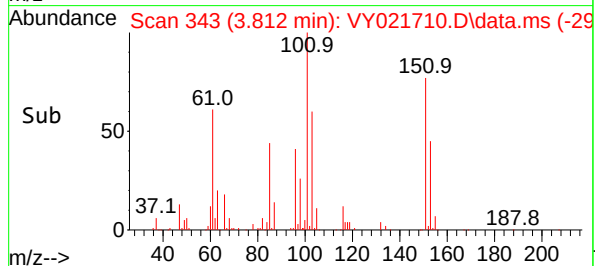
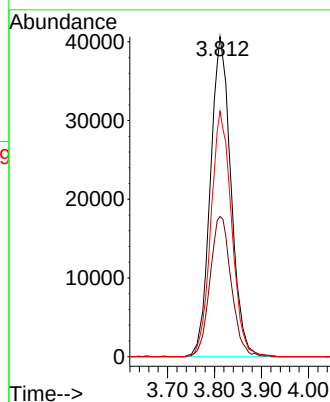
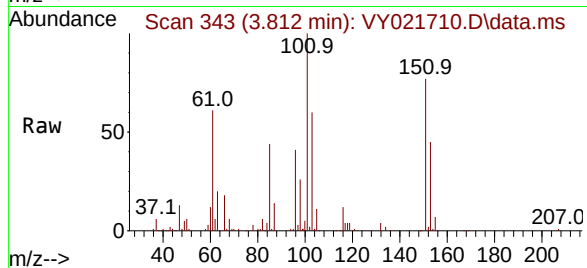
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.392 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 123379
Ion Ratio Lower Upper
101 100
85 45.2 36.3 54.5
151 77.4 61.3 91.9

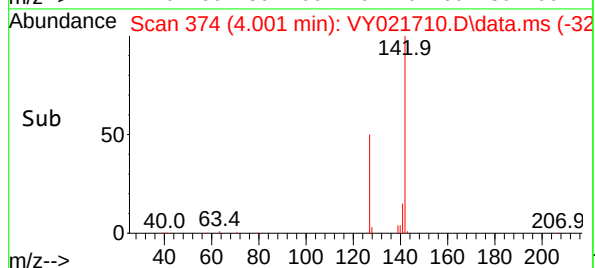
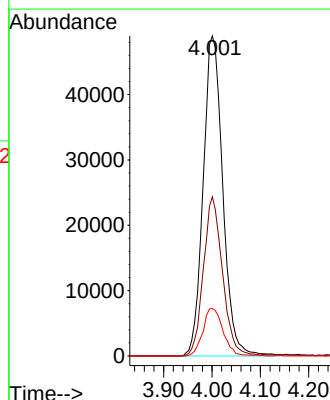
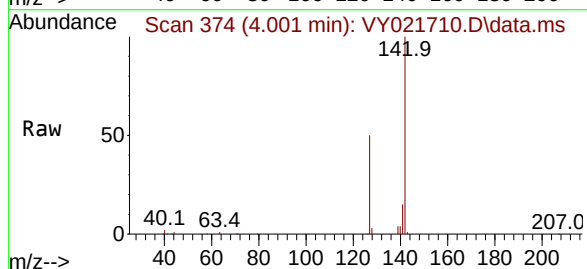
Manual Integrations
APPROVED

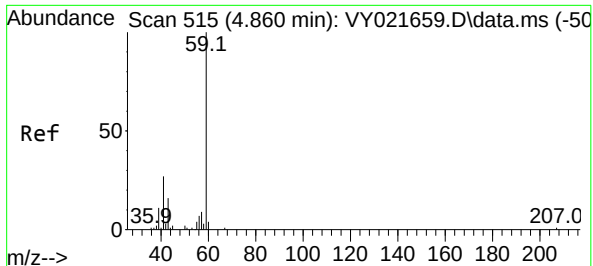
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#10
Methyl Iodide
Concen: 51.427 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:142 Resp: 138134
Ion Ratio Lower Upper
142 100
127 48.2 38.7 58.1
141 15.2 11.5 17.3





#11

Tert butyl alcohol

Concen: 233.635 ug/l

RT: 4.848 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 36150

Ion Ratio Lower Upper

59 100

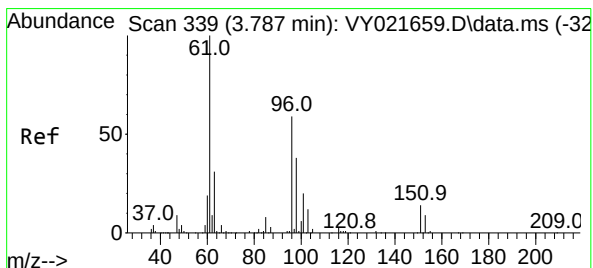
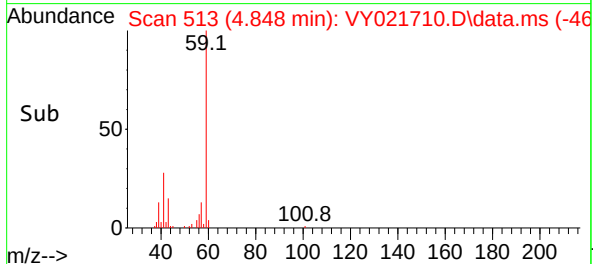
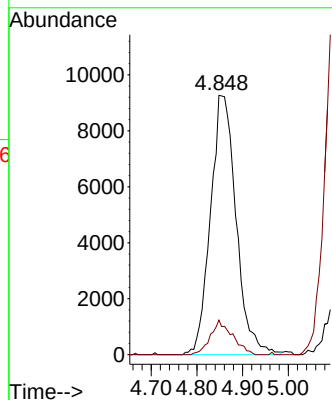
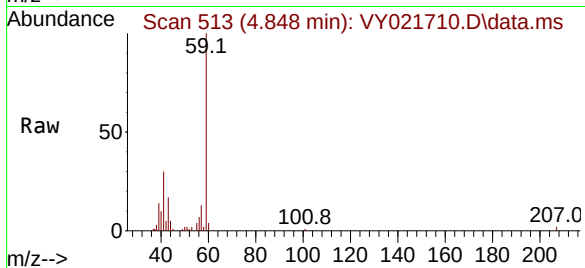
57 11.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#12

1,1-Dichloroethene

Concen: 49.486 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

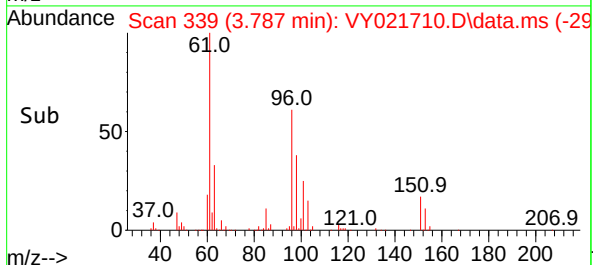
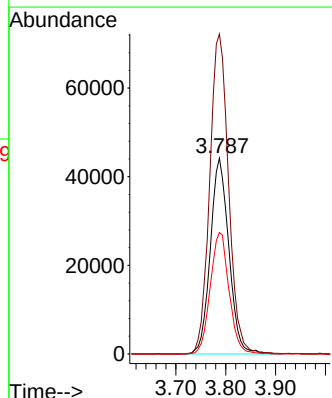
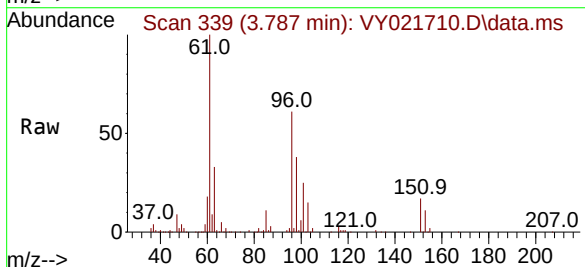
Tgt Ion: 96 Resp: 114123

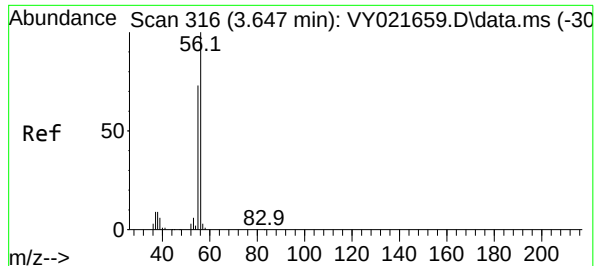
Ion Ratio Lower Upper

96 100

61 163.4 136.6 204.8

98 62.0 52.3 78.5





#13

Acrolein

Concen: 170.852 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 48270

Ion Ratio Lower Upper

56 100

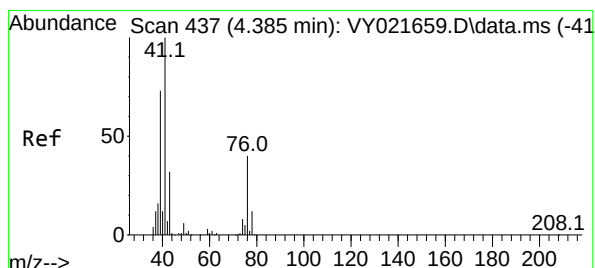
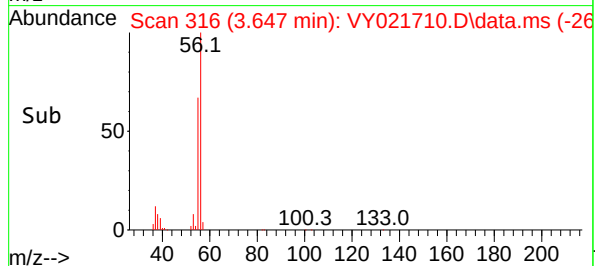
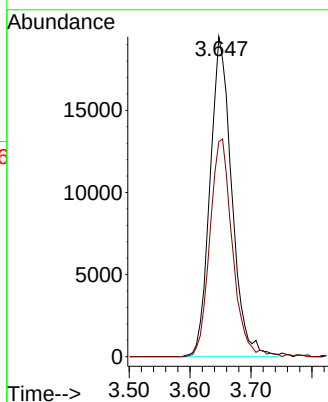
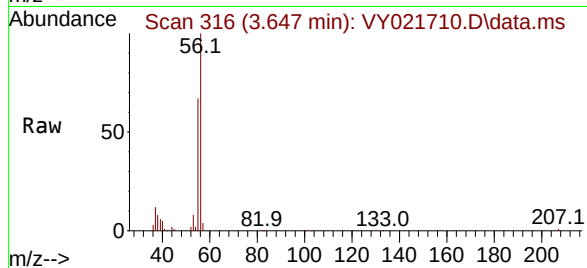
55 70.5 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#14

Allyl chloride

Concen: 49.344 ug/l

RT: 4.379 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

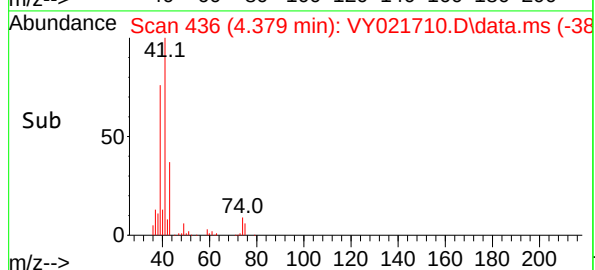
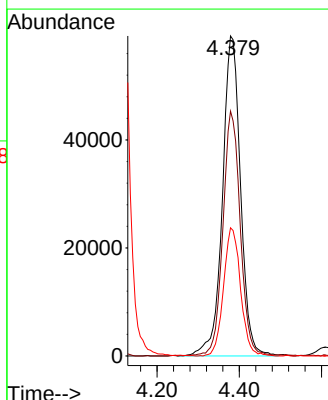
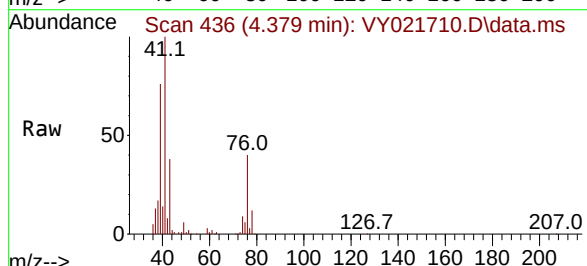
Tgt Ion: 41 Resp: 181439

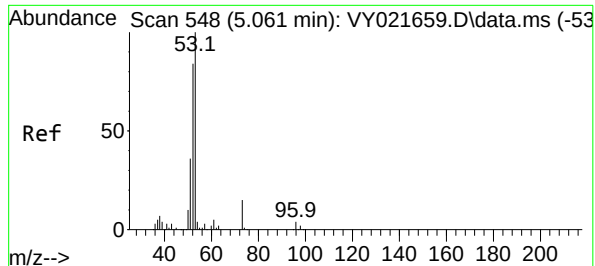
Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 37.7 30.3 45.5





#15

Acrylonitrile

Concen: 252.846 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 133278

Ion Ratio Lower Upper

53 100

52 83.0 64.9 97.3

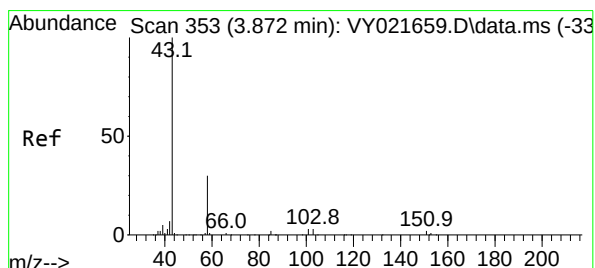
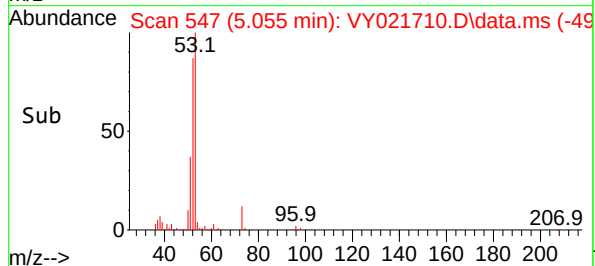
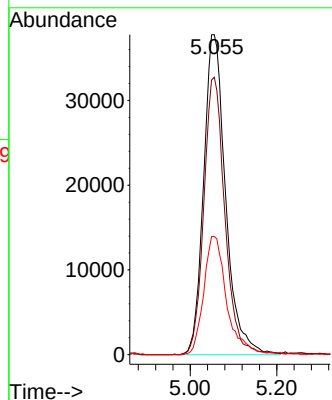
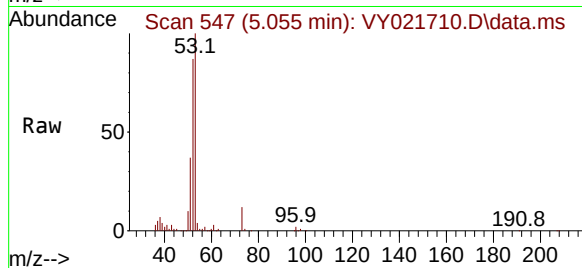
51 38.4 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#16

Acetone

Concen: 219.682 ug/l

RT: 3.867 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021710.D

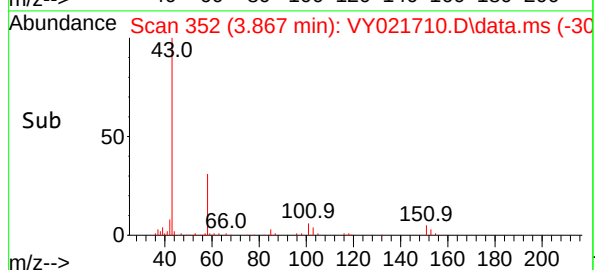
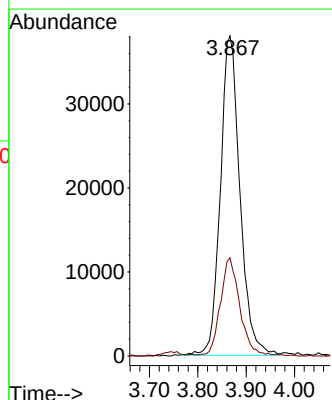
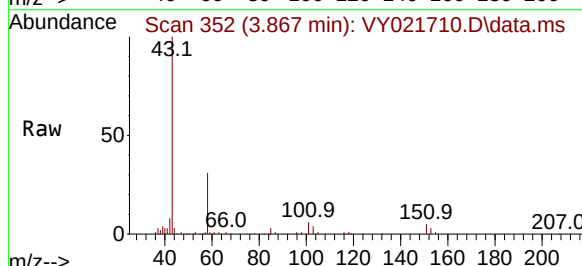
Acq: 31 Mar 2025 10:08

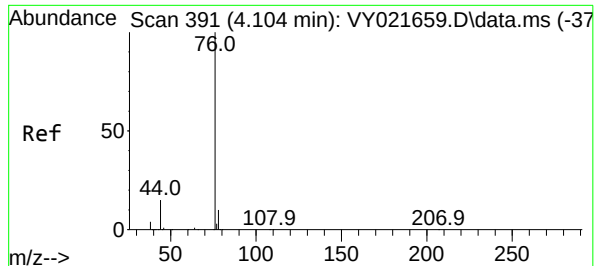
Tgt Ion: 43 Resp: 107103

Ion Ratio Lower Upper

43 100

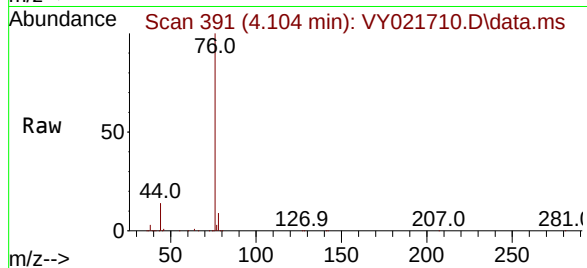
58 30.4 24.2 36.4





#17
Carbon Disulfide
Concen: 49.414 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

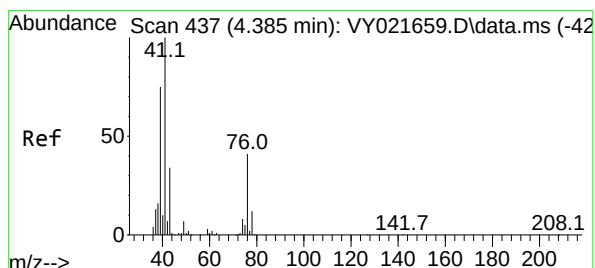
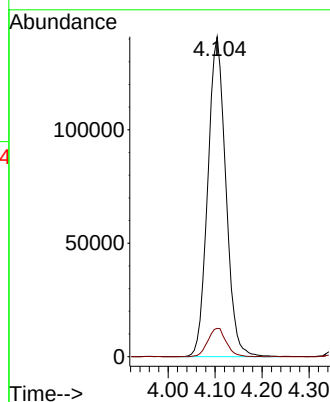
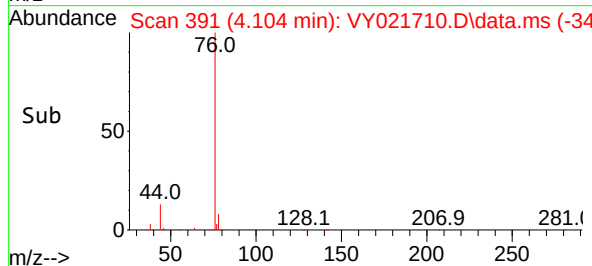
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 375340
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

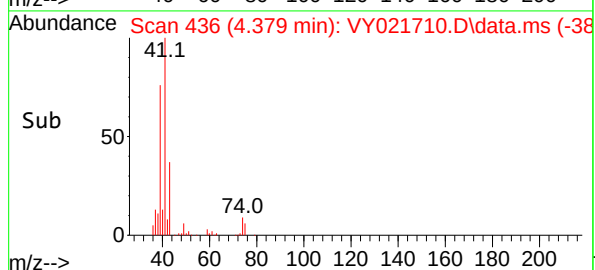
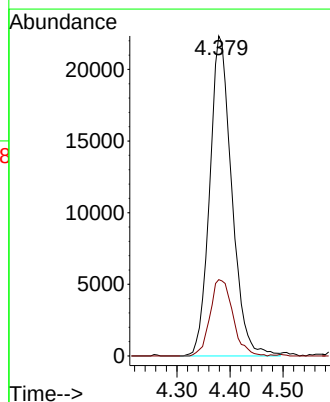
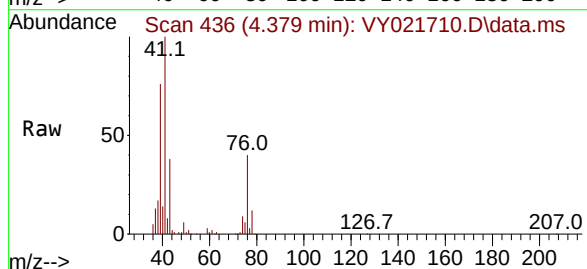
Manual Integrations
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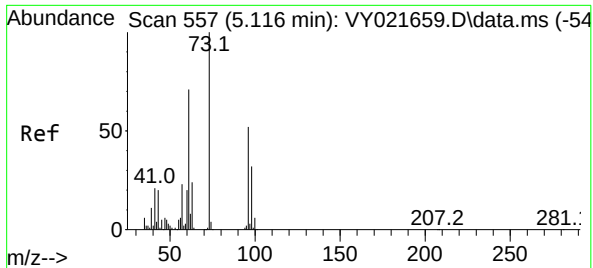
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#18
Methyl Acetate
Concen: 53.480 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion: 43 Resp: 64621
Ion Ratio Lower Upper
43 100
74 24.7 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.507 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 289989

Ion Ratio Lower Upper

73 100

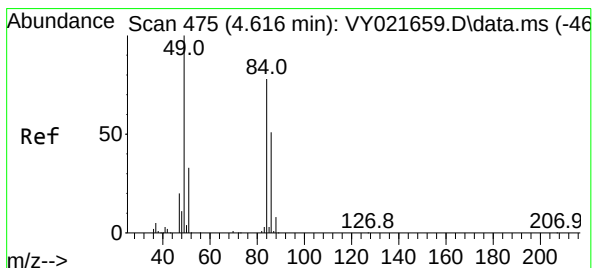
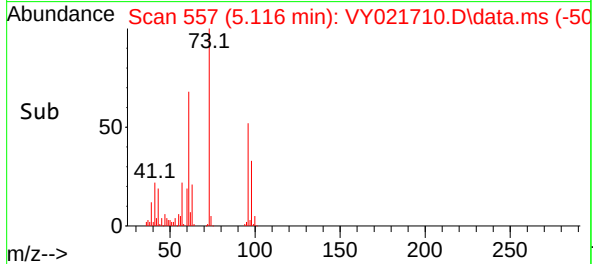
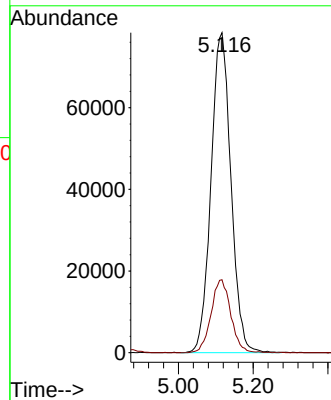
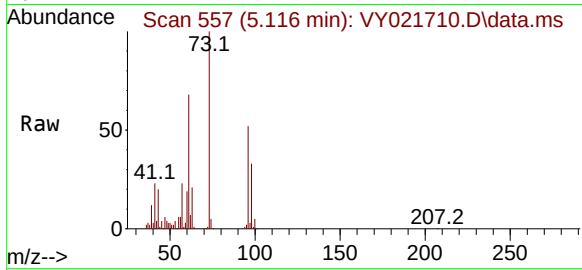
57 22.8 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#20

Methylene Chloride

Concen: 53.035 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Tgt Ion: 84 Resp: 125964

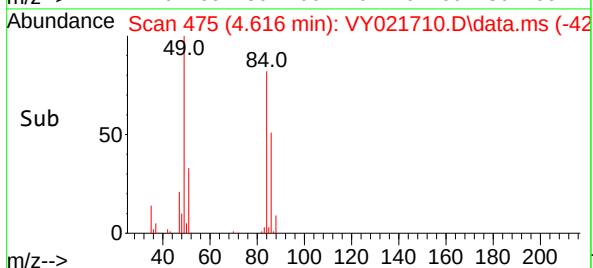
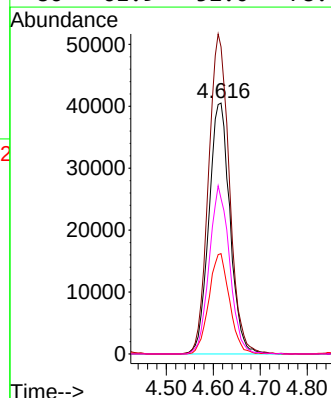
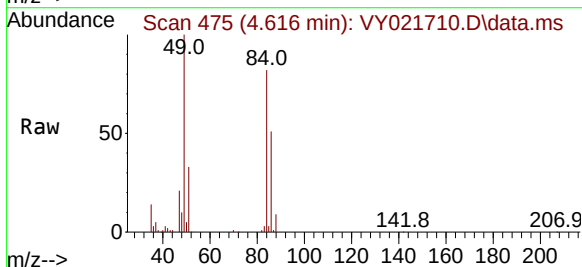
Ion Ratio Lower Upper

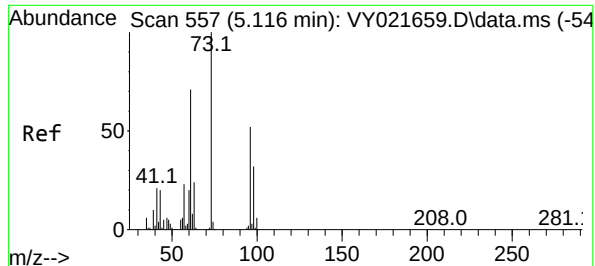
84 100

49 122.4 102.8 154.2

51 40.0 33.5 50.3

86 61.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 49.961 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 126860

Ion Ratio Lower Upper

96 100

61 130.9 109.4 164.0

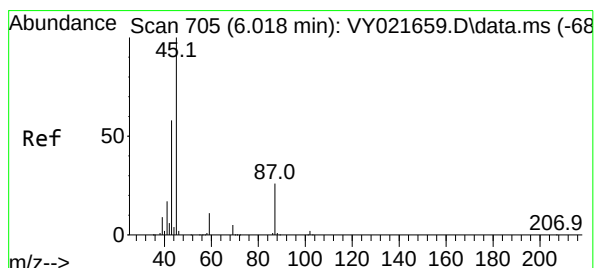
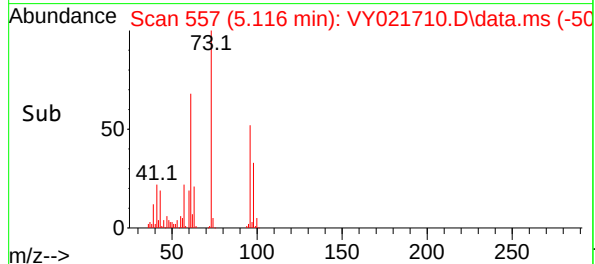
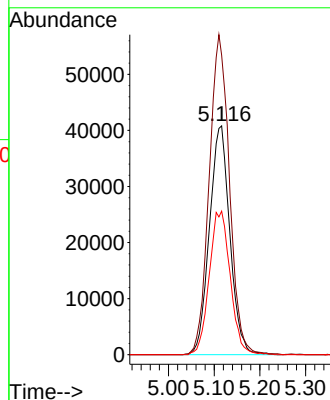
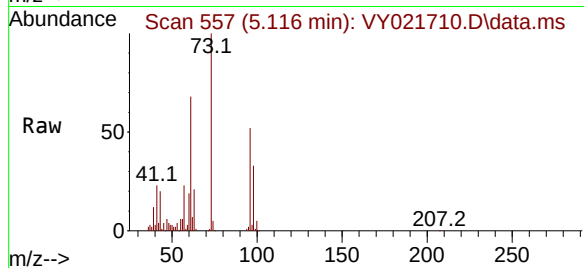
98 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#22

Diisopropyl ether

Concen: 51.947 ug/l

RT: 6.012 min Scan# 704

Delta R.T. -0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Tgt Ion: 45 Resp: 400685

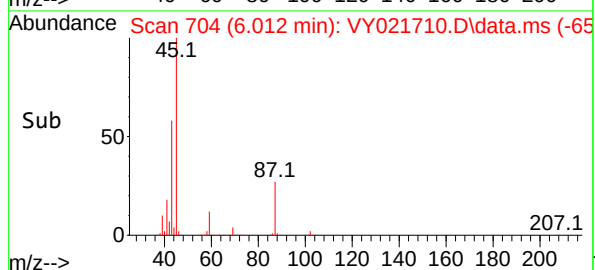
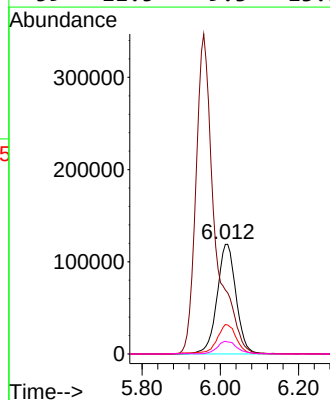
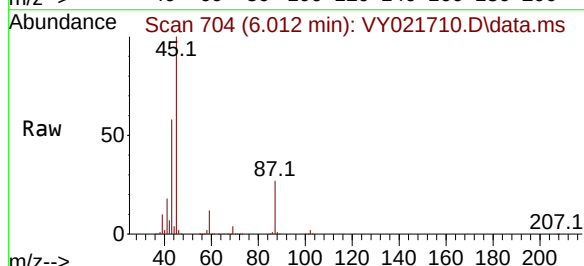
Ion Ratio Lower Upper

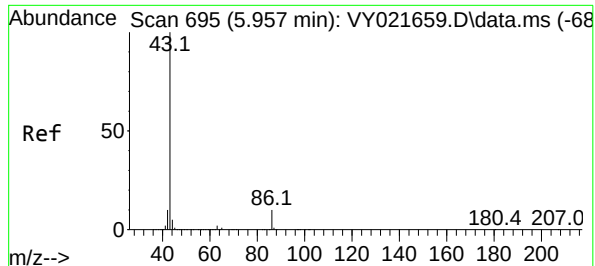
45 100

43 58.0 46.6 69.8

87 26.9 20.7 31.1

59 11.5 9.3 13.9





#23

Vinyl Acetate

Concen: 256.635 ug/l

RT: 5.958 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1158030

Ion Ratio Lower Upper

43 100

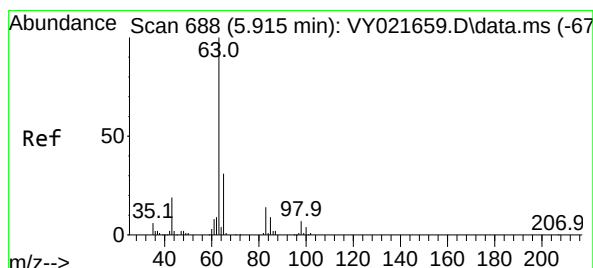
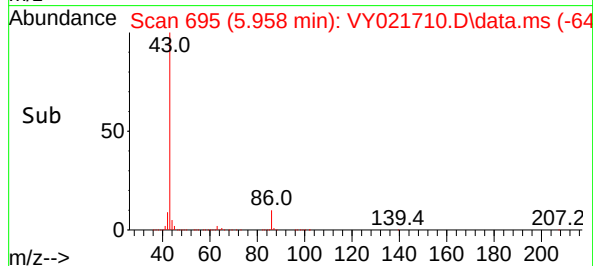
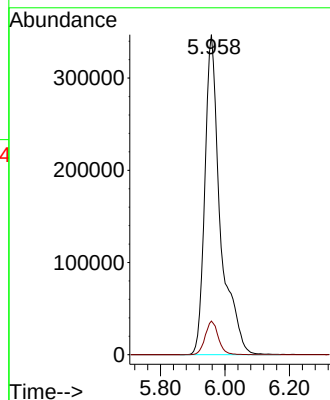
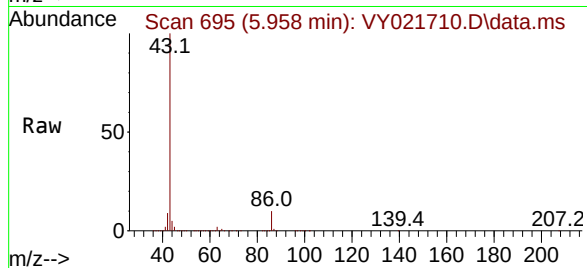
86 10.5 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#24

1,1-Dichloroethane

Concen: 49.850 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

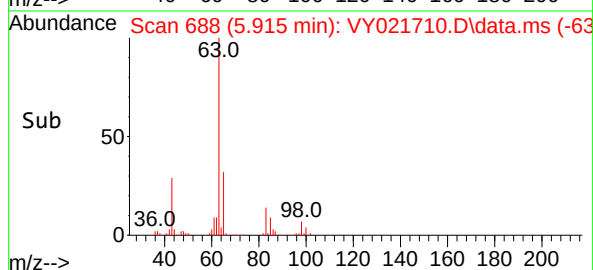
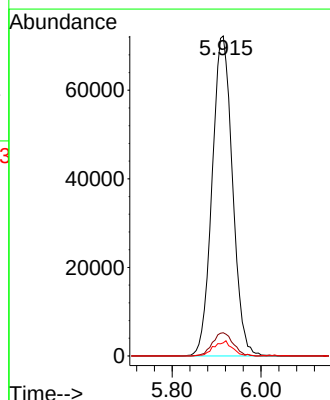
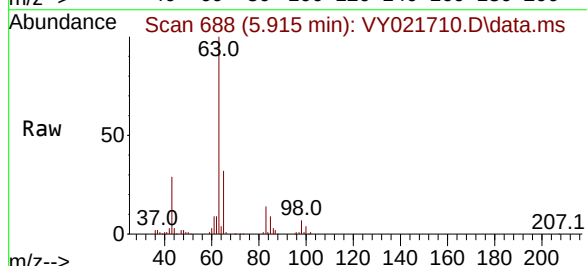
Tgt Ion: 63 Resp: 229920

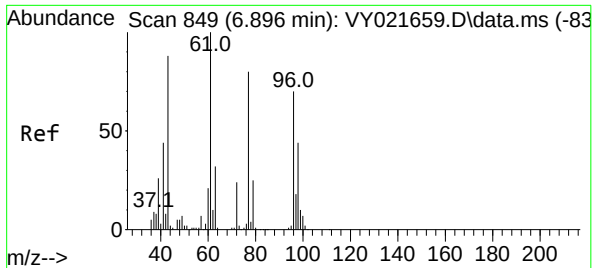
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

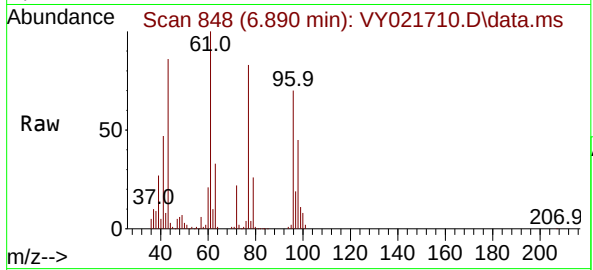
100 4.1 2.2 6.6





#25
2-Butanone
Concen: 246.699 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

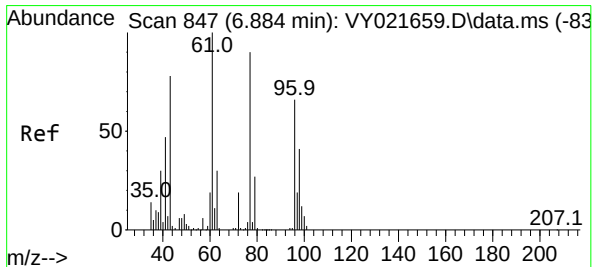
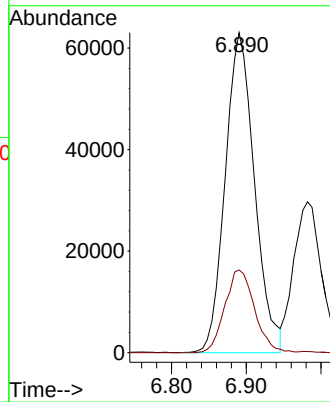
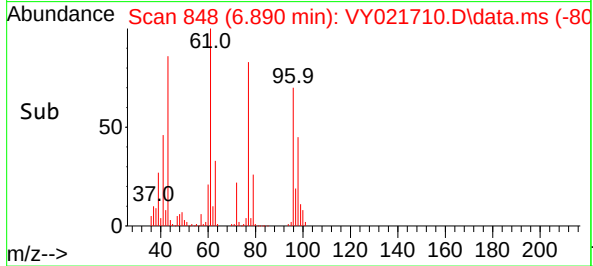
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 171790
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.2

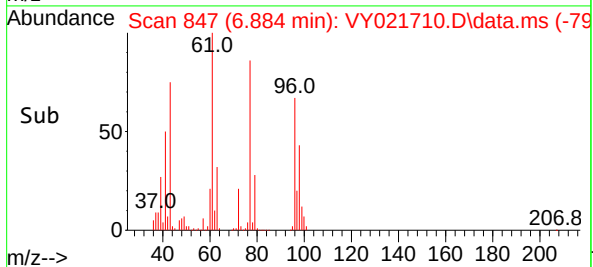
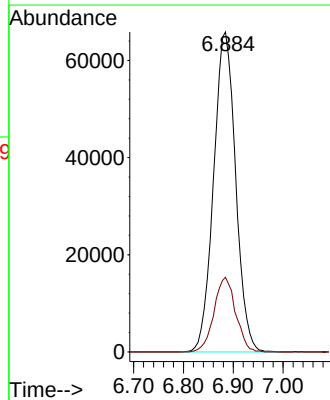
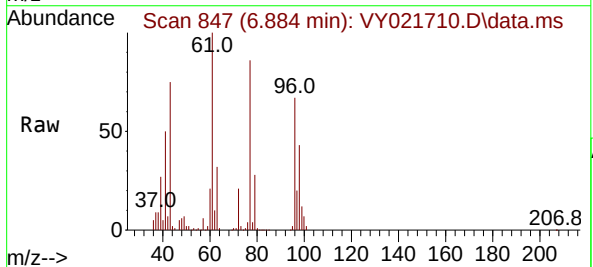
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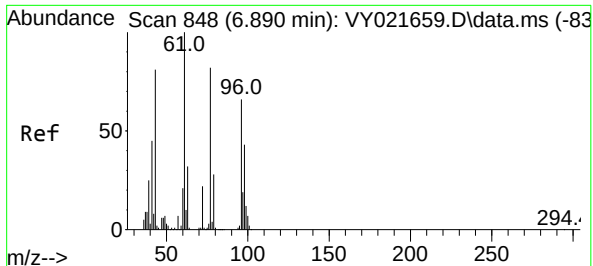
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#26
2,2-Dichloropropane
Concen: 49.248 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

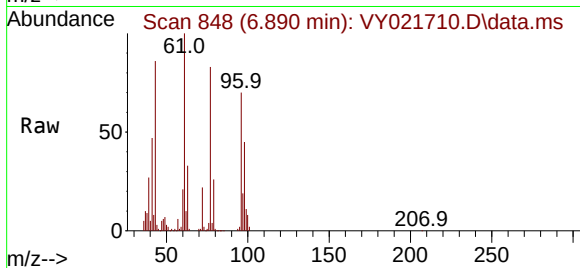
Tgt Ion: 77 Resp: 202048
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 50.049 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY021710.D
 Acq: 31 Mar 2025 10:08

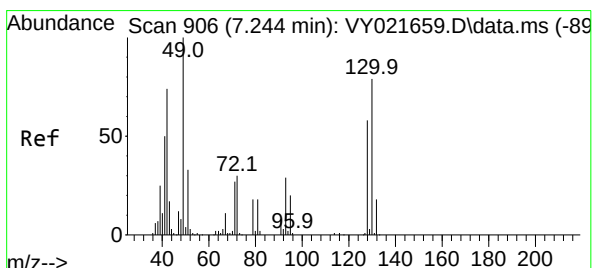
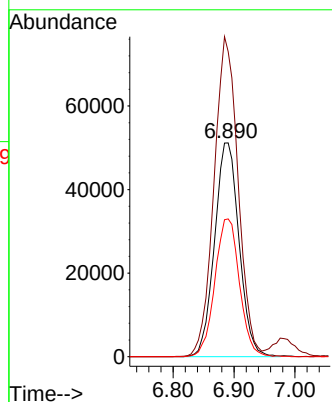
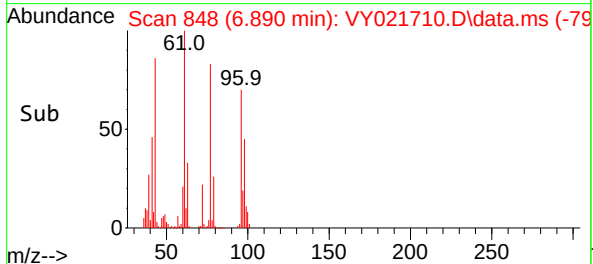
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 142911
 Ion Ratio Lower Upper
 96 100
 61 147.0 0.0 296.4
 98 64.8 0.0 128.0

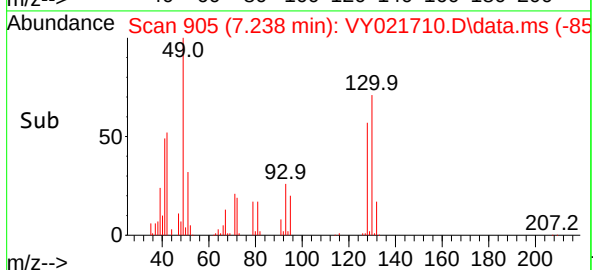
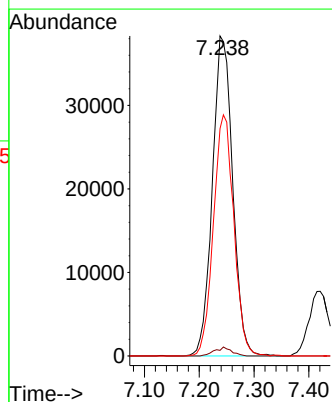
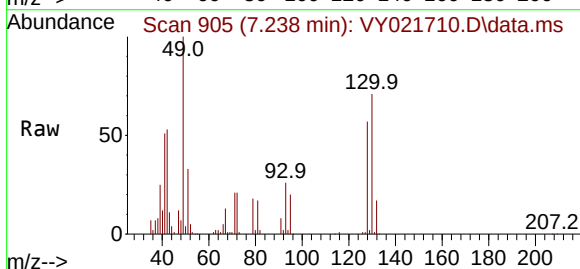
Manual Integrations
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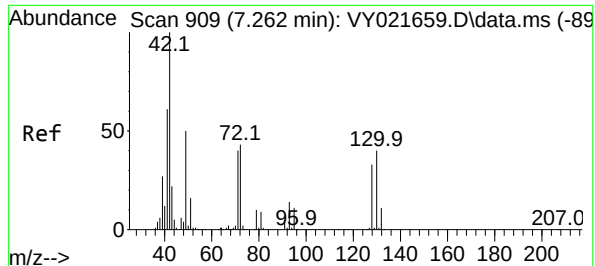
Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025



#28
 Bromochloromethane
 Concen: 50.596 ug/l
 RT: 7.238 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY021710.D
 Acq: 31 Mar 2025 10:08

Tgt Ion: 49 Resp: 98416
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 75.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 257.561 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 115430

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

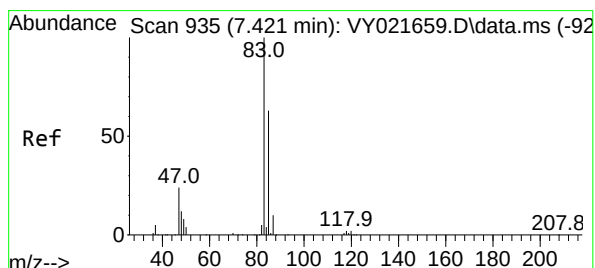
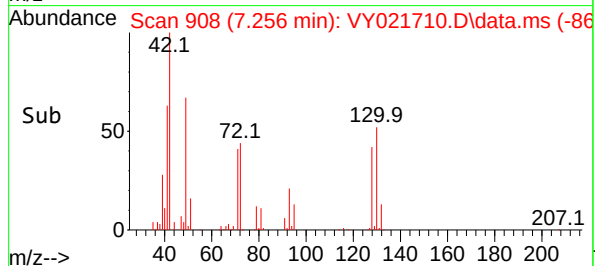
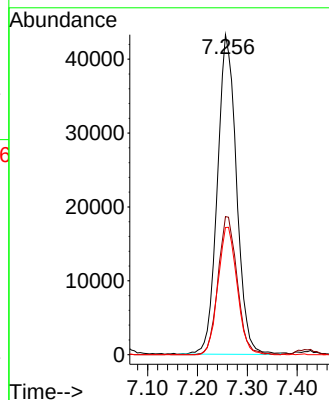
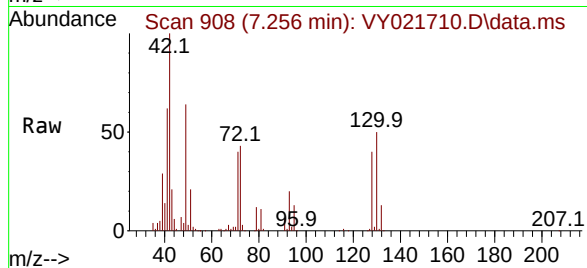
71 39.9 32.5 48.7

Manual Integrations

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Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#30

Chloroform

Concen: 49.797 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021710.D

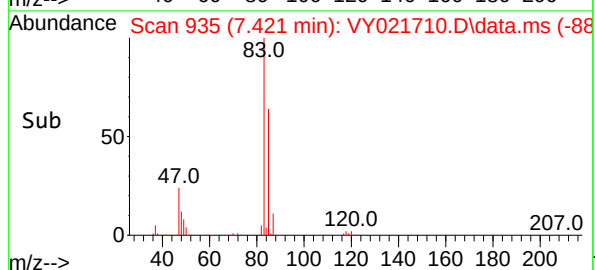
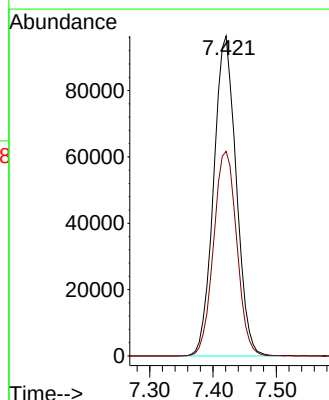
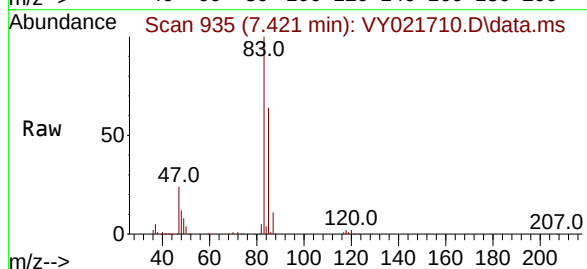
Acq: 31 Mar 2025 10:08

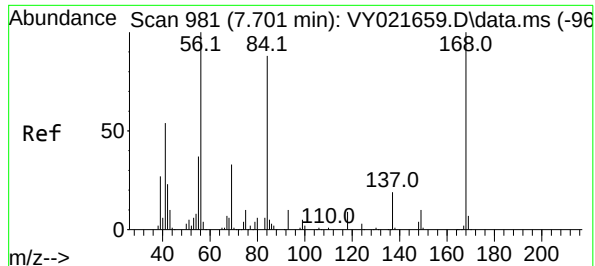
Tgt Ion: 83 Resp: 238885

Ion Ratio Lower Upper

83 100

85 64.0 50.6 75.8





#31

Cyclohexane

Concen: 48.480 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 203830

Ion Ratio Lower Upper

56 100

69 31.8 26.6 40.0

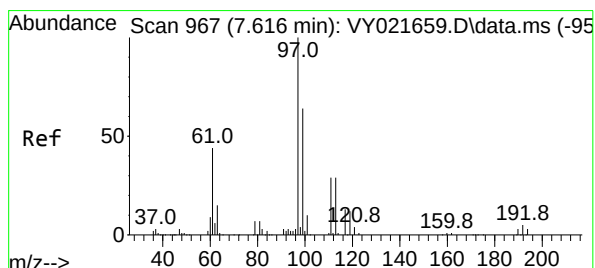
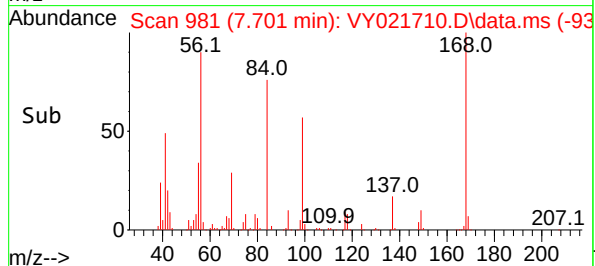
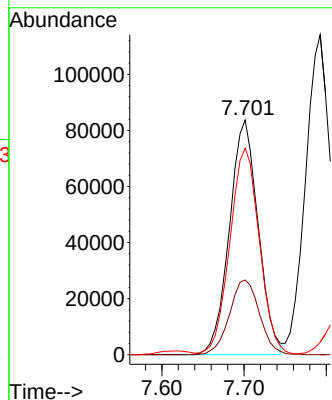
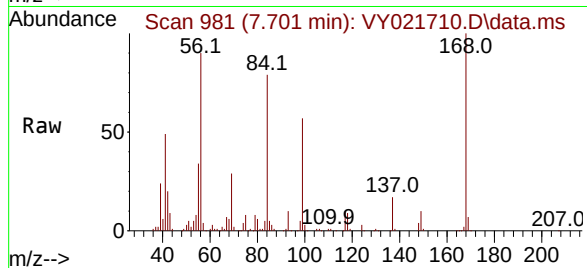
84 86.3 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#32

1,1,1-Trichloroethane

Concen: 49.652 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

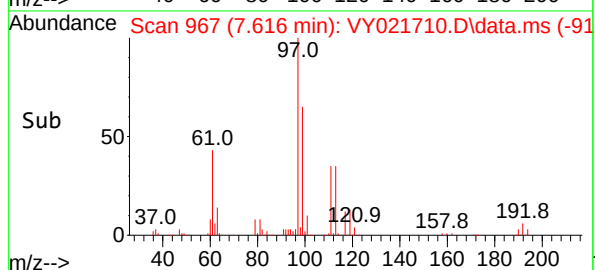
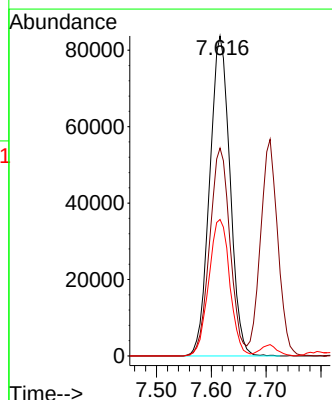
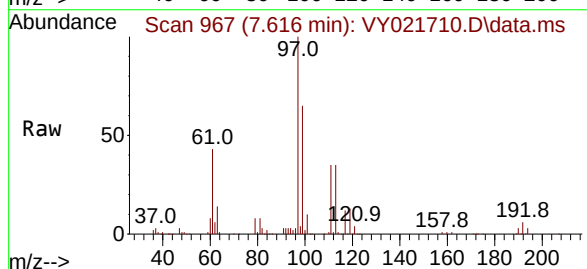
Tgt Ion: 97 Resp: 215280

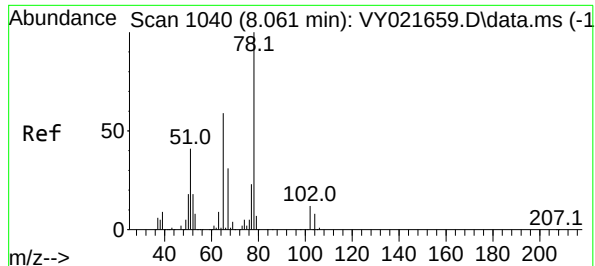
Ion Ratio Lower Upper

97 100

99 65.2 50.7 76.1

61 44.3 35.2 52.8





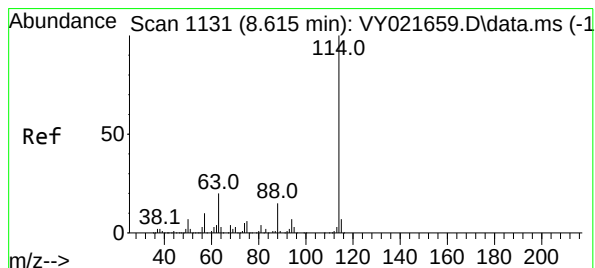
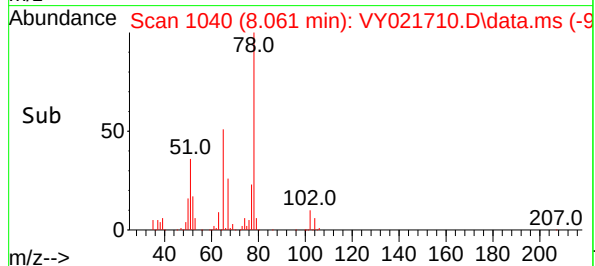
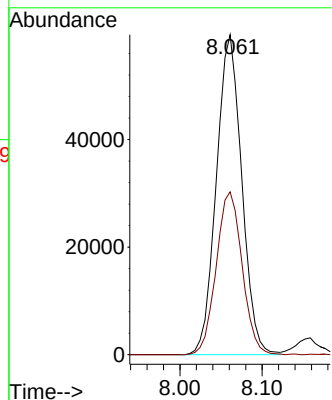
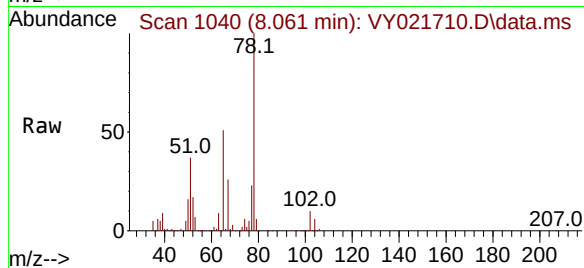
#33
1,2-Dichloroethane-d4
Concen: 53.504 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 127450
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

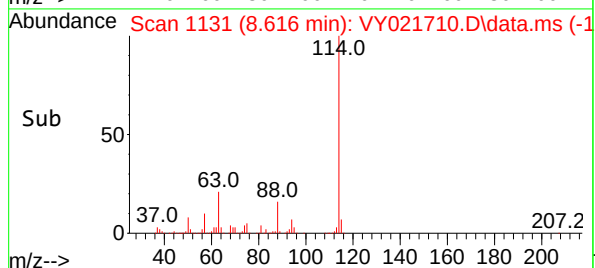
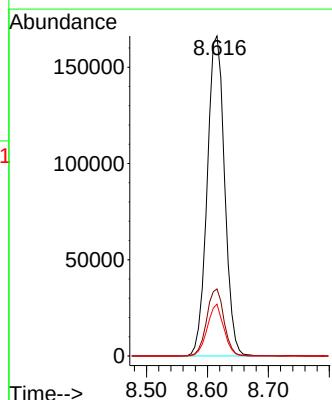
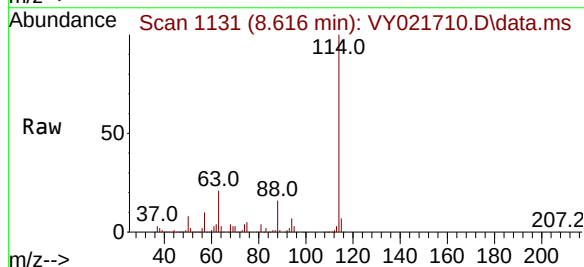
Manual Integrations
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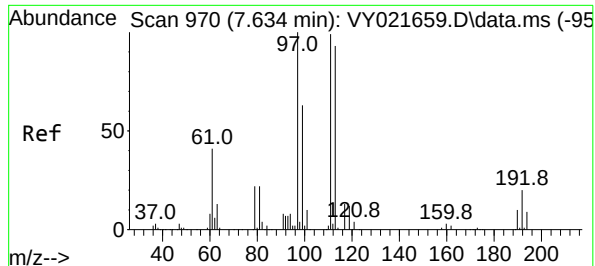
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:114 Resp: 330473
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 16.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 57.318 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 12287

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

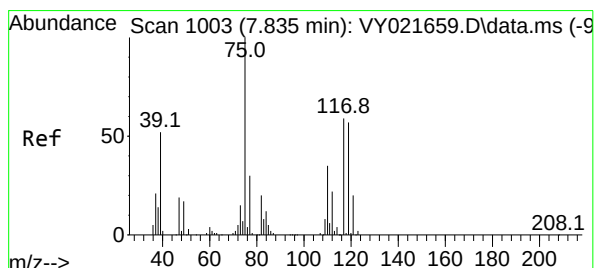
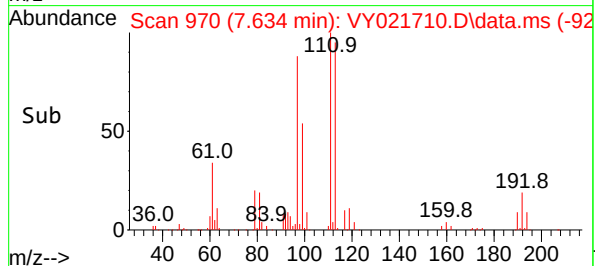
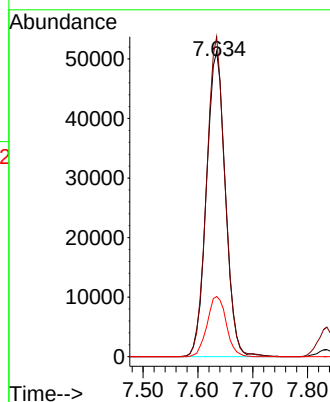
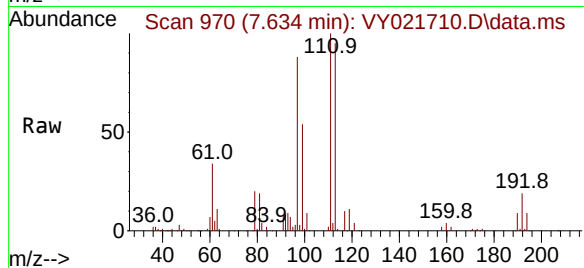
192 20.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#36

1,1-Dichloropropene

Concen: 53.022 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

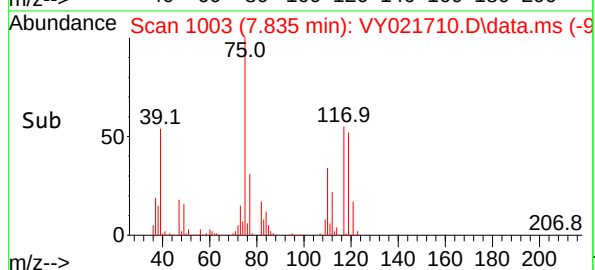
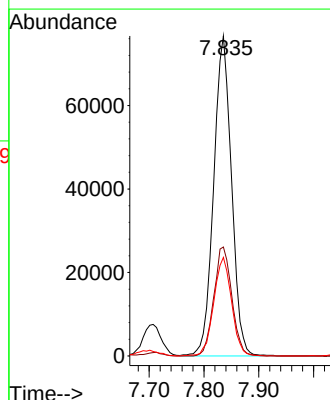
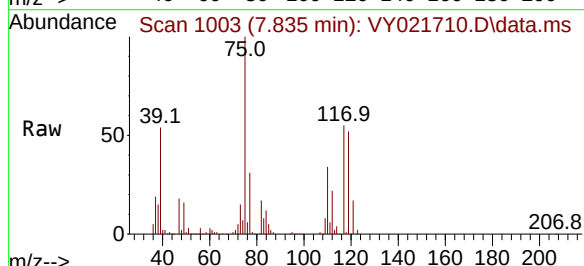
Tgt Ion: 75 Resp: 173128

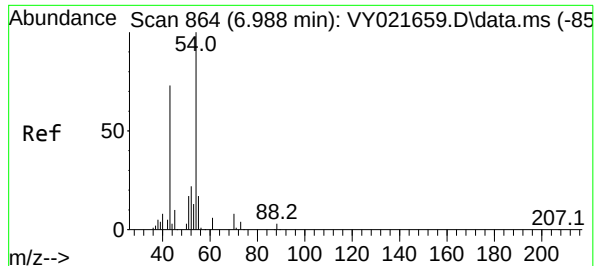
Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

77 30.9 24.8 37.2





#37

Ethyl Acetate

Concen: 51.716 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 7969

Ion Ratio Lower Upper

43 100

61 15.2 11.0 16.6

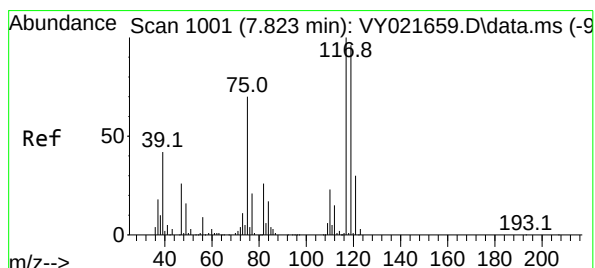
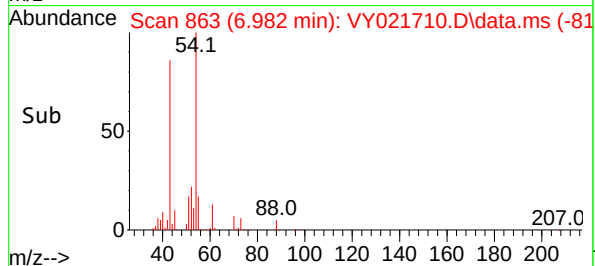
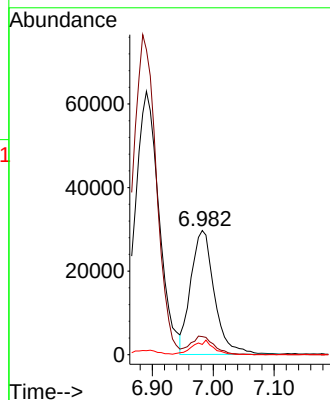
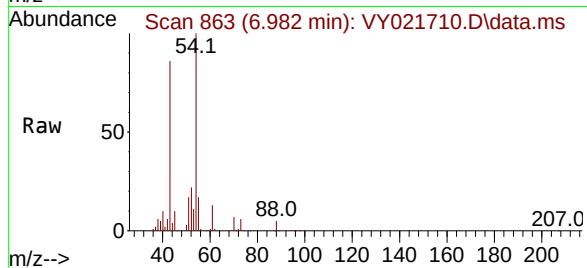
70 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#38

Carbon Tetrachloride

Concen: 53.686 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

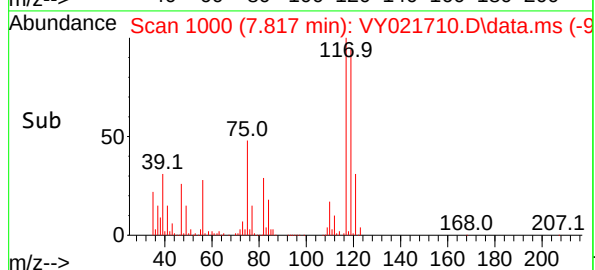
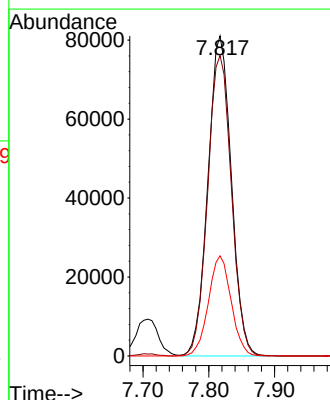
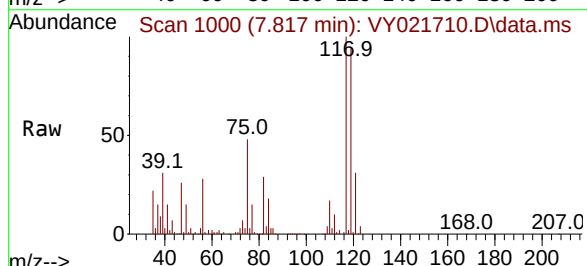
Tgt Ion:117 Resp: 200776

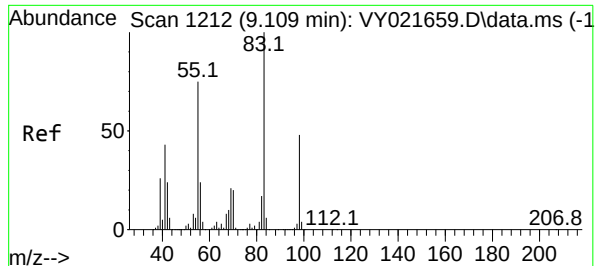
Ion Ratio Lower Upper

117 100

119 93.9 76.2 114.4

121 31.3 24.2 36.4





#39

Methylcyclohexane

Concen: 54.307 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 21183

Ion Ratio Lower Upper

83 100

55 75.3 59.7 89.5

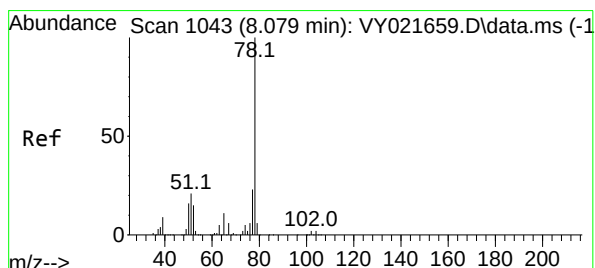
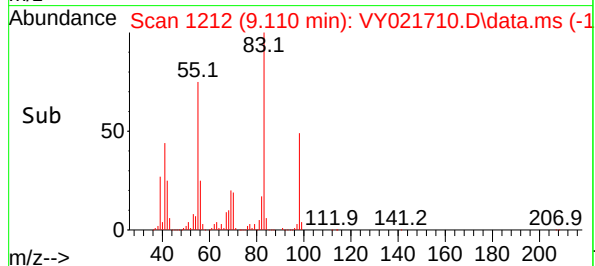
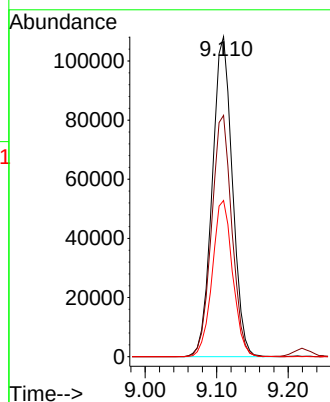
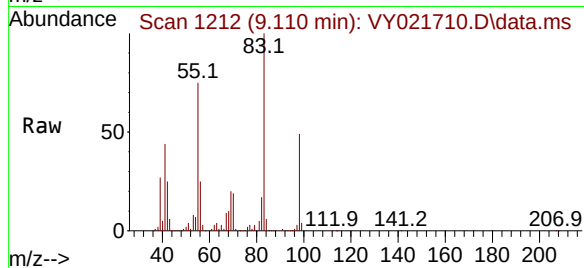
98 48.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#40

Benzene

Concen: 53.115 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021710.D

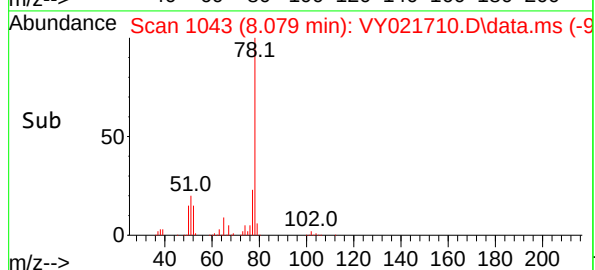
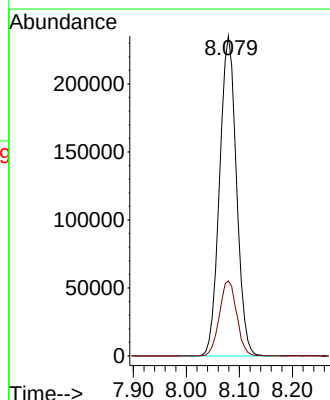
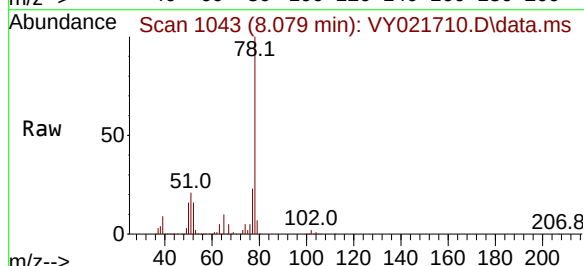
Acq: 31 Mar 2025 10:08

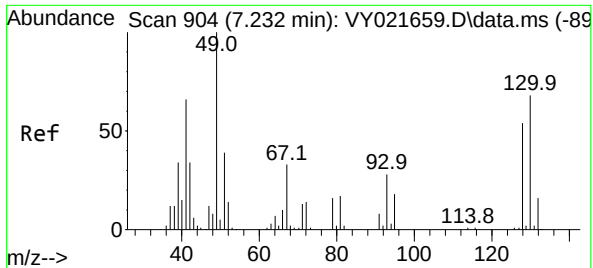
Tgt Ion: 78 Resp: 519385

Ion Ratio Lower Upper

78 100

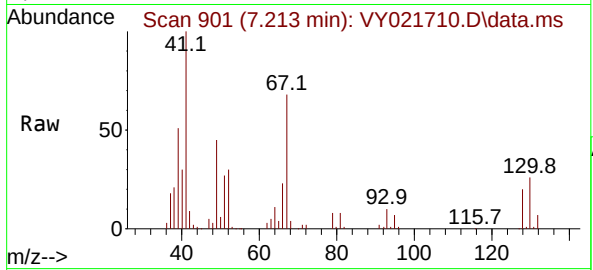
77 23.4 18.8 28.2





#41
Methacrylonitrile
Concen: 54.109 ug/l
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

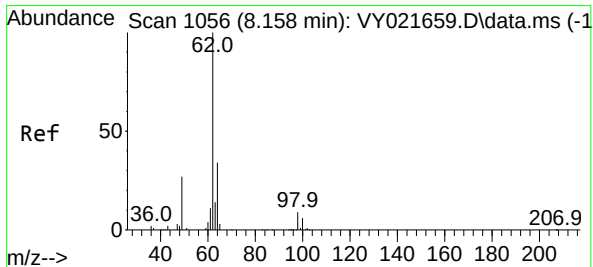
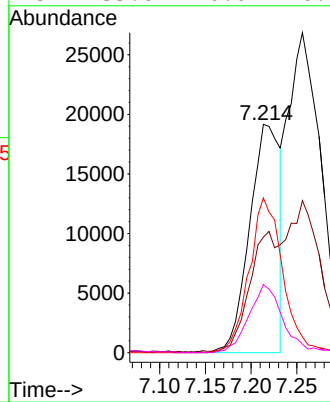
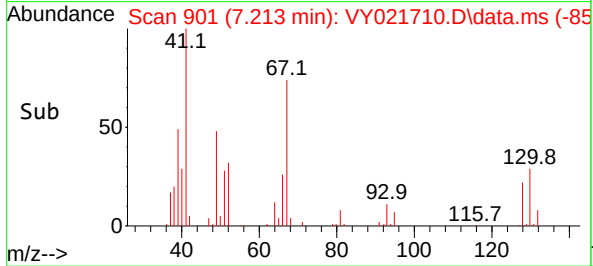
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 4428
Ion Ratio Lower Upper
41 100
39 45.5 0.0 0.0
67 75.4 0.0 0.0
52 33.6 0.0 0.0

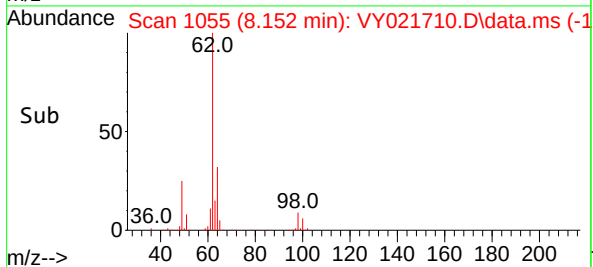
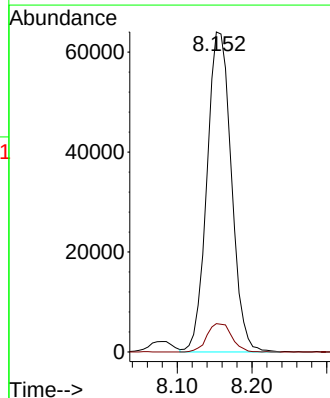
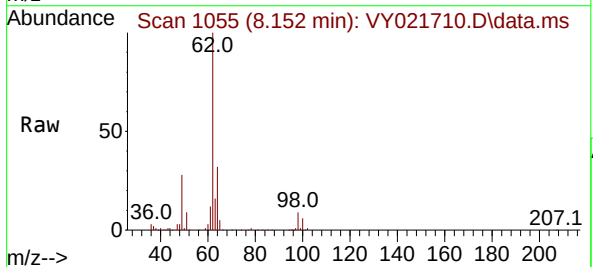
Manual Integrations
APPROVED

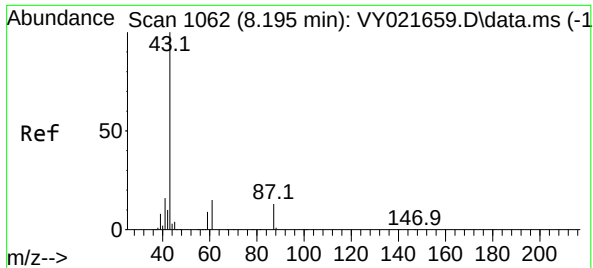
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#42
1,2-Dichloroethane
Concen: 52.829 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion: 62 Resp: 145634
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 51.432 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

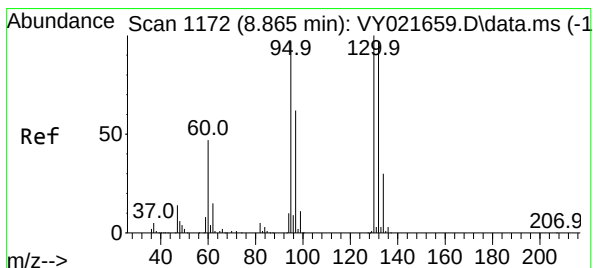
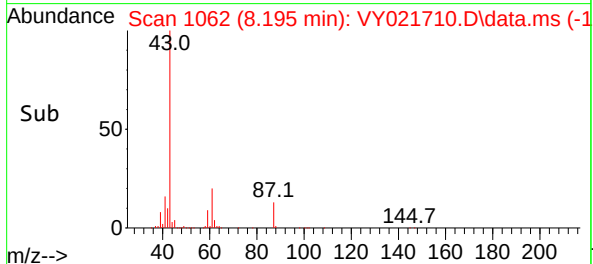
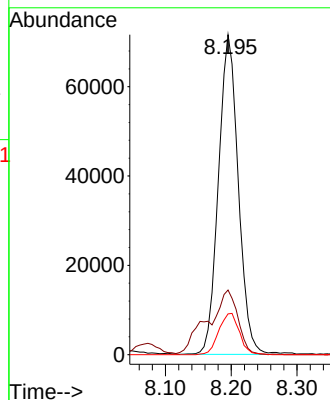
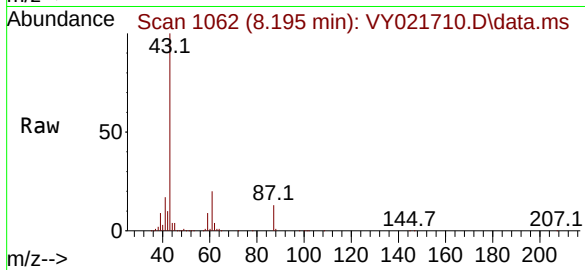
Tgt Ion: 43	Resp: 15019
Ion Ratio	Lower Upper
43 100	
61 30.6	15.9 23.9
87 13.4	10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#44

Trichloroethene

Concen: 52.160 ug/l

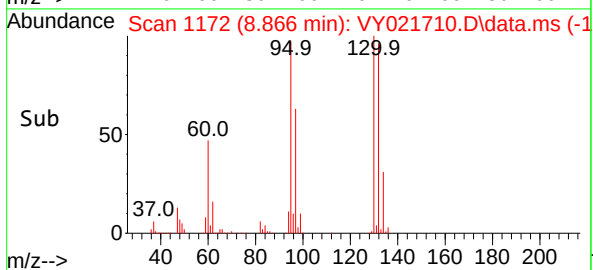
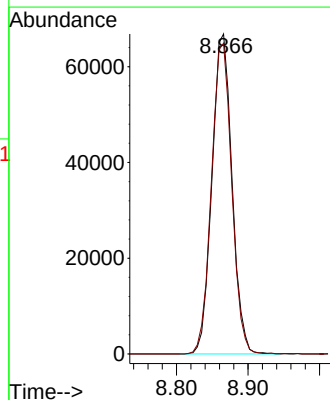
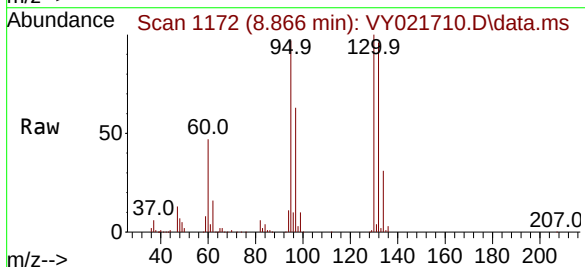
RT: 8.866 min Scan# 1172

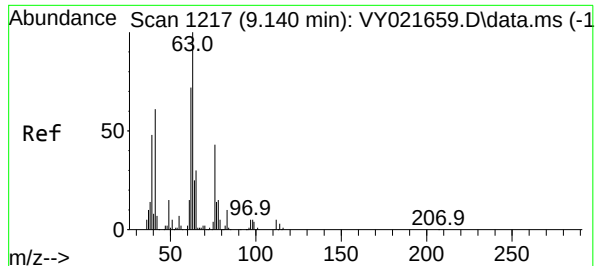
Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Tgt Ion:130	Resp: 129956
Ion Ratio	Lower Upper
130 100	
95 97.1	0.0 194.8





#45

1,2-Dichloropropane

Concen: 53.038 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 12276

Ion Ratio Lower Upper

63 100

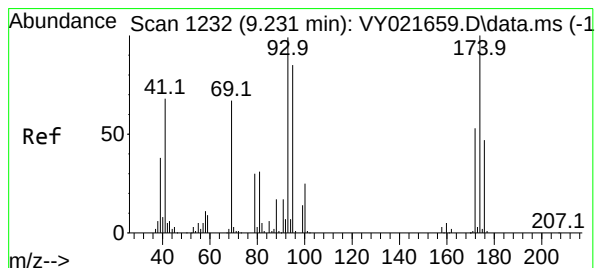
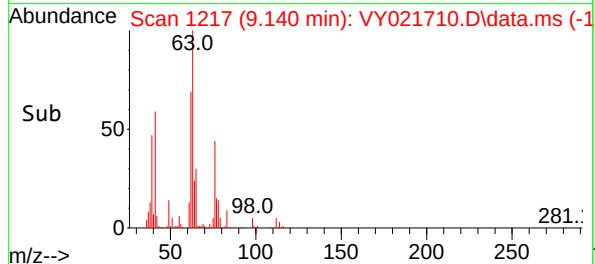
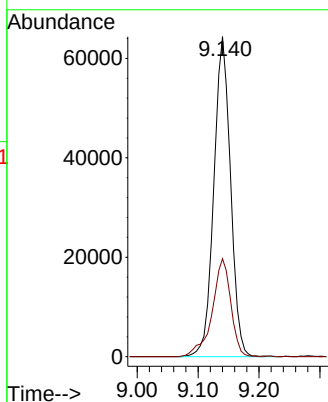
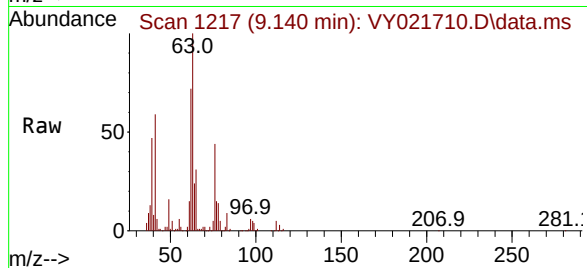
65 30.6 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#46

Dibromomethane

Concen: 53.637 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

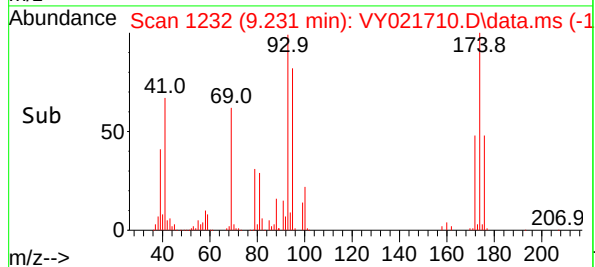
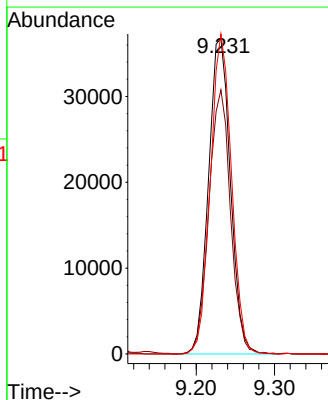
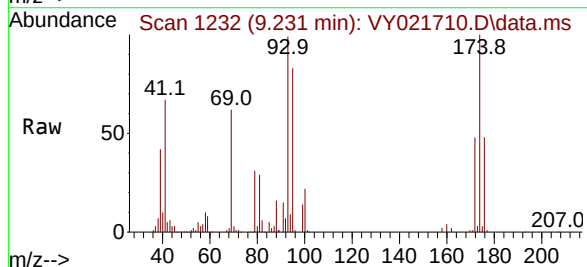
Tgt Ion: 93 Resp: 71550

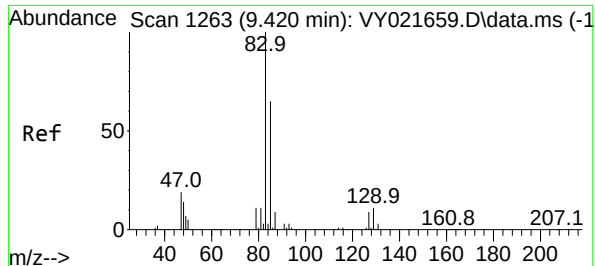
Ion Ratio Lower Upper

93 100

95 82.4 68.1 102.1

174 98.1 80.9 121.3





#47

Bromodichloromethane

Concen: 53.147 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 183708

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6

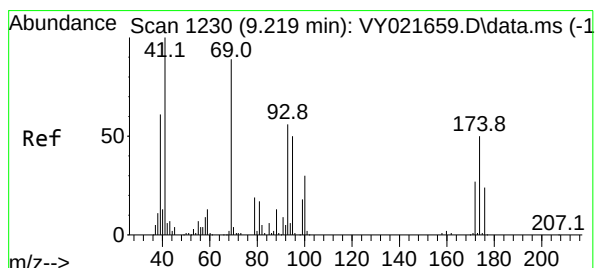
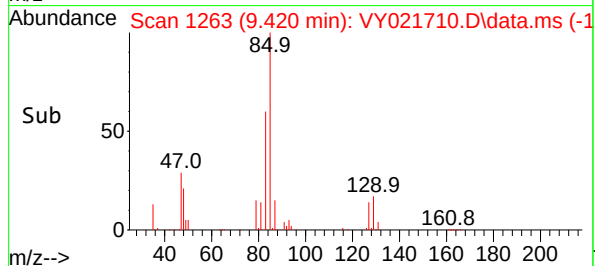
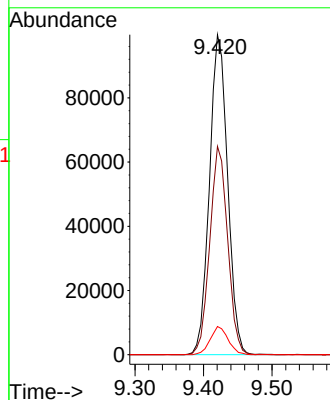
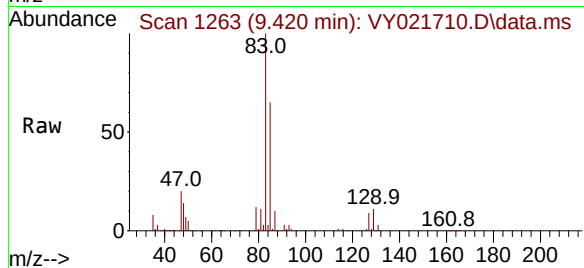
127 8.8 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#48

Methyl methacrylate

Concen: 55.389 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

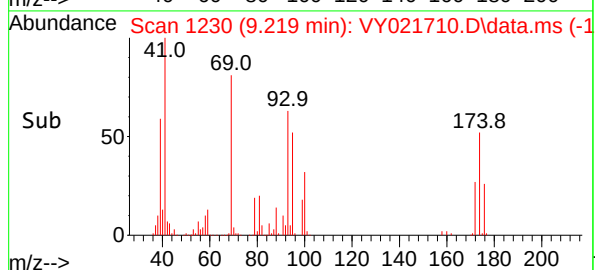
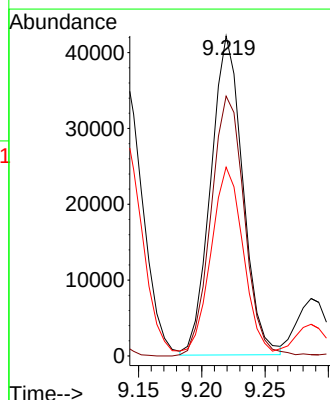
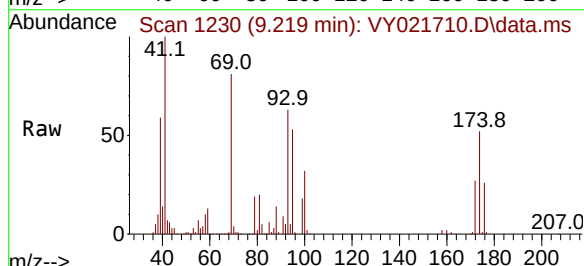
Tgt Ion: 41 Resp: 74238

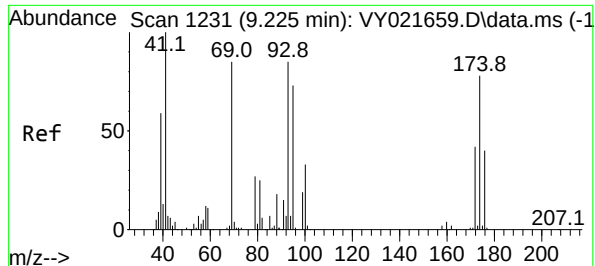
Ion Ratio Lower Upper

41 100

69 85.0 69.8 104.8

39 56.9 47.2 70.8





#49

1,4-Dioxane

Concen: 1087.866 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 15540

Ion Ratio Lower Upper

88 100

43 32.7 28.8 43.2

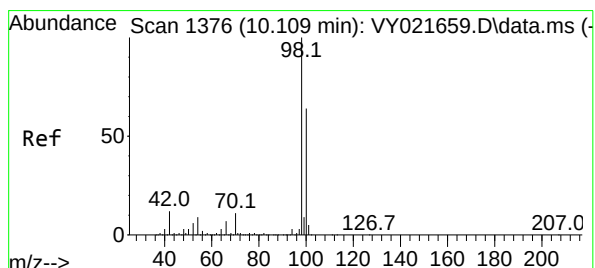
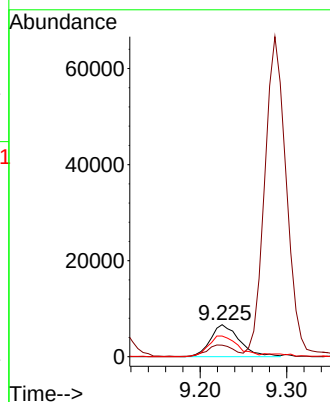
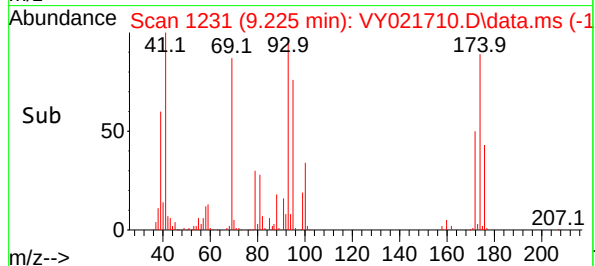
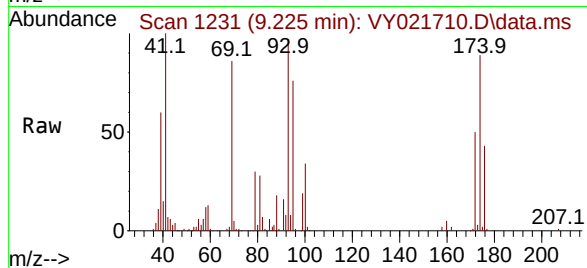
58 65.3 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#50

Toluene-d8

Concen: 57.457 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021710.D

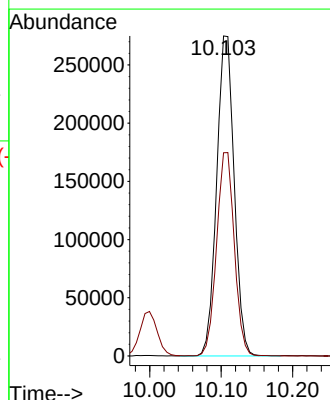
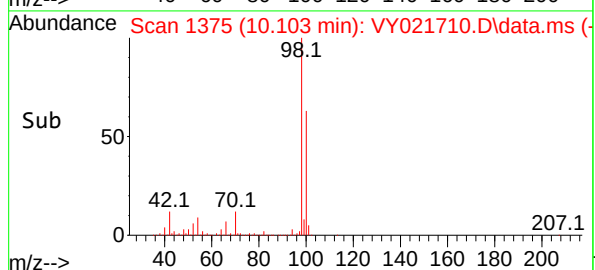
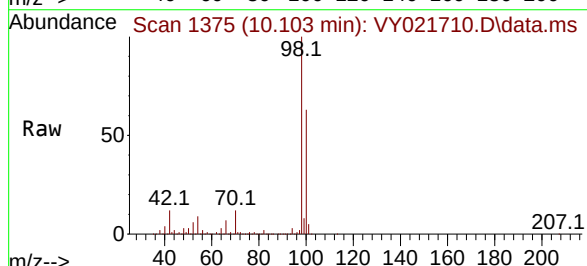
Acq: 31 Mar 2025 10:08

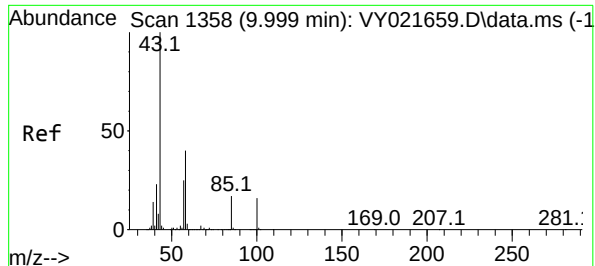
Tgt Ion: 98 Resp: 468580

Ion Ratio Lower Upper

98 100

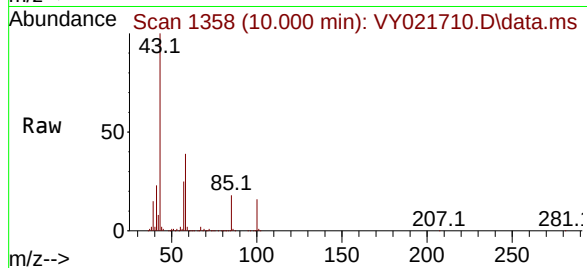
100 64.2 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 275.853 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

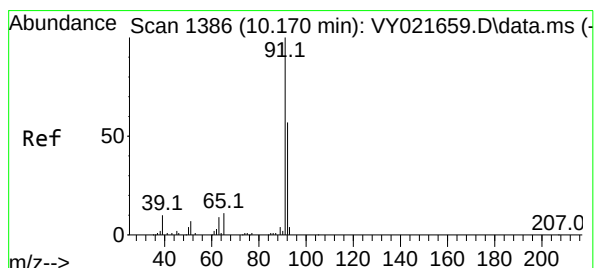
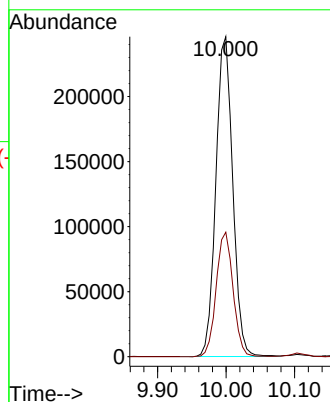
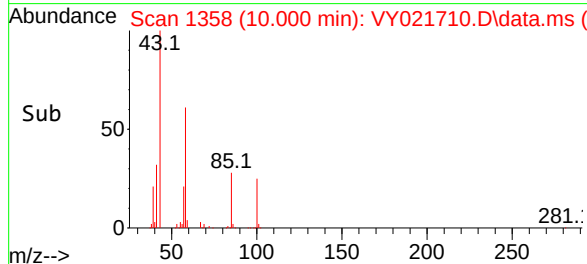
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 419220
Ion Ratio Lower Upper
43 100
58 39.0 31.5 47.3

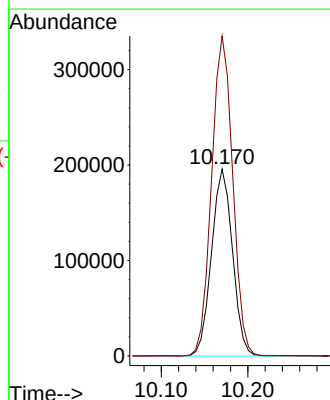
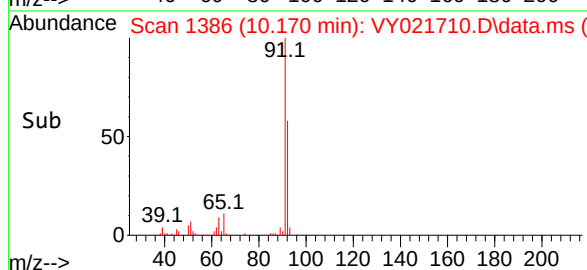
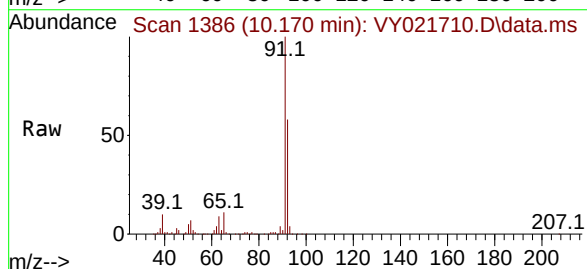
Manual Integrations
APPROVED

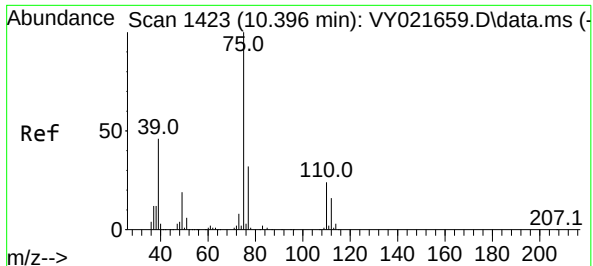
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#52
Toluene
Concen: 54.010 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

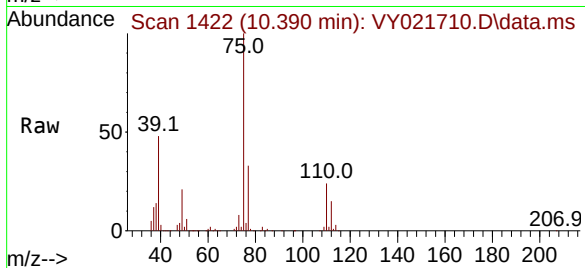
Tgt Ion: 92 Resp: 329514
Ion Ratio Lower Upper
92 100
91 172.5 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 54.122 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

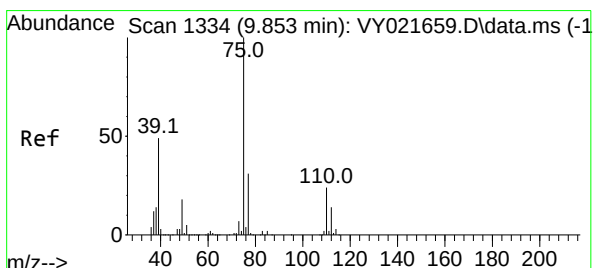
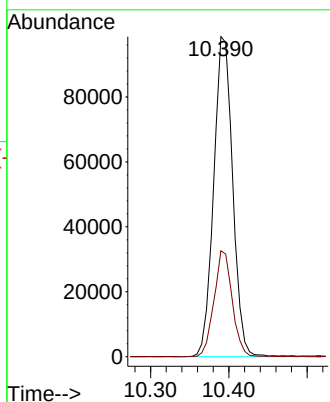
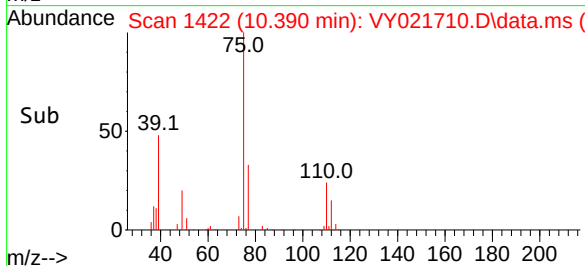
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 16616
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9

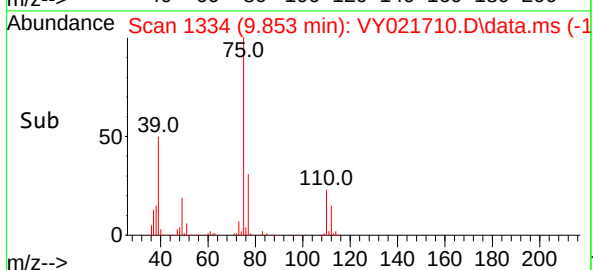
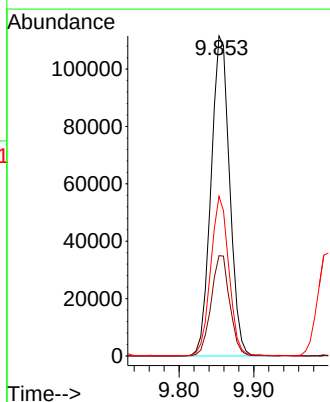
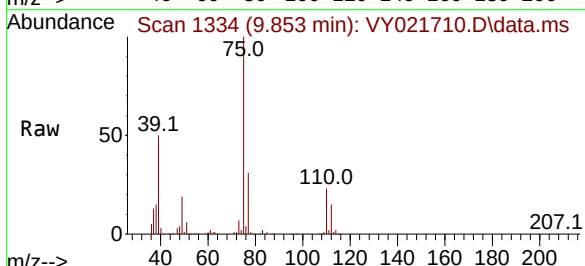
Manual Integrations
APPROVED

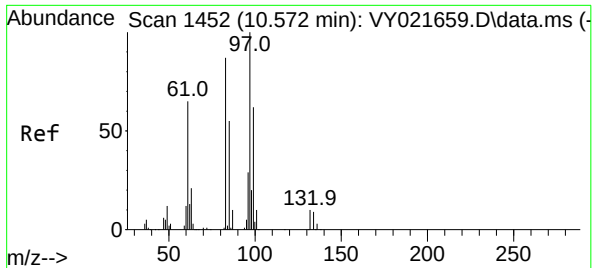
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#54
cis-1,3-Dichloropropene
Concen: 53.389 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

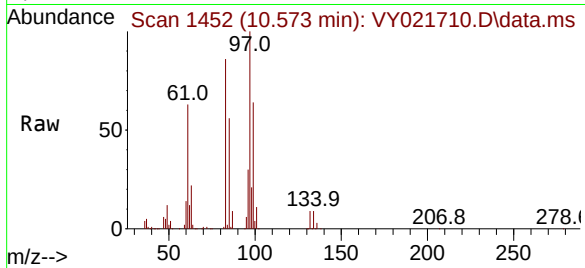
Tgt Ion: 75 Resp: 193376
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 49.8 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 53.104 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

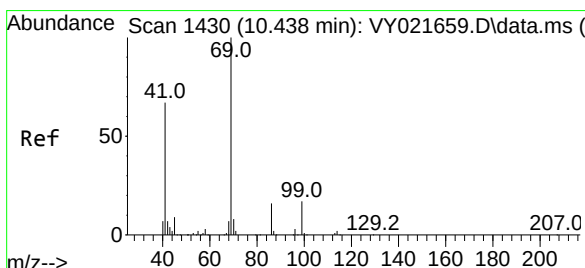
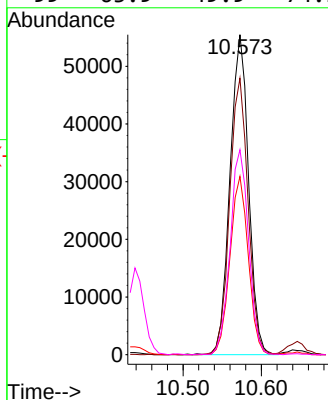
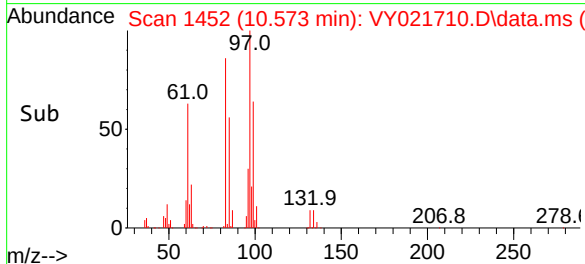
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



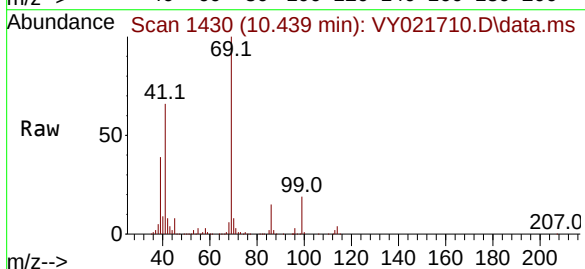
Tgt Ion: 97 Resp: 91162
Ion Ratio Lower Upper
97 100
83 86.4 69.5 104.3
85 55.7 43.9 65.9
99 63.9 49.9 74.9

Manual Integrations
APPROVED

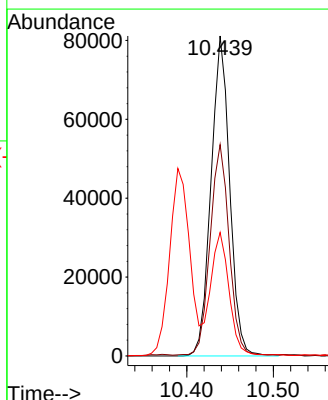
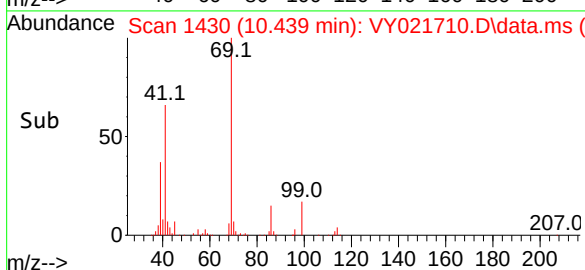
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

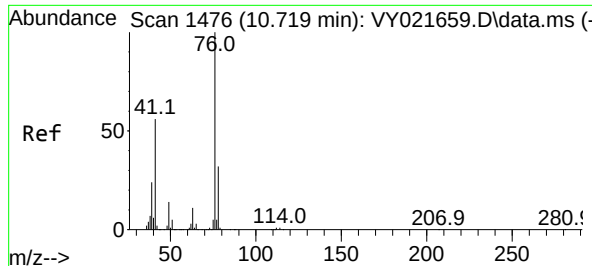


#56
Ethyl methacrylate
Concen: 55.489 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08



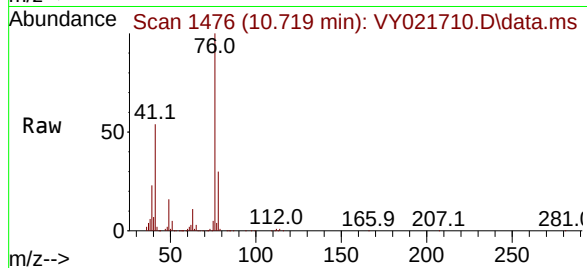
Tgt Ion: 69 Resp: 121632
Ion Ratio Lower Upper
69 100
41 66.7 53.8 80.6
39 38.8 29.6 44.4





#57
1,3-Dichloropropane
Concen: 54.411 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

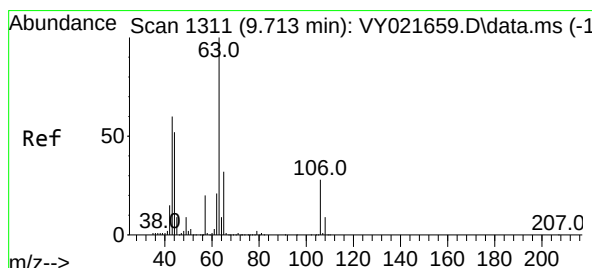
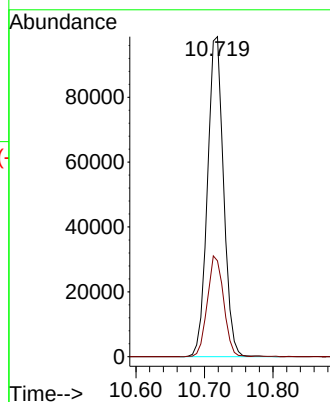
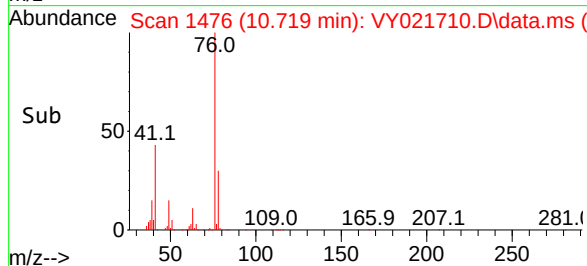
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 161318
Ion Ratio Lower Upper
76 100
78 31.9 25.8 38.8

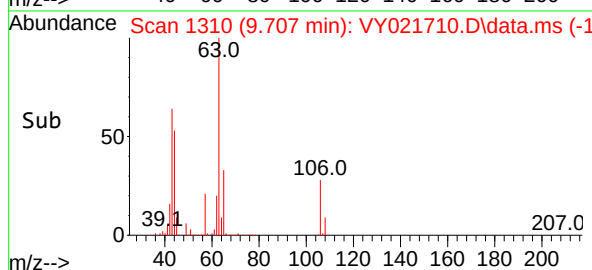
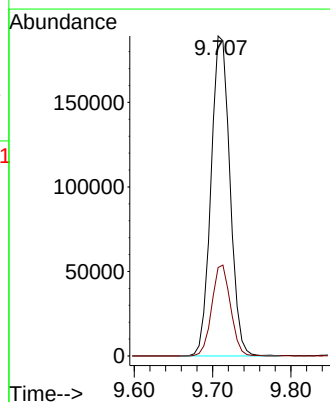
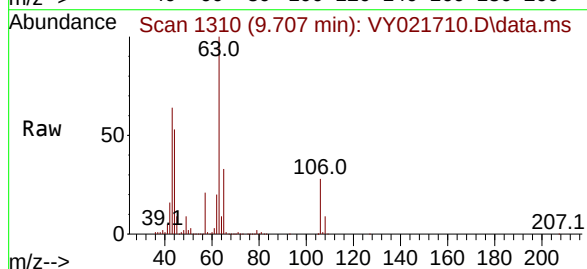
Manual Integrations
APPROVED

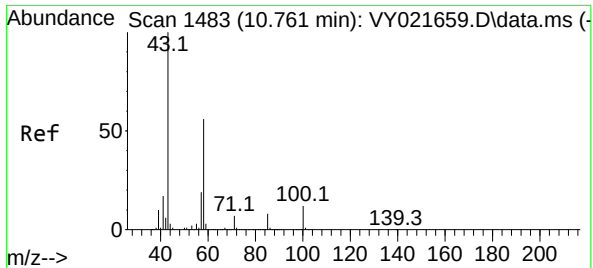
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#58
2-Chloroethyl Vinyl ether
Concen: 296.929 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

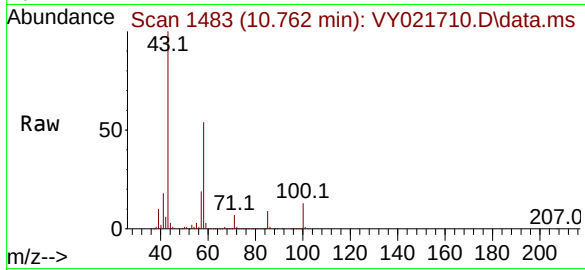
Tgt Ion: 63 Resp: 317515
Ion Ratio Lower Upper
63 100
106 28.0 22.4 33.6





#59
2-Hexanone
Concen: 279.290 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

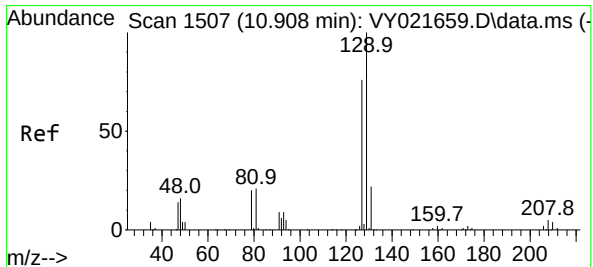
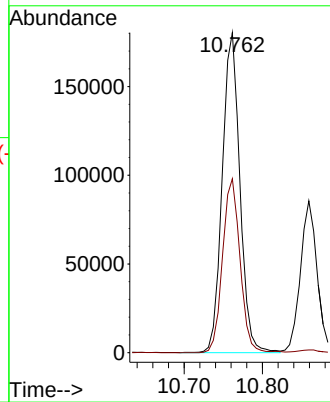
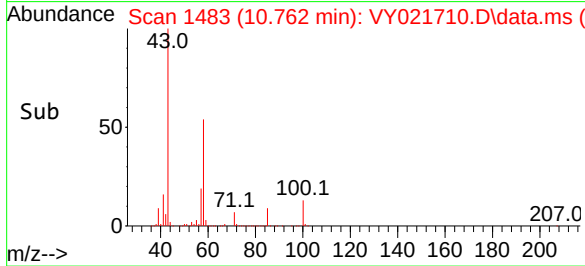
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 282672
Ion Ratio Lower Upper
43 100
58 53.9 27.2 81.5

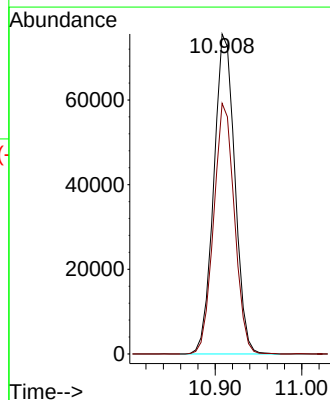
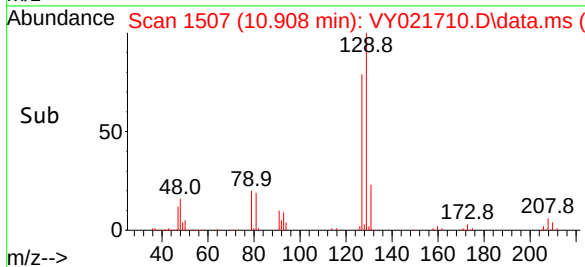
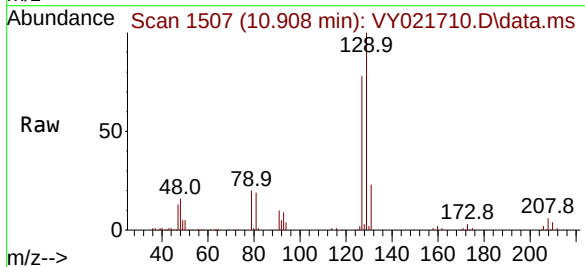
Manual Integrations
APPROVED

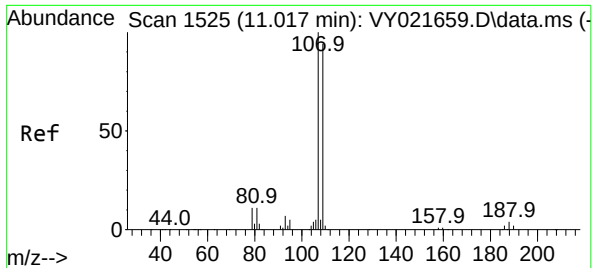
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#60
Dibromochloromethane
Concen: 54.396 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:129 Resp: 127495
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.7





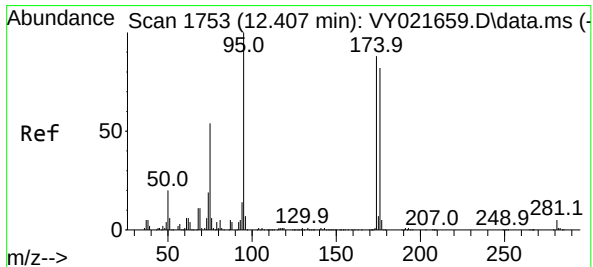
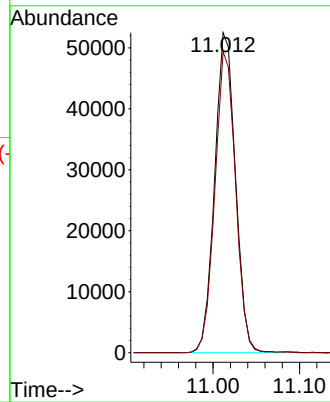
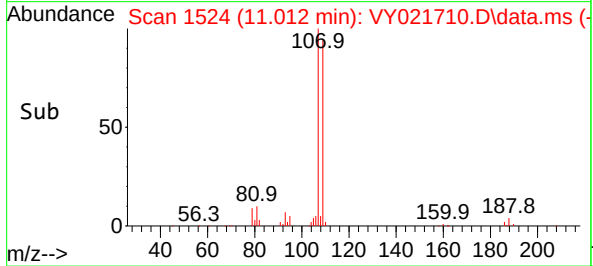
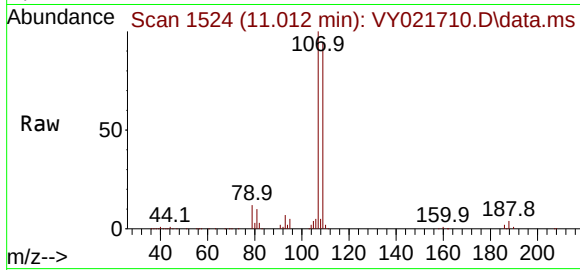
#61
1,2-Dibromoethane
Concen: 54.315 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 87468
Ion Ratio Lower Upper
107 100
109 93.7 74.4 111.6

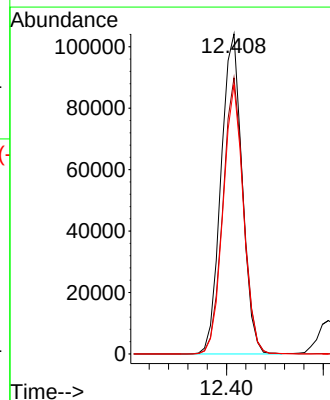
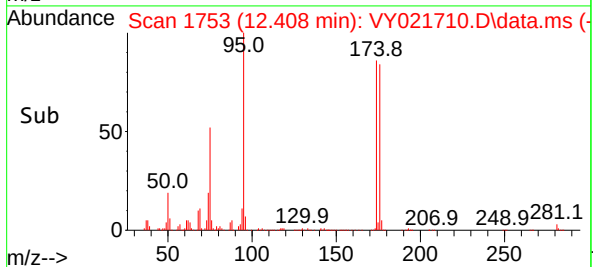
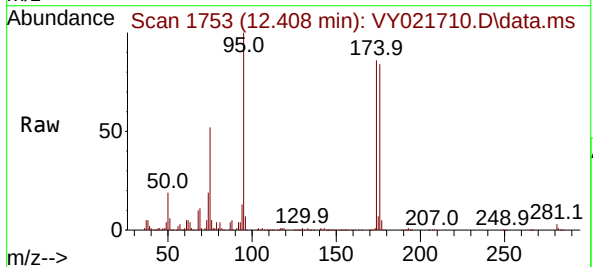
Manual Integrations
APPROVED

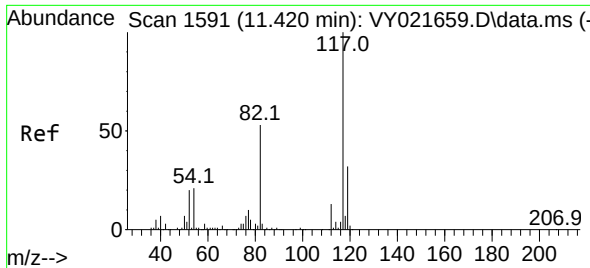
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#62
4-Bromofluorobenzene
Concen: 57.178 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

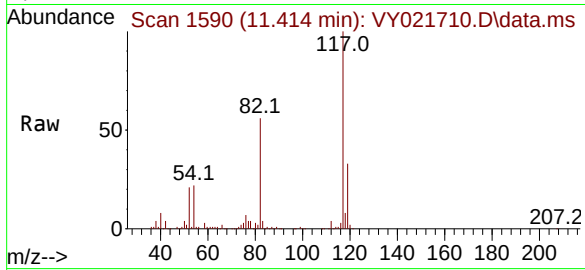
Tgt Ion: 95 Resp: 157726
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.8
176 81.0 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

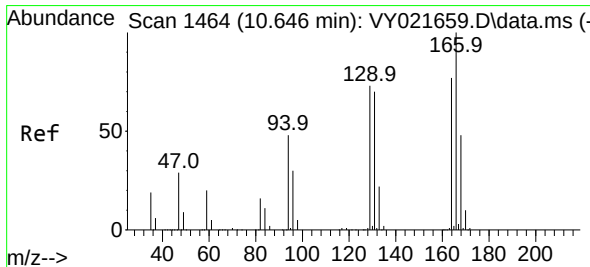
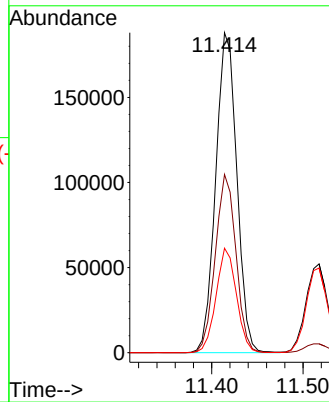
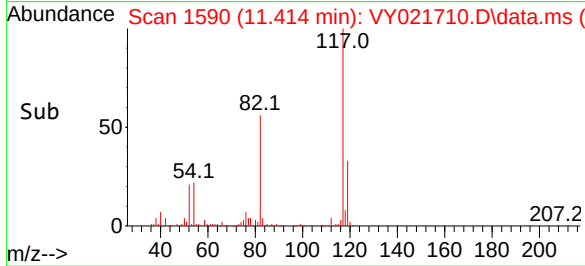
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 302464
Ion Ratio Lower Upper
117 100
82 55.7 42.8 64.2
119 32.6 25.7 38.5

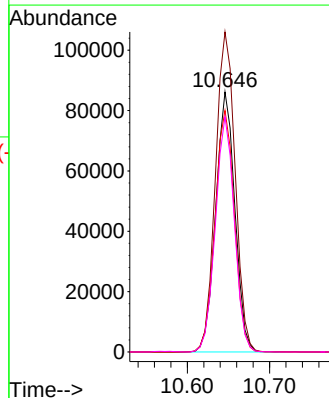
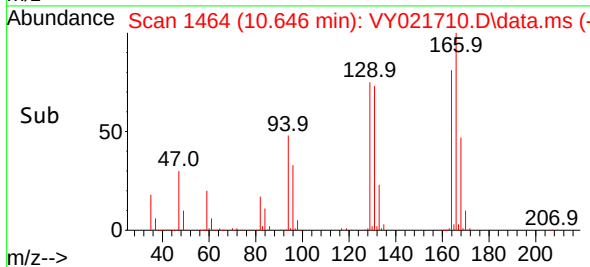
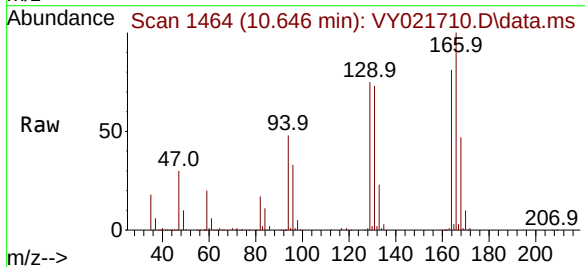
Manual Integrations
APPROVED

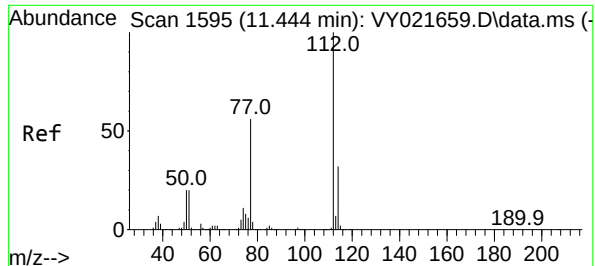
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#64
Tetrachloroethene
Concen: 50.794 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:164 Resp: 139924
Ion Ratio Lower Upper
164 100
166 123.1 104.6 156.8
129 92.9 76.6 114.8
131 90.4 73.4 110.0





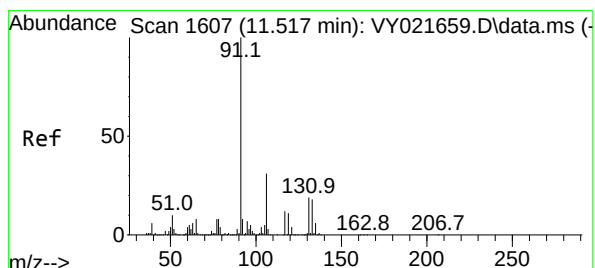
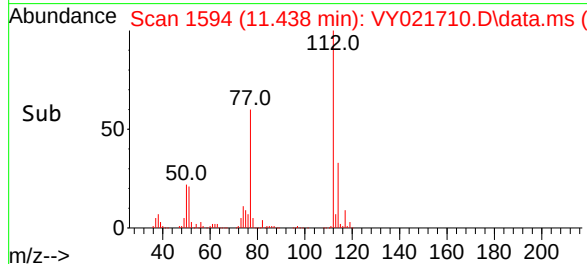
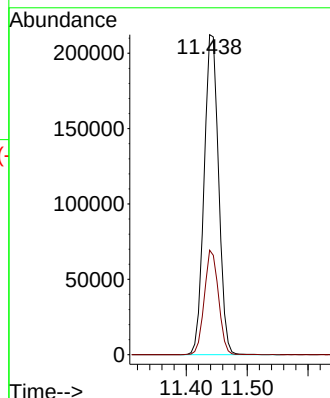
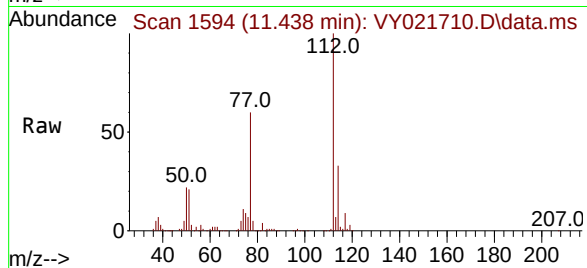
#65
Chlorobenzene
Concen: 50.739 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 351790
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

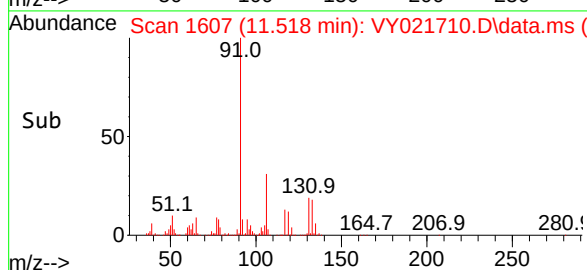
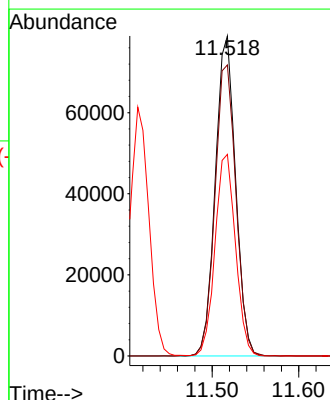
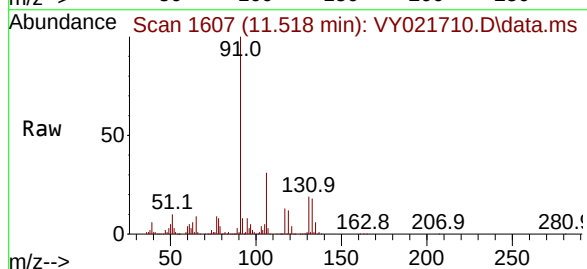
Manual Integrations
APPROVED

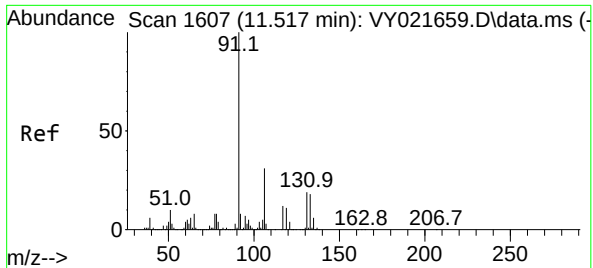
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.170 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:131 Resp: 128337
Ion Ratio Lower Upper
131 100
133 94.2 47.3 141.8
119 63.6 31.6 95.0





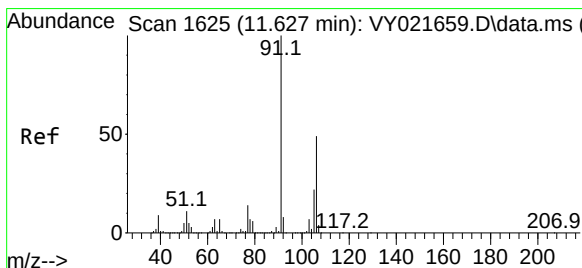
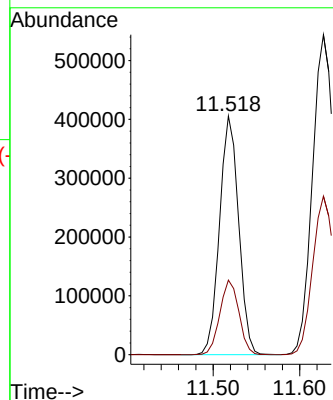
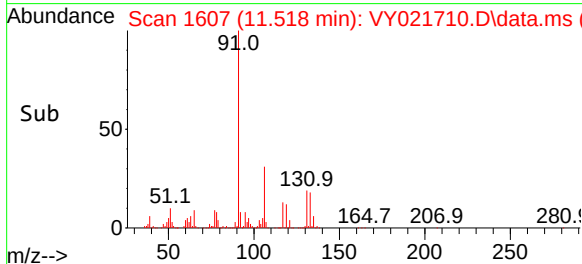
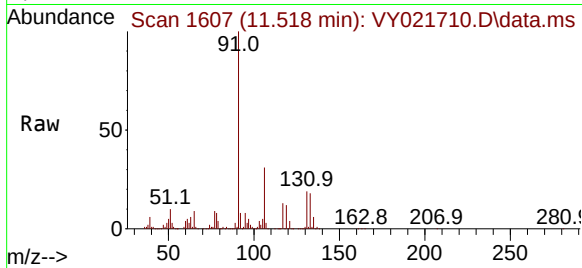
#67
Ethyl Benzene
Concen: 52.327 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 622139
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

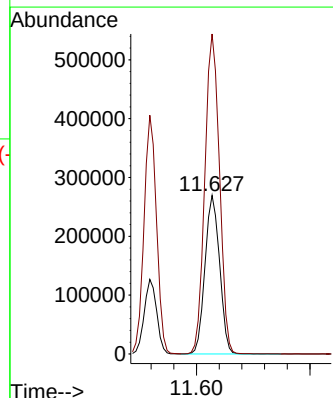
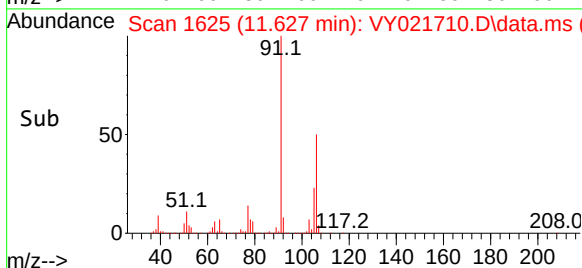
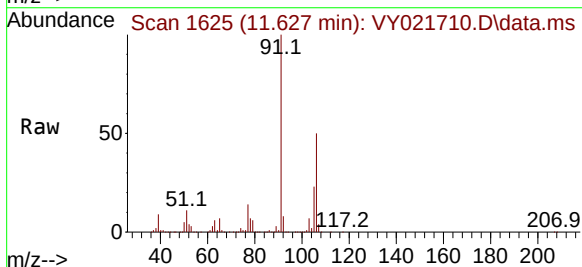
Manual Integrations
APPROVED

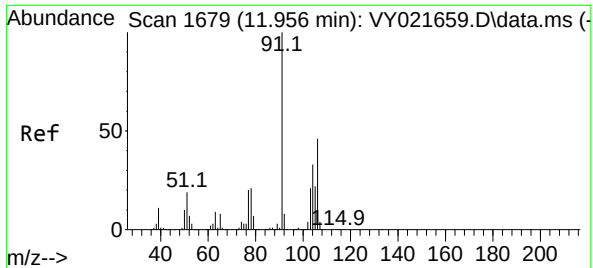
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#68
m/p-Xylenes
Concen: 105.817 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:106 Resp: 481760
Ion Ratio Lower Upper
106 100
91 202.8 162.4 243.6





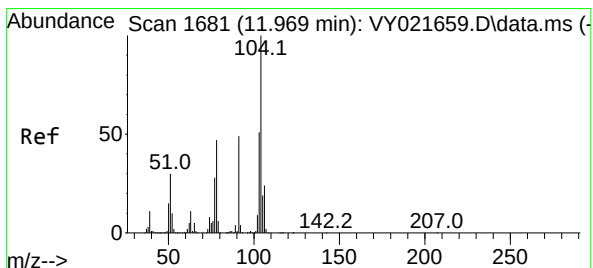
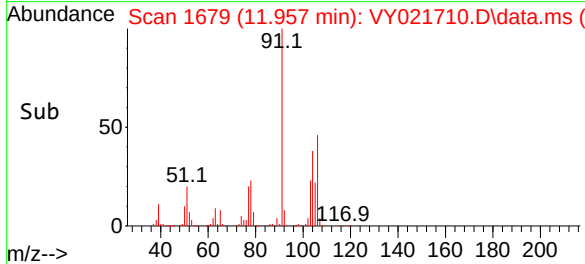
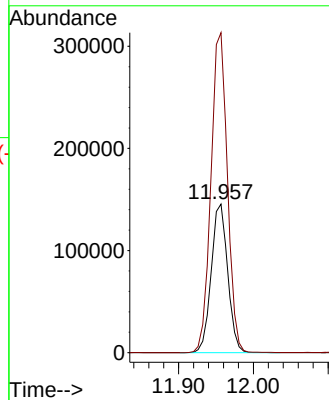
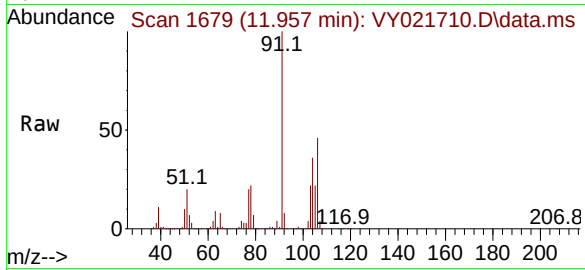
#69
o-Xylene
Concen: 53.076 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 22305
Ion Ratio Lower Upper
106 100
91 215.6 106.7 319.9

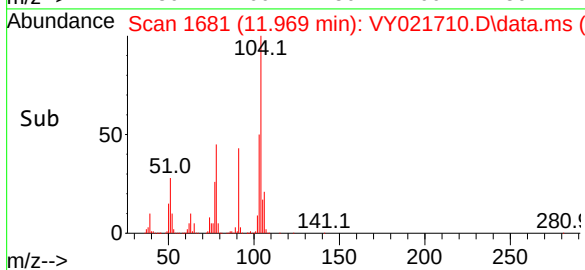
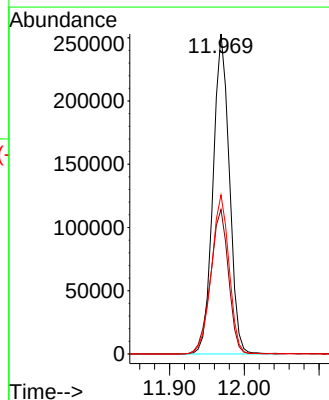
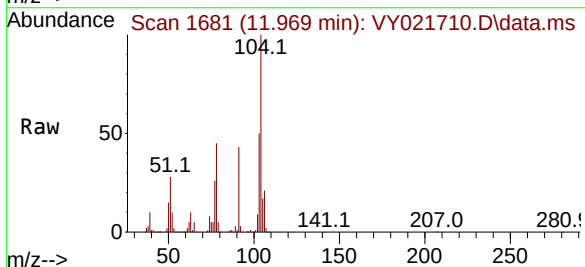
Manual Integrations
APPROVED

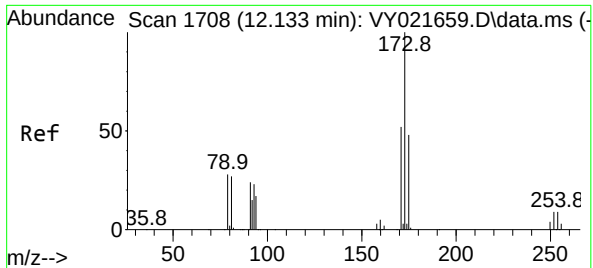
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#70
Styrene
Concen: 54.868 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

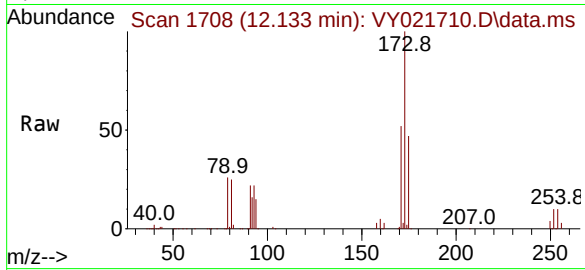
Tgt Ion:104 Resp: 384466
Ion Ratio Lower Upper
104 100
78 49.8 40.8 61.2
103 53.5 44.2 66.2





#71
Bromoform
Concen: 53.316 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

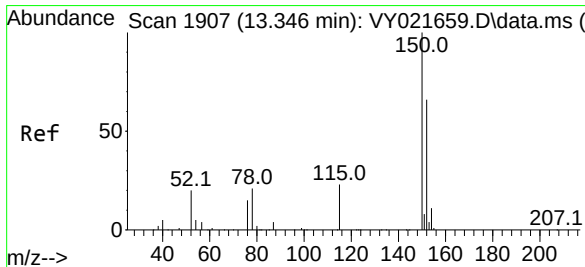
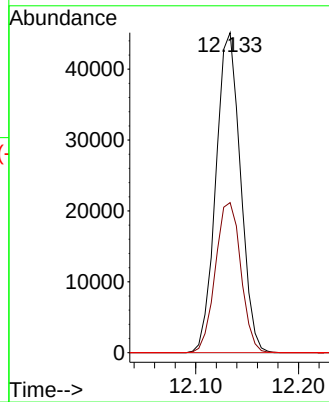
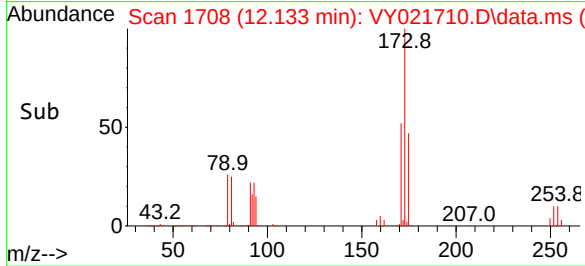
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



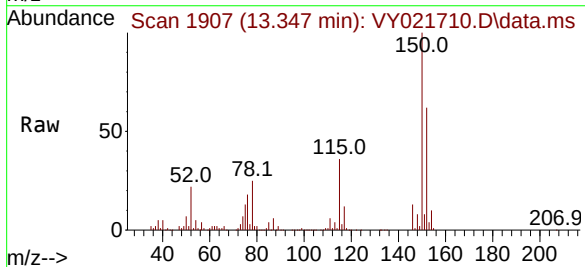
Tgt Ion:173 Resp: 74815
Ion Ratio Lower Upper
173 100
175 48.8 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

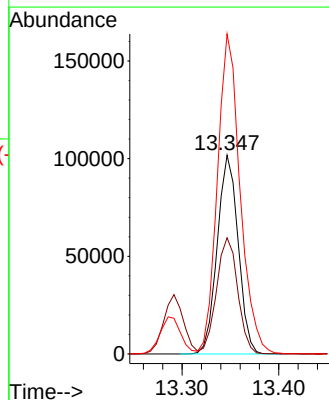
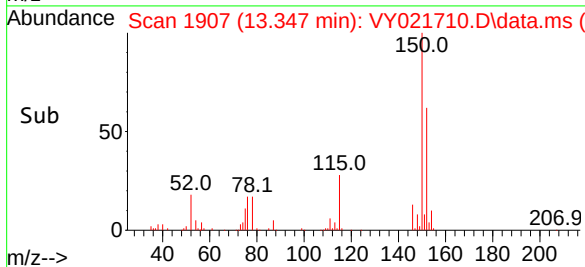
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

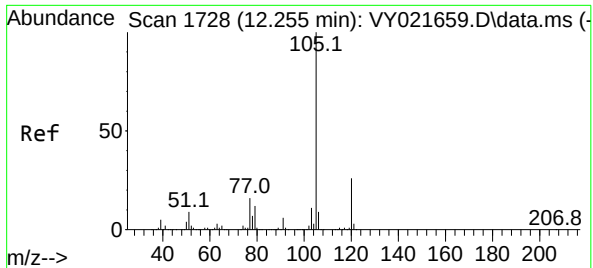


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08



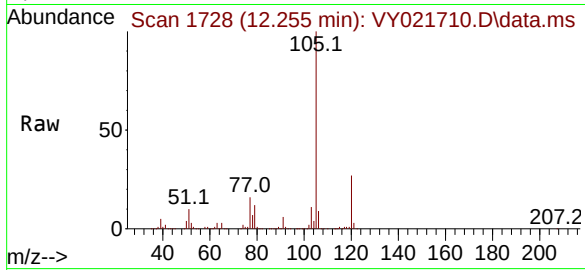
Tgt Ion:152 Resp: 152394
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.5
150 175.1 0.0 348.4





#73
Isopropylbenzene
Concen: 51.977 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

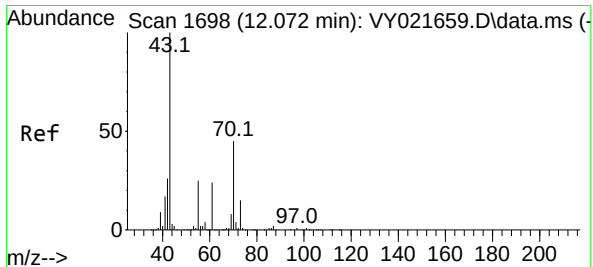
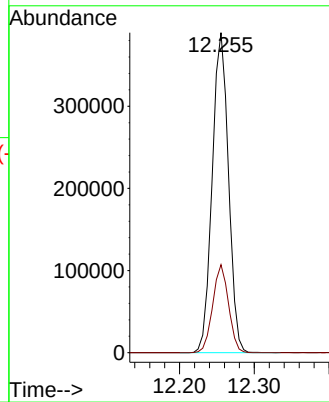
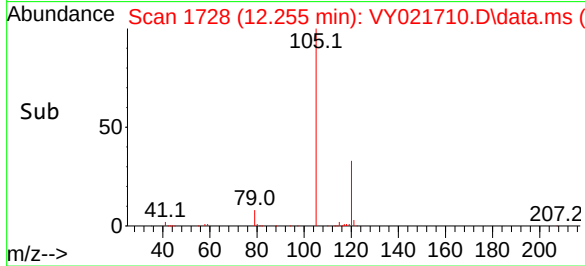
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



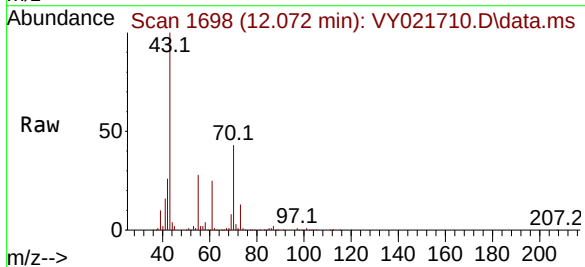
Tgt Ion: 105 Resp: 588329
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5

Manual Integrations
APPROVED

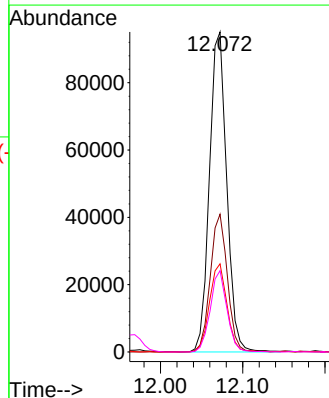
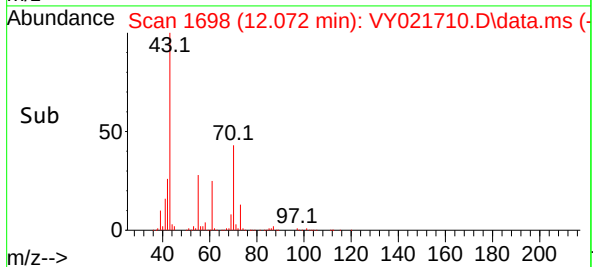
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

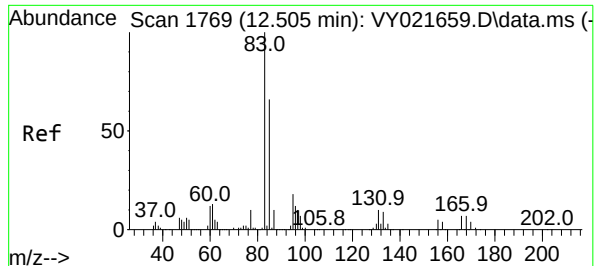


#74
N-ethyl acetate
Concen: 52.148 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08



Tgt Ion: 43 Resp: 138528
Ion Ratio Lower Upper
43 100
70 42.8 34.7 52.1
55 28.0 21.2 31.8
61 24.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.420 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 10260

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

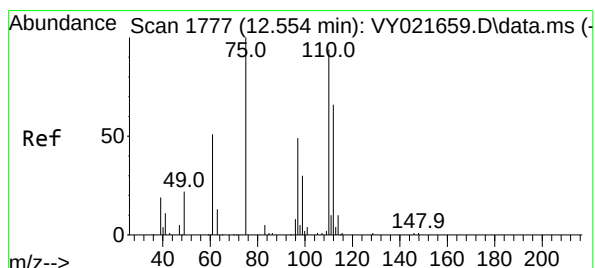
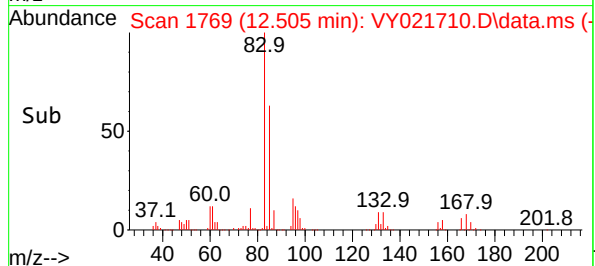
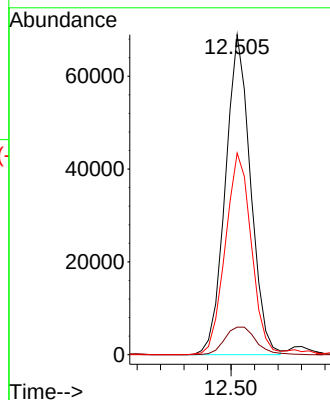
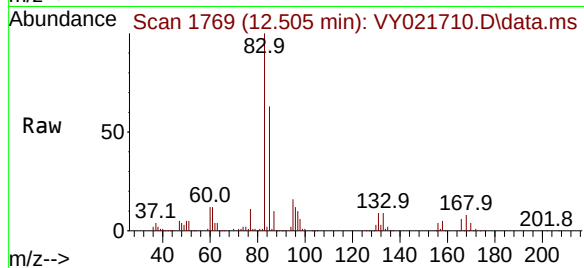
85 65.2 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#76

1,2,3-Trichloropropane

Concen: 51.730 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY021710.D

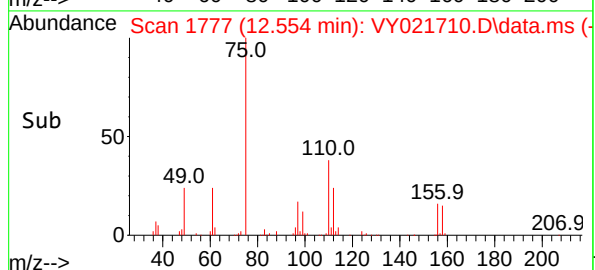
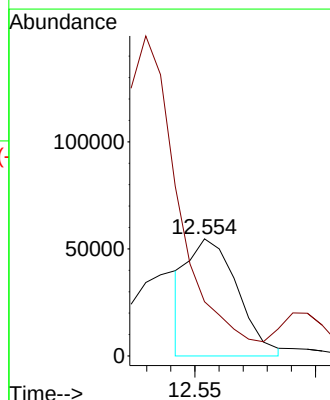
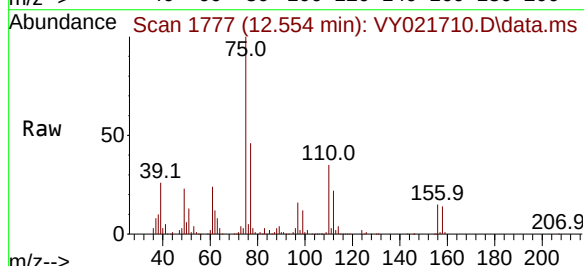
Acq: 31 Mar 2025 10:08

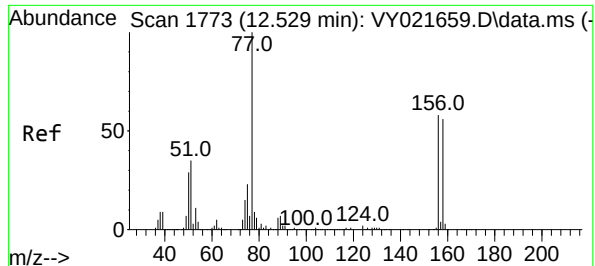
Tgt Ion: 75 Resp: 78144

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





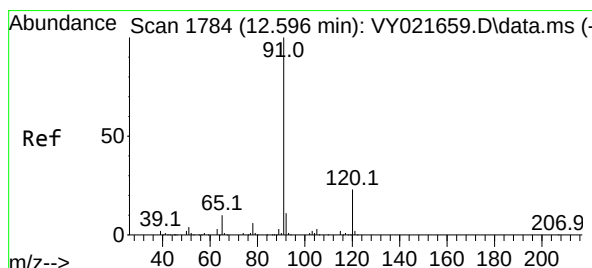
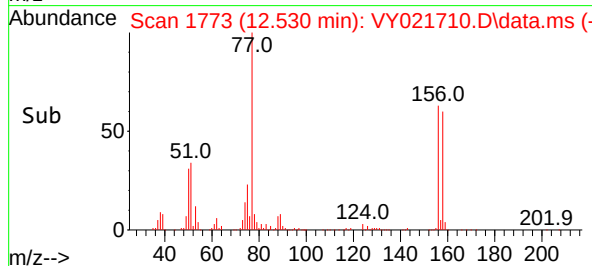
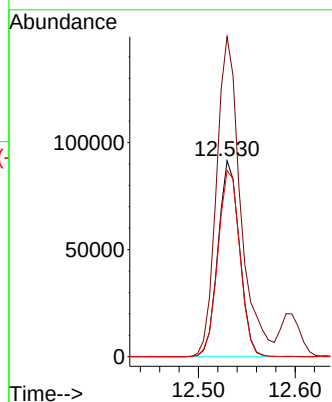
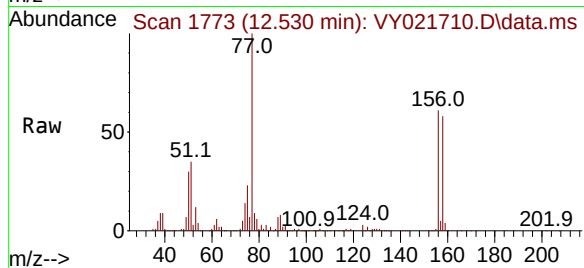
#77
Bromobenzene
Concen: 51.852 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 140917
Ion Ratio Lower Upper
156 100
77 183.6 92.8 278.3
158 97.2 48.5 145.6

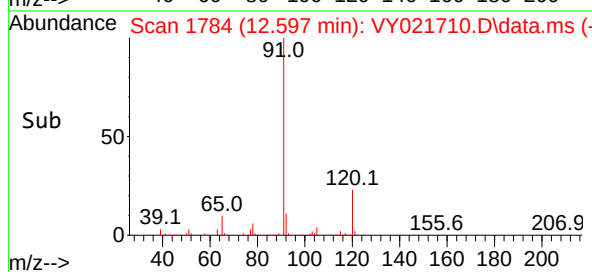
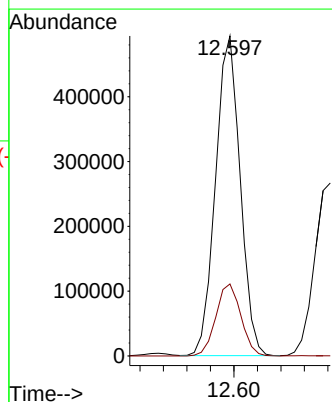
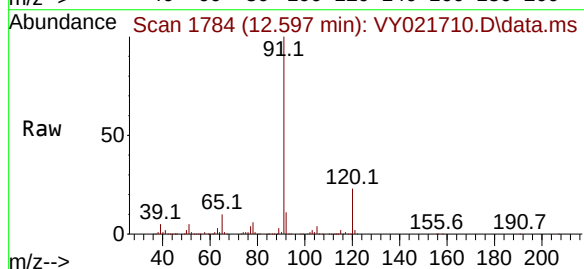
Manual Integrations
APPROVED

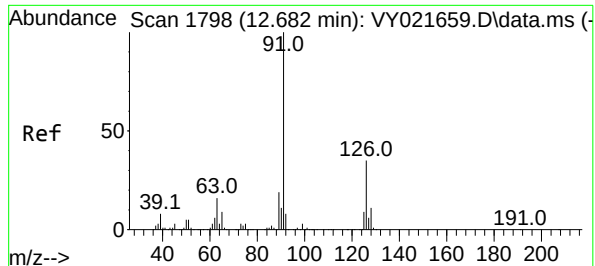
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#78
n-propylbenzene
Concen: 52.754 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion: 91 Resp: 717878
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 51.587 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 40773

Ion Ratio Lower Upper

91 100

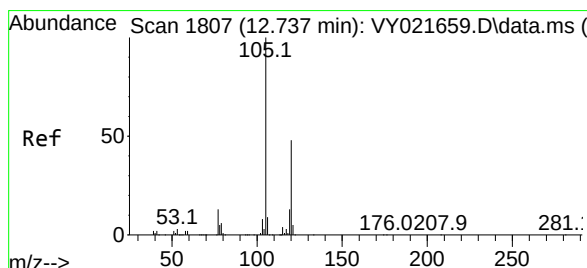
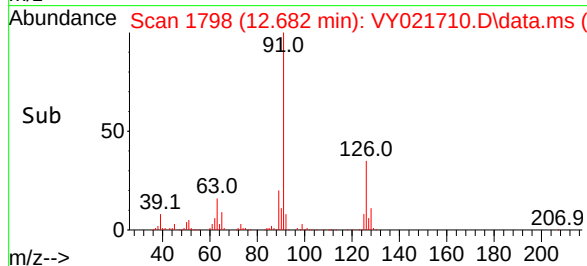
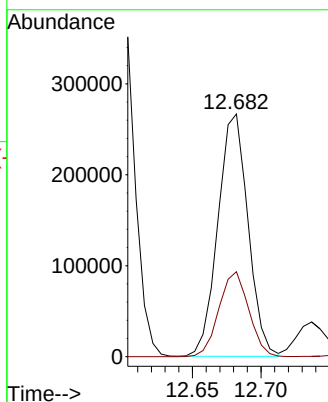
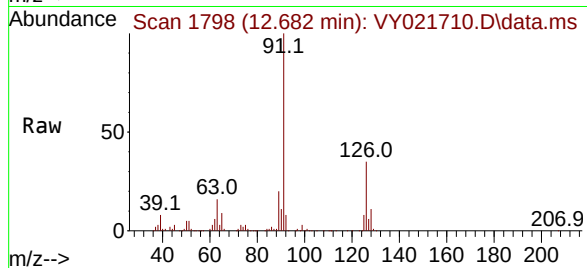
126 34.7 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.059 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021710.D

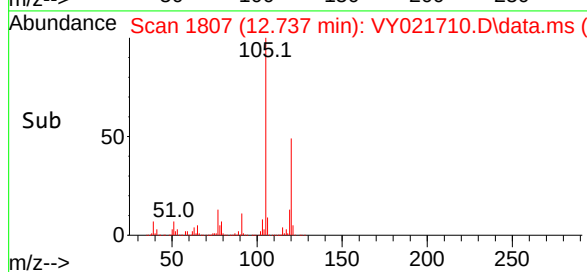
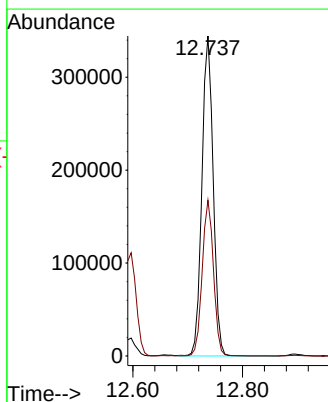
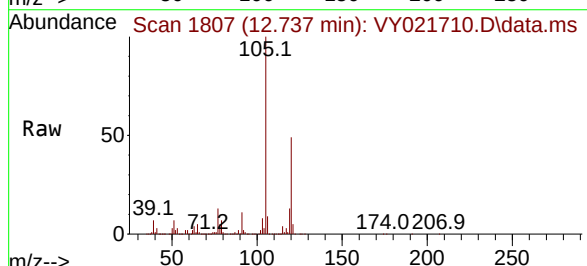
Acq: 31 Mar 2025 10:08

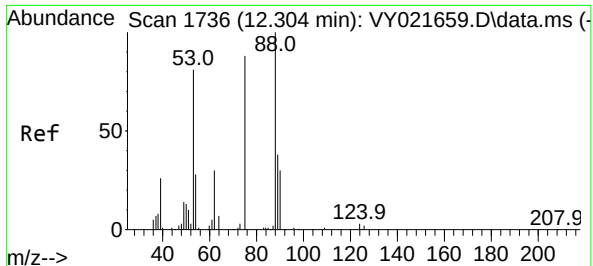
Tgt Ion:105 Resp: 490840

Ion Ratio Lower Upper

105 100

120 48.7 24.5 73.5





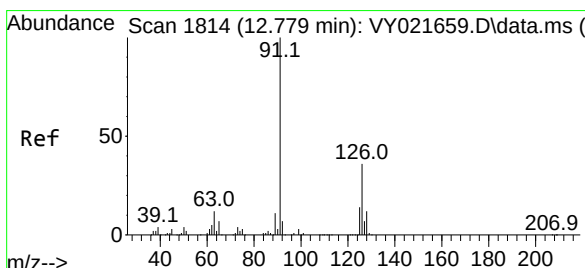
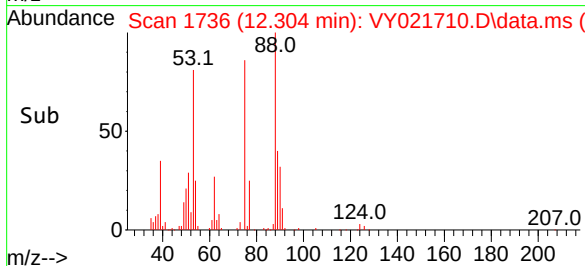
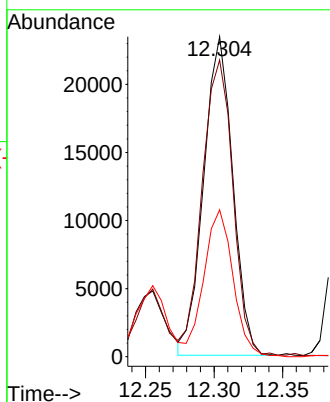
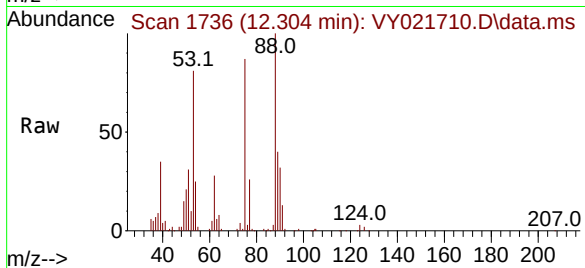
#81
trans-1,4-Dichloro-2-butene
Concen: 52.787 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 3460
Ion Ratio Lower Upper
75 100
53 97.7 76.1 114.1
89 45.7 36.2 54.4

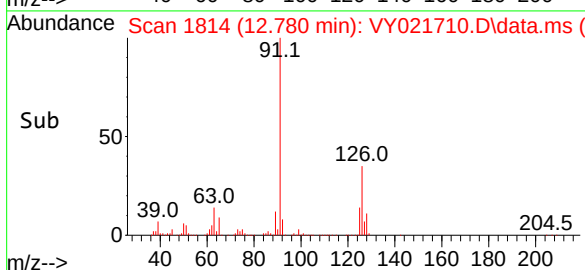
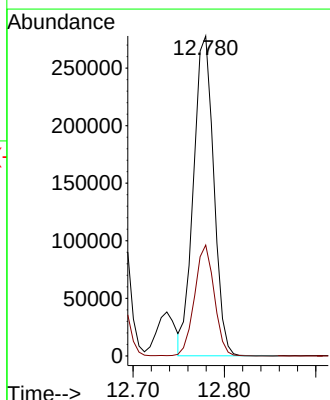
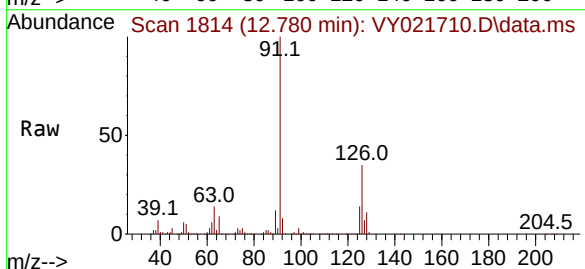
Manual Integrations
APPROVED

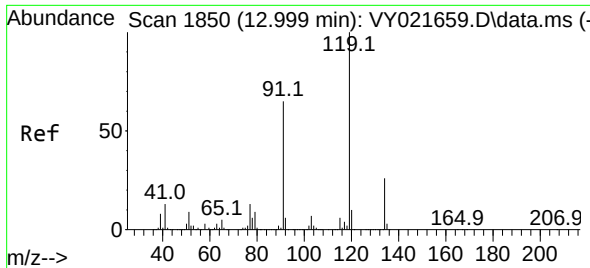
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#82
4-Chlorotoluene
Concen: 51.727 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

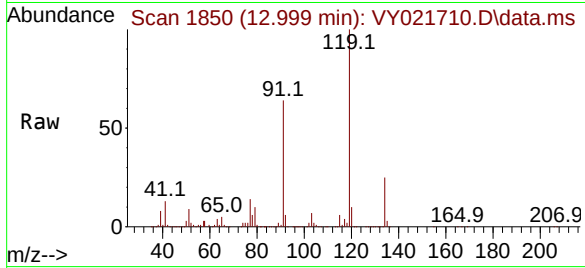
Tgt Ion: 91 Resp: 426228
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83
tert-Butylbenzene
Concen: 52.594 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

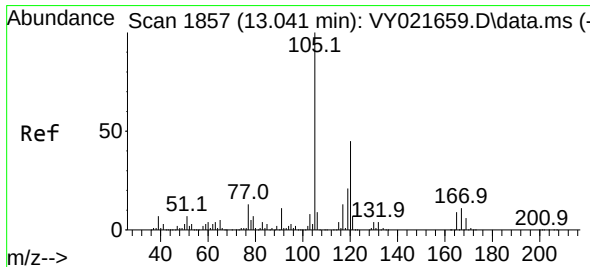
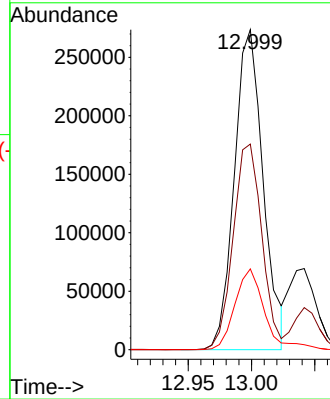
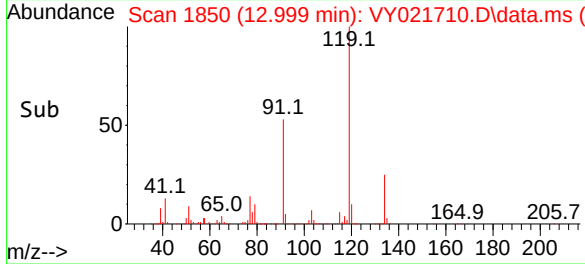
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 43335
Ion Ratio Lower Upper
119 100
91 64.1 32.6 97.7
134 26.0 13.2 39.6

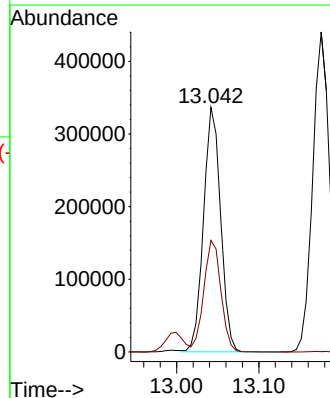
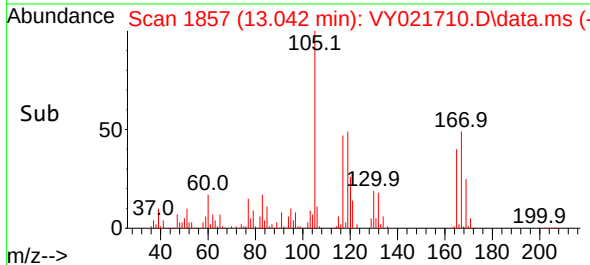
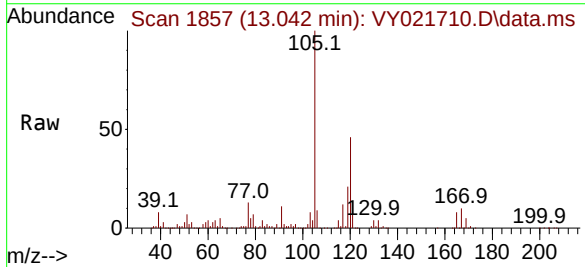
Manual Integrations
APPROVED

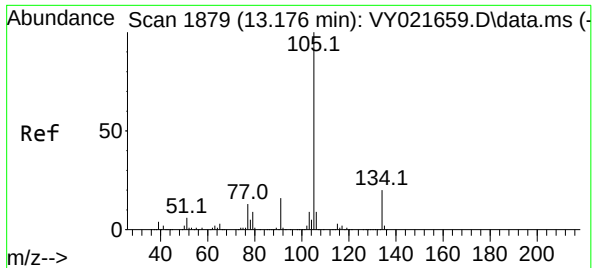
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#84
1,2,4-Trimethylbenzene
Concen: 53.191 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Tgt Ion:105 Resp: 486329
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.1





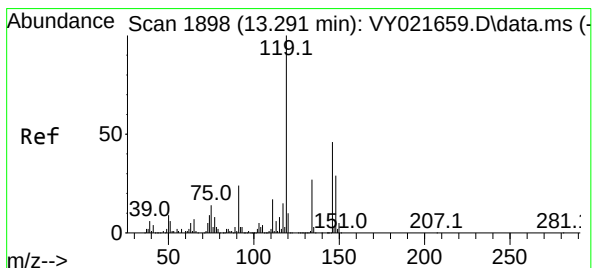
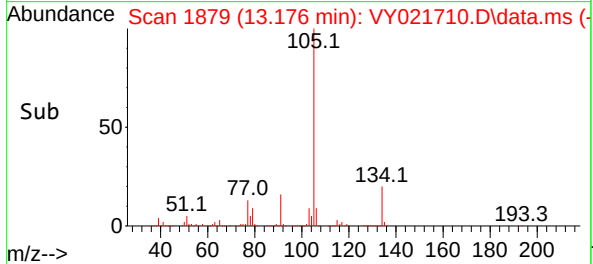
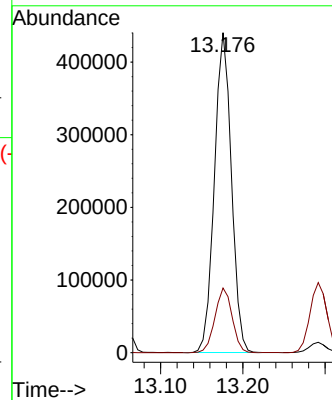
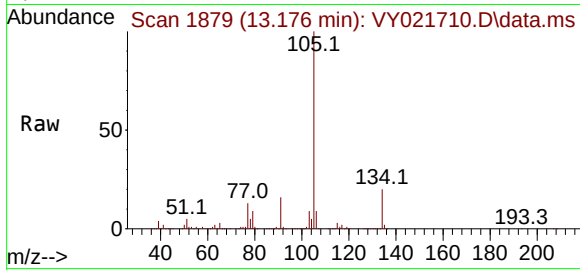
#85
 sec-Butylbenzene
 Concen: 52.444 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021710.D
 Acq: 31 Mar 2025 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 631509
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.1

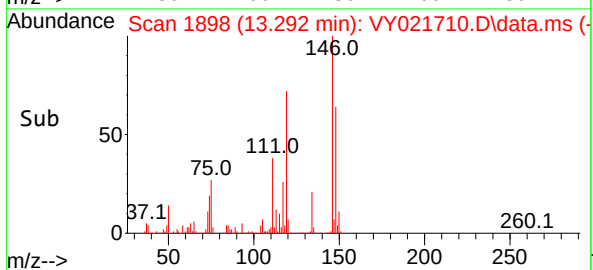
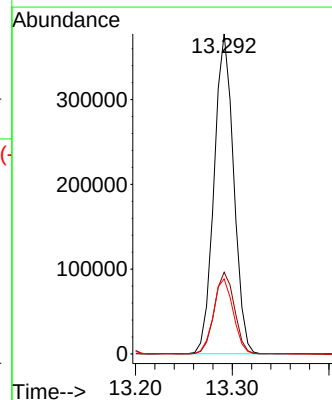
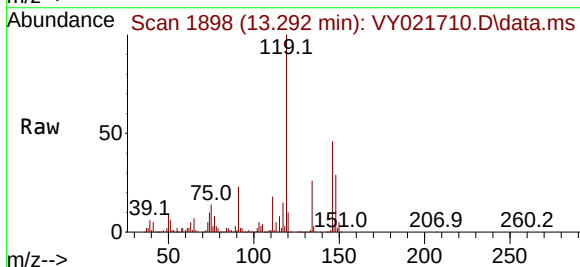
Manual Integrations
 APPROVED

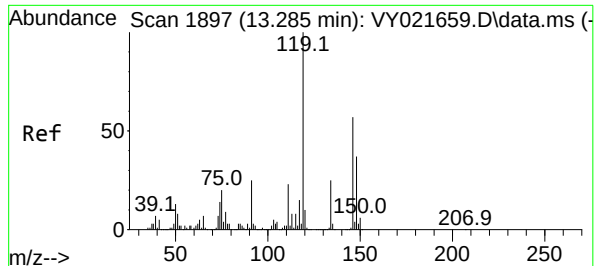
Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025



#86
 p-Isopropyltoluene
 Concen: 53.269 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY021710.D
 Acq: 31 Mar 2025 10:08

Tgt Ion:119 Resp: 530150
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 51.375 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 275074

Ion Ratio Lower Upper

146 100

111 39.9 20.0 60.0

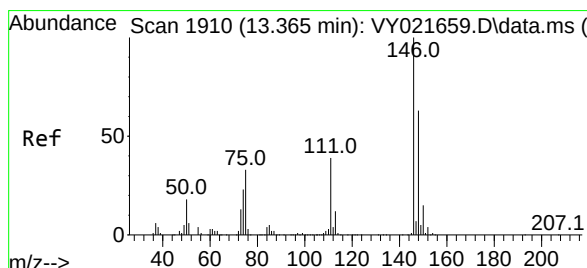
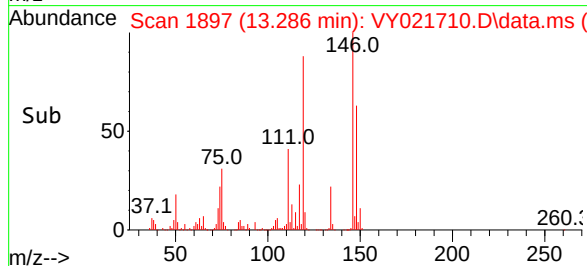
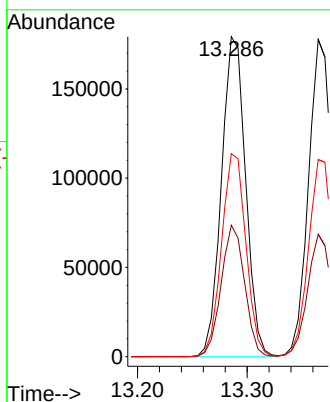
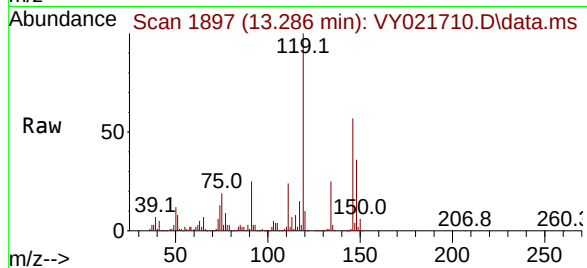
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#88

1,4-Dichlorobenzene

Concen: 50.974 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

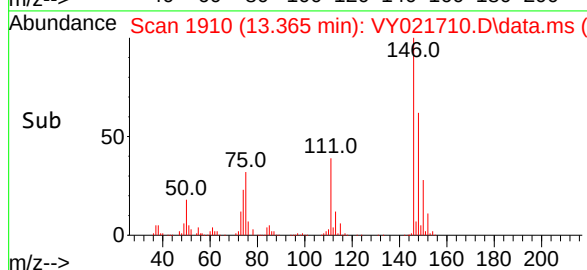
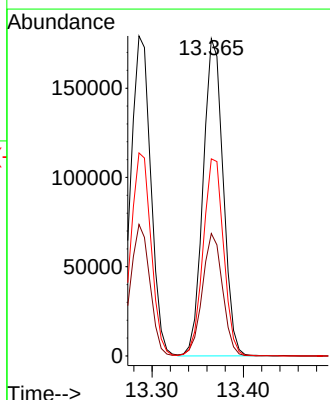
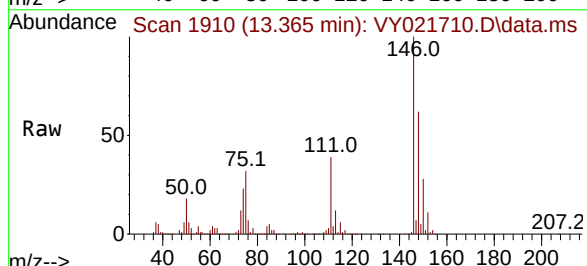
Tgt Ion:146 Resp: 269656

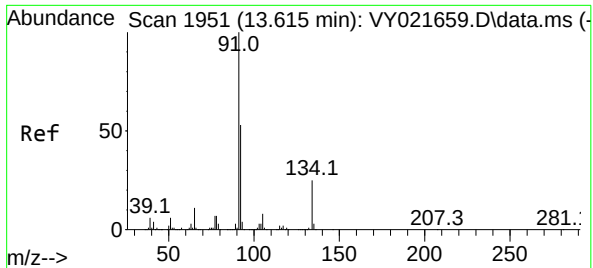
Ion Ratio Lower Upper

146 100

111 39.1 19.1 57.1

148 63.6 31.5 94.5





#89

n-Butylbenzene

Concen: 52.961 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 487459

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.2

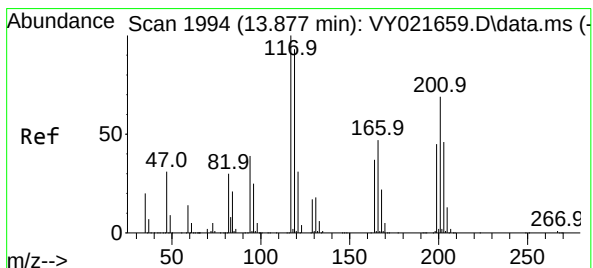
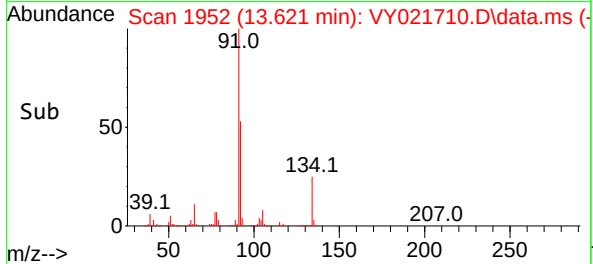
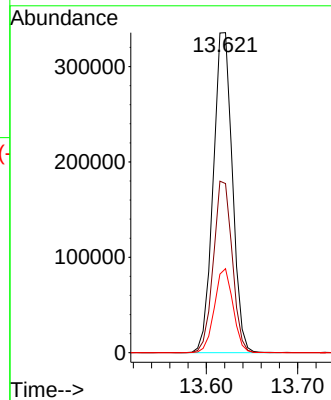
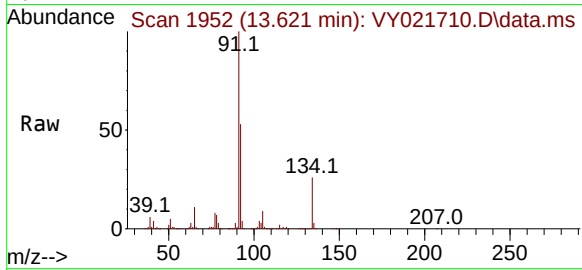
134 25.5 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#90

Hexachloroethane

Concen: 50.091 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021710.D

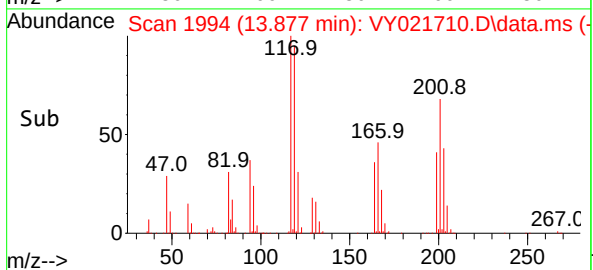
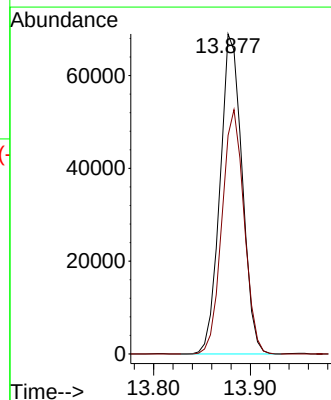
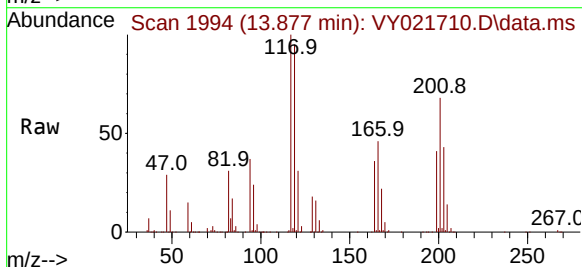
Acq: 31 Mar 2025 10:08

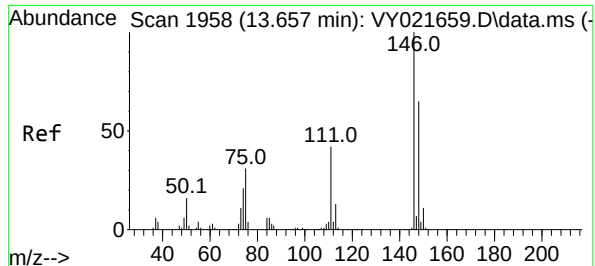
Tgt Ion:117 Resp: 109245

Ion Ratio Lower Upper

117 100

201 76.5 37.4 112.1





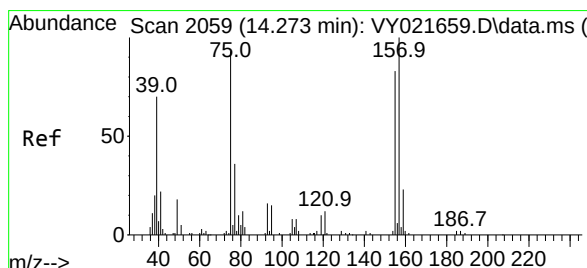
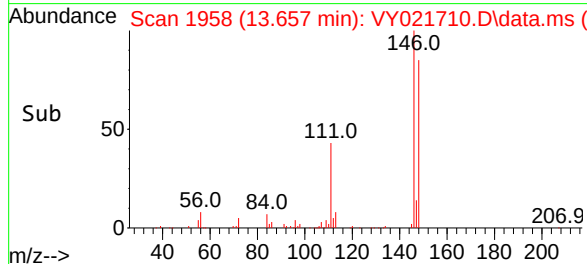
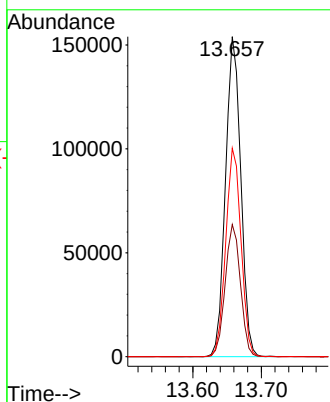
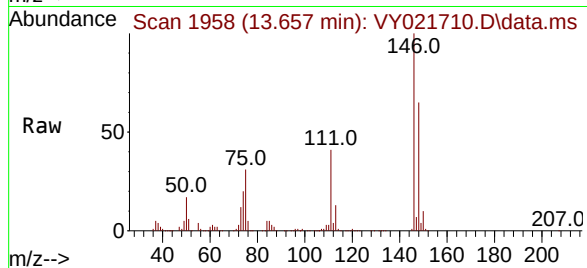
#91
1,2-Dichlorobenzene
Concen: 51.099 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 238170
Ion Ratio Lower Upper
146 100
111 41.2 20.7 62.1
148 65.1 32.3 96.9

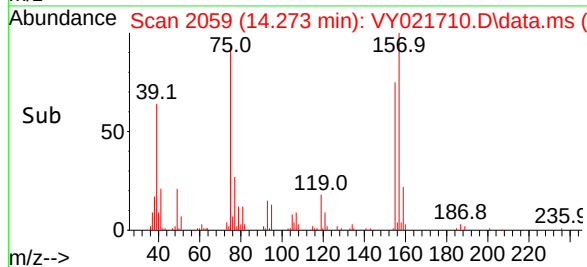
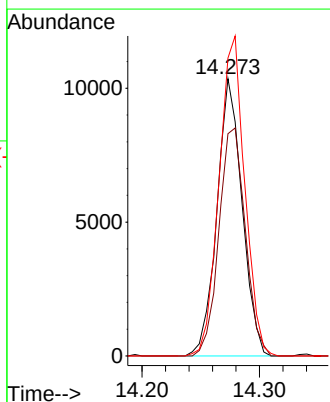
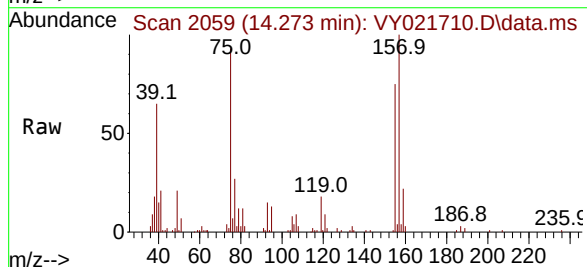
Manual Integrations
APPROVED

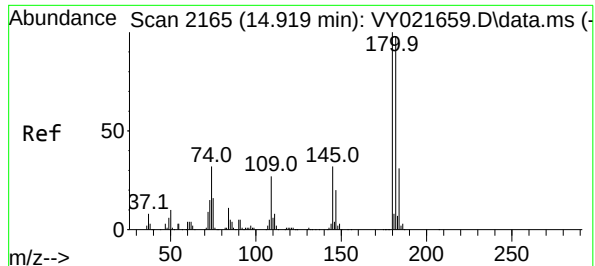
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.816 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

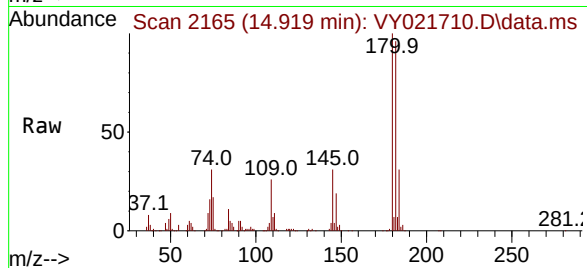
Tgt Ion: 75 Resp: 15397
Ion Ratio Lower Upper
75 100
155 86.2 43.0 128.8
157 118.0 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 51.422 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08

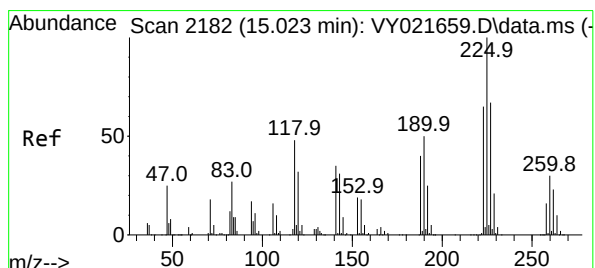
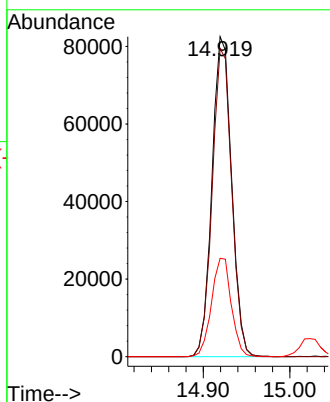
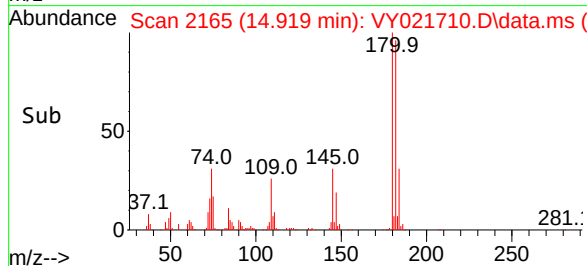
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



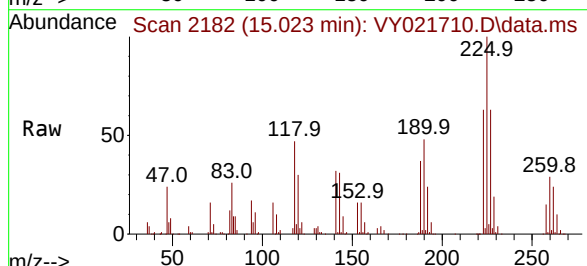
Tgt Ion:180 Resp: 129975
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.6
145 31.0 14.9 44.9

Manual Integrations
APPROVED

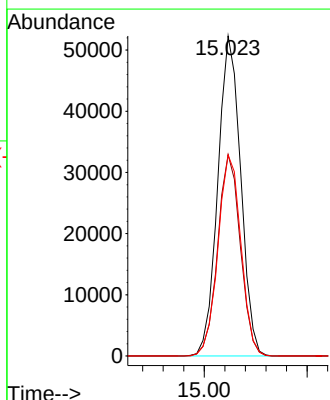
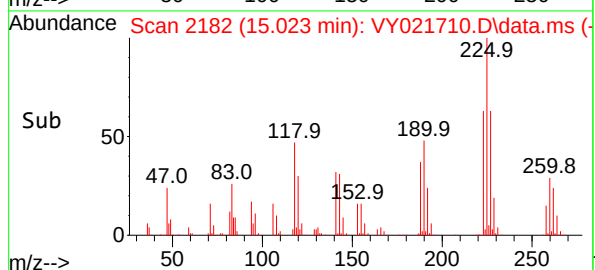
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

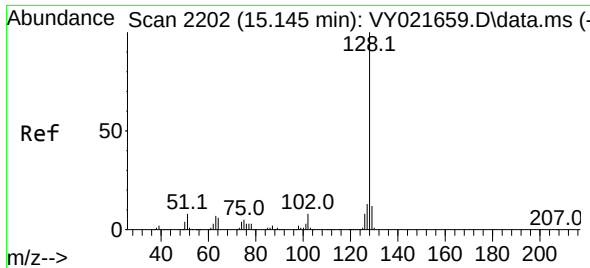


#94
Hexachlorobutadiene
Concen: 51.027 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021710.D
Acq: 31 Mar 2025 10:08



Tgt Ion:225 Resp: 80551
Ion Ratio Lower Upper
225 100
223 62.4 31.9 95.7
227 63.1 32.4 97.0





#95

Naphthalene

Concen: 53.236 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 22303

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

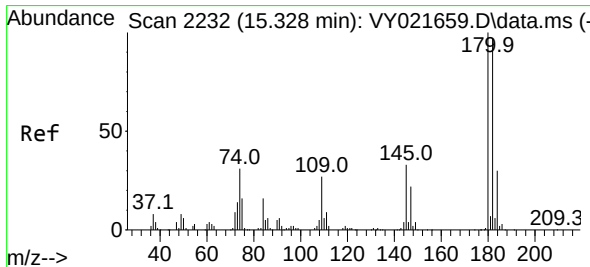
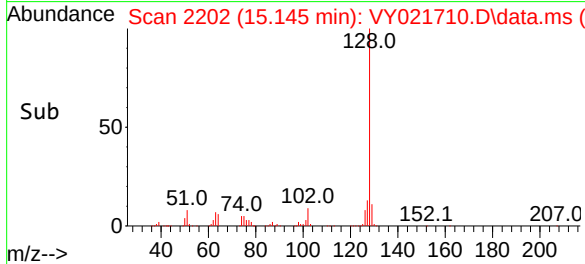
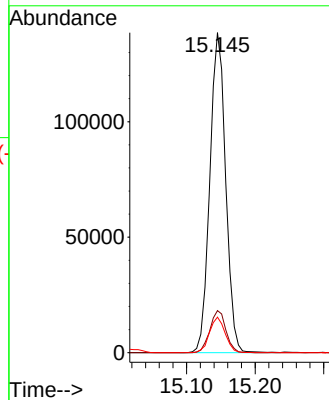
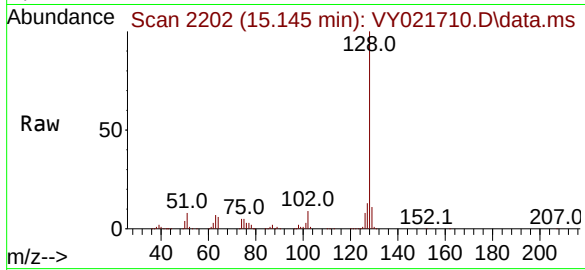
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.610 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021710.D

Acq: 31 Mar 2025 10:08

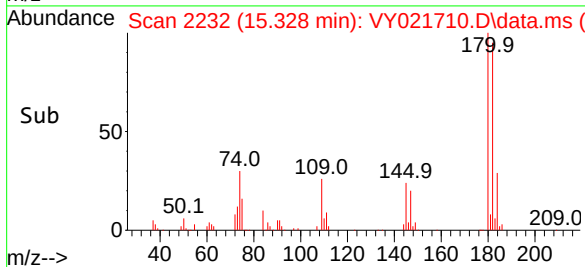
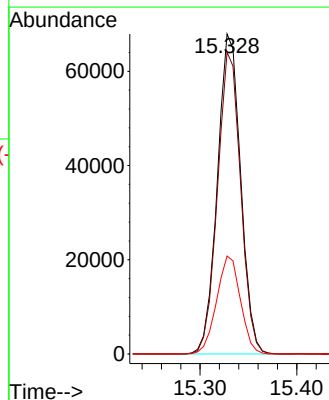
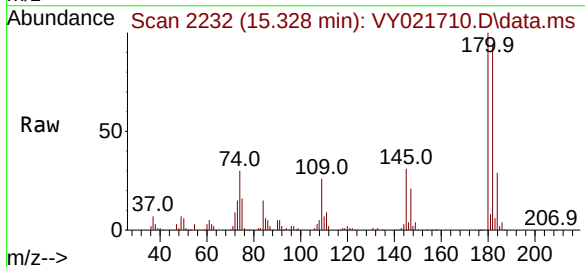
Tgt Ion:180 Resp: 113397

Ion Ratio Lower Upper

180 100

182 93.7 47.5 142.5

145 31.2 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 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 01 05:32:36 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	92	0.00
2 T	Dichlorodifluoromethane	0.518	0.504	2.7	92	0.00
3 P	Chloromethane	0.729	0.699	4.1	93	0.00
4 C	Vinyl Chloride	0.824	0.802	2.7#	93	0.00
5 T	Bromomethane	0.562	0.525	6.6	94	0.00
6 T	Chloroethane	0.539	0.525	2.6	95	0.00
7 T	Trichlorofluoromethane	1.056	1.075	-1.8	98	0.00
8 T	Diethyl Ether	0.287	0.276	3.8	93	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.561	-0.7	97	0.00
10 T	Methyl Iodide	0.611	0.628	-2.8	88	0.00
11 T	Tert butyl alcohol	0.035	0.033	5.7	90	-0.01
12 CM	1,1-Dichloroethene	0.524	0.519	1.0#	93	0.00
13 T	Acrolein	0.064	0.044	31.3#	64	0.00
14 T	Allyl chloride	0.836	0.825	1.3	91	0.00
15 T	Acrylonitrile	0.120	0.121	-0.8	92	0.00
16 T	Acetone	0.111	0.097	12.6	84	0.00
17 T	Carbon Disulfide	1.727	1.707	1.2	93	0.00
18 T	Methyl Acetate	0.275	0.294	-6.9	102	0.00
19 T	Methyl tert-butyl Ether	1.306	1.319	-1.0	92	0.00
20 T	Methylene Chloride	0.626	0.573	8.5	94	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.577	0.0	94	0.00
22 T	Diisopropyl ether	1.754	1.822	-3.9	93	0.00
23 T	Vinyl Acetate	1.026	1.053	-2.6	91	0.00
24 P	1,1-Dichloroethane	1.049	1.046	0.3	93	0.00
25 T	2-Butanone	0.158	0.156	1.3	91	0.00
26 T	2,2-Dichloropropane	0.933	0.919	1.5	92	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.650	-0.2	92	0.00
28 T	Bromochloromethane	0.442	0.448	-1.4	97	0.00
29 T	Tetrahydrofuran	0.102	0.105	-2.9	92	0.00
30 C	Chloroform	1.091	1.087	0.4#	93	0.00
31 T	Cyclohexane	0.956	0.927	3.0	93	0.00
32 T	1,1,1-Trichloroethane	0.986	0.979	0.7	93	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.580	-7.0	98	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35 S	Dibromofluoromethane	0.324	0.372	-14.8	98	0.00
36 T	1,1-Dichloropropene	0.494	0.524	-6.1	93	0.00
37 T	Ethyl Acetate	0.233	0.241	-3.4	91	0.00
38 T	Carbon Tetrachloride	0.566	0.608	-7.4	96	0.00
39 T	Methylcyclohexane	0.590	0.641	-8.6	92	0.00
40 TM	Benzene	1.479	1.572	-6.3	94	0.00
41 T	Methacrylonitrile	0.124	0.134	-8.1	87	-0.02
42 TM	1,2-Dichloroethane	0.417	0.441	-5.8	94	0.00
43 T	Isopropyl Acetate	0.442	0.454	-2.7	90	0.00
44 TM	Trichloroethene	0.377	0.393	-4.2	94	0.00
45 C	1,2-Dichloropropane	0.350	0.371	-6.0#	94	0.00
46 T	Dibromomethane	0.202	0.217	-7.4	97	0.00
47 T	Bromodichloromethane	0.523	0.556	-6.3	95	0.00
48 T	Methyl methacrylate	0.203	0.225	-10.8	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 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 01 05:32:36 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	94	0.00
50 S	Toluene-d8	1.234	1.418	-14.9	97	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.254	-10.4	94	0.00
52 CM	Toluene	0.923	0.997	-8.0#	94	0.00
53 T	t-1,3-Dichloropropene	0.465	0.503	-8.2	92	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.585	-6.8	92	0.00
55 T	1,1,2-Trichloroethane	0.260	0.276	-6.2	94	0.00
56 T	Ethyl methacrylate	0.332	0.368	-10.8	90	0.00
57 T	1,3-Dichloropropane	0.449	0.488	-8.7	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.192	-18.5	96	0.00
59 T	2-Hexanone	0.153	0.171	-11.8	93	0.00
60 T	Dibromochloromethane	0.355	0.386	-8.7	95	0.00
61 T	1,2-Dibromoethane	0.244	0.265	-8.6	93	0.00
62 S	4-Bromofluorobenzene	0.417	0.477	-14.4	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.455	0.463	-1.8	95	0.00
65 PM	Chlorobenzene	1.146	1.163	-1.5	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.424	-4.2	95	0.00
67 C	Ethyl Benzene	1.965	2.057	-4.7#	92	0.00
68 T	m/p-Xylenes	0.753	0.796	-5.7	93	0.00
69 T	o-Xylene	0.695	0.737	-6.0	92	0.00
70 T	Styrene	1.158	1.271	-9.8	95	0.00
71 P	Bromoform	0.232	0.247	-6.5	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.714	3.861	-4.0	92	0.00
74 T	N-amyl acetate	0.872	0.909	-4.2	90	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.673	-0.7	93	0.00
76 T	1,2,3-Trichloropropane	0.496	0.513	-3.4	93	0.00
77 T	Bromobenzene	0.892	0.925	-3.7	94	0.00
78 T	n-propylbenzene	4.465	4.711	-5.5	93	0.00
79 T	2-Chlorotoluene	2.593	2.676	-3.2	92	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.221	-6.1	93	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.227	-5.6	93	0.00
82 T	4-Chlorotoluene	2.704	2.797	-3.4	92	0.00
83 T	tert-Butylbenzene	2.703	2.844	-5.2	93	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.191	-6.4	92	0.00
85 T	sec-Butylbenzene	3.951	4.144	-4.9	92	0.00
86 T	p-Isopropyltoluene	3.265	3.479	-6.6	92	0.00
87 T	1,3-Dichlorobenzene	1.757	1.805	-2.7	94	0.00
88 T	1,4-Dichlorobenzene	1.736	1.769	-1.9	92	0.00
89 T	n-Butylbenzene	3.020	3.199	-5.9	91	0.00
90 T	Hexachloroethane	0.716	0.717	-0.1	92	0.00
91 T	1,2-Dichlorobenzene	1.529	1.563	-2.2	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.101	1.9	90	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	88	0.00
94 T	Hexachlorobutadiene	0.518	0.529	-2.1	91	0.00
95 T	Naphthalene	1.375	1.464	-6.5	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021710.D
Acq On : 31 Mar 2025 10:08
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 01 05:32:36 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	0.744	-5.2	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 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 01 05:32:36 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	92	0.00
2 T	Dichlorodifluoromethane	50.000	48.634	2.7	92	0.00
3 P	Chloromethane	50.000	47.952	4.1	93	0.00
4 C	Vinyl Chloride	50.000	48.678	2.6#	93	0.00
5 T	Bromomethane	50.000	46.691	6.6	94	0.00
6 T	Chloroethane	50.000	48.684	2.6	95	0.00
7 T	Trichlorofluoromethane	50.000	50.894	-1.8	98	0.00
8 T	Diethyl Ether	50.000	48.091	3.8	93	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.392	-0.8	97	0.00
10 T	Methyl Iodide	50.000	51.427	-2.9	88	0.00
11 T	Tert butyl alcohol	250.000	233.635	6.5	90	-0.01
12 CM	1,1-Dichloroethene	50.000	49.486	1.0#	93	0.00
13 T	Acrolein	250.000	170.852	31.7#	64	0.00
14 T	Allyl chloride	50.000	49.344	1.3	91	0.00
15 T	Acrylonitrile	250.000	252.846	-1.1	92	0.00
16 T	Acetone	250.000	219.682	12.1	84	0.00
17 T	Carbon Disulfide	50.000	49.414	1.2	93	0.00
18 T	Methyl Acetate	50.000	53.480	-7.0	102	0.00
19 T	Methyl tert-butyl Ether	50.000	50.507	-1.0	92	0.00
20 T	Methylene Chloride	50.000	53.035	-6.1	94	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.961	0.1	94	0.00
22 T	Diisopropyl ether	50.000	51.947	-3.9	93	0.00
23 T	Vinyl Acetate	250.000	256.635	-2.7	91	0.00
24 P	1,1-Dichloroethane	50.000	49.850	0.3	93	0.00
25 T	2-Butanone	250.000	246.699	1.3	91	0.00
26 T	2,2-Dichloropropane	50.000	49.248	1.5	92	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.049	-0.1	92	0.00
28 T	Bromochloromethane	50.000	50.596	-1.2	97	0.00
29 T	Tetrahydrofuran	250.000	257.561	-3.0	92	0.00
30 C	Chloroform	50.000	49.797	0.4#	93	0.00
31 T	Cyclohexane	50.000	48.480	3.0	93	0.00
32 T	1,1,1-Trichloroethane	50.000	49.652	0.7	93	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.504	-7.0	98	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35 S	Dibromofluoromethane	50.000	57.318	-14.6	98	0.00
36 T	1,1-Dichloropropene	50.000	53.022	-6.0	93	0.00
37 T	Ethyl Acetate	50.000	51.716	-3.4	91	0.00
38 T	Carbon Tetrachloride	50.000	53.686	-7.4	96	0.00
39 T	Methylcyclohexane	50.000	54.307	-8.6	92	0.00
40 TM	Benzene	50.000	53.115	-6.2	94	0.00
41 T	Methacrylonitrile	50.000	54.109	-8.2	87	-0.02
42 TM	1,2-Dichloroethane	50.000	52.829	-5.7	94	0.00
43 T	Isopropyl Acetate	50.000	51.432	-2.9	90	0.00
44 TM	Trichloroethene	50.000	52.160	-4.3	94	0.00
45 C	1,2-Dichloropropane	50.000	53.038	-6.1#	94	0.00
46 T	Dibromomethane	50.000	53.637	-7.3	97	0.00
47 T	Bromodichloromethane	50.000	53.147	-6.3	95	0.00
48 T	Methyl methacrylate	50.000	55.389	-10.8	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 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 01 05:32:36 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	1087.866	-8.8	94	0.00
50 S	Toluene-d8	50.000	57.457	-14.9	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	275.853	-10.3	94	0.00
52 CM	Toluene	50.000	54.010	-8.0#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	54.122	-8.2	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.389	-6.8	92	0.00
55 T	1,1,2-Trichloroethane	50.000	53.104	-6.2	94	0.00
56 T	Ethyl methacrylate	50.000	55.489	-11.0	90	0.00
57 T	1,3-Dichloropropane	50.000	54.411	-8.8	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	296.929	-18.8	96	0.00
59 T	2-Hexanone	250.000	279.290	-11.7	93	0.00
60 T	Dibromochloromethane	50.000	54.396	-8.8	95	0.00
61 T	1,2-Dibromoethane	50.000	54.315	-8.6	93	0.00
62 S	4-Bromofluorobenzene	50.000	57.178	-14.4	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	50.794	-1.6	95	0.00
65 PM	Chlorobenzene	50.000	50.739	-1.5	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.170	-4.3	95	0.00
67 C	Ethyl Benzene	50.000	52.327	-4.7#	92	0.00
68 T	m/p-Xylenes	100.000	105.817	-5.8	93	0.00
69 T	o-Xylene	50.000	53.076	-6.2	92	0.00
70 T	Styrene	50.000	54.868	-9.7	95	0.00
71 P	Bromoform	50.000	53.316	-6.6	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	51.977	-4.0	92	0.00
74 T	N-amyl acetate	50.000	52.148	-4.3	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.420	-0.8	93	0.00
76 T	1,2,3-Trichloropropane	50.000	51.730	-3.5	93	0.00
77 T	Bromobenzene	50.000	51.852	-3.7	94	0.00
78 T	n-propylbenzene	50.000	52.754	-5.5	93	0.00
79 T	2-Chlorotoluene	50.000	51.587	-3.2	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.059	-6.1	93	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.787	-5.6	93	0.00
82 T	4-Chlorotoluene	50.000	51.727	-3.5	92	0.00
83 T	tert-Butylbenzene	50.000	52.594	-5.2	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.191	-6.4	92	0.00
85 T	sec-Butylbenzene	50.000	52.444	-4.9	92	0.00
86 T	p-Isopropyltoluene	50.000	53.269	-6.5	92	0.00
87 T	1,3-Dichlorobenzene	50.000	51.375	-2.8	94	0.00
88 T	1,4-Dichlorobenzene	50.000	50.974	-1.9	92	0.00
89 T	n-Butylbenzene	50.000	52.961	-5.9	91	0.00
90 T	Hexachloroethane	50.000	50.091	-0.2	92	0.00
91 T	1,2-Dichlorobenzene	50.000	51.099	-2.2	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.816	2.4	90	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.422	-2.8	88	0.00
94 T	Hexachlorobutadiene	50.000	51.027	-2.1	91	0.00
95 T	Naphthalene	50.000	53.236	-6.5	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021710.D
Acq On : 31 Mar 2025 10:08
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 01 05:32:36 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	52.610	-5.2	91	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: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 04/01/2025 10:13

Lab File ID: VY021731.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	0.503		-2.9	20
Chloromethane	0.729	0.661	0.1	-9.33	20
Vinyl Chloride	0.824	0.773		-6.19	20
Bromomethane	0.562	0.514		-8.54	20
Chloroethane	0.539	0.495		-8.16	20
Trichlorofluoromethane	1.056	1.042		-1.33	20
1,1,2-Trichlorotrifluoroethane	0.557	0.558		0.18	20
1,1-Dichloroethene	0.524	0.526		0.38	20
Acetone	0.111	0.089		-19.82	20
Carbon Disulfide	1.727	1.673		-3.13	20
Methyl tert-butyl Ether	1.306	1.321		1.15	20
Methyl Acetate	0.275	0.287		4.36	20
Methylene Chloride	0.626	0.569		-9.1	20
trans-1,2-Dichloroethene	0.577	0.583		1.04	20
1,1-Dichloroethane	1.049	1.041	0.1	-0.76	20
Cyclohexane	0.956	0.916		-4.18	20
2-Butanone	0.158	0.142		-10.13	20
Carbon Tetrachloride	0.566	0.583		3	20
cis-1,2-Dichloroethene	0.649	0.669		3.08	20
Bromochloromethane	0.442	0.402		-9.05	20
Chloroform	1.091	1.087		-0.37	20
1,1,1-Trichloroethane	0.986	0.985		-0.1	20
Methylcyclohexane	0.590	0.628		6.44	20
Benzene	1.479	1.490		0.74	20
1,2-Dichloroethane	0.417	0.409		-1.92	20
Trichloroethene	0.377	0.389		3.18	20
1,2-Dichloropropane	0.350	0.354		1.14	20
Bromodichloromethane	0.523	0.529		1.15	20
4-Methyl-2-Pentanone	0.230	0.225		-2.17	20
Toluene	0.923	0.962		4.22	20
t-1,3-Dichloropropene	0.465	0.479		3.01	20
cis-1,3-Dichloropropene	0.548	0.555		1.28	20
1,1,2-Trichloroethane	0.260	0.267		2.69	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.369		3.94	20
1,2-Dibromoethane	0.244	0.251		2.87	20
Tetrachloroethene	0.455	0.465		2.2	20
Chlorobenzene	1.146	1.163	0.3	1.48	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 04/01/2025 10:13

Lab File ID: VY021731.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
Ethyl Benzene	1.965	2.068		5.24	20
m/p-Xylenes	0.753	0.791		5.05	20
o-Xylene	0.695	0.744		7.05	20
Styrene	1.158	1.265		9.24	20
Bromoform	0.232	0.240	0.1	3.45	20
Isopropylbenzene	3.714	3.927		5.74	20
1,1,2,2-Tetrachloroethane	0.668	0.646	0.3	-3.29	20
1,3-Dichlorobenzene	1.757	1.808		2.9	20
1,4-Dichlorobenzene	1.736	1.750		0.81	20
1,2-Dichlorobenzene	1.529	1.568		2.55	20
1,2-Dibromo-3-Chloropropane	0.103	0.099		-3.88	20
1,2,4-Trichlorobenzene	0.829	0.905		9.17	20
1,2,3-Trichlorobenzene	0.707	0.756		6.93	20
1,2-Dichloroethane-d4	0.542	0.509		-6.09	20
Dibromofluoromethane	0.324	0.320		-1.24	20
Toluene-d8	1.234	1.227		-0.57	20
4-Bromofluorobenzene	0.417	0.421		0.96	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\VY040125\
 Data File : VY021731.D
 Acq On : 01 Apr 2025 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:21:06 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	267136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	417982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	136075	47.014	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.020%		
35) Dibromofluoromethane	7.628	113	133944	49.401	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.800%		
50) Toluene-d8	10.103	98	513066	49.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.480%		
62) 4-Bromofluorobenzene	12.407	95	176122	50.479	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	134416	48.547	ug/l	99
3) Chloromethane	2.068	50	176456	45.323	ug/l	99
4) Vinyl Chloride	2.202	62	206500	46.900	ug/l	99
5) Bromomethane	2.592	94	137266	45.709	ug/l	96
6) Chloroethane	2.732	64	132294	45.918	ug/l	97
7) Trichlorofluoromethane	3.055	101	278436	49.366	ug/l	95
8) Diethyl Ether	3.452	74	74100	48.310	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	148970	50.077	ug/l	99
10) Methyl Iodide	4.000	142	170850	52.351	ug/l	99
11) Tert butyl alcohol	4.860	59	42437	225.735	ug/l	97
12) 1,1-Dichloroethene	3.787	96	140564	50.166	ug/l	96
13) Acrolein	3.647	56	48810	142.192	ug/l	100
14) Allyl chloride	4.378	41	218387	48.883	ug/l	98
15) Acrylonitrile	5.049	53	152707	238.441	ug/l	99
16) Acetone	3.866	43	118444	199.954	ug/l	100
17) Carbon Disulfide	4.104	76	446985	48.433	ug/l	100
18) Methyl Acetate	4.378	43	76579	52.162	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	352917	50.590	ug/l	97
20) Methylene Chloride	4.610	84	152033	52.656	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	155717	50.474	ug/l	96
22) Diisopropyl ether	6.018	45	466330	49.759	ug/l	98
23) Vinyl Acetate	5.957	43	1338386	244.119	ug/l	99
24) 1,1-Dichloroethane	5.915	63	278076	49.622	ug/l	99
25) 2-Butanone	6.890	43	190328	224.955	ug/l	98
26) 2,2-Dichloropropane	6.884	77	247075	49.566	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	178722	51.514	ug/l	97
28) Bromochloromethane	7.238	49	107313	45.407	ug/l	96
29) Tetrahydrofuran	7.256	42	130067	238.865	ug/l	99
30) Chloroform	7.414	83	290391	49.822	ug/l	98
31) Cyclohexane	7.701	56	244653	47.893	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	263084	49.940	ug/l	99
36) 1,1-Dichloropropene	7.835	75	209338	50.689	ug/l	99
37) Ethyl Acetate	6.975	43	91307	46.847	ug/l	100
38) Carbon Tetrachloride	7.817	117	243670	51.515	ug/l	98
39) Methylcyclohexane	9.109	83	262352	53.177	ug/l	98
40) Benzene	8.079	78	622767	50.353	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021731.D
 Acq On : 01 Apr 2025 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:21:06 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	49923	48.231	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	170747	48.971	ug/l	100
43) Isopropyl Acetate	8.195	43	179833	48.688	ug/l	99
44) Trichloroethene	8.859	130	162593	51.597	ug/l	98
45) 1,2-Dichloropropane	9.140	63	148025	50.563	ug/l	99
46) Dibromomethane	9.231	93	84173	49.889	ug/l	98
47) Bromodichloromethane	9.420	83	221026	50.556	ug/l	99
48) Methyl methacrylate	9.219	41	84385	49.779	ug/l	99
49) 1,4-Dioxane	9.225	88	18431	1019.727	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	470787	244.928	ug/l	100
52) Toluene	10.170	92	402014	52.098	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	200228	51.562	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	232150	50.675	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	111496	51.351	ug/l	97
56) Ethyl methacrylate	10.438	69	147342	53.145	ug/l	98
57) 1,3-Dichloropropane	10.713	76	189537	50.545	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	353396	261.293	ug/l	99
59) 2-Hexanone	10.761	43	310936	242.897	ug/l	97
60) Dibromochloromethane	10.908	129	154318	52.056	ug/l	99
61) 1,2-Dibromoethane	11.011	107	104915	51.510	ug/l	98
64) Tetrachloroethene	10.646	164	171463	51.108	ug/l	99
65) Chlorobenzene	11.438	112	428457	50.741	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	154021	51.410	ug/l	100
67) Ethyl Benzene	11.517	91	761863	52.616	ug/l	100
68) m/p-Xylenes	11.627	106	583007	105.148	ug/l	99
69) o-Xylene	11.956	106	274181	53.570	ug/l	100
70) Styrene	11.968	104	466097	54.619	ug/l	98
71) Bromoform	12.133	173	88511	51.793	ug/l #	99
73) Isopropylbenzene	12.255	105	728894	52.872	ug/l	99
74) N-amyl acetate	12.072	43	160475	49.600	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	119944	48.393	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	91070m	49.498	ug/l	
77) Bromobenzene	12.535	156	169113	51.092	ug/l	99
78) n-propylbenzene	12.596	91	876144	52.863	ug/l	99
79) 2-Chlorotoluene	12.682	91	498171	51.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	597954	53.071	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	40075	50.188	ug/l	99
82) 4-Chlorotoluene	12.779	91	513706	51.186	ug/l	99
83) tert-Butylbenzene	12.999	119	533297	53.141	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	587932	52.796	ug/l	99
85) sec-Butylbenzene	13.176	105	778157	53.059	ug/l	100
86) p-Isopropyltoluene	13.291	119	652775	53.853	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	335519	51.450	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	324792	50.410	ug/l	98
89) n-Butylbenzene	13.621	91	599905	53.515	ug/l	100
90) Hexachloroethane	13.883	117	133741	50.349	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	291106	51.280	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18431	47.978	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	167937	54.551	ug/l	100
94) Hexachlorobutadiene	15.029	225	101814	52.955	ug/l	99
95) Naphthalene	15.145	128	281604	55.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	140280	53.436	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021731.D
Acq On : 01 Apr 2025 10:13
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:21:06 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

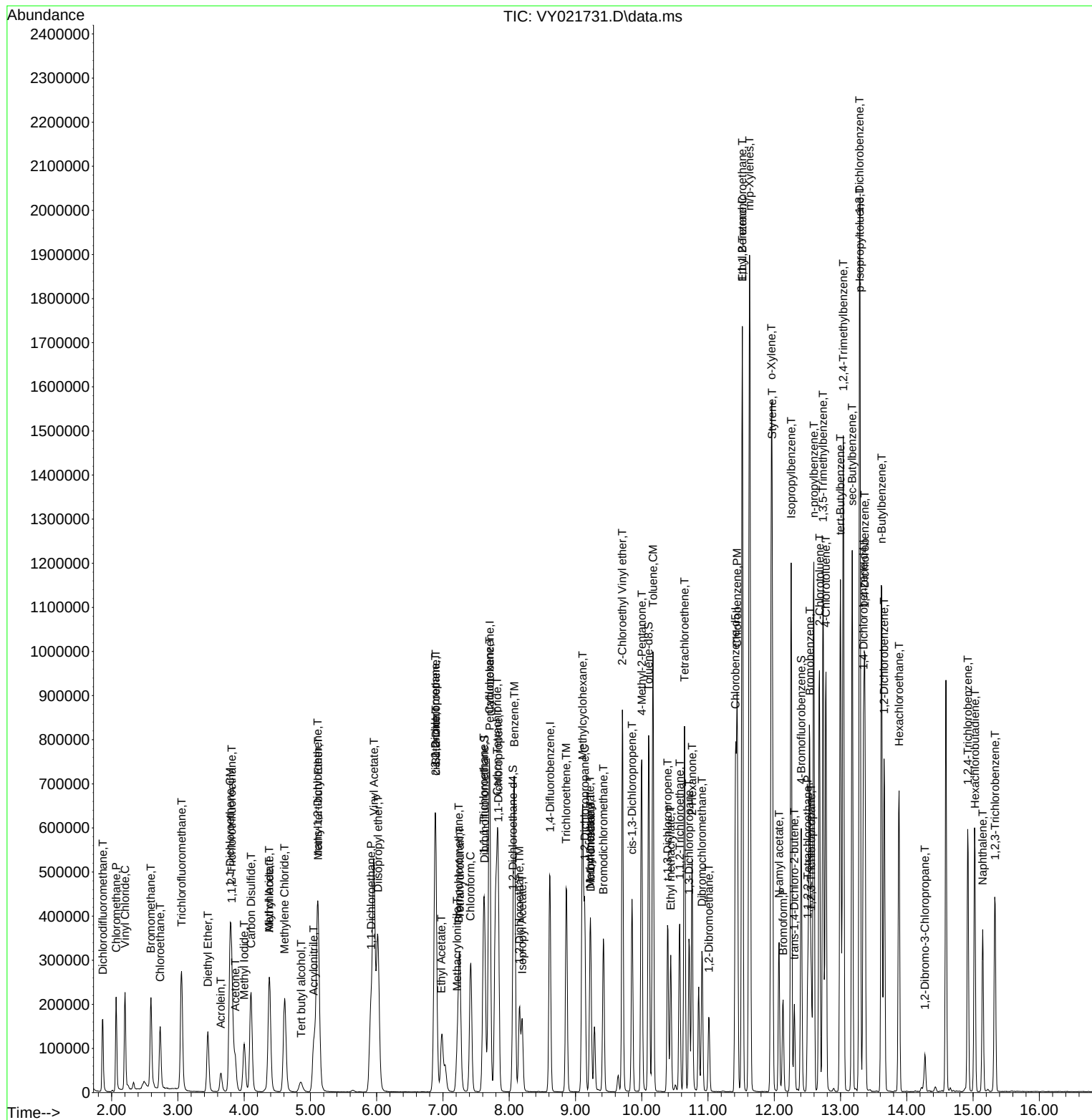
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

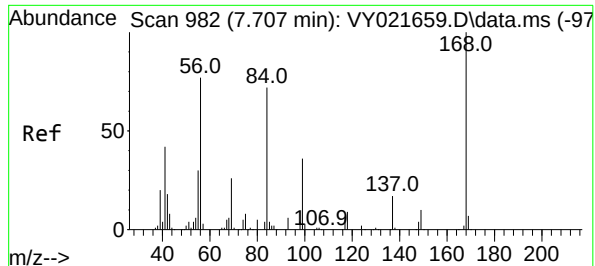
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025





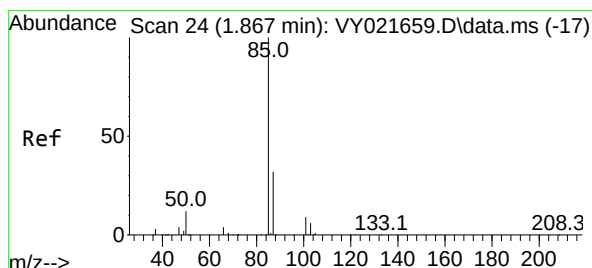
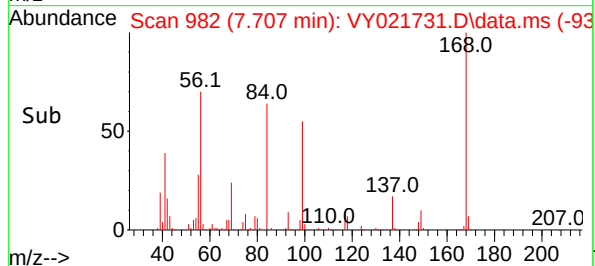
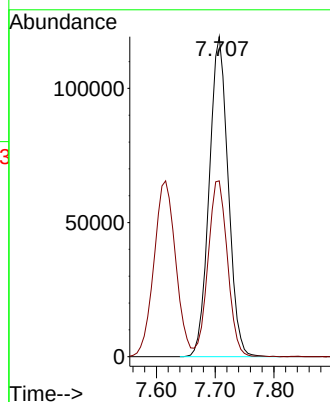
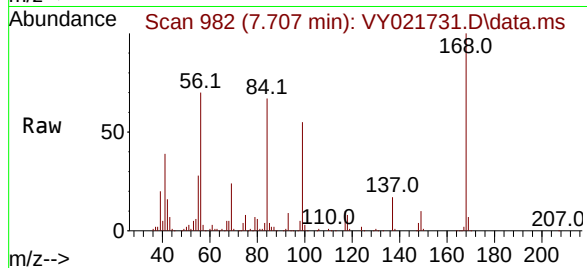
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 168 Resp: 267130
Ion Ratio Lower Upper
168 100
99 54.9 46.7 70.1

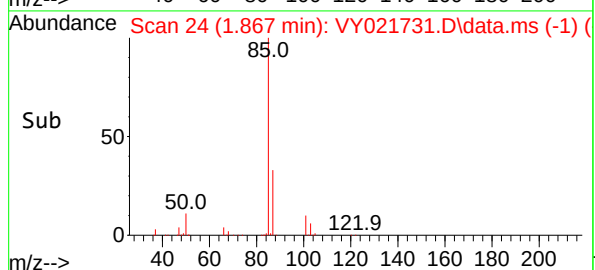
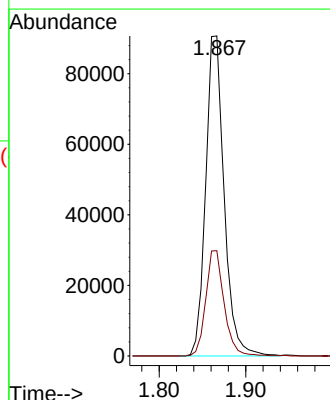
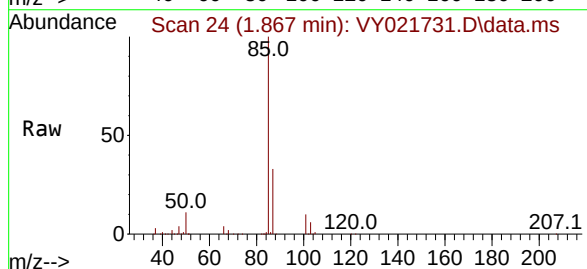
Manual Integrations
APPROVED

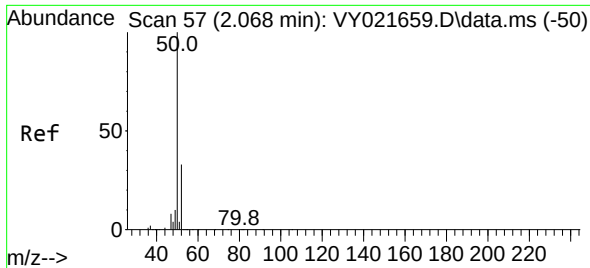
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#2
Dichlorodifluoromethane
Concen: 48.547 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

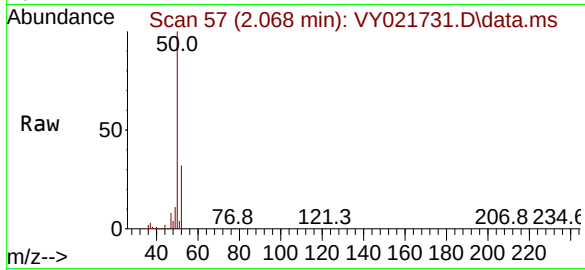
Tgt Ion: 85 Resp: 134416
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6





#3
Chloromethane
Concen: 45.323 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

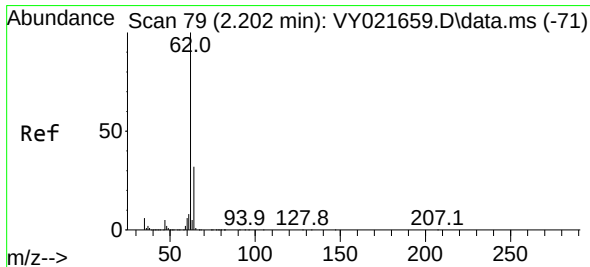
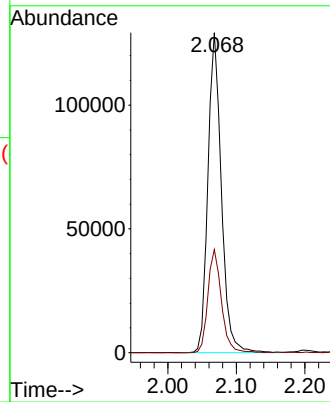
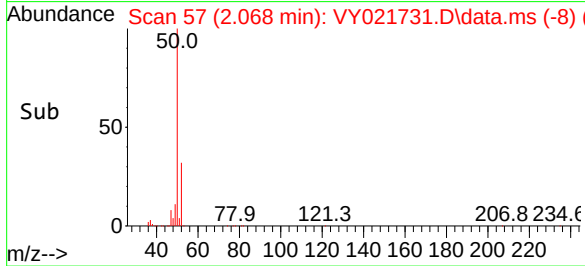
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 176450
Ion Ratio Lower Upper
50 100
52 32.2 26.3 39.5

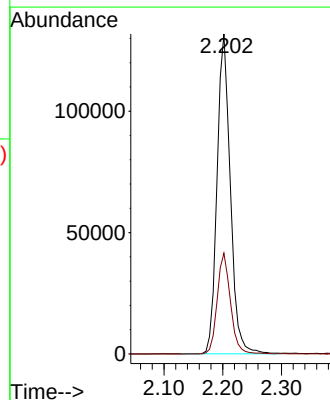
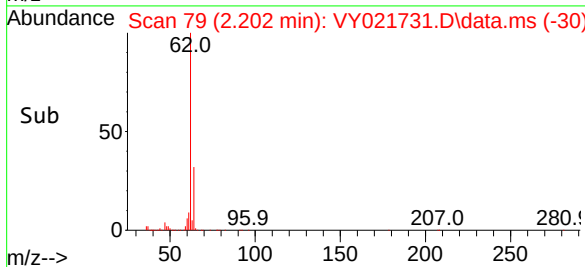
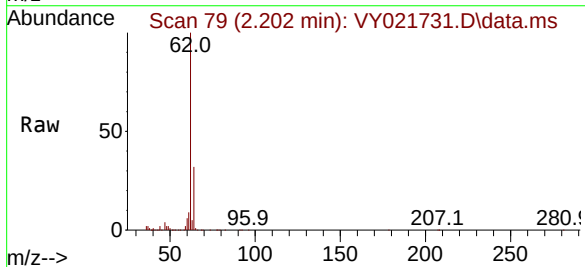
Manual Integrations
APPROVED

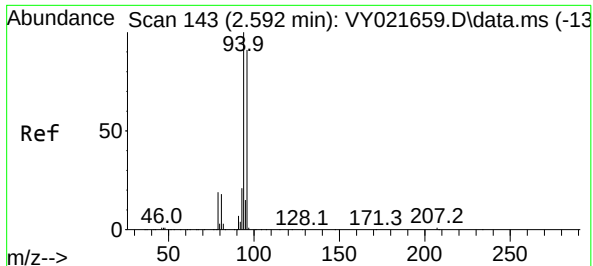
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#4
Vinyl Chloride
Concen: 46.900 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

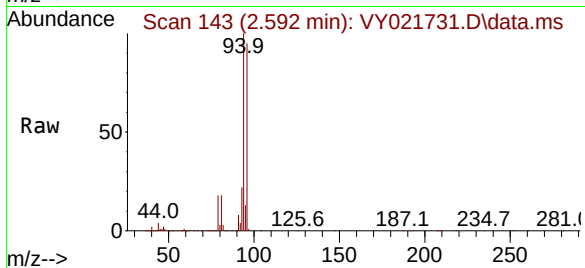
Tgt Ion: 62 Resp: 206500
Ion Ratio Lower Upper
62 100
64 31.5 25.5 38.3





#5
Bromomethane
Concen: 45.709 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

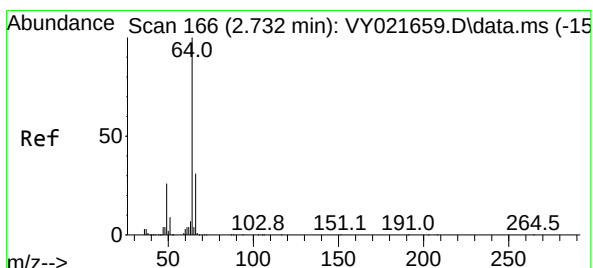
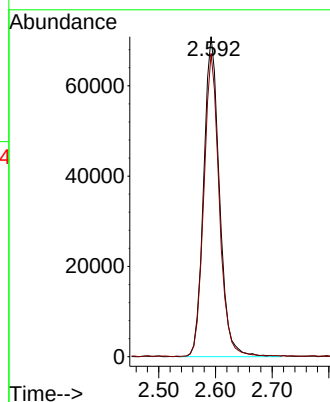
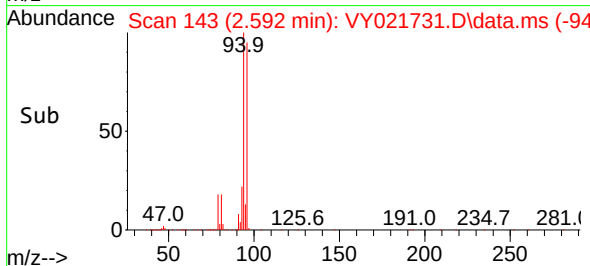
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 137260
Ion Ratio Lower Upper
94 100
96 94.7 72.8 109.2

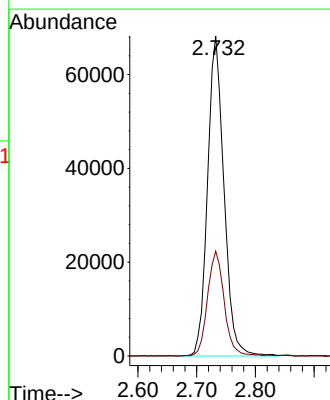
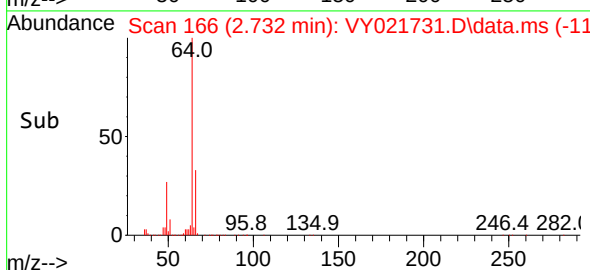
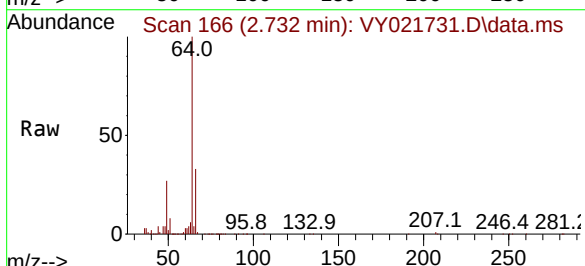
Manual Integrations
APPROVED

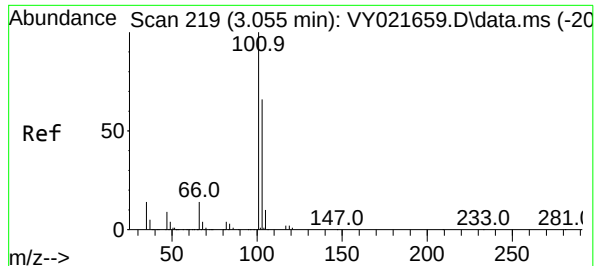
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#6
Chloroethane
Concen: 45.918 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

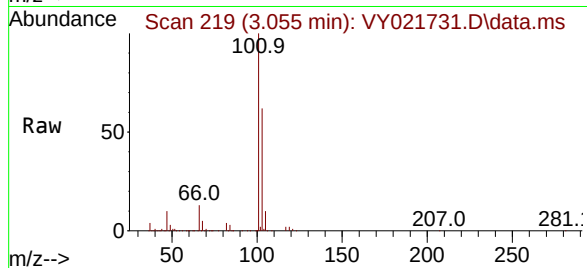
Tgt Ion: 64 Resp: 132294
Ion Ratio Lower Upper
64 100
66 32.7 24.9 37.3





#7
Trichlorofluoromethane
Concen: 49.366 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

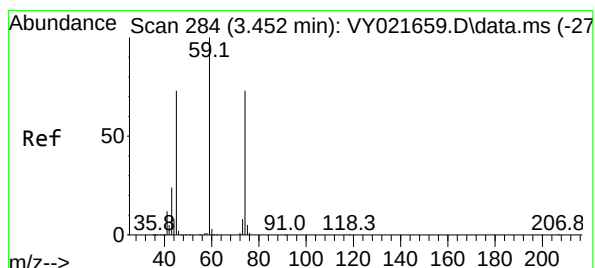
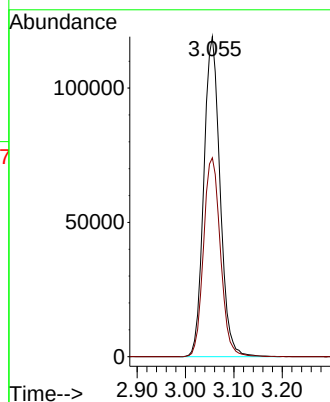
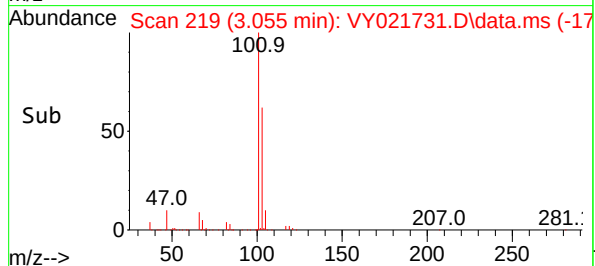
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 278430
Ion Ratio Lower Upper
101 100
103 62.1 53.1 79.7

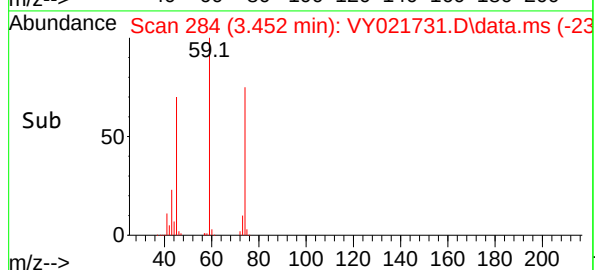
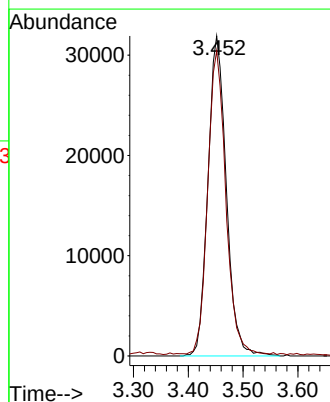
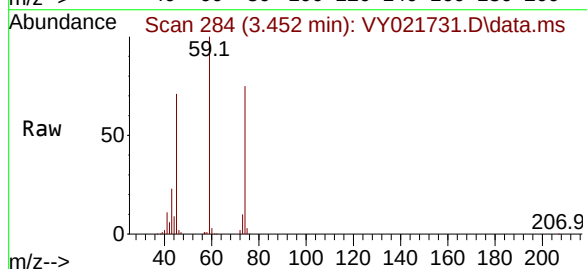
Manual Integrations
APPROVED

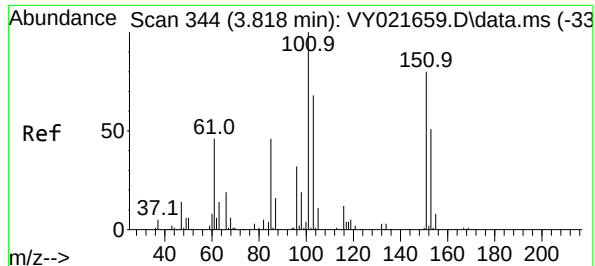
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#8
Diethyl Ether
Concen: 48.310 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion: 74 Resp: 74100
Ion Ratio Lower Upper
74 100
45 92.9 48.6 145.8





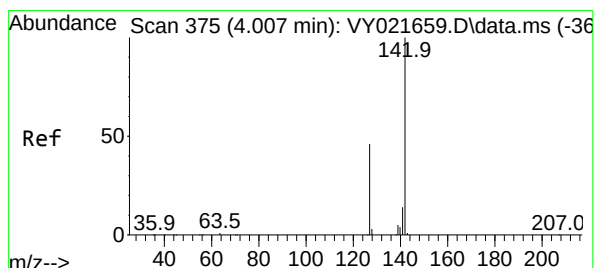
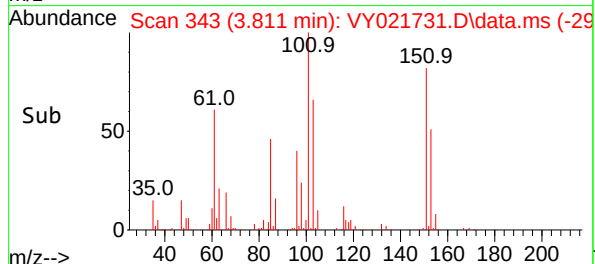
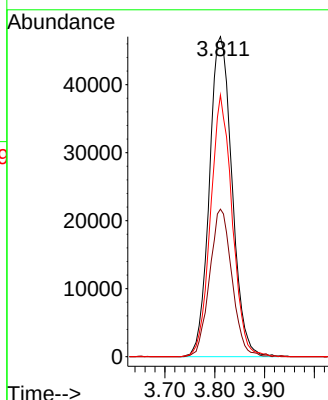
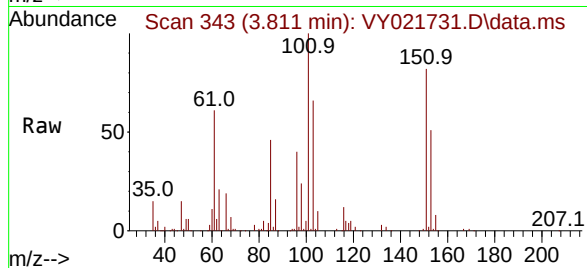
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.077 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 148970
Ion Ratio Lower Upper
101 100
85 45.3 36.3 54.5
151 77.9 61.3 91.9

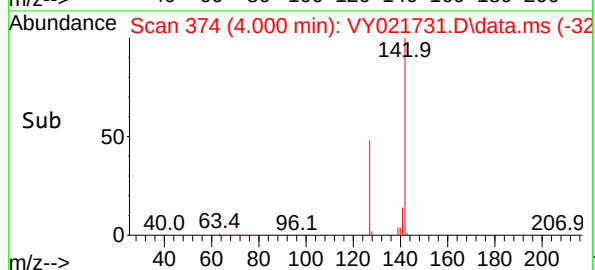
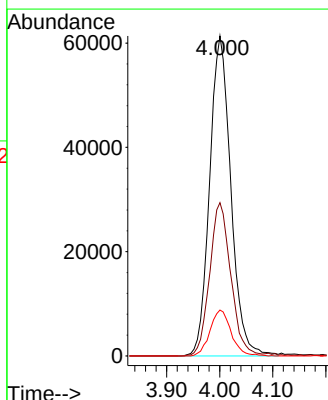
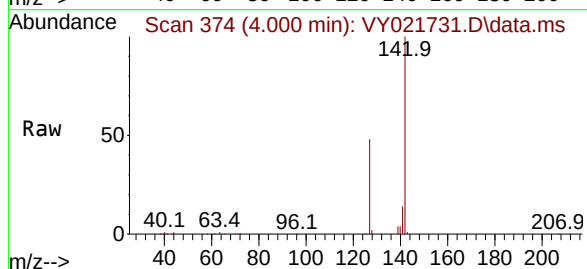
Manual Integrations
APPROVED

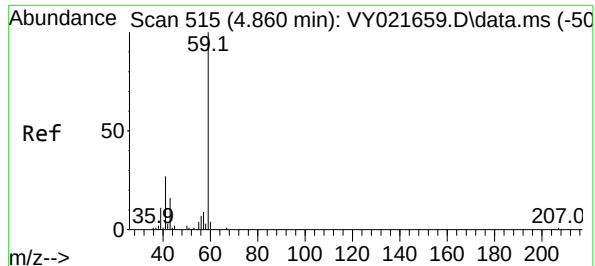
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#10
Methyl Iodide
Concen: 52.351 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion:142 Resp: 170850
Ion Ratio Lower Upper
142 100
127 47.6 38.7 58.1
141 14.3 11.5 17.3





#11

Tert butyl alcohol

Concen: 225.735 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 4243

Ion Ratio Lower Upper

59 100

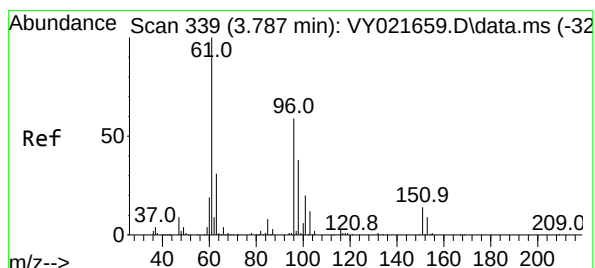
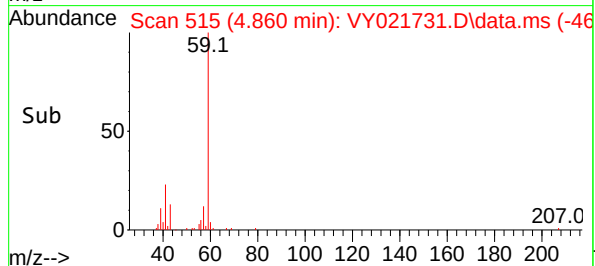
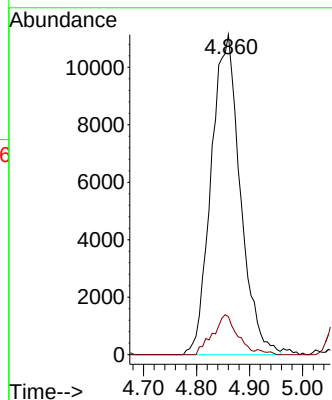
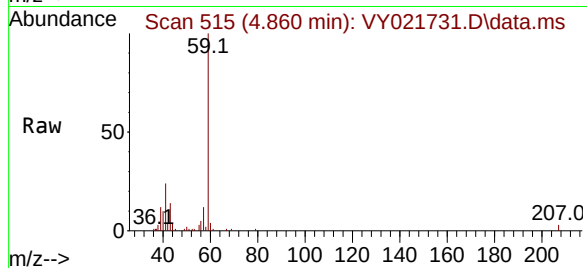
57 10.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#12

1,1-Dichloroethene

Concen: 50.166 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

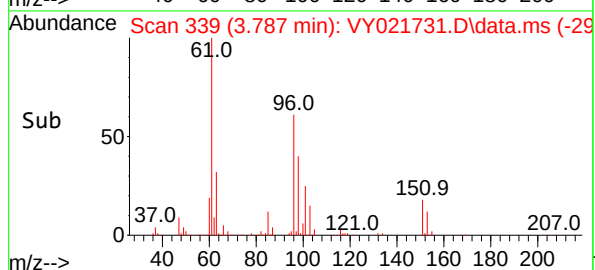
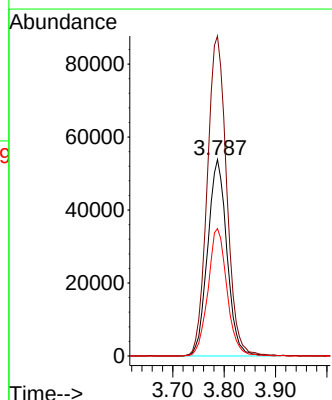
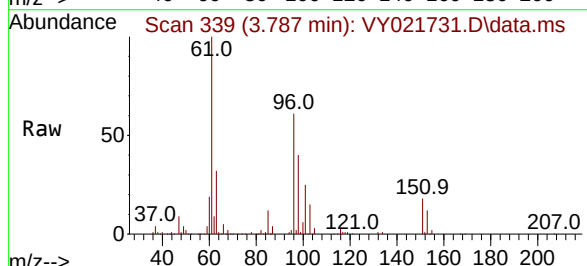
Tgt Ion: 96 Resp: 140564

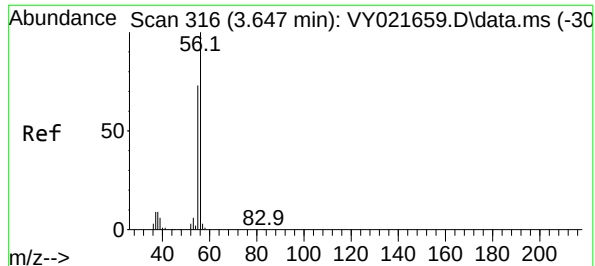
Ion Ratio Lower Upper

96 100

61 162.9 136.6 204.8

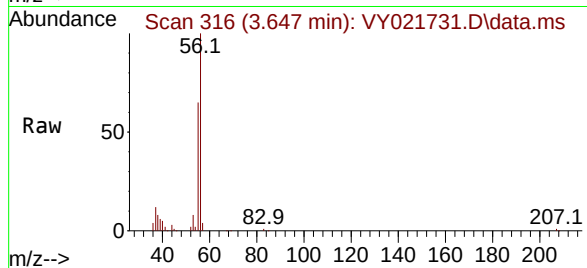
98 64.8 52.3 78.5





#13
Acrolein
Concen: 142.192 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

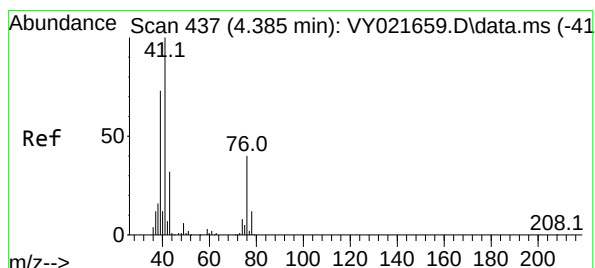
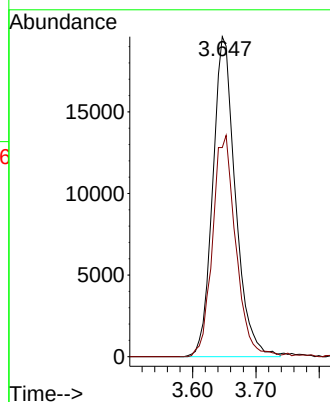
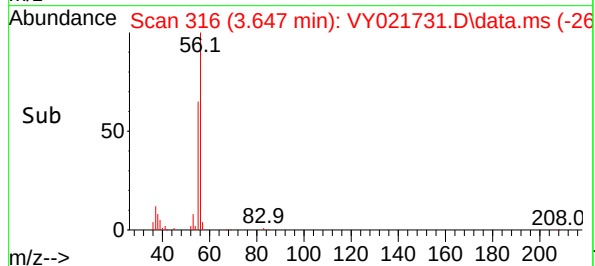
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 48810
Ion Ratio Lower Upper
56 100
55 70.7 56.6 85.0

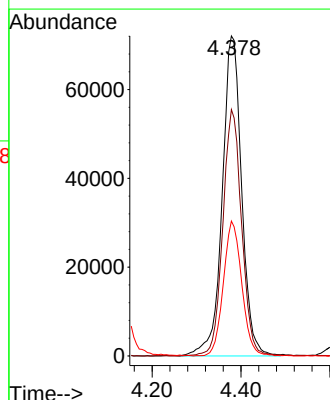
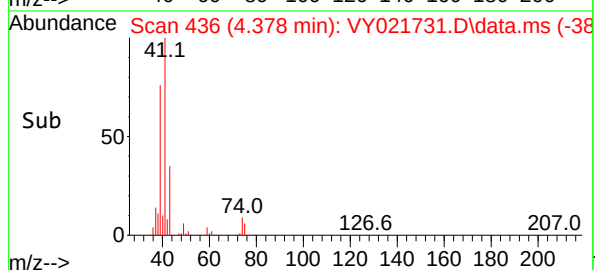
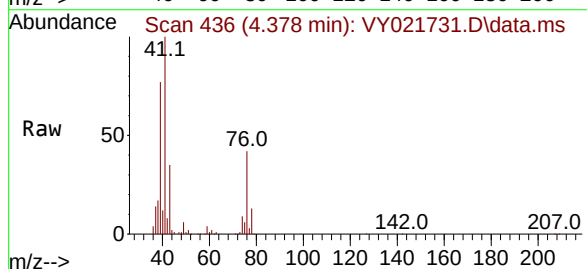
Manual Integrations
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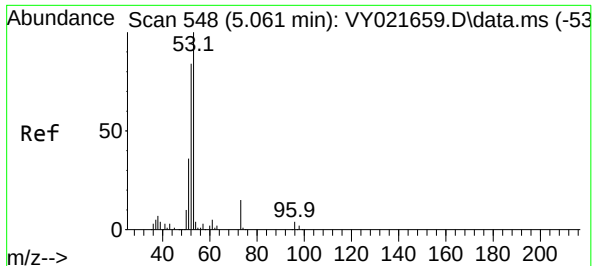
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#14
Allyl chloride
Concen: 48.883 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion: 41 Resp: 218387
Ion Ratio Lower Upper
41 100
39 74.4 58.6 88.0
76 40.0 30.3 45.5





#15

Acrylonitrile

Concen: 238.441 ug/l

RT: 5.049 min Scan# 54

Delta R.T. -0.012 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 15270

Ion Ratio Lower Upper

53 100

52 82.2 64.9 97.3

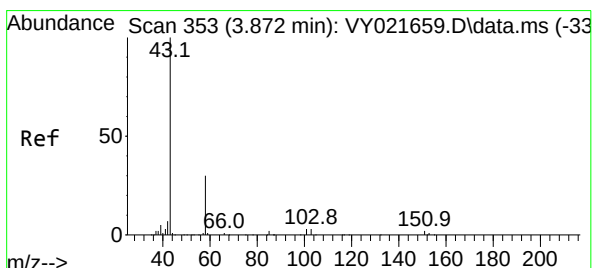
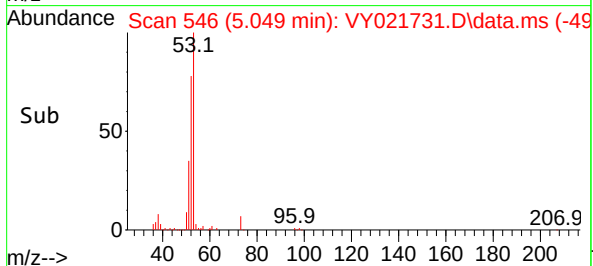
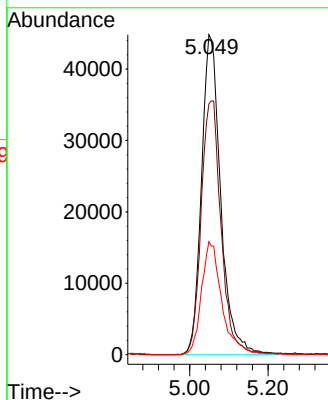
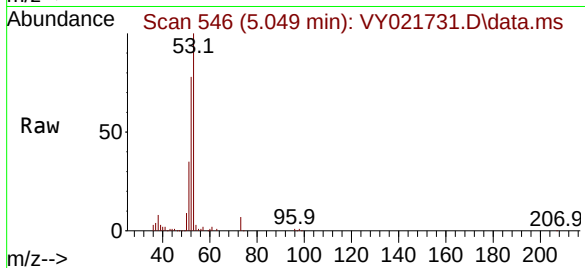
51 37.5 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#16

Acetone

Concen: 199.954 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021731.D

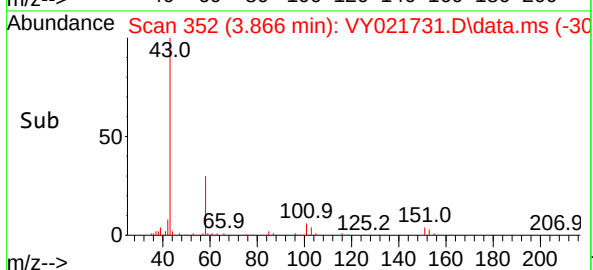
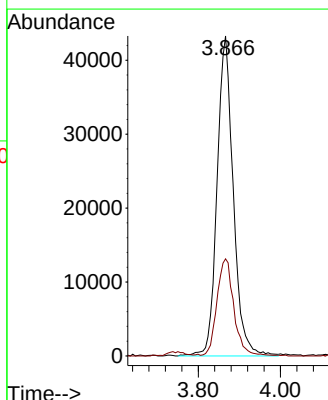
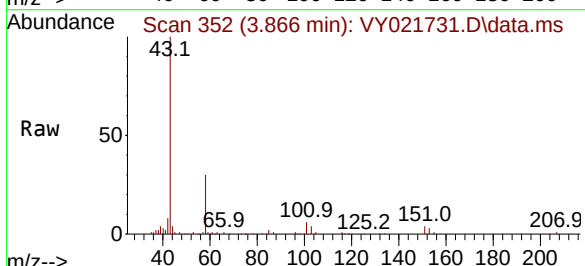
Acq: 01 Apr 2025 10:13

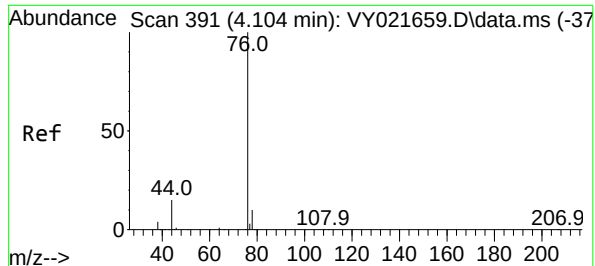
Tgt Ion: 43 Resp: 118444

Ion Ratio Lower Upper

43 100

58 30.1 24.2 36.4





#17

Carbon Disulfide

Concen: 48.433 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 44698

Ion Ratio Lower Upper

76 100

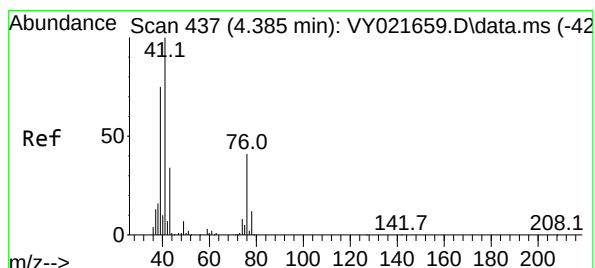
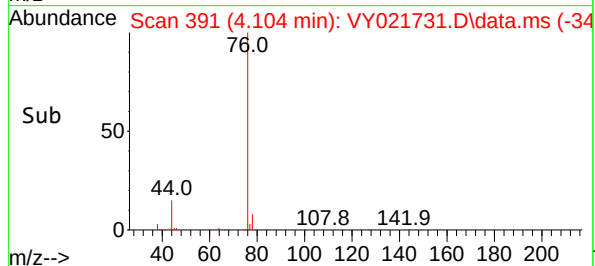
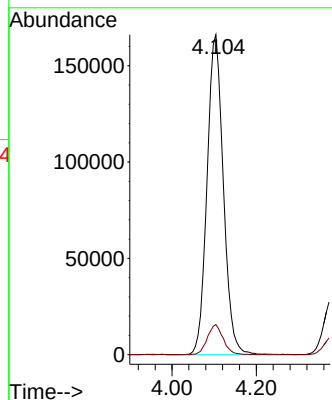
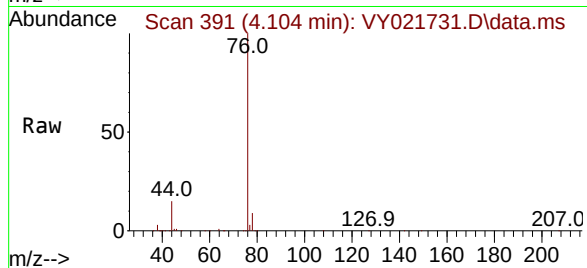
78 9.4 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#18

Methyl Acetate

Concen: 52.162 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021731.D

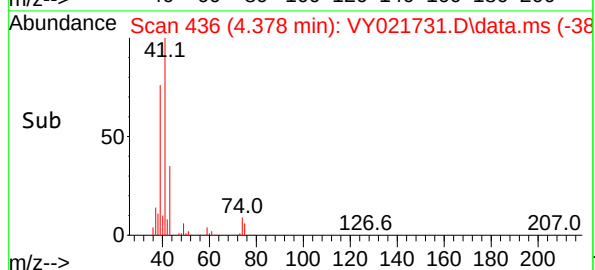
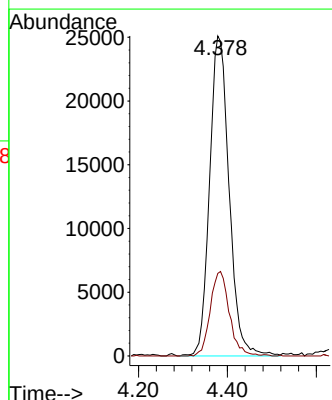
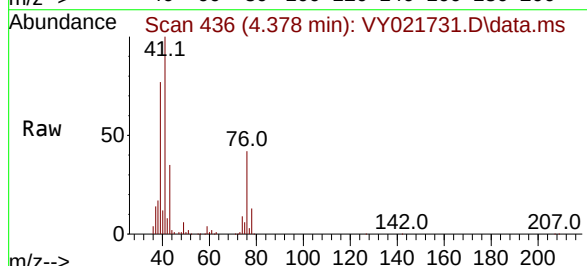
Acq: 01 Apr 2025 10:13

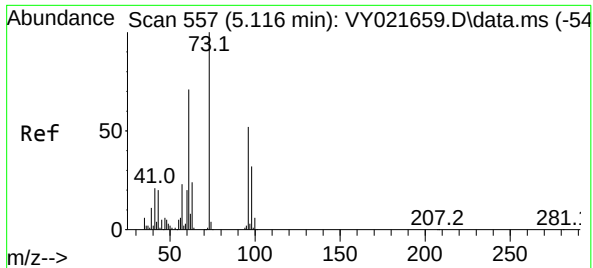
Tgt Ion: 43 Resp: 76579

Ion Ratio Lower Upper

43 100

74 25.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 50.590 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 35291

Ion Ratio Lower Upper

73 100

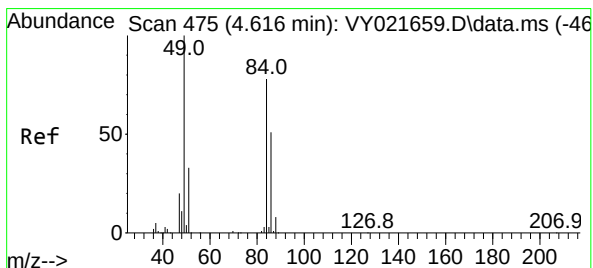
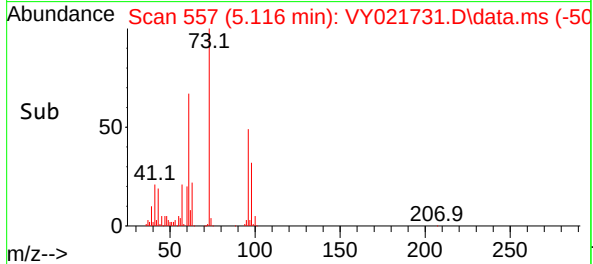
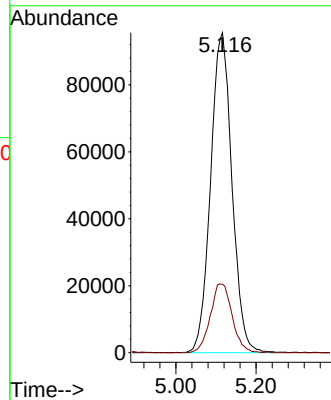
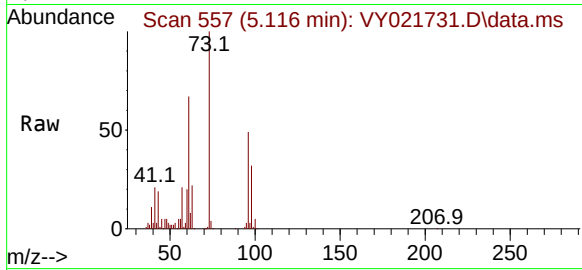
57 21.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#20

Methylene Chloride

Concen: 52.656 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Tgt Ion: 84 Resp: 152033

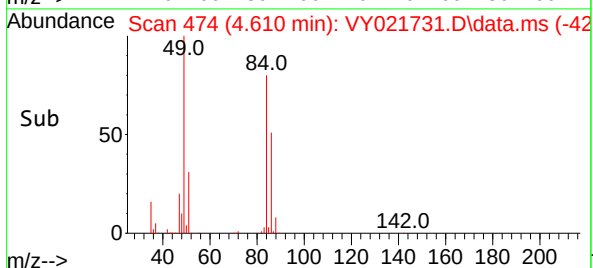
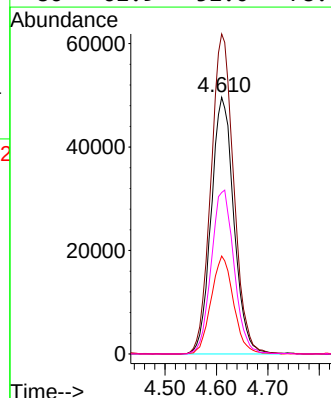
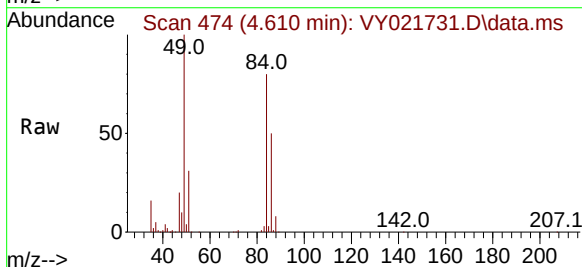
Ion Ratio Lower Upper

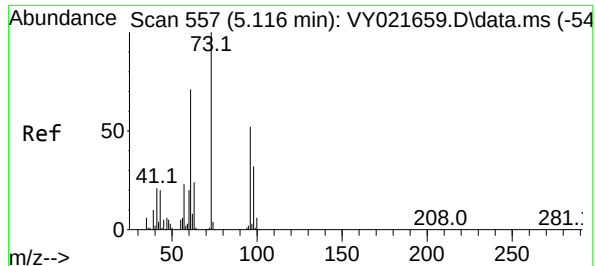
84 100

49 124.7 102.8 154.2

51 38.2 33.5 50.3

86 62.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.474 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021731.D

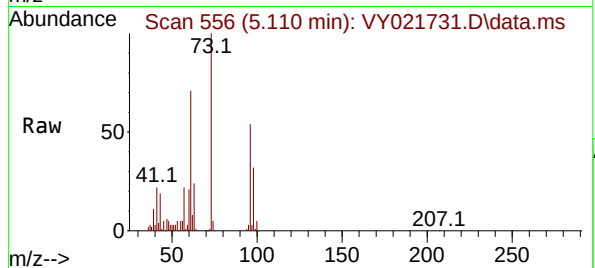
Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 15571

Ion Ratio Lower Upper

96 100

61 131.7 109.4 164.0

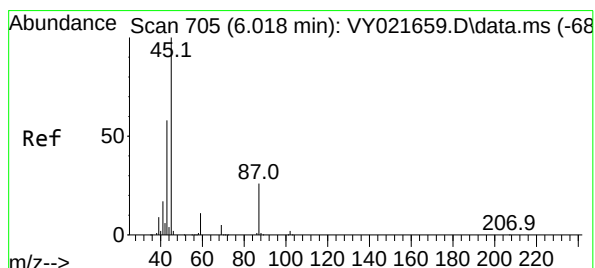
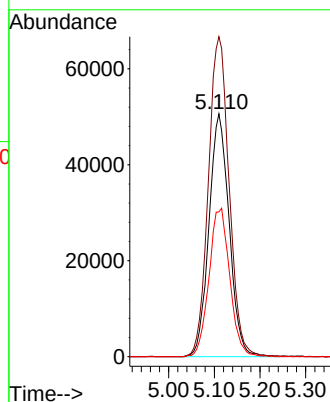
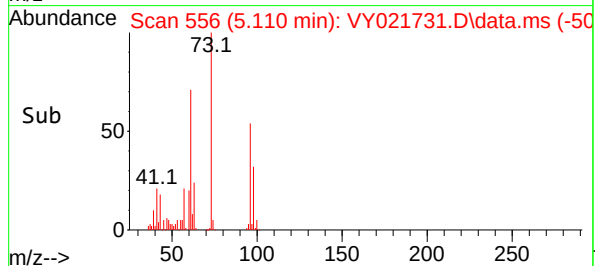
98 59.6 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#22

Diisopropyl ether

Concen: 49.759 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Tgt Ion: 45 Resp: 466330

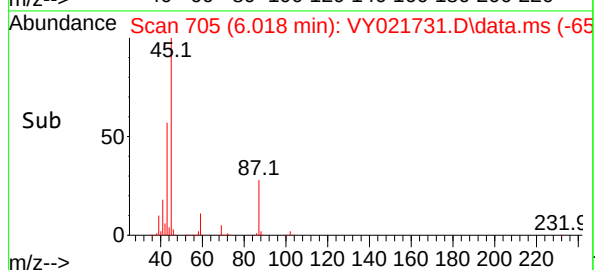
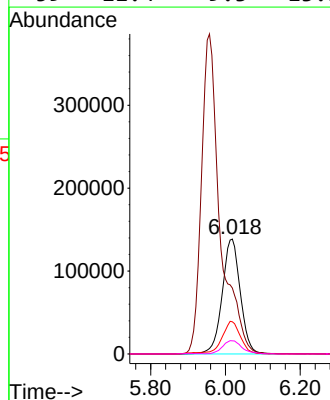
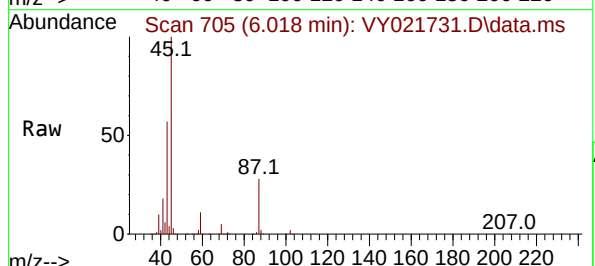
Ion Ratio Lower Upper

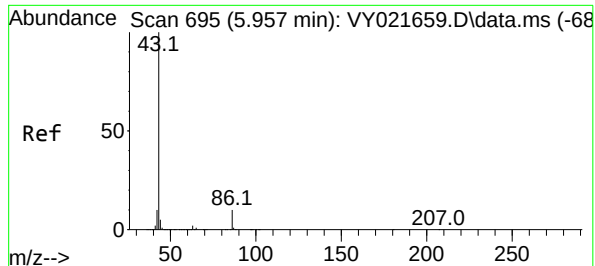
45 100

43 57.3 46.6 69.8

87 28.1 20.7 31.1

59 11.4 9.3 13.9





#23

Vinyl Acetate

Concen: 244.119 ug/l

RT: 5.957 min Scan# 695

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 133838

Ion Ratio Lower Upper

43 100

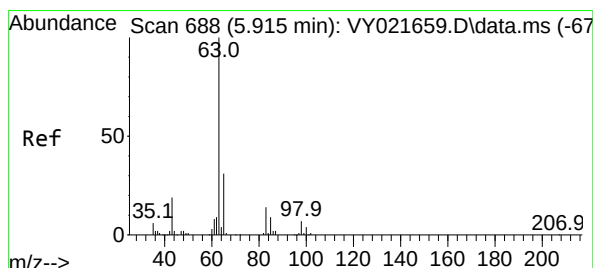
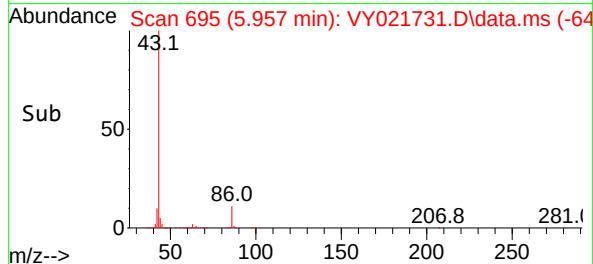
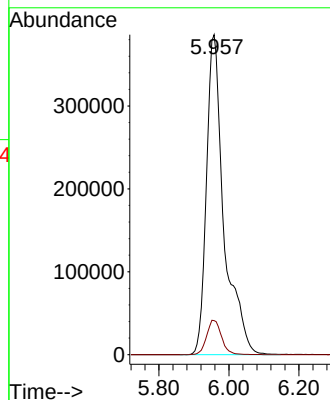
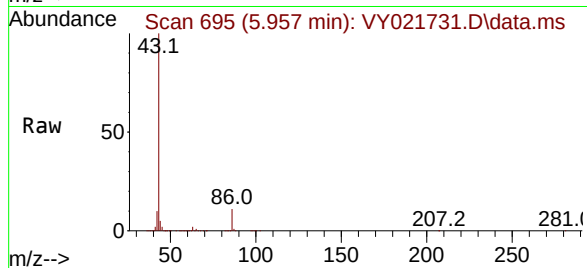
86 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#24

1,1-Dichloroethane

Concen: 49.622 ug/l

RT: 5.915 min Scan# 688

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

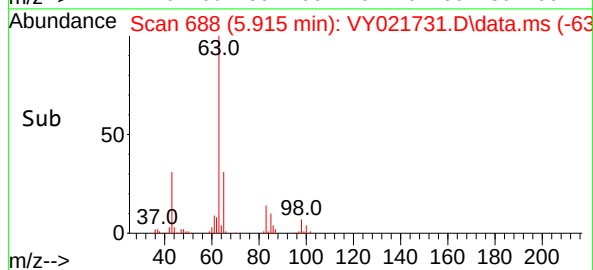
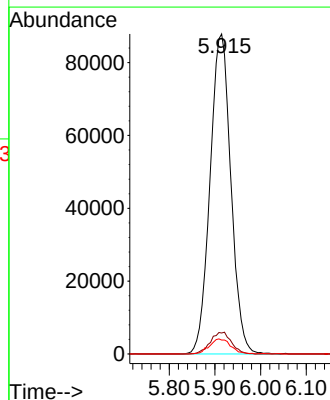
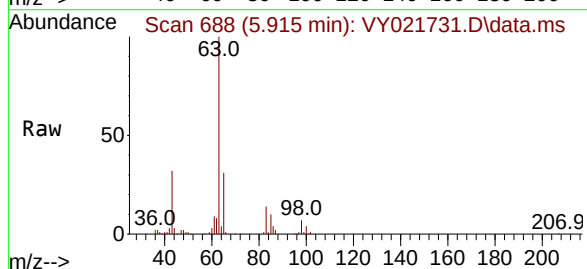
Tgt Ion: 63 Resp: 278076

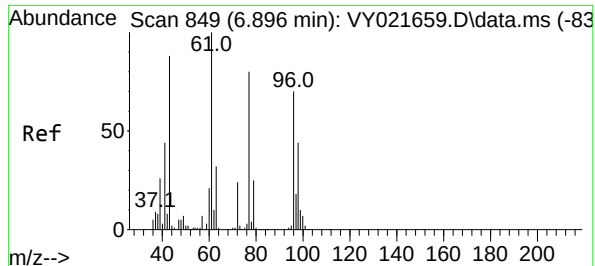
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 224.955 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 190328

Ion Ratio Lower Upper

43 100

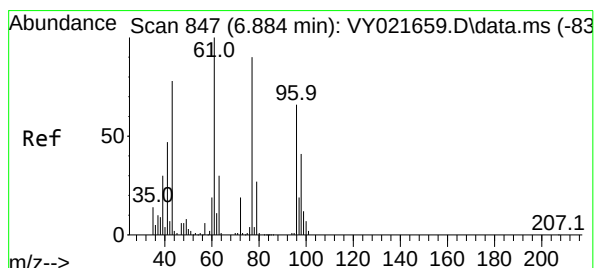
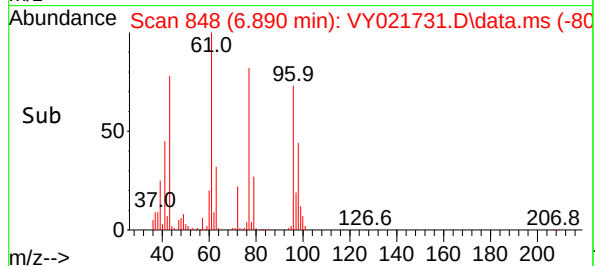
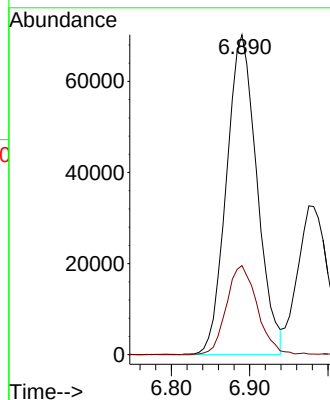
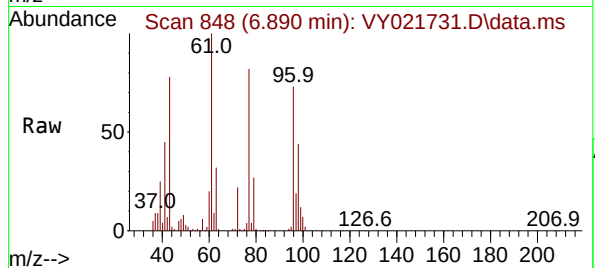
72 27.8 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#26

2,2-Dichloropropane

Concen: 49.566 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY021731.D

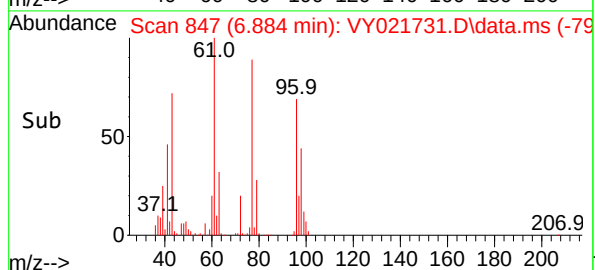
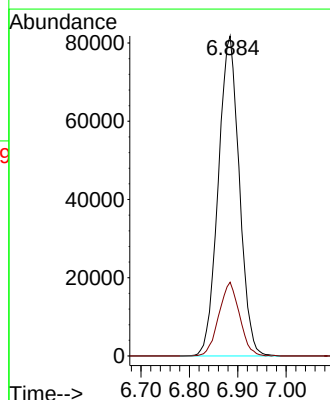
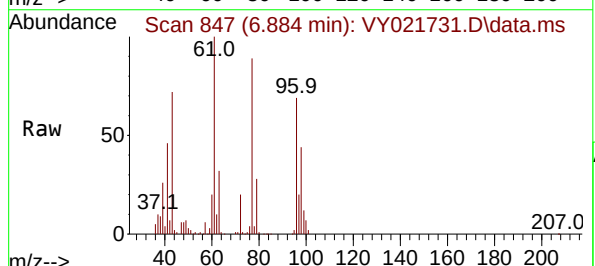
Acq: 01 Apr 2025 10:13

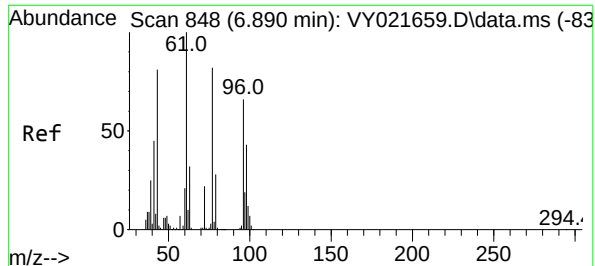
Tgt Ion: 77 Resp: 247075

Ion Ratio Lower Upper

77 100

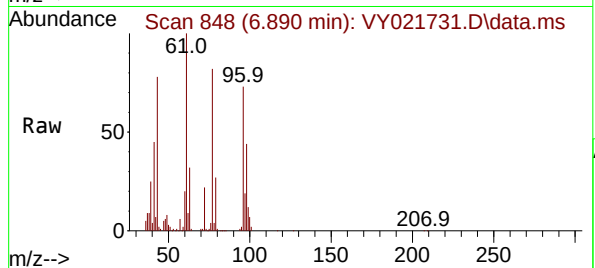
97 22.8 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 51.514 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: VY021731.D
 Acq: 01 Apr 2025 10:13

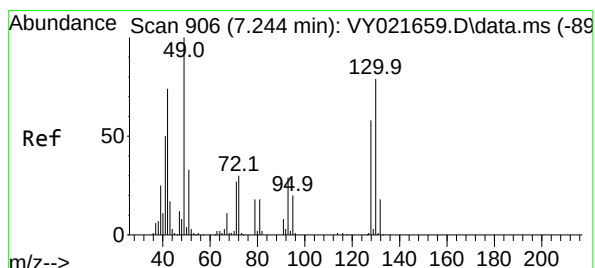
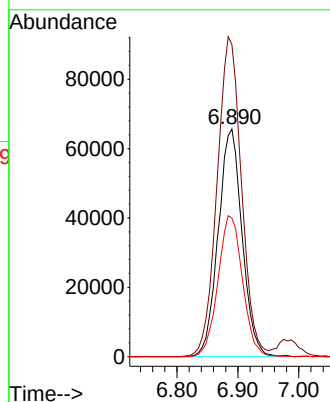
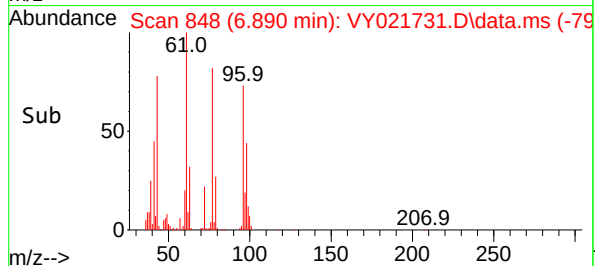
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 17872
 Ion Ratio Lower Upper
 96 100
 61 143.5 0.0 296.4
 98 63.5 0.0 128.0

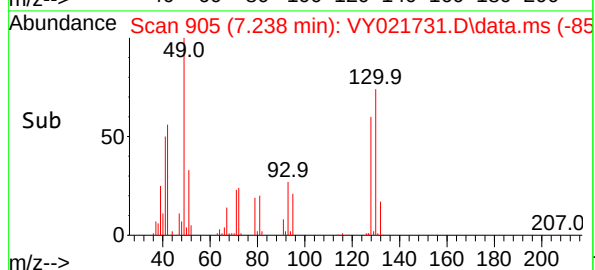
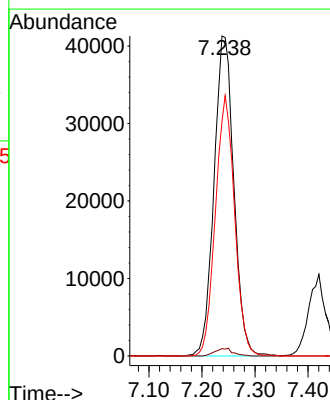
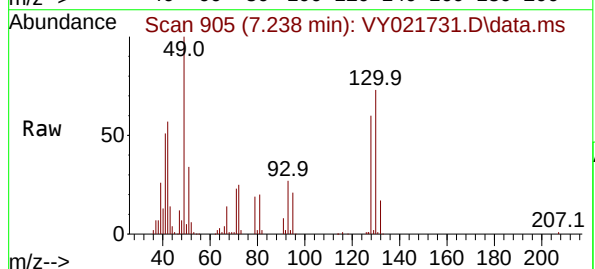
Manual Integrations
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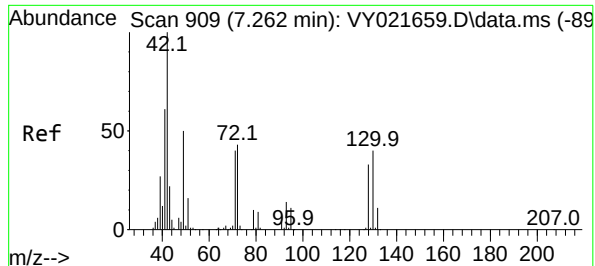
Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025



#28
 Bromochloromethane
 Concen: 45.407 ug/l
 RT: 7.238 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY021731.D
 Acq: 01 Apr 2025 10:13

Tgt Ion: 49 Resp: 107313
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.4
 130 78.7 60.1 90.1





#29

Tetrahydrofuran

Concen: 238.865 ug/l

RT: 7.256 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 13006

Ion Ratio Lower Upper

42 100

72 44.7 34.6 52.0

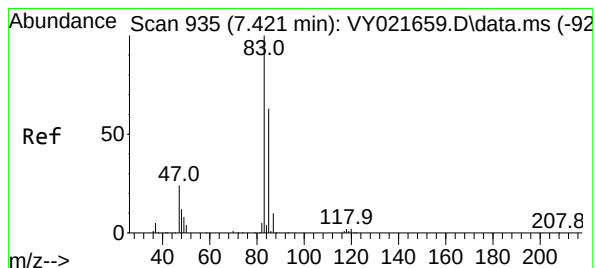
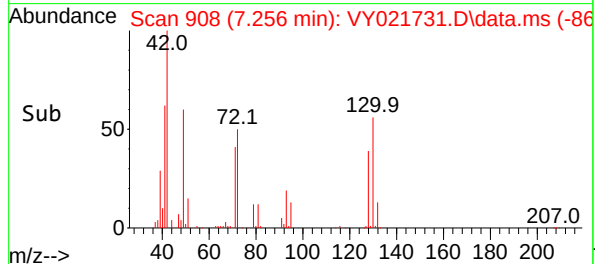
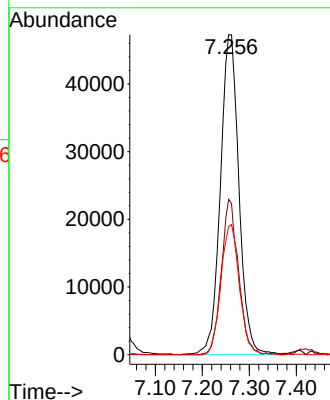
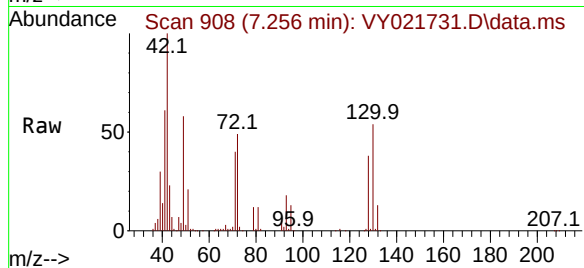
71 40.5 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#30

Chloroform

Concen: 49.822 ug/l

RT: 7.414 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY021731.D

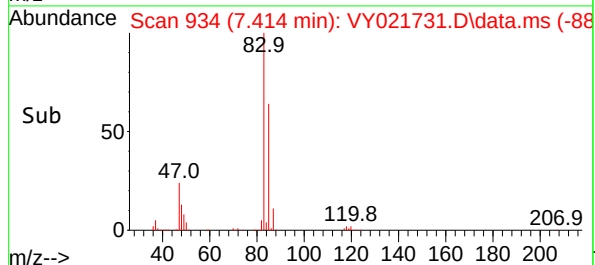
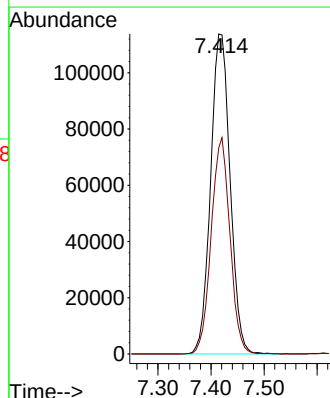
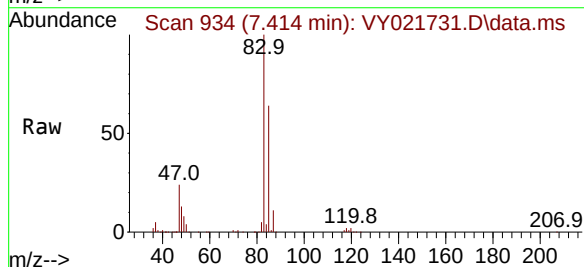
Acq: 01 Apr 2025 10:13

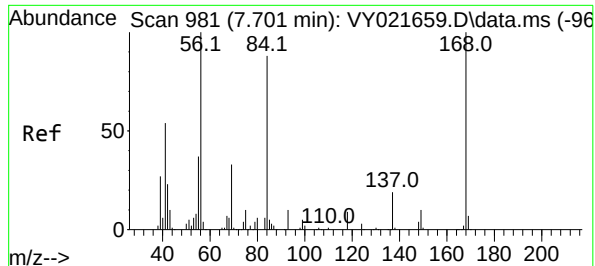
Tgt Ion: 83 Resp: 290391

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8





#31

Cyclohexane

Concen: 47.893 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 24465

Ion Ratio Lower Upper

56 100

69 32.9 26.6 40.0

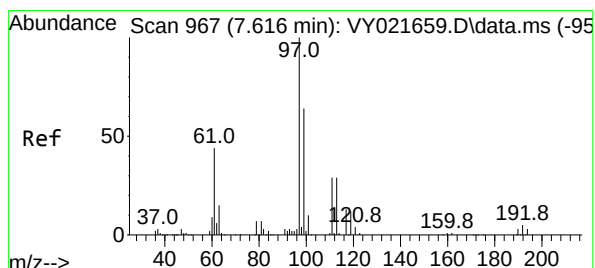
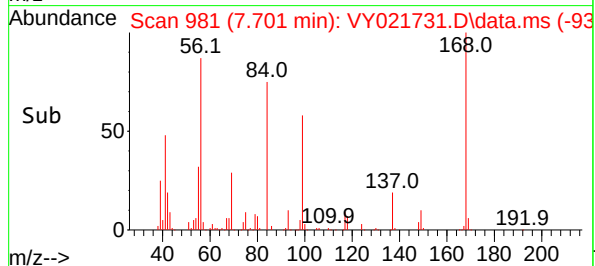
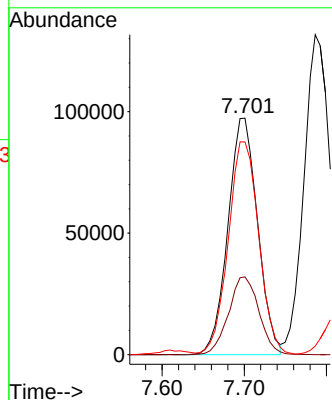
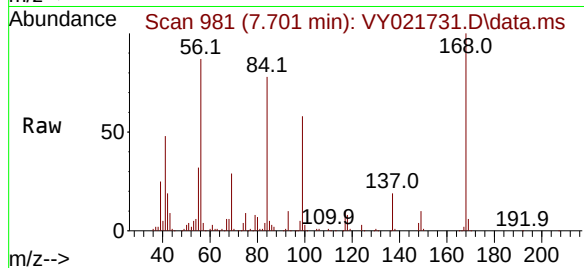
84 88.3 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#32

1,1,1-Trichloroethane

Concen: 49.940 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

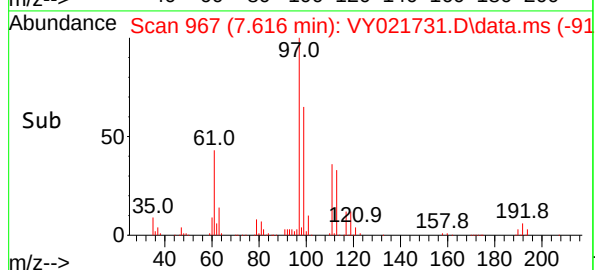
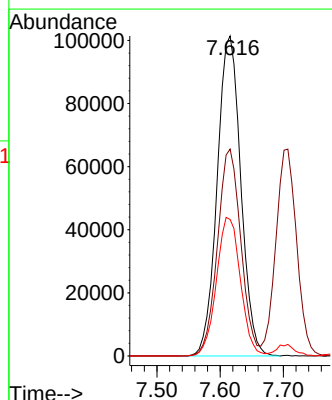
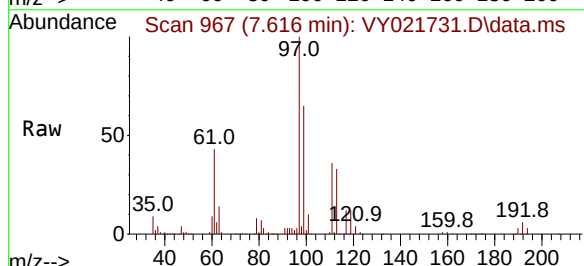
Tgt Ion: 97 Resp: 263084

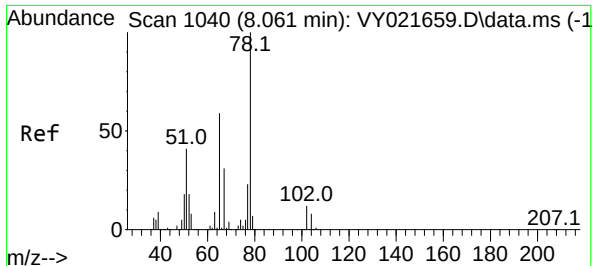
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

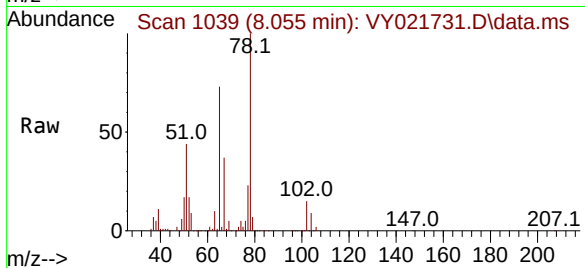
61 43.9 35.2 52.8





#33
1,2-Dichloroethane-d4
Concen: 47.014 ug/l
RT: 8.055 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

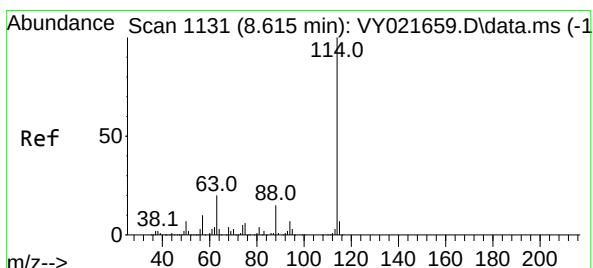
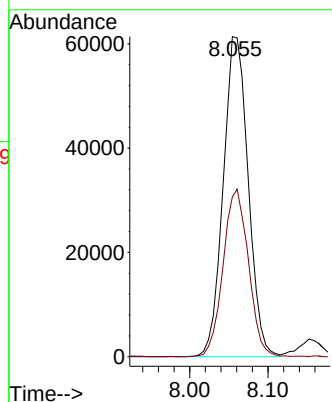
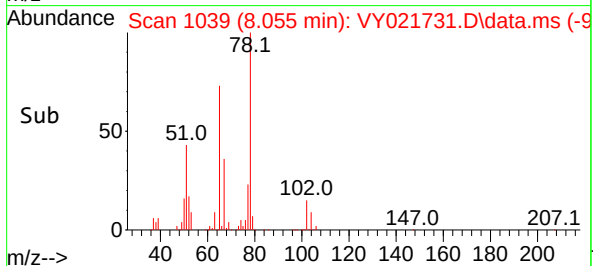
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 65 Resp: 136079
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.6

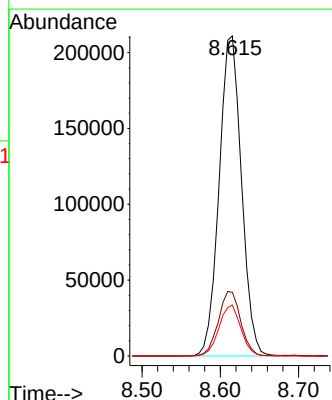
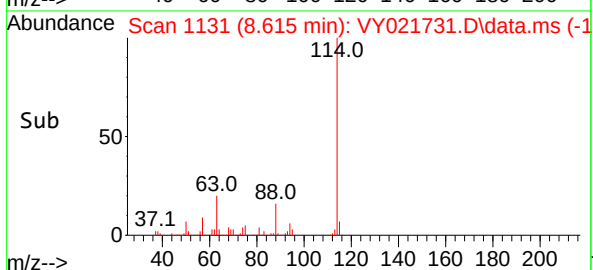
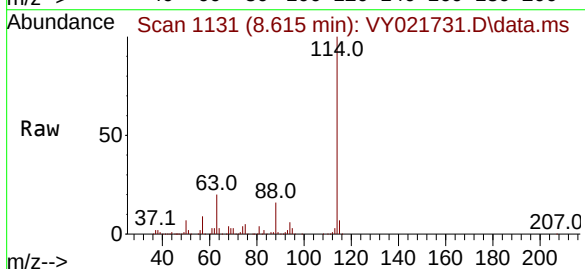
Manual Integrations
APPROVED

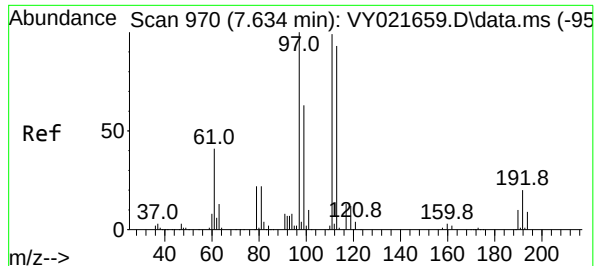
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion:114 Resp: 417982
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.2
88 15.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.401 ug/l

RT: 7.628 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 133944

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

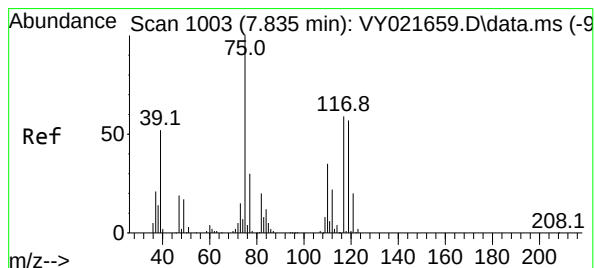
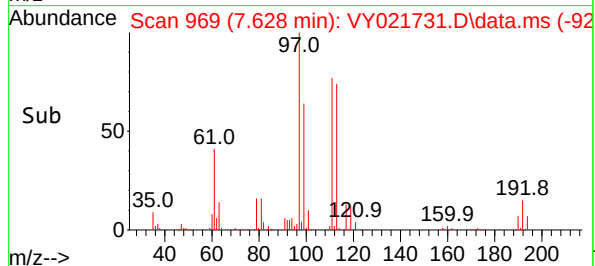
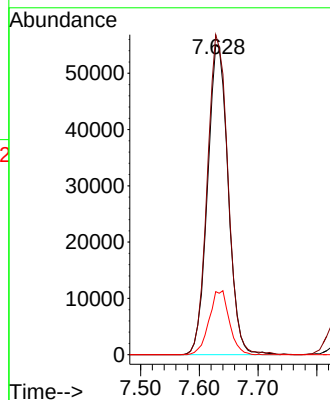
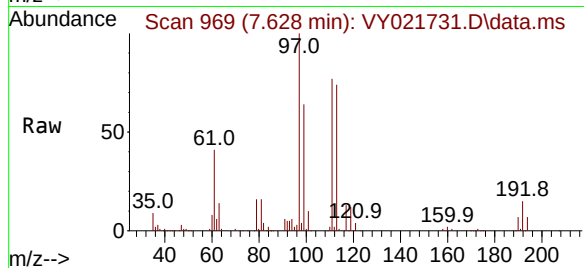
192 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#36

1,1-Dichloropropene

Concen: 50.689 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

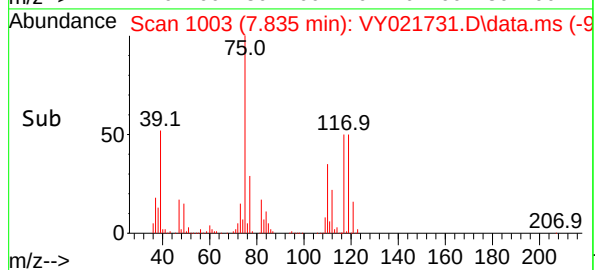
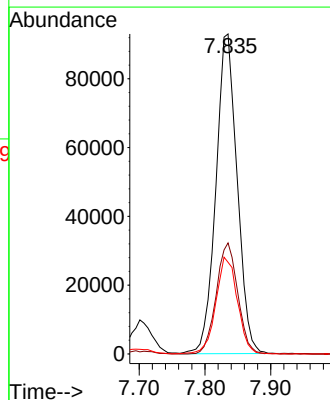
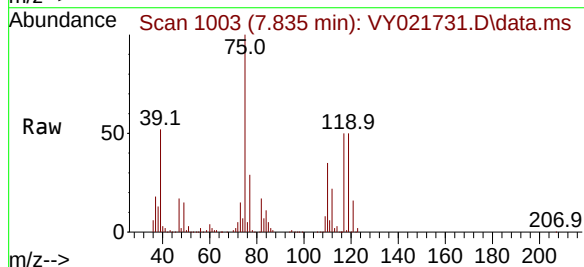
Tgt Ion: 75 Resp: 209338

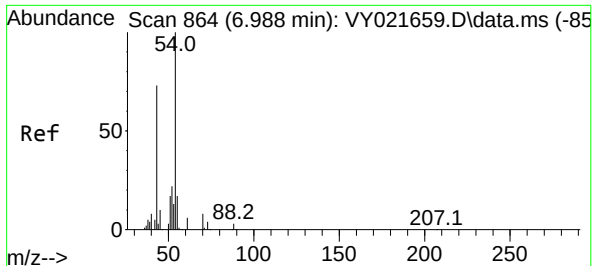
Ion Ratio Lower Upper

75 100

110 35.0 17.0 50.9

77 30.8 24.8 37.2





#37

Ethyl Acetate

Concen: 46.847 ug/l

RT: 6.975 min Scan# 80

Delta R.T. -0.012 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 9130

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.6

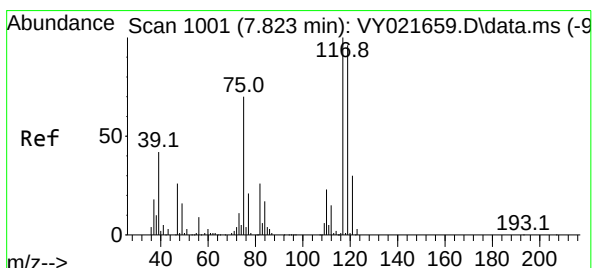
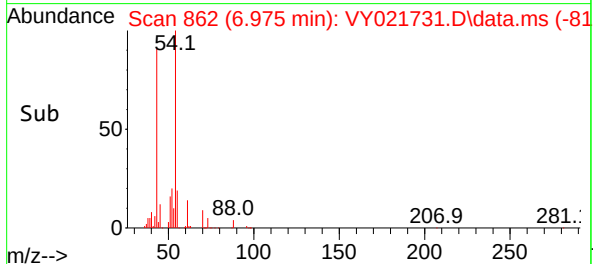
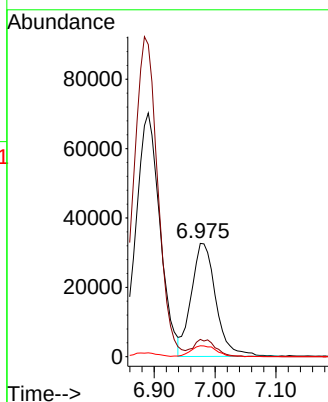
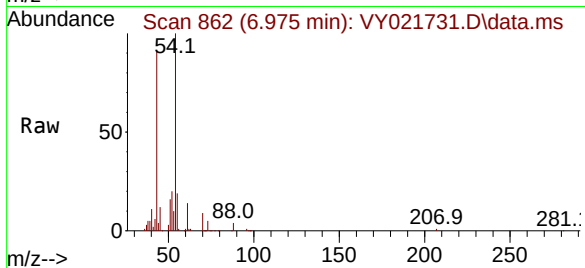
70 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#38

Carbon Tetrachloride

Concen: 51.515 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

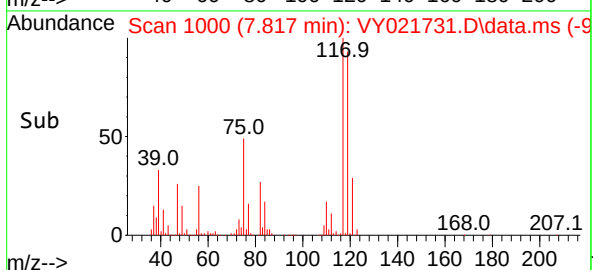
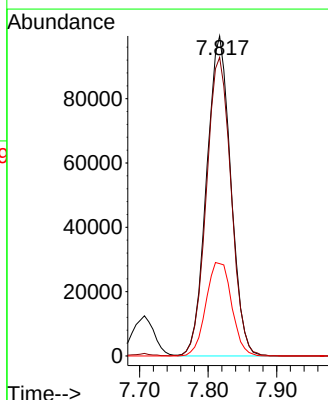
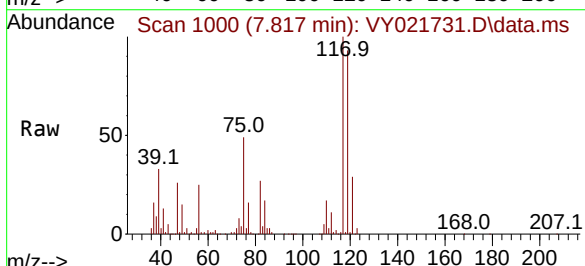
Tgt Ion:117 Resp: 243670

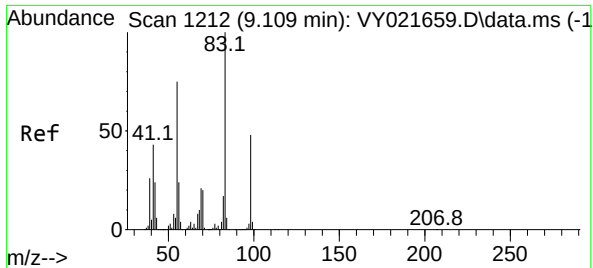
Ion Ratio Lower Upper

117 100

119 93.3 76.2 114.4

121 28.9 24.2 36.4





#39

Methylcyclohexane

Concen: 53.177 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 262352

Ion Ratio Lower Upper

83 100

55 73.8 59.7 89.5

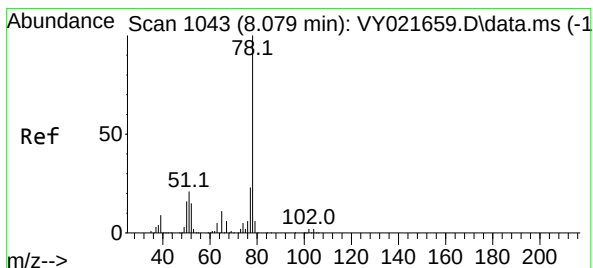
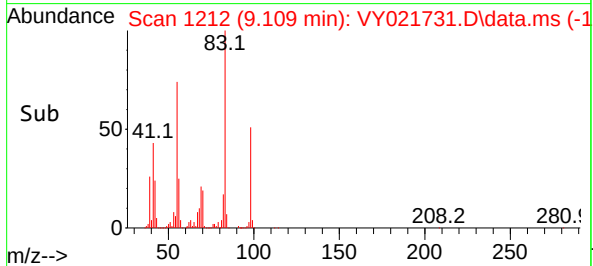
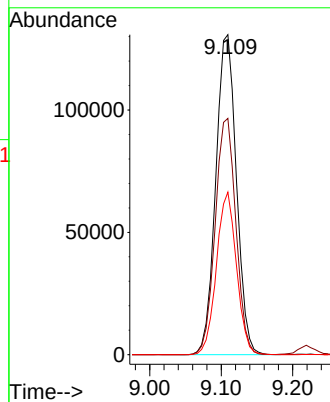
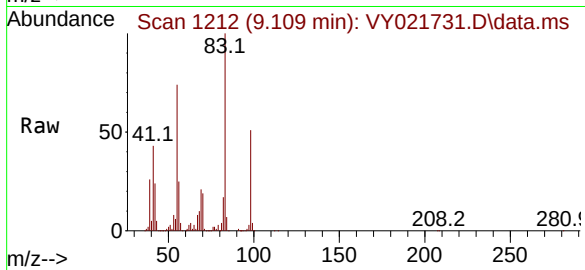
98 50.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#40

Benzene

Concen: 50.353 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY021731.D

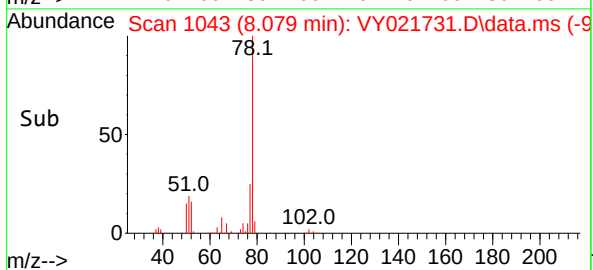
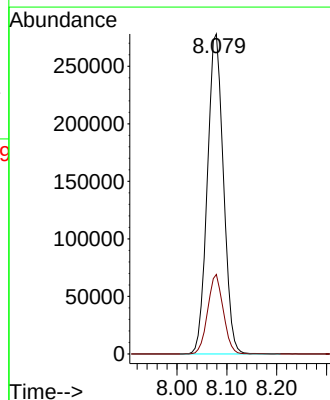
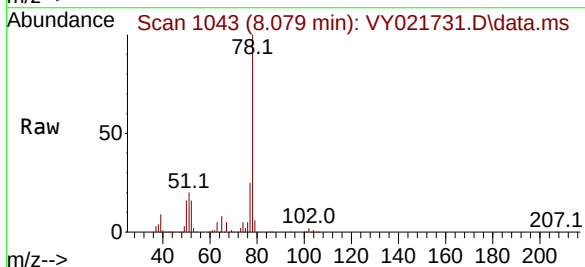
Acq: 01 Apr 2025 10:13

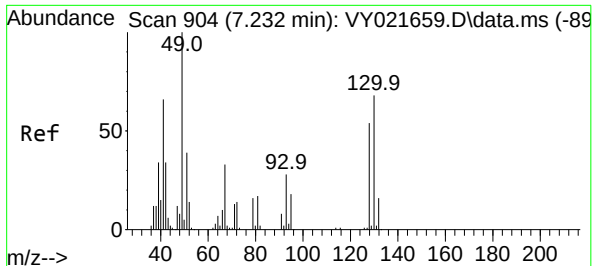
Tgt Ion: 78 Resp: 622767

Ion Ratio Lower Upper

78 100

77 24.8 18.8 28.2





#41

Methacrylonitrile

Concen: 48.231 ug/l

RT: 7.213 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 4992

Ion Ratio Lower Upper

41 100

39 63.4 0.0 0.0

67 78.5 0.0 0.0

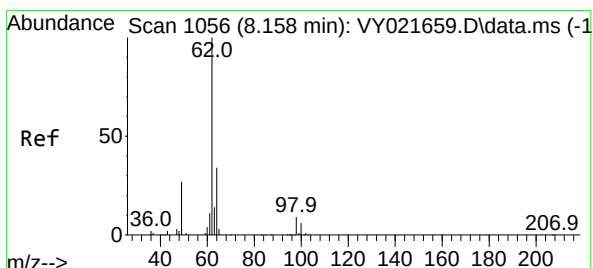
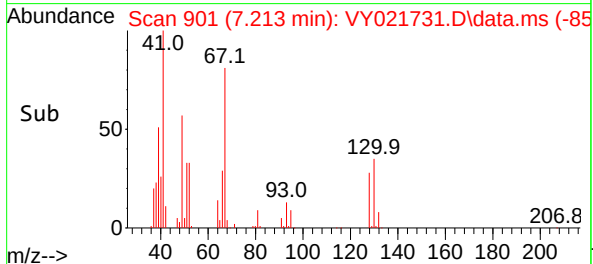
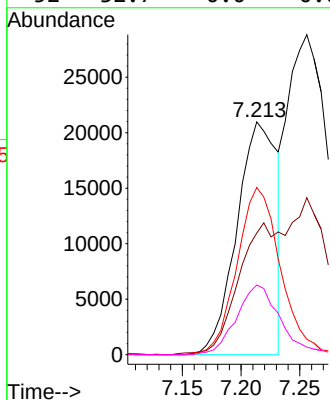
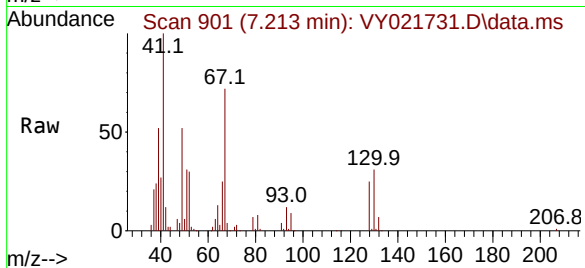
52 32.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#42

1,2-Dichloroethane

Concen: 48.971 ug/l

RT: 8.152 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VY021731.D

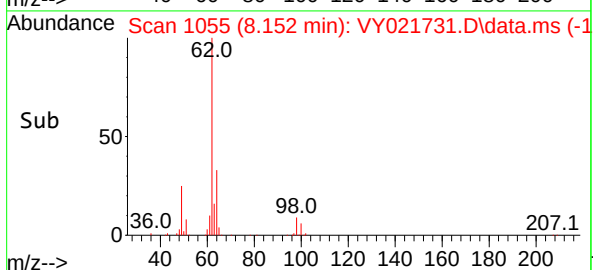
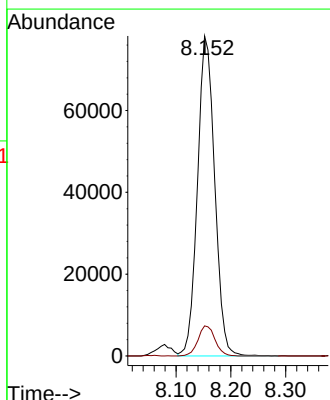
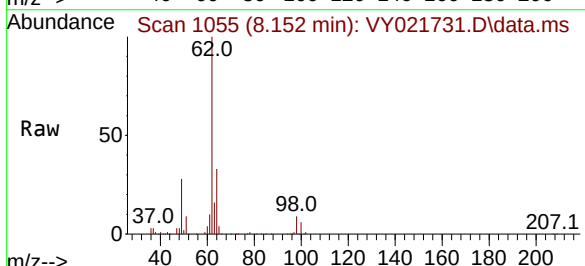
Acq: 01 Apr 2025 10:13

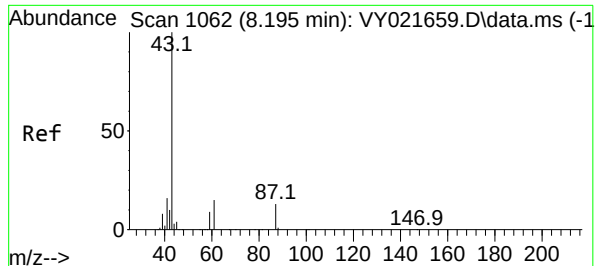
Tgt Ion: 62 Resp: 170747

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 48.688 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 17983

Ion Ratio Lower Upper

43

100

61

19.3

87

13.6

15.9

10.4

23.9

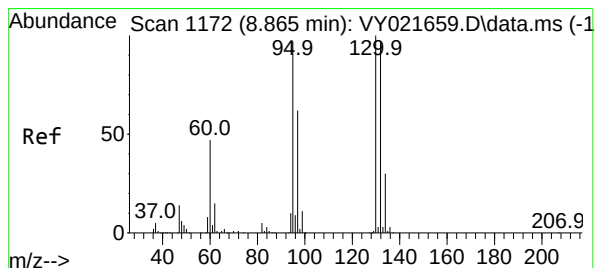
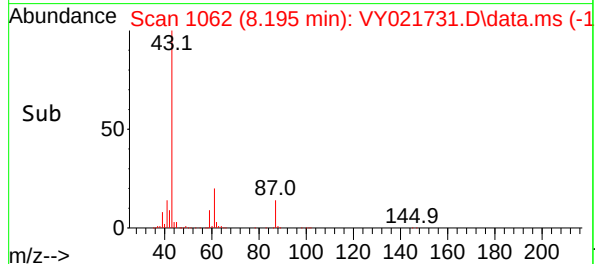
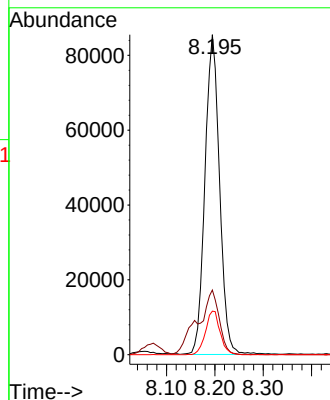
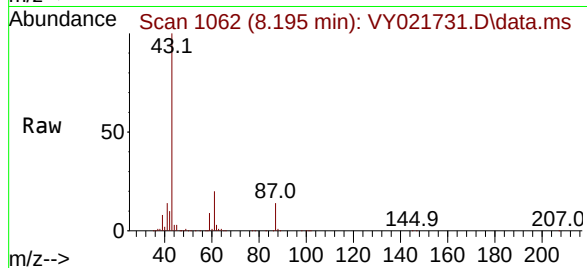
15.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#44

Trichloroethene

Concen: 51.597 ug/l

RT: 8.859 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Tgt Ion:130 Resp: 162593

Ion Ratio Lower Upper

130

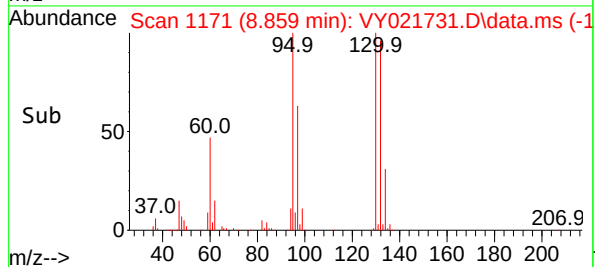
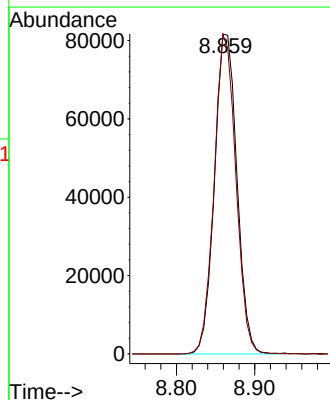
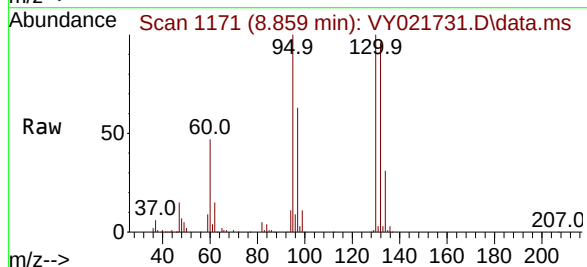
100

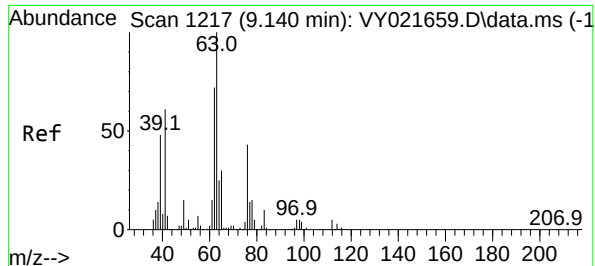
95

99.8

0.0

194.8





#45

1,2-Dichloropropane

Concen: 50.563 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 14802

Ion Ratio Lower Upper

63 100

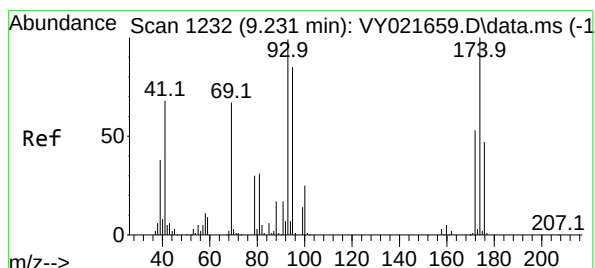
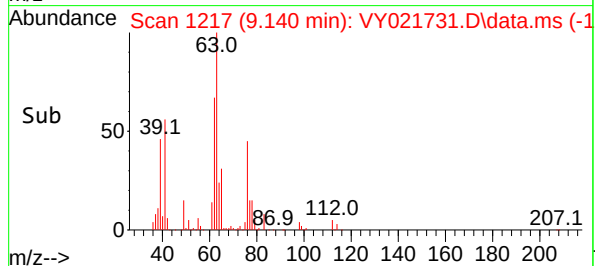
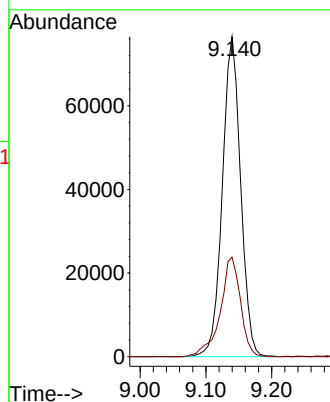
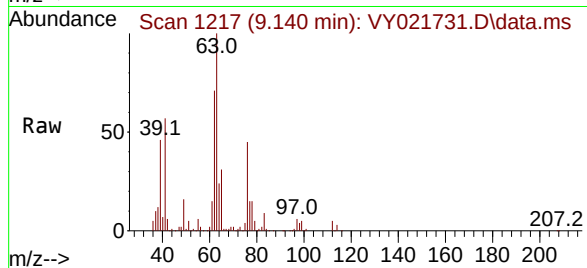
65 31.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#46

Dibromomethane

Concen: 49.889 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

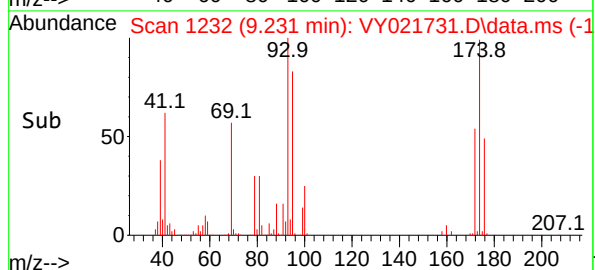
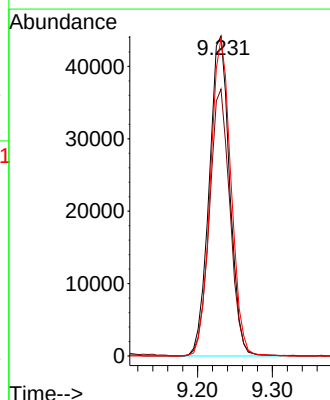
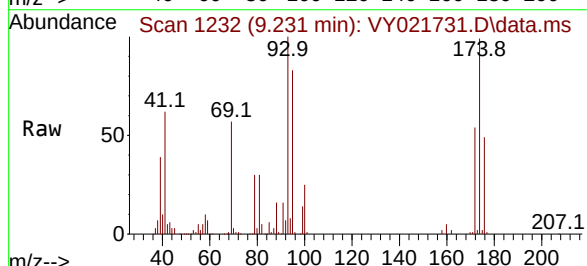
Tgt Ion: 93 Resp: 84173

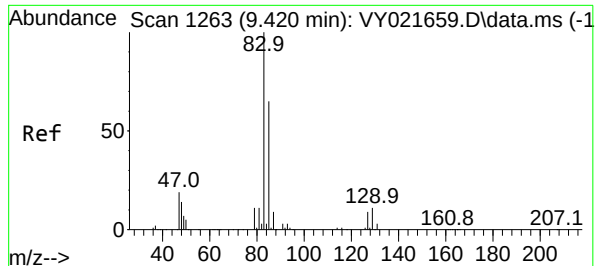
Ion Ratio Lower Upper

93 100

95 83.2 68.1 102.1

174 99.7 80.9 121.3





#47

Bromodichloromethane

Concen: 50.556 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 221020

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6

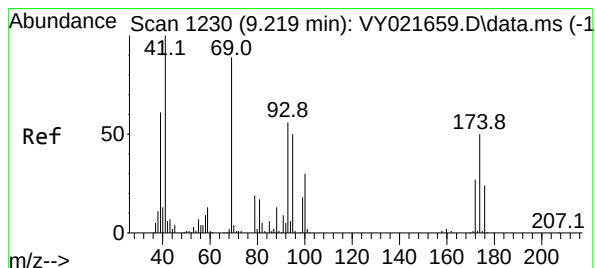
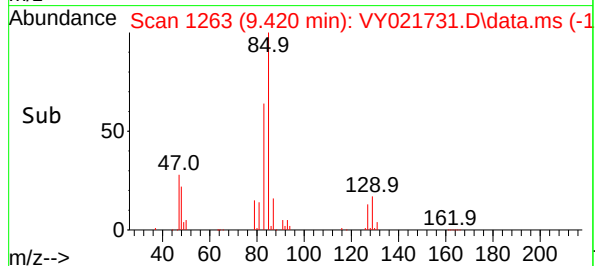
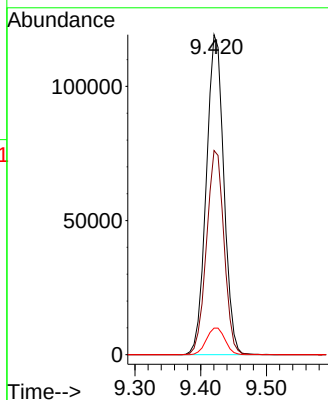
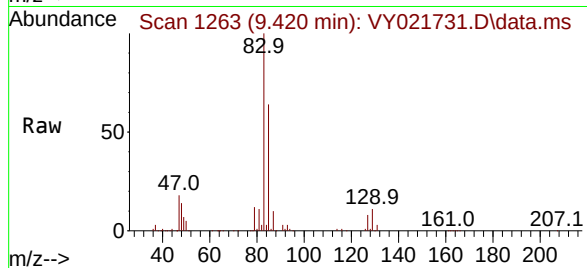
127 8.3 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#48

Methyl methacrylate

Concen: 49.779 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

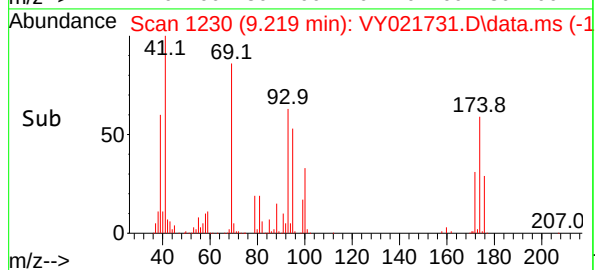
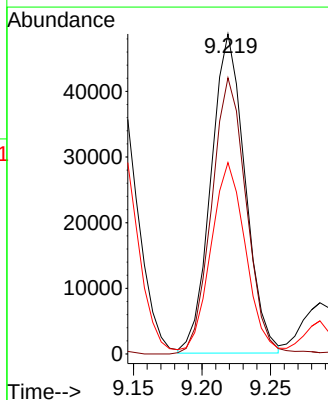
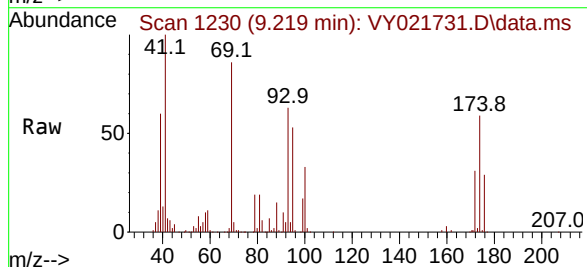
Tgt Ion: 41 Resp: 84385

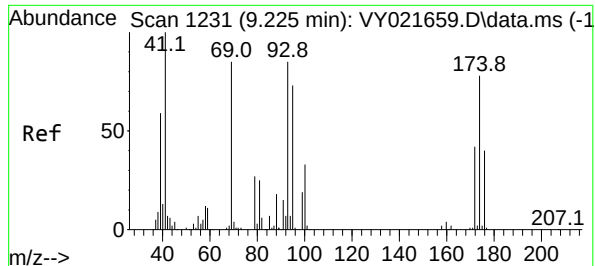
Ion Ratio Lower Upper

41 100

69 88.6 69.8 104.8

39 58.2 47.2 70.8





#49

1,4-Dioxane

Concen: 1019.727 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 1843

Ion Ratio Lower Upper

88 100

43 33.1 28.8 43.2

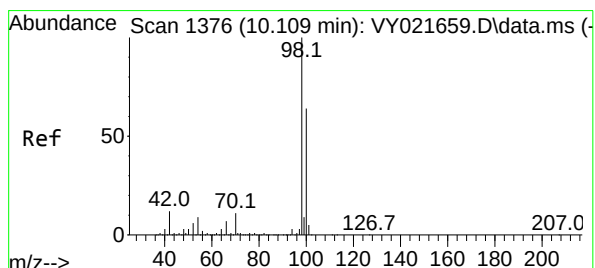
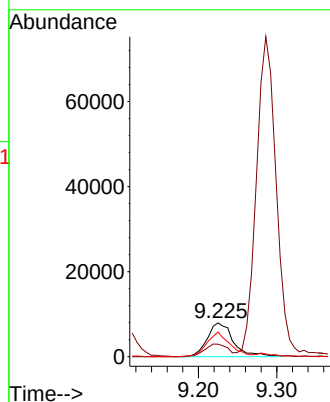
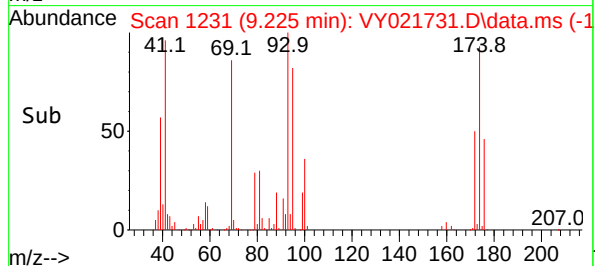
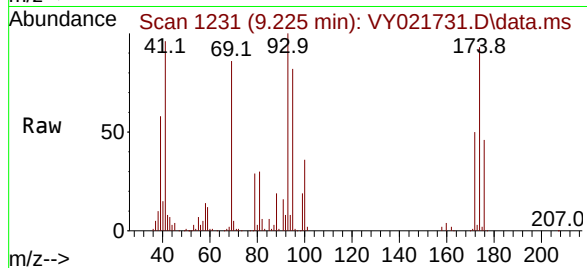
58 64.4 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#50

Toluene-d8

Concen: 49.740 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021731.D

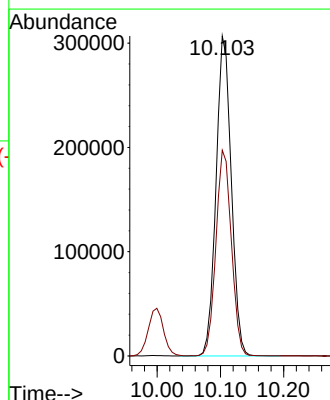
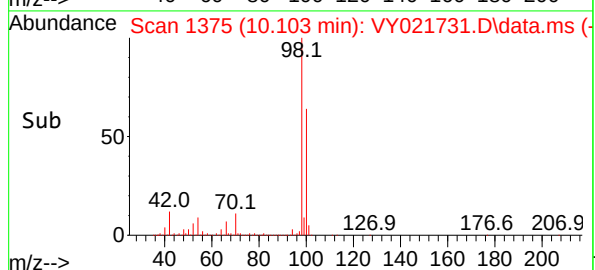
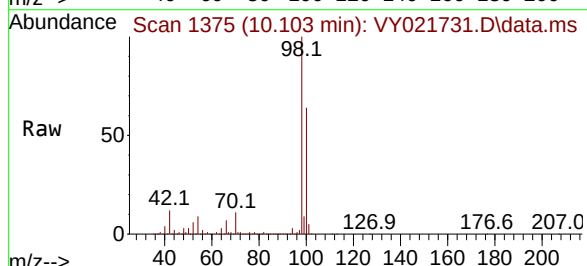
Acq: 01 Apr 2025 10:13

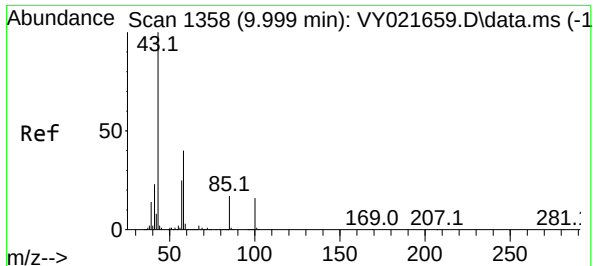
Tgt Ion: 98 Resp: 513066

Ion Ratio Lower Upper

98 100

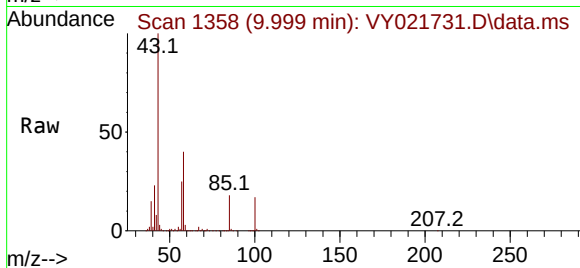
100 65.4 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 244.928 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

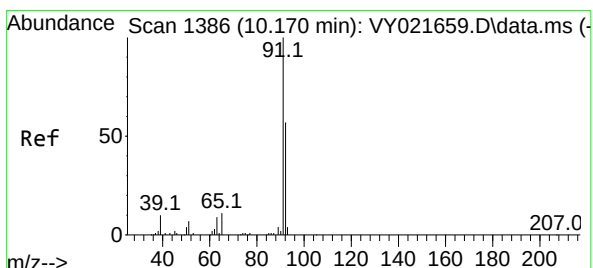
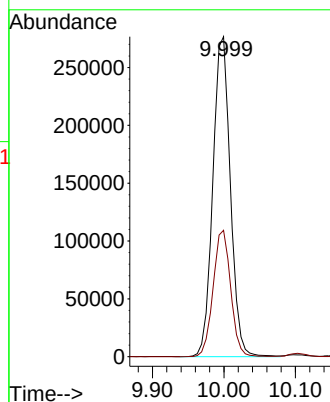
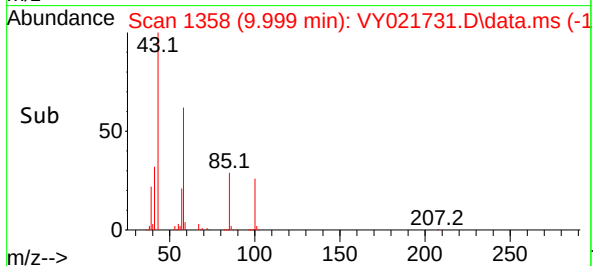
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 47078
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

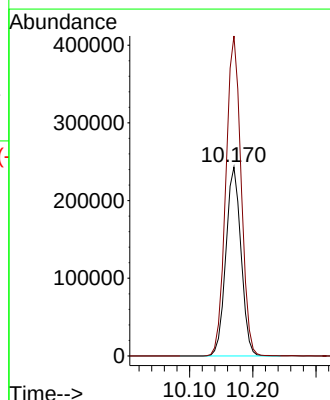
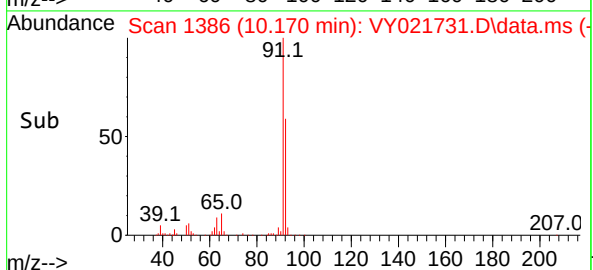
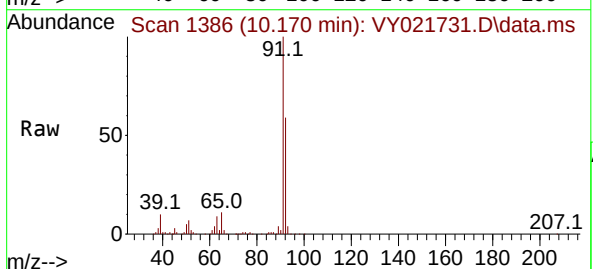
Manual Integrations
APPROVED

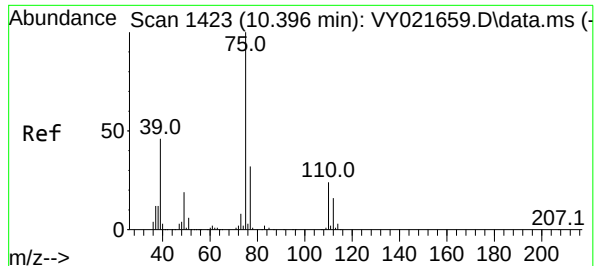
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#52
Toluene
Concen: 52.098 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion: 92 Resp: 402014
Ion Ratio Lower Upper
92 100
91 171.2 138.6 207.8





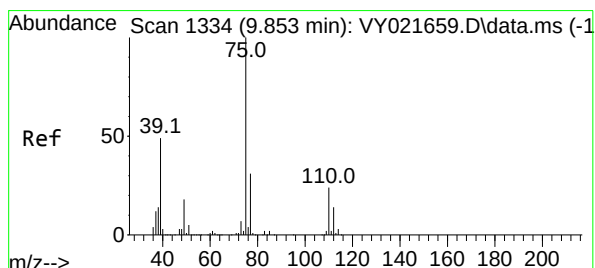
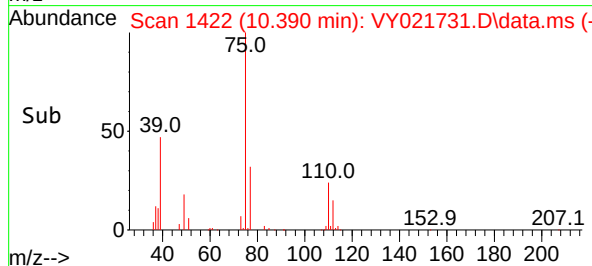
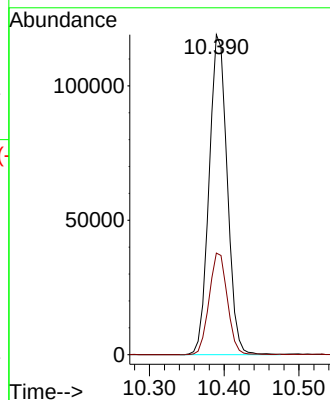
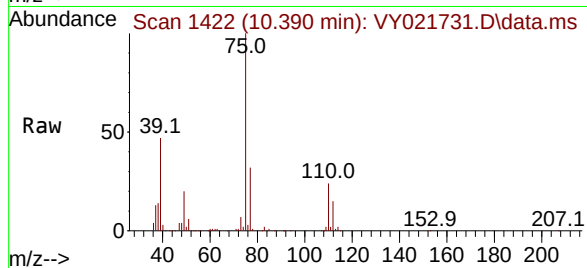
#53
t-1,3-Dichloropropene
Concen: 51.562 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 200228
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9

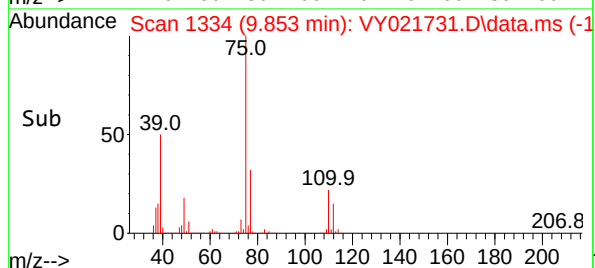
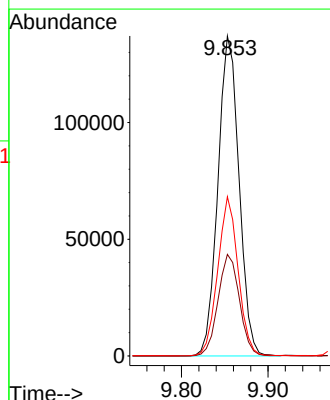
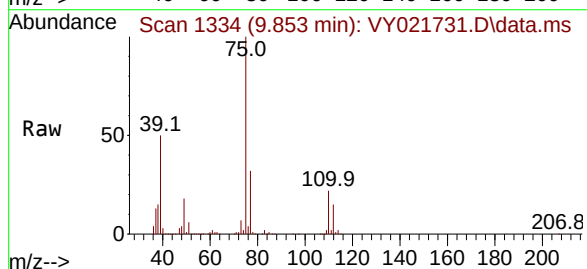
Manual Integrations
APPROVED

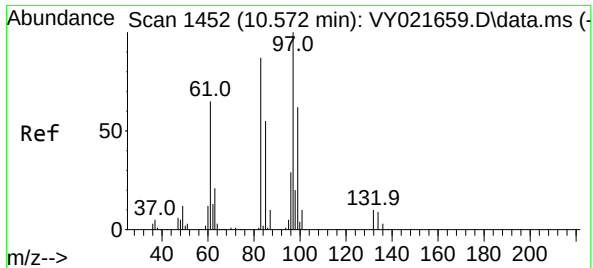
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#54
cis-1,3-Dichloropropene
Concen: 50.675 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

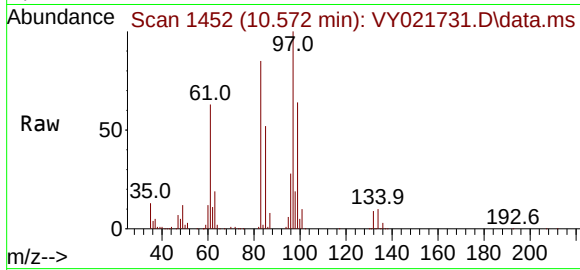
Tgt Ion: 75 Resp: 232150
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3
39 49.7 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 51.351 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

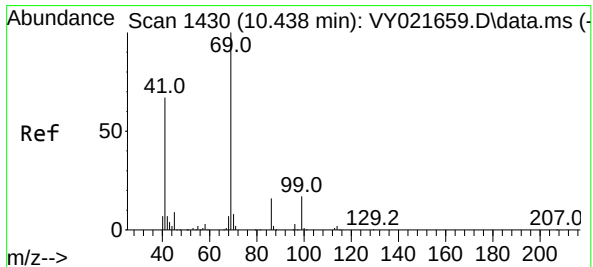
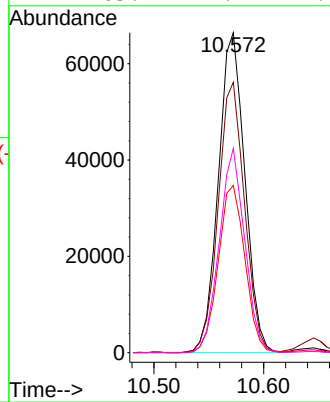
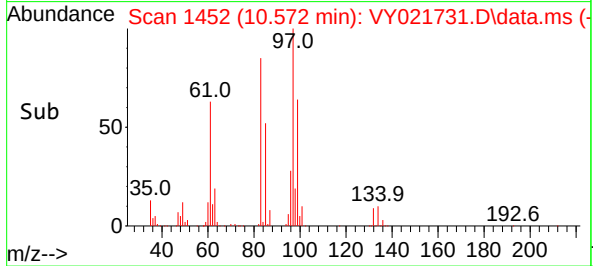
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 111490
Ion Ratio Lower Upper
97 100
83 84.5 69.5 104.3
85 52.2 43.9 65.9
99 63.9 49.9 74.9

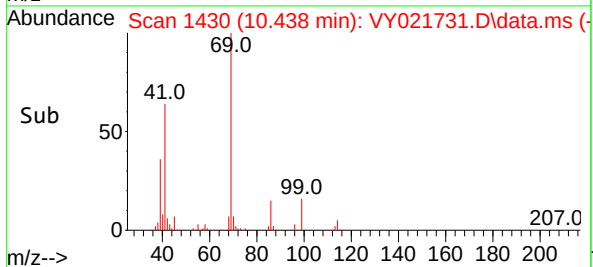
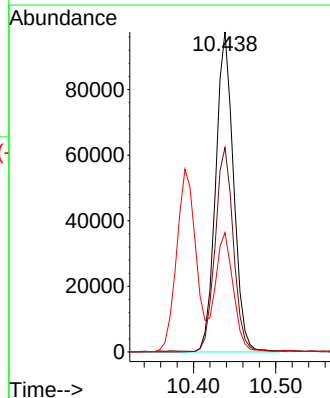
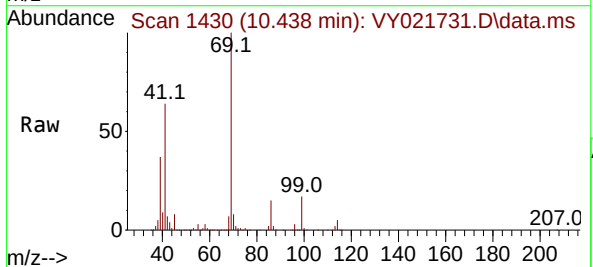
Manual Integrations
APPROVED

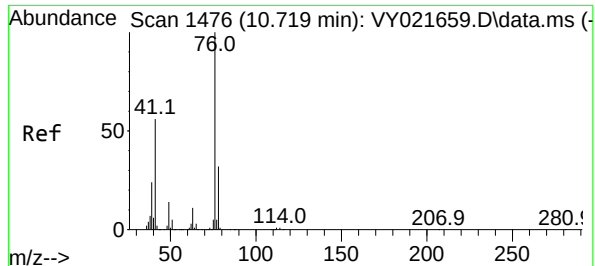
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#56
Ethyl methacrylate
Concen: 53.145 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

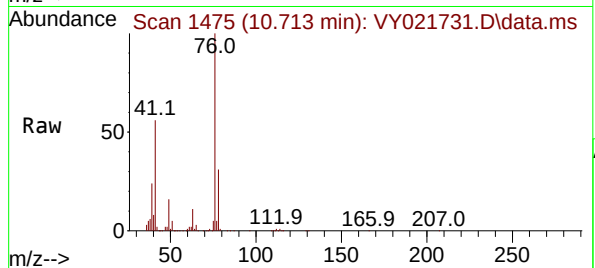
Tgt Ion: 69 Resp: 147342
Ion Ratio Lower Upper
69 100
41 64.8 53.8 80.6
39 37.5 29.6 44.4





#57
1,3-Dichloropropane
Concen: 50.545 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

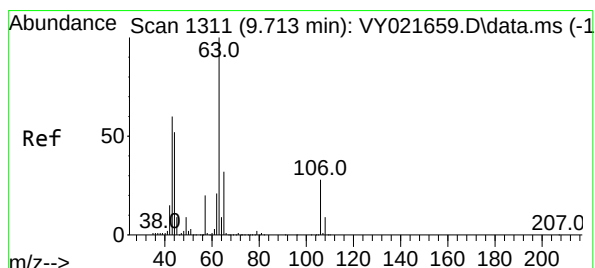
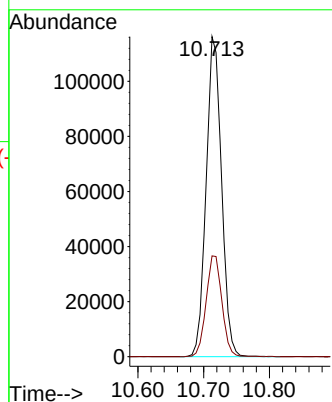
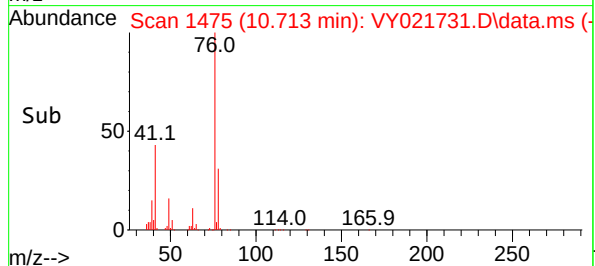
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 18953
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

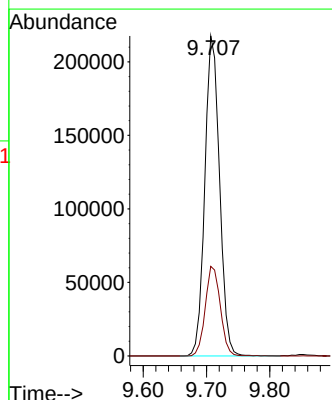
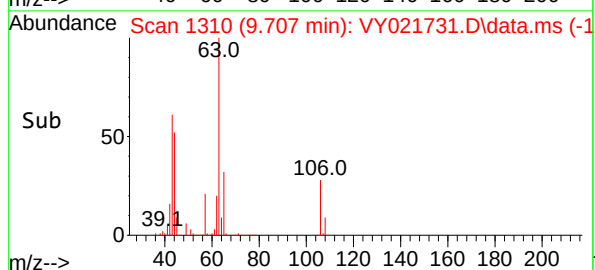
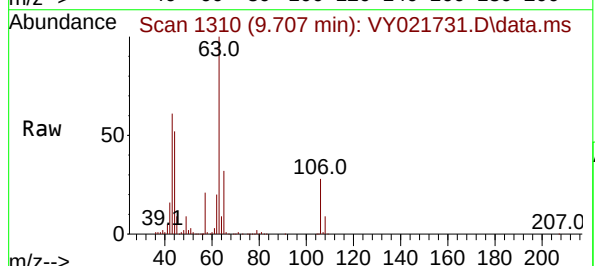
Manual Integrations
APPROVED

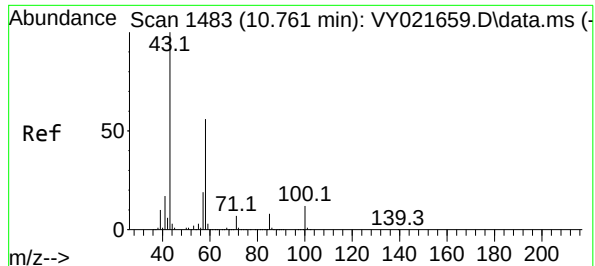
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#58
2-Chloroethyl Vinyl ether
Concen: 261.293 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion: 63 Resp: 353396
Ion Ratio Lower Upper
63 100
106 28.6 22.4 33.6





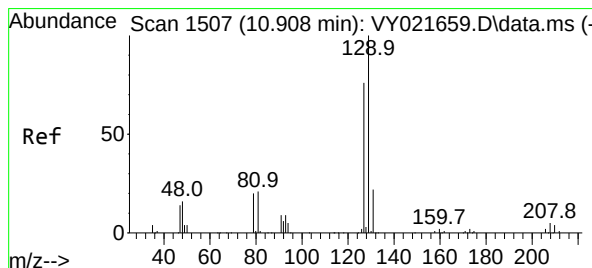
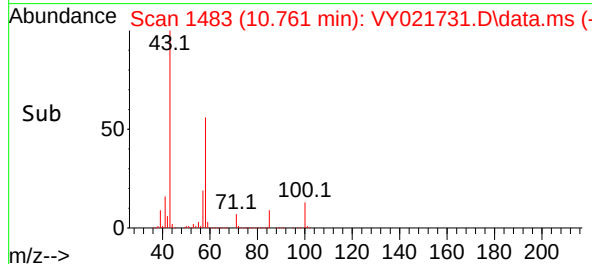
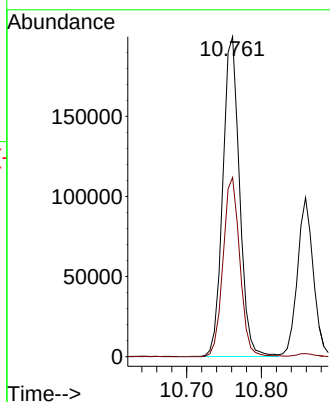
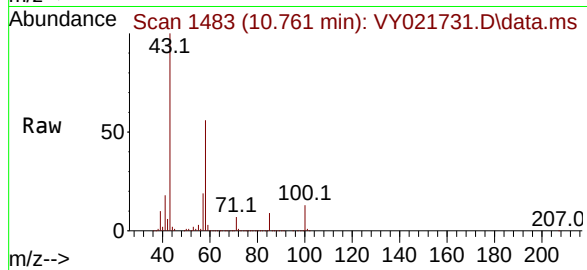
#59
2-Hexanone
Concen: 242.897 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 310930
Ion Ratio Lower Upper
43 100
58 56.2 27.2 81.5

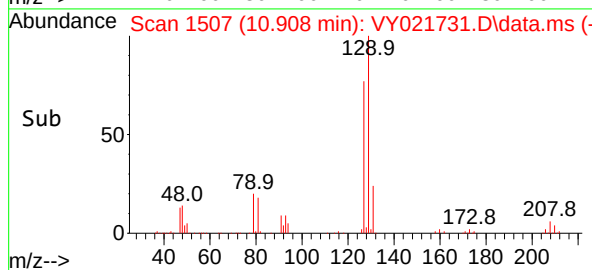
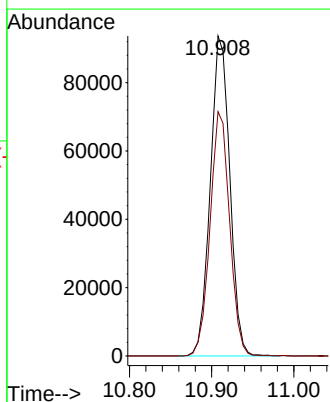
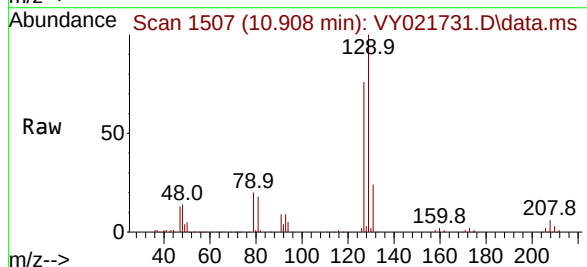
Manual Integrations
APPROVED

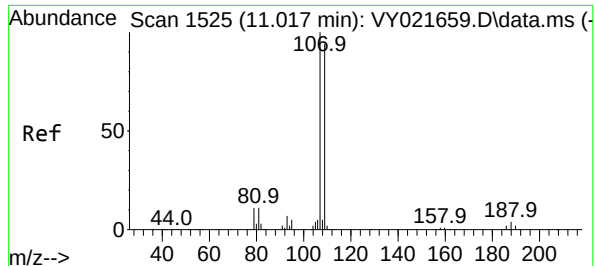
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#60
Dibromochloromethane
Concen: 52.056 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

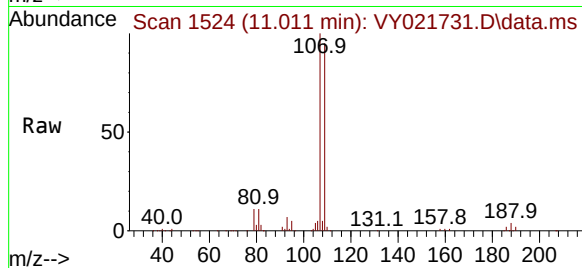
Tgt Ion:129 Resp: 154318
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





#61
1,2-Dibromoethane
Concen: 51.510 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

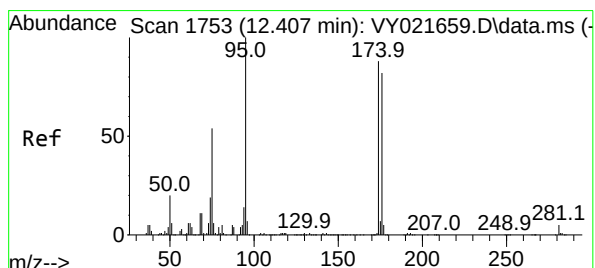
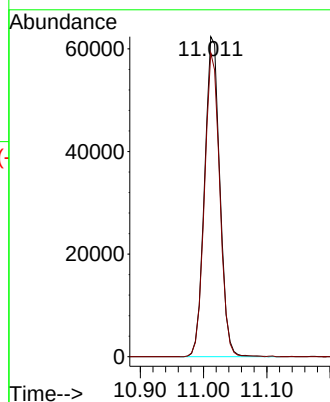
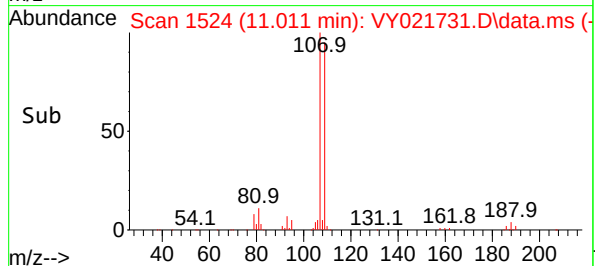
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 104915
Ion Ratio Lower Upper
107 100
109 94.8 74.4 111.6

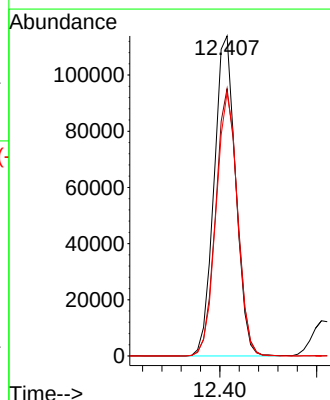
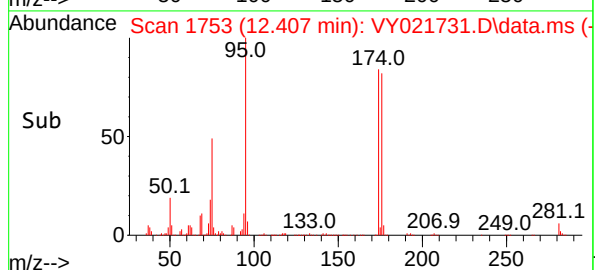
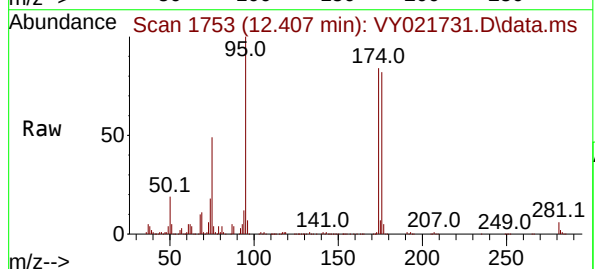
Manual Integrations
APPROVED

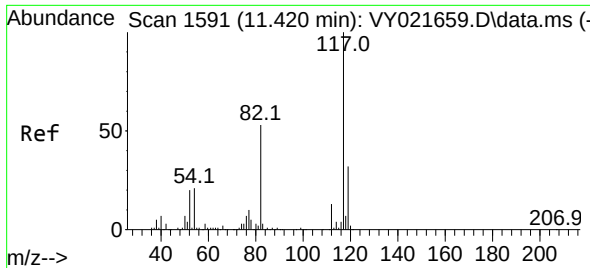
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#62
4-Bromofluorobenzene
Concen: 50.479 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

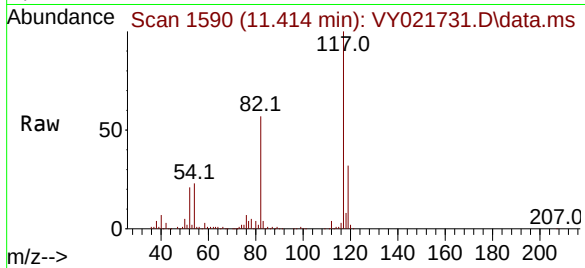
Tgt Ion: 95 Resp: 176122
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 81.6 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

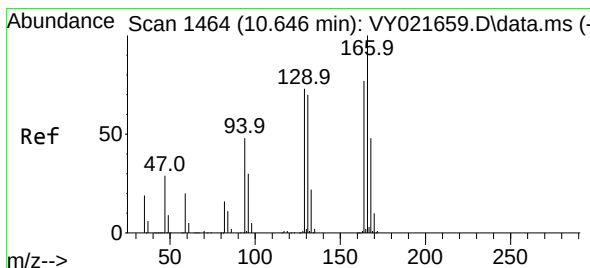
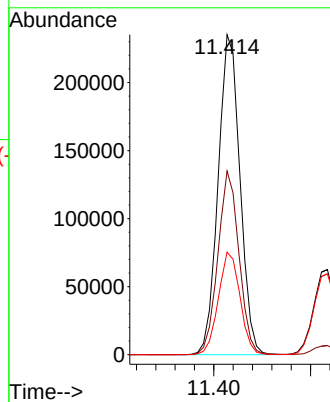
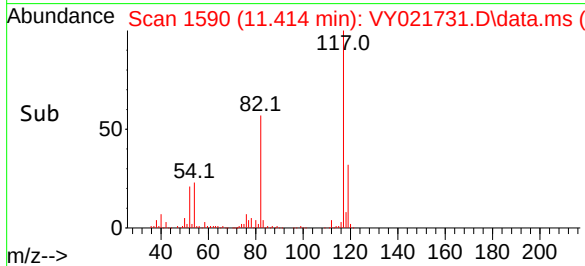
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 368359
Ion Ratio Lower Upper
117 100
82 57.4 42.8 64.2
119 32.1 25.7 38.5

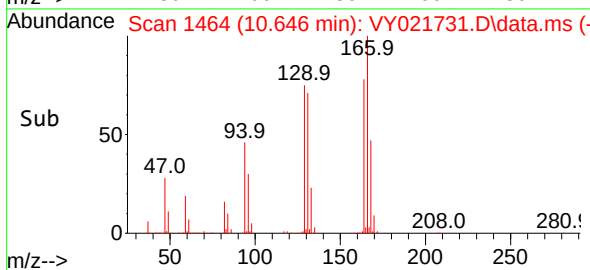
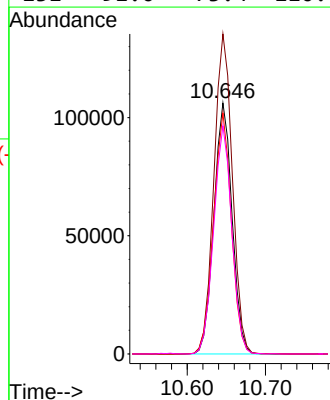
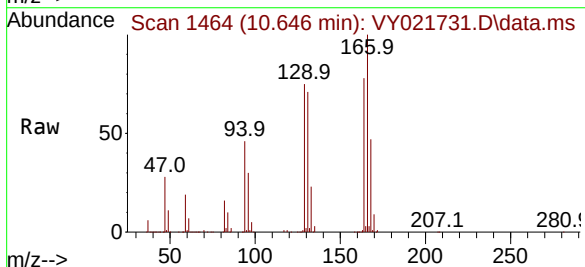
Manual Integrations
APPROVED

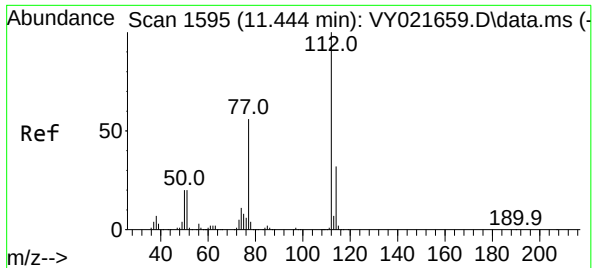
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#64
Tetrachloroethene
Concen: 51.108 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

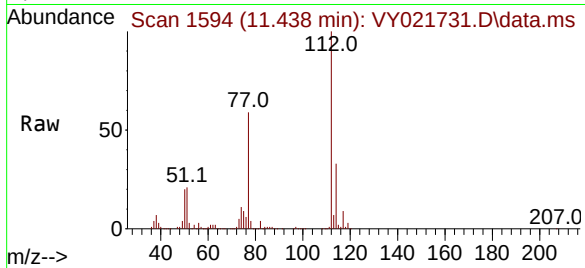
Tgt Ion:164 Resp: 171463
Ion Ratio Lower Upper
164 100
166 127.6 104.6 156.8
129 96.1 76.6 114.8
131 91.0 73.4 110.0





#65
Chlorobenzene
Concen: 50.741 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

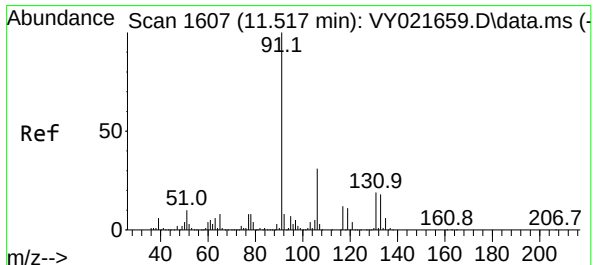
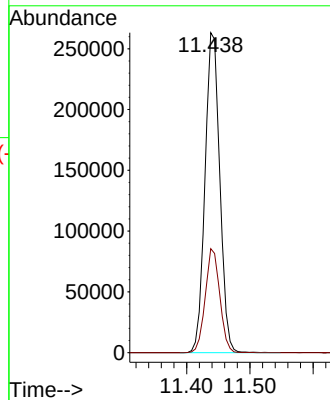
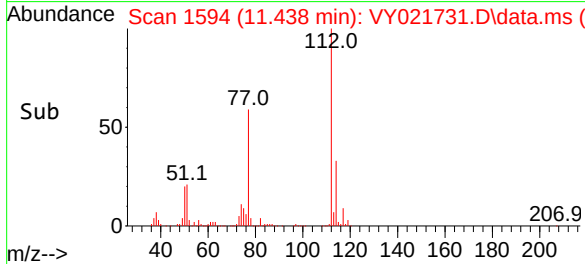
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



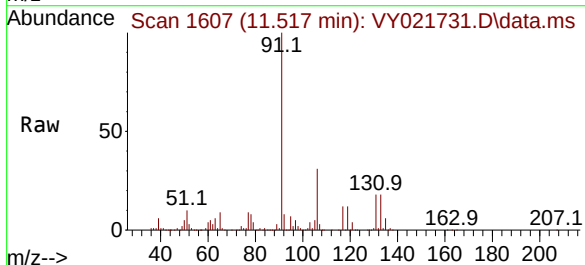
Tgt Ion:112 Resp: 42845
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

Manual Integrations
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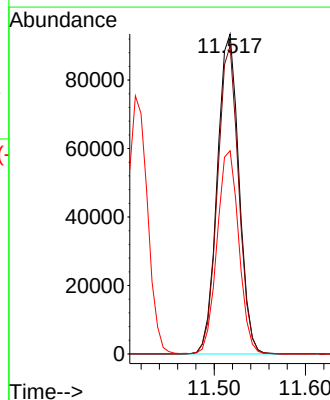
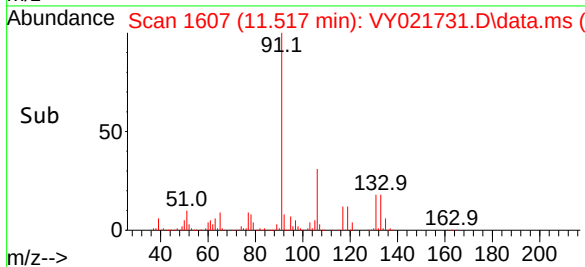
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

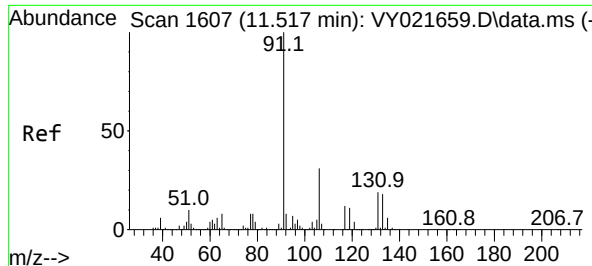


#66
1,1,1,2-Tetrachloroethane
Concen: 51.410 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13



Tgt Ion:131 Resp: 154021
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.8
119 63.8 31.6 95.0





#67

Ethyl Benzene

Concen: 52.616 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 76186

Ion Ratio Lower Upper

91 100

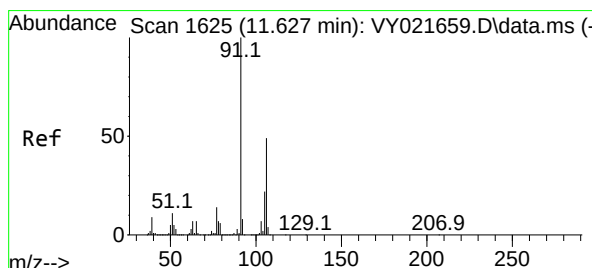
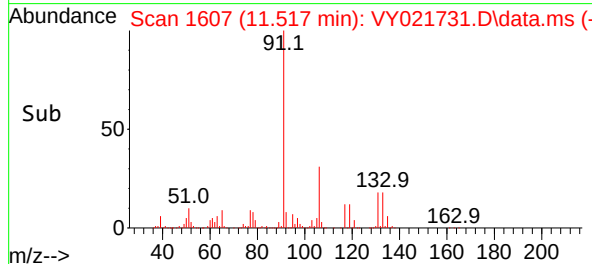
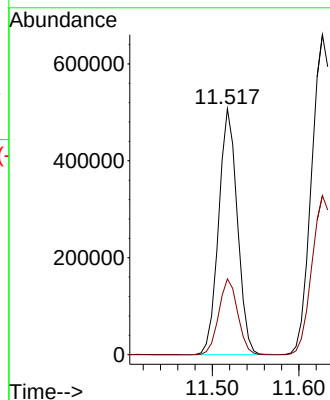
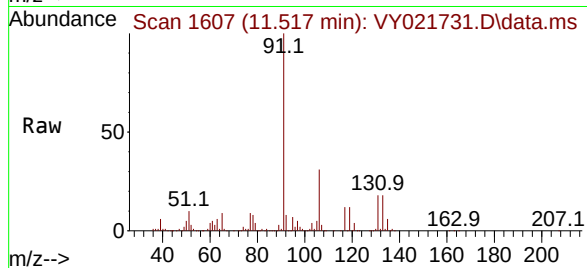
106 30.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#68

m/p-Xylenes

Concen: 105.148 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021731.D

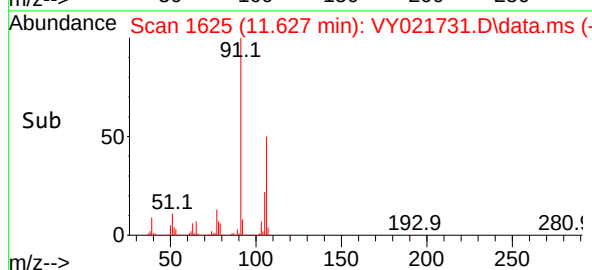
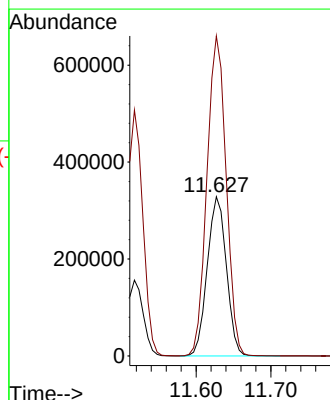
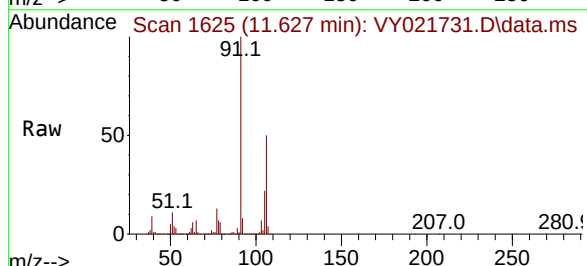
Acq: 01 Apr 2025 10:13

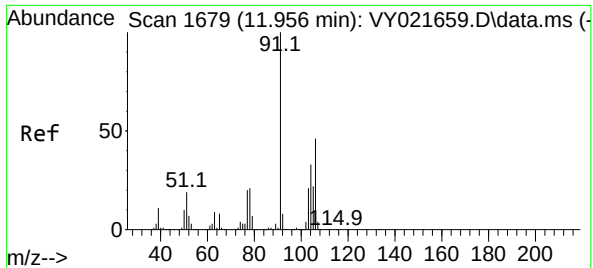
Tgt Ion:106 Resp: 583007

Ion Ratio Lower Upper

106 100

91 201.7 162.4 243.6





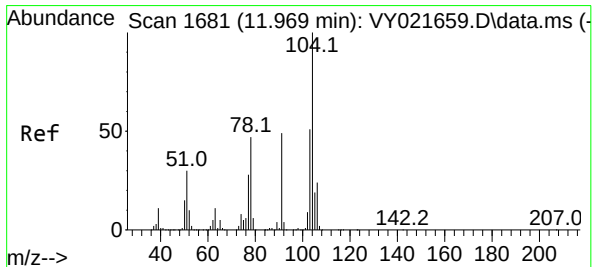
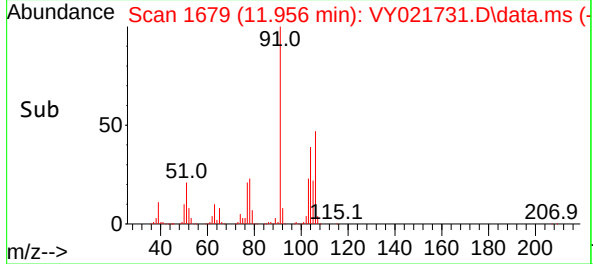
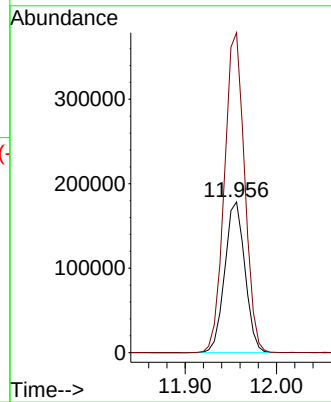
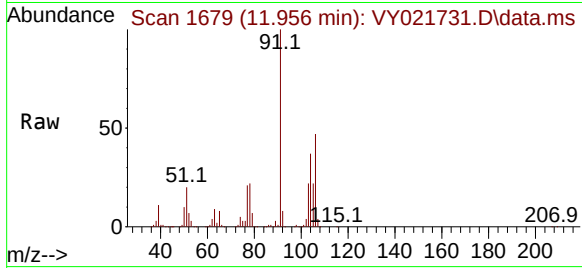
#69
o-Xylene
Concen: 53.570 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 27418
Ion Ratio Lower Upper
106 100
91 212.6 106.7 319.9

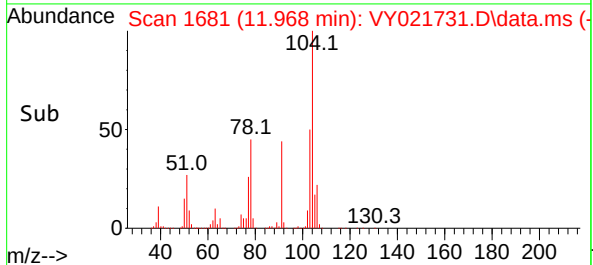
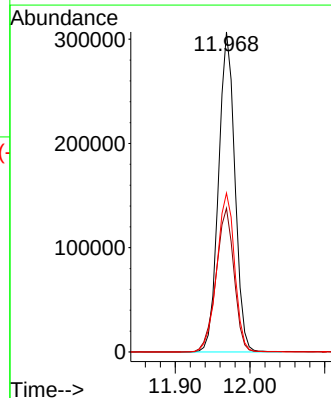
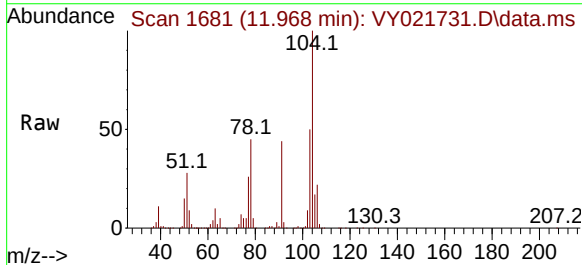
Manual Integrations
APPROVED

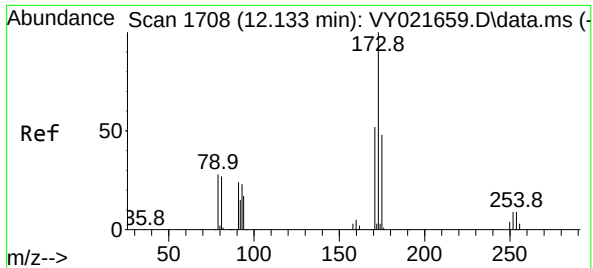
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#70
Styrene
Concen: 54.619 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

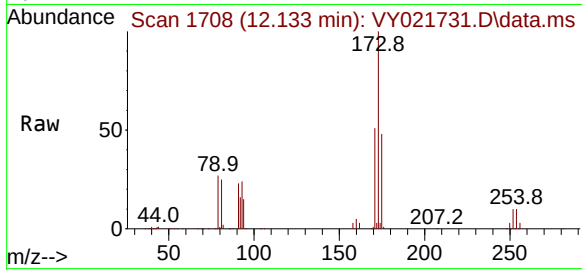
Tgt Ion:104 Resp: 466097
Ion Ratio Lower Upper
104 100
78 49.5 40.8 61.2
103 54.3 44.2 66.2





#71
Bromoform
Concen: 51.793 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

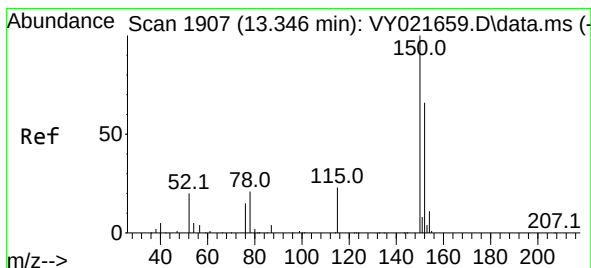
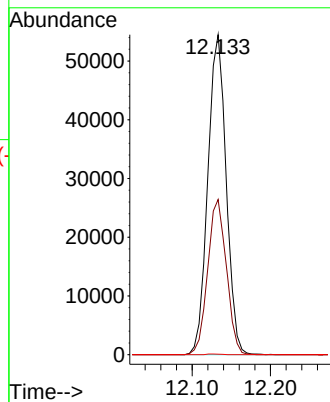
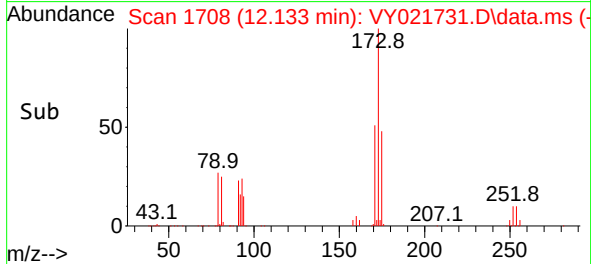
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



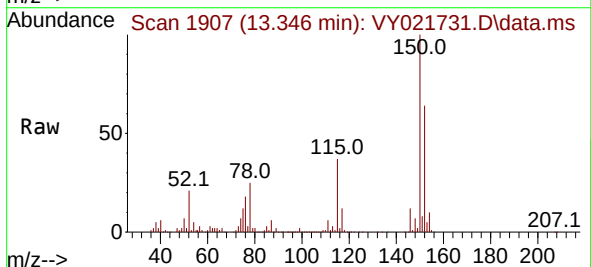
Tgt Ion:173 Resp: 8851
Ion Ratio Lower Upper
173 100
175 49.4 24.3 73.0
254 0.1 0.1 0.1

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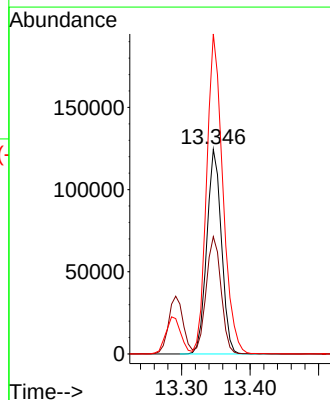
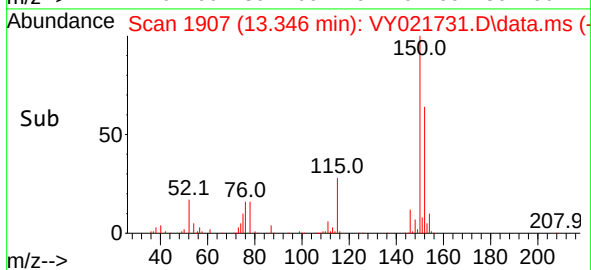
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

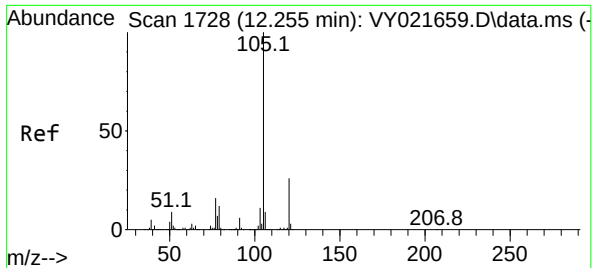


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13



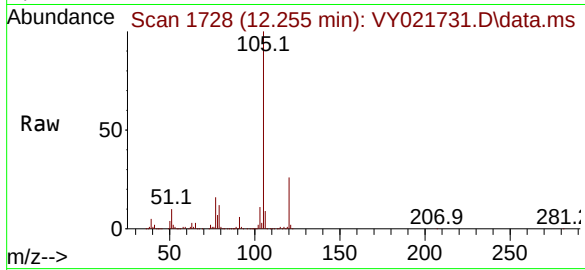
Tgt Ion:152 Resp: 185609
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 172.3 0.0 348.4





#73
Isopropylbenzene
Concen: 52.872 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

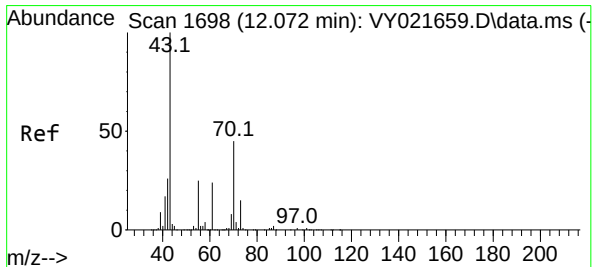
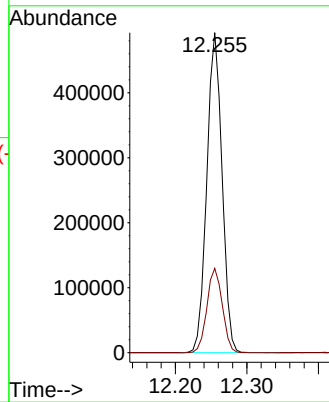
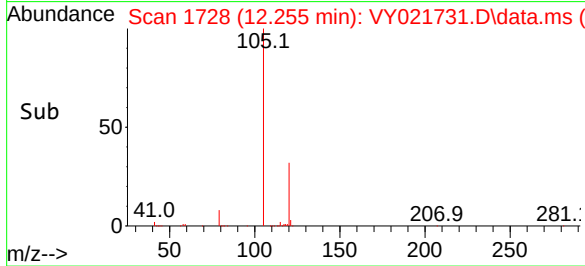
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



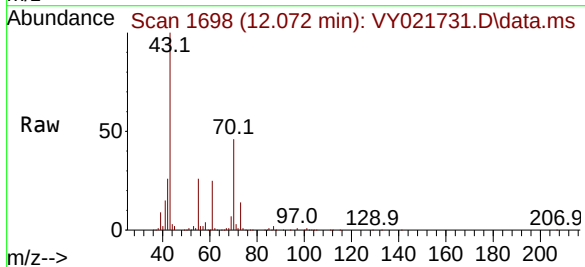
Tgt Ion: 105 Resp: 728894
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

Manual Integrations
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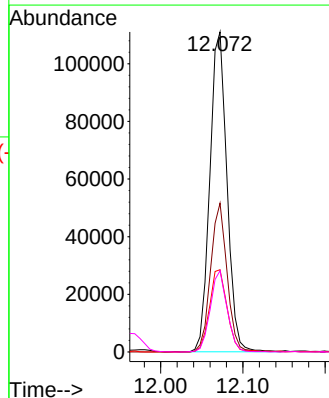
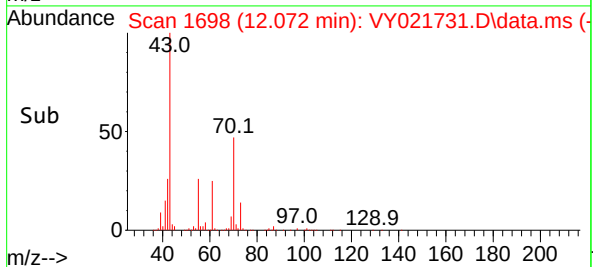
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

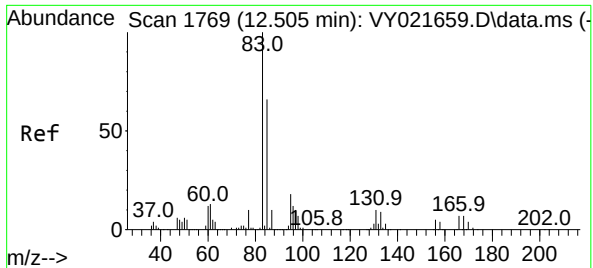


#74
N-ethyl acetate
Concen: 49.600 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13



Tgt Ion: 43 Resp: 160475
Ion Ratio Lower Upper
43 100
70 44.9 34.7 52.1
55 26.9 21.2 31.8
61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.393 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 119944

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

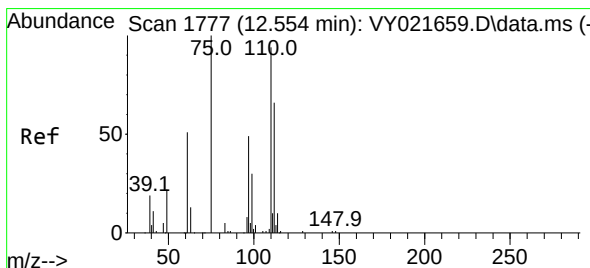
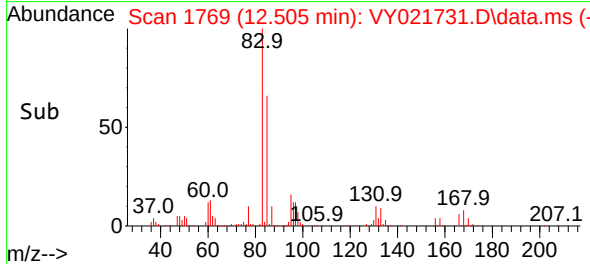
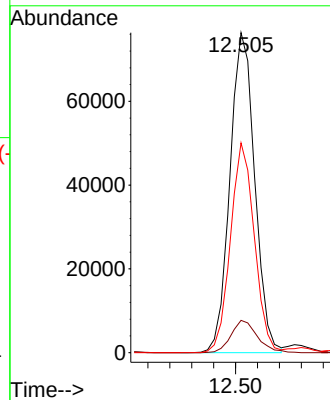
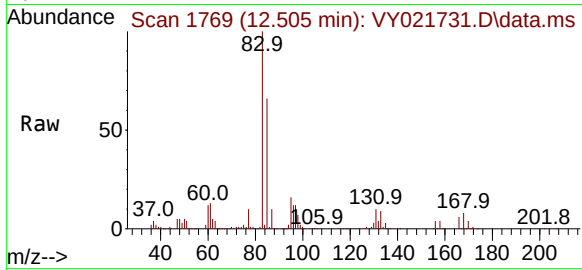
85 63.2 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#76

1,2,3-Trichloropropane

Concen: 49.498 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VY021731.D

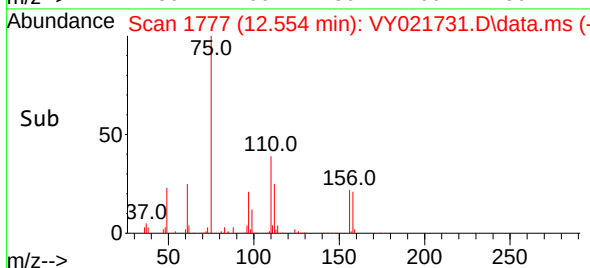
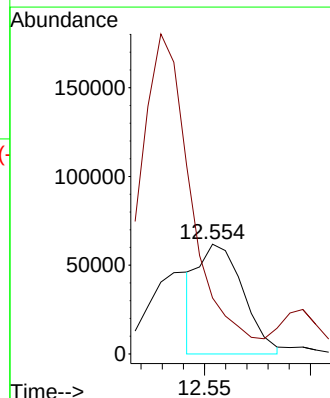
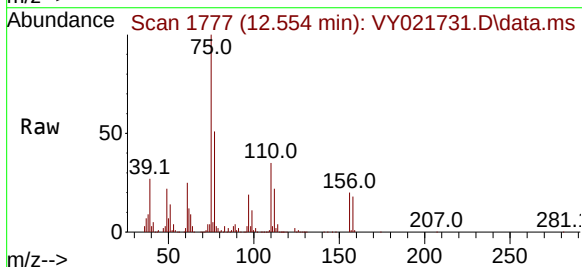
Acq: 01 Apr 2025 10:13

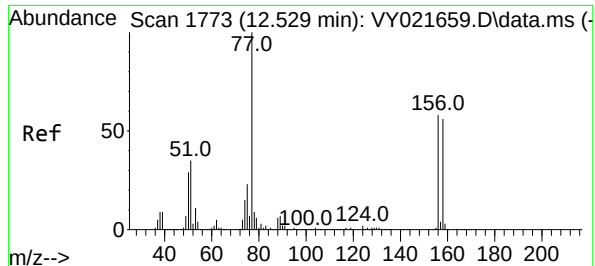
Tgt Ion: 75 Resp: 91070

Ion Ratio Lower Upper

75 100

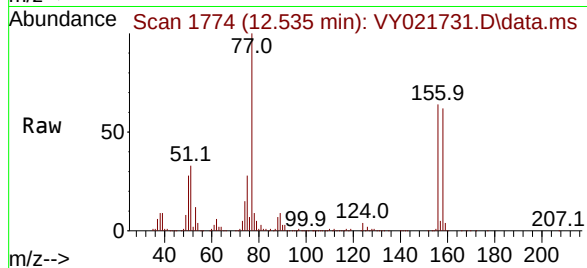
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 51.092 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

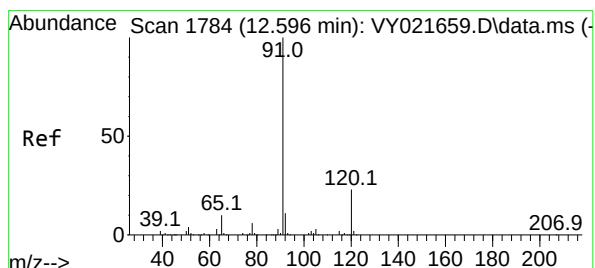
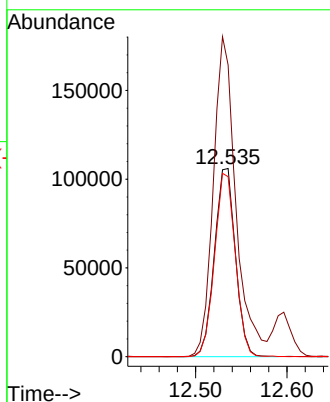
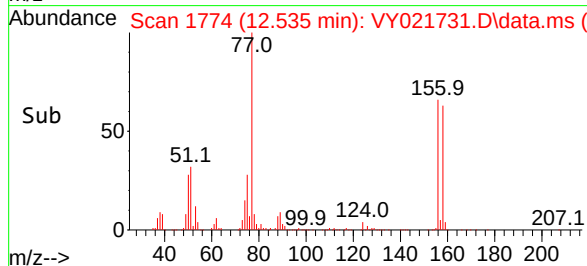
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



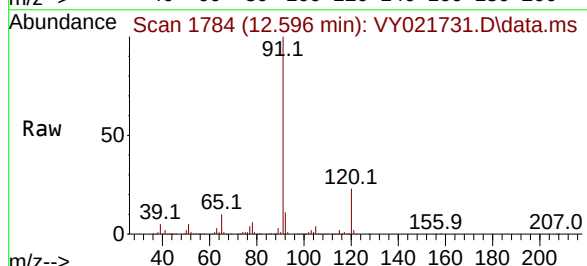
Tgt Ion: 156 Resp: 16911
Ion Ratio Lower Upper
156 100
77 182.9 92.8 278.3
158 96.9 48.5 145.6

Manual Integrations
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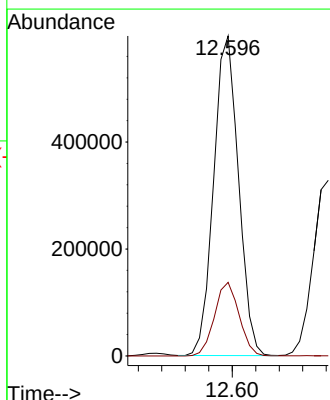
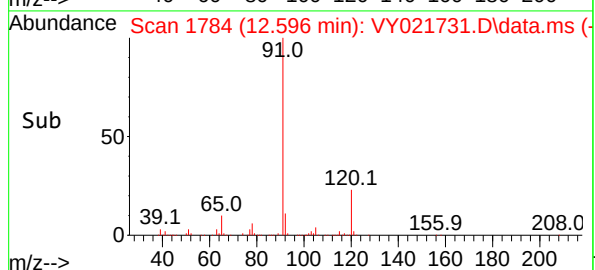
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

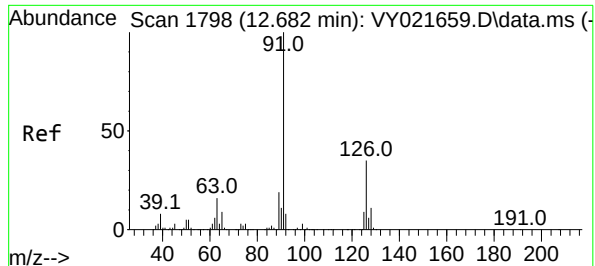


#78
n-propylbenzene
Concen: 52.863 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13



Tgt Ion: 91 Resp: 876144
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 51.750 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 49817

Ion Ratio Lower Upper

91 100

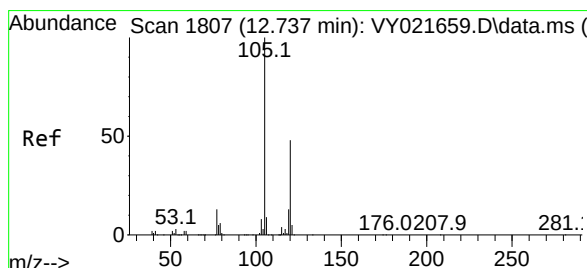
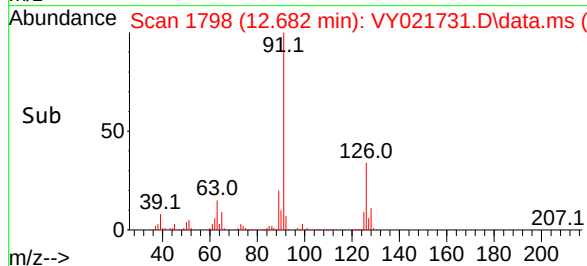
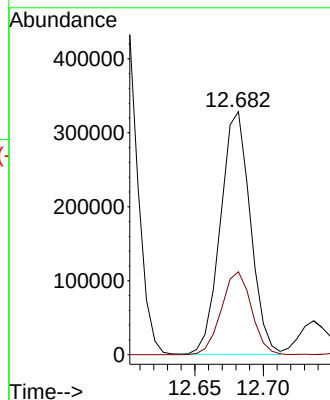
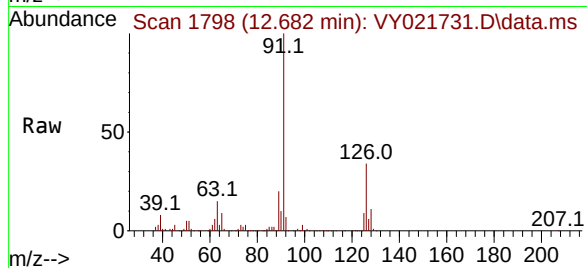
126 34.5 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.071 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021731.D

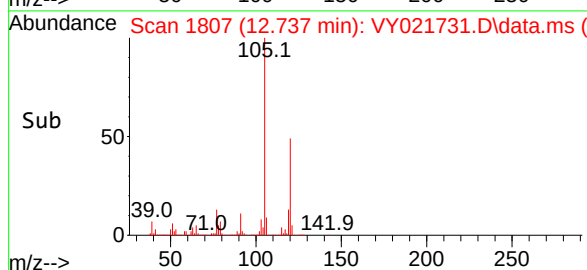
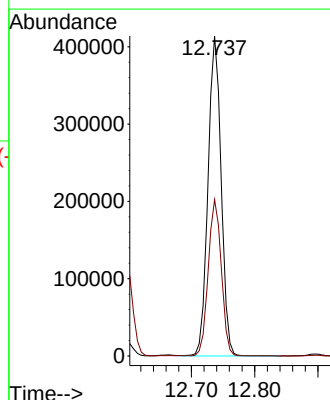
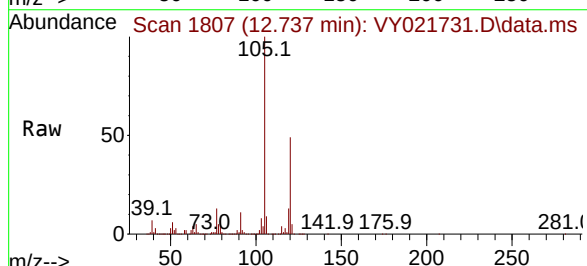
Acq: 01 Apr 2025 10:13

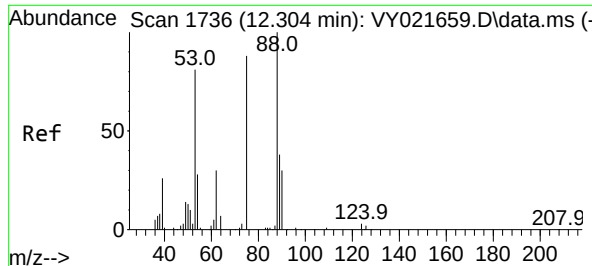
Tgt Ion:105 Resp: 597954

Ion Ratio Lower Upper

105 100

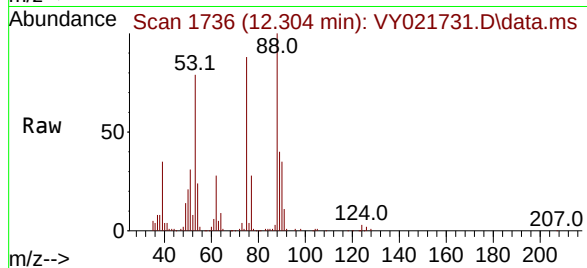
120 48.6 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 50.188 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

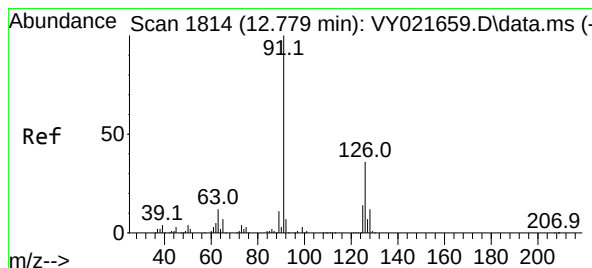
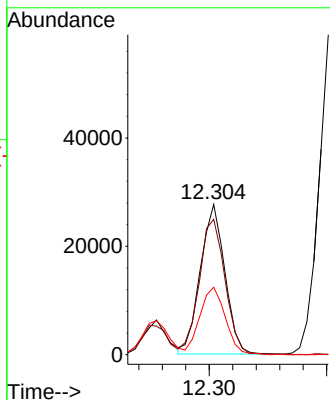
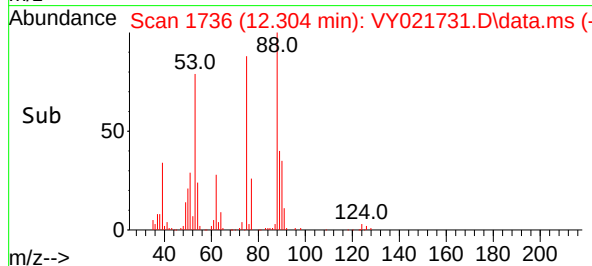
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 40075
Ion Ratio Lower Upper
75 100
53 96.3 76.1 114.1
89 46.6 36.2 54.4

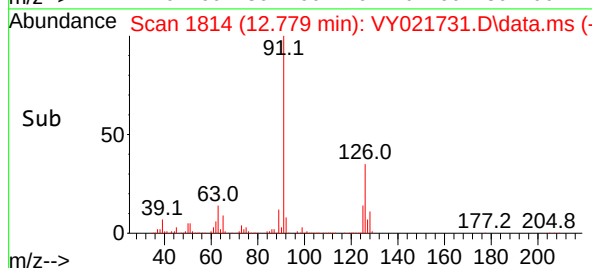
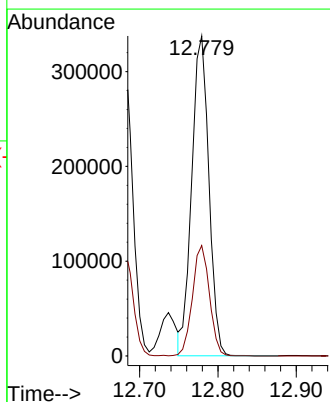
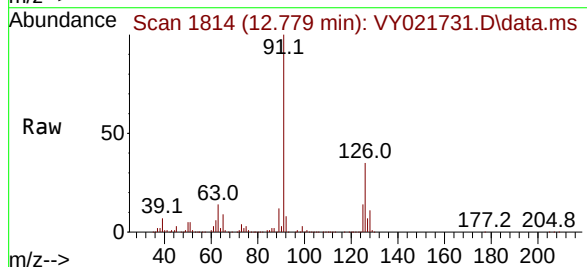
Manual Integrations
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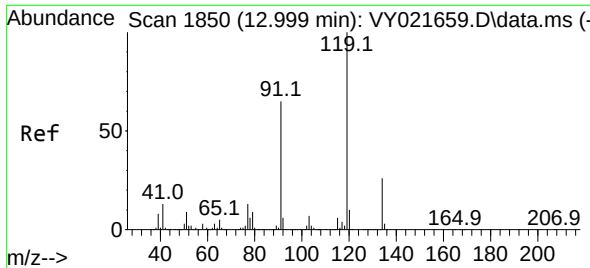
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#82
4-Chlorotoluene
Concen: 51.186 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

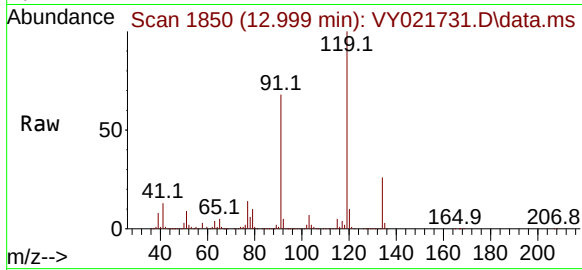
Tgt Ion: 91 Resp: 513706
Ion Ratio Lower Upper
91 100
126 34.4 17.0 50.9





#83
tert-Butylbenzene
Concen: 53.141 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

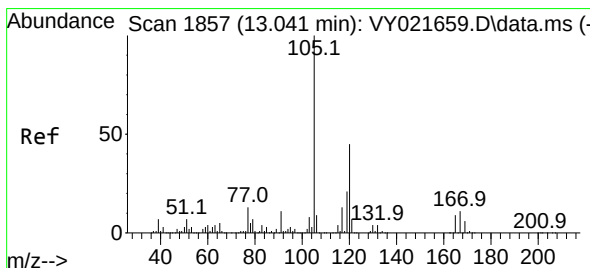
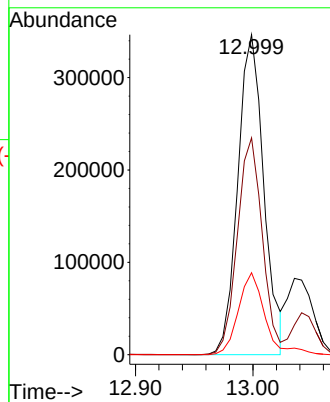
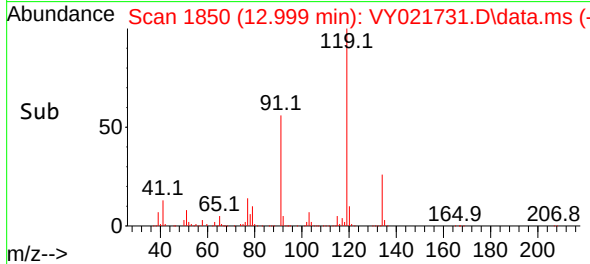
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 533297
Ion Ratio Lower Upper
119 100
91 65.0 32.6 97.7
134 26.2 13.2 39.6

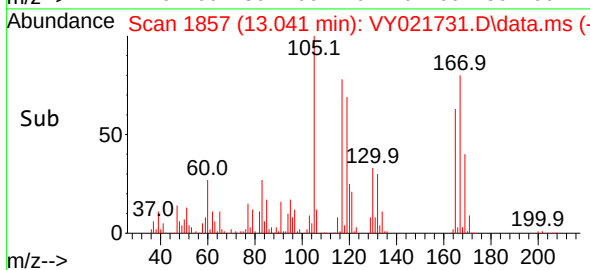
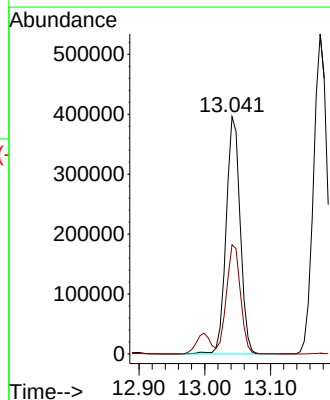
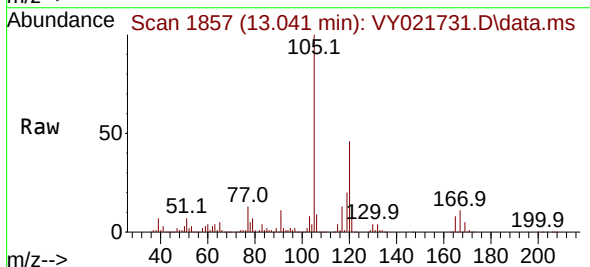
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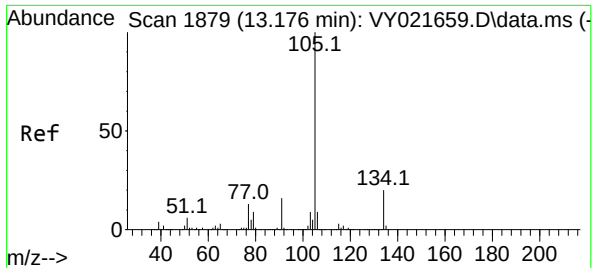
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#84
1,2,4-Trimethylbenzene
Concen: 52.796 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Tgt Ion:105 Resp: 587932
Ion Ratio Lower Upper
105 100
120 45.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 53.059 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 77815

Ion Ratio Lower Upper

105 100

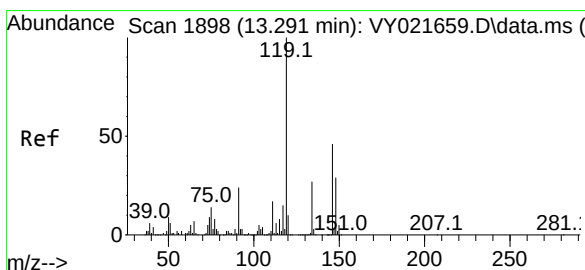
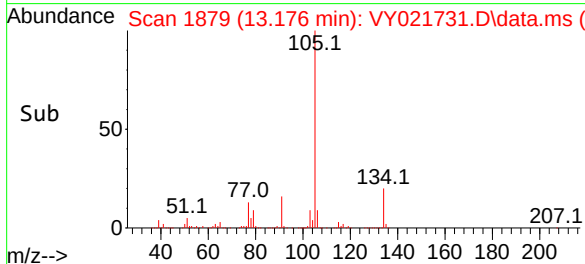
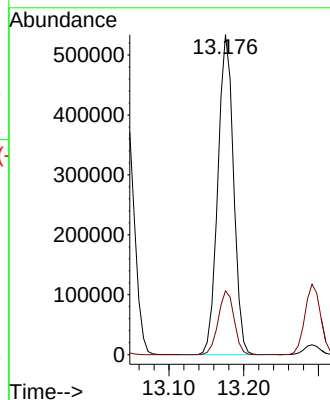
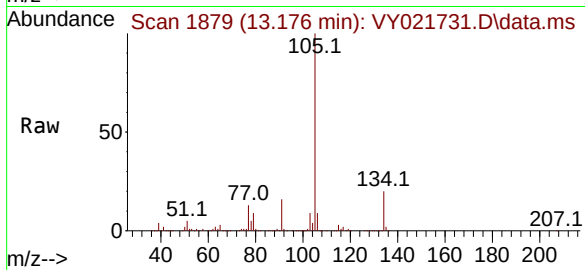
134 20.2 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#86

p-Isopropyltoluene

Concen: 53.853 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

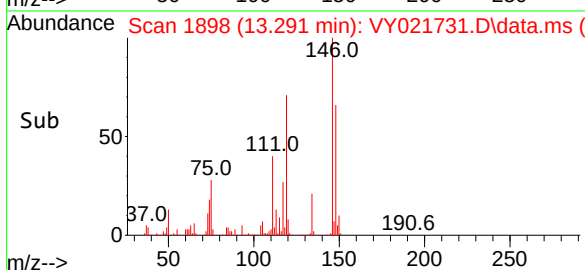
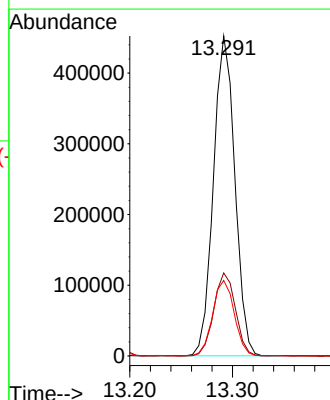
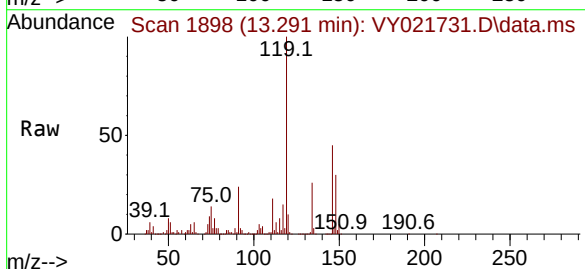
Tgt Ion:119 Resp: 652775

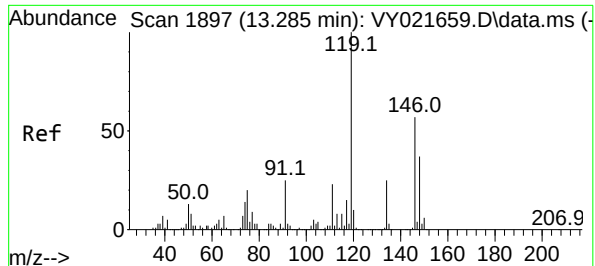
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 51.450 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 335519

Ion Ratio Lower Upper

146 100

111 39.9 20.0 60.0

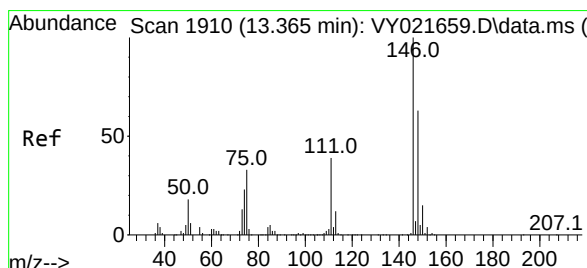
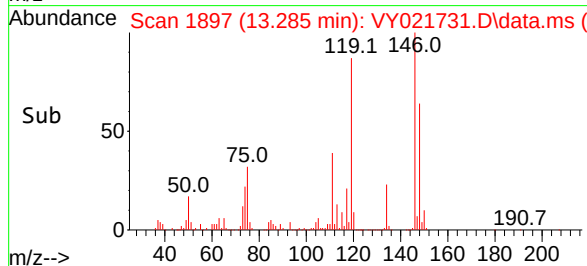
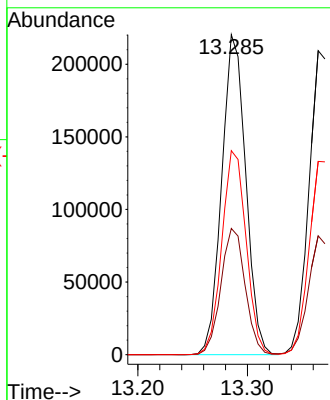
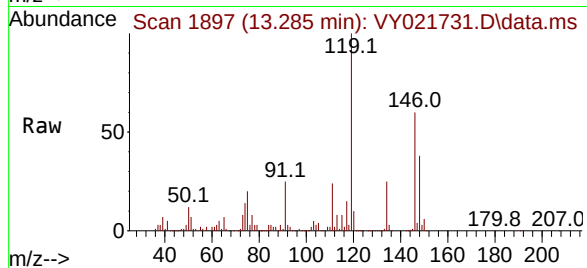
148 64.5 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#88

1,4-Dichlorobenzene

Concen: 50.410 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

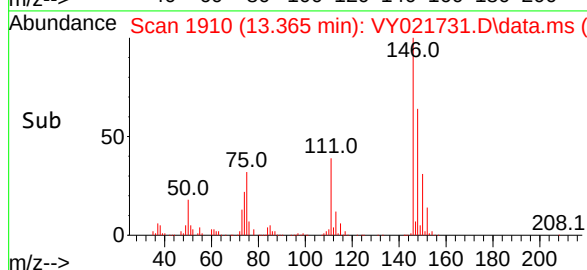
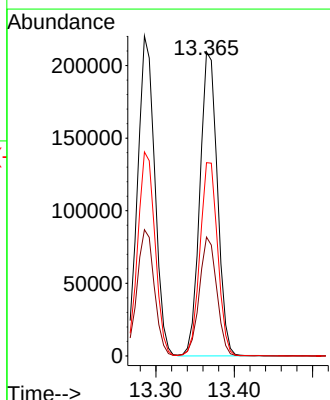
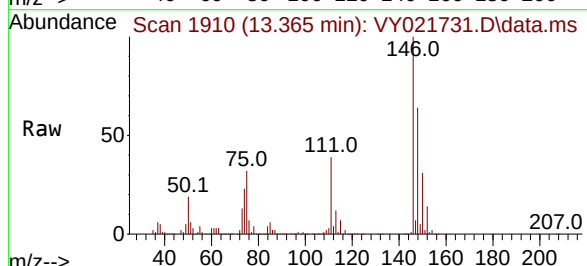
Tgt Ion:146 Resp: 324792

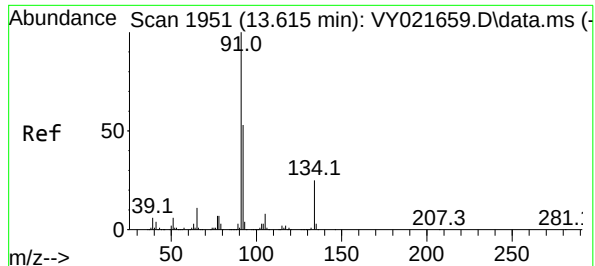
Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.1

148 64.3 31.5 94.5





#89

n-Butylbenzene

Concen: 53.515 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 599908

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.2

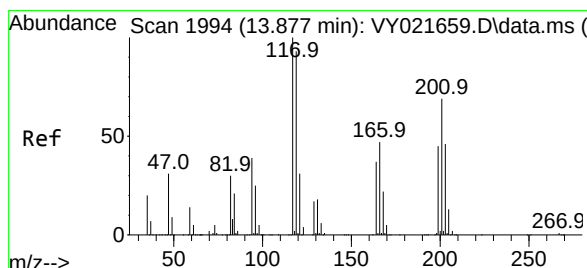
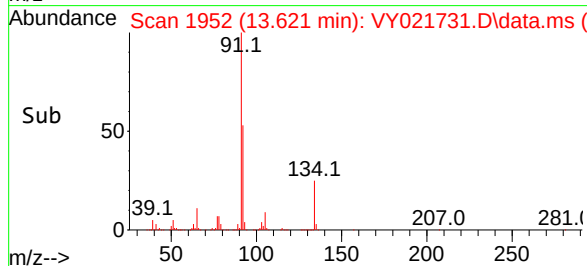
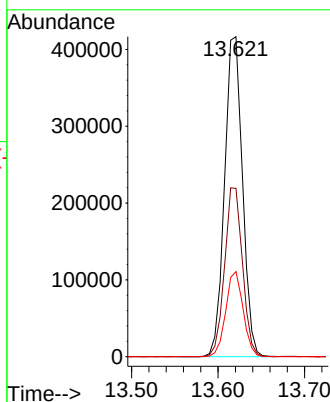
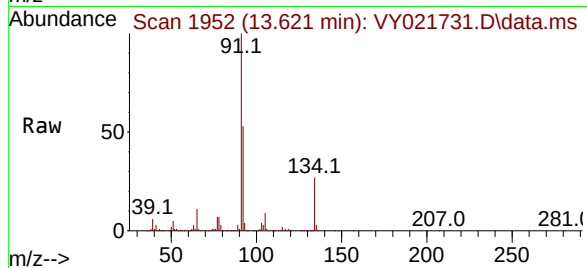
134 25.8 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#90

Hexachloroethane

Concen: 50.349 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021731.D

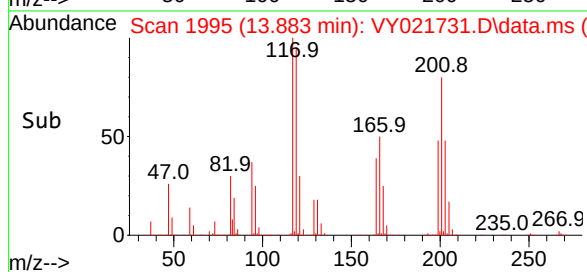
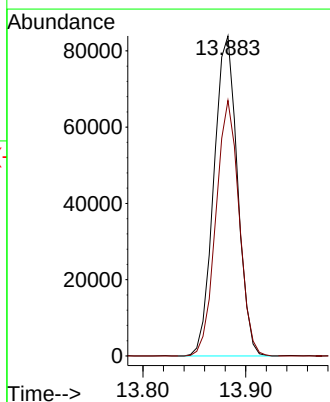
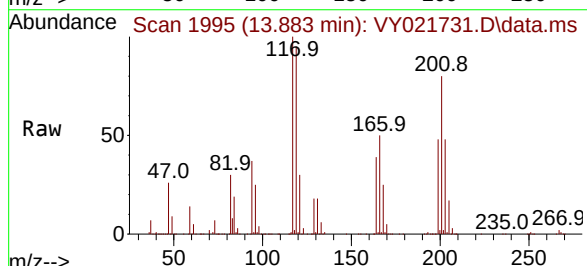
Acq: 01 Apr 2025 10:13

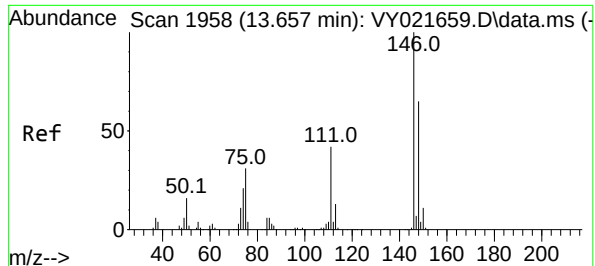
Tgt Ion:117 Resp: 133741

Ion Ratio Lower Upper

117 100

201 78.4 37.4 112.1





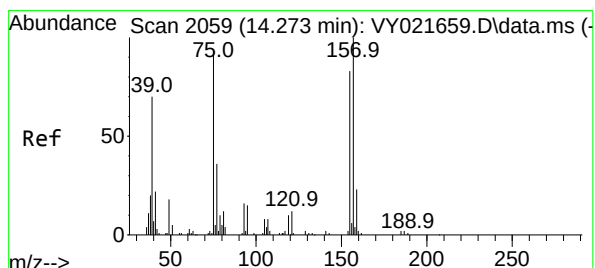
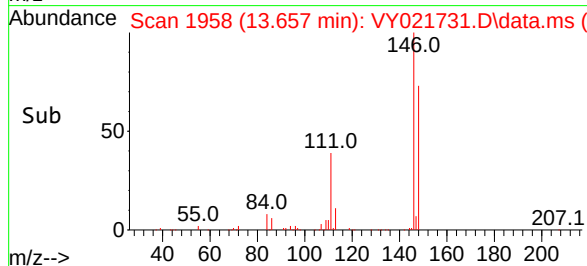
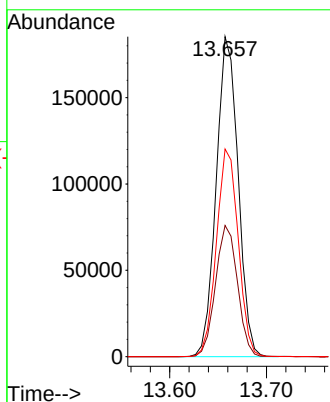
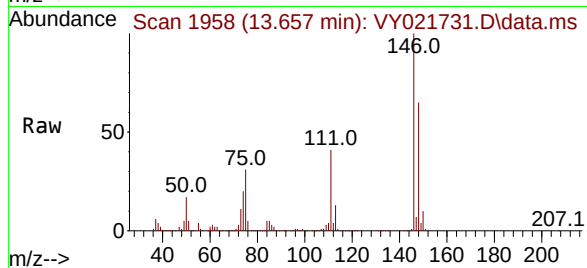
#91
1,2-Dichlorobenzene
Concen: 51.280 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 291100
Ion Ratio Lower Upper
146 100
111 41.2 20.7 62.1
148 64.8 32.3 96.9

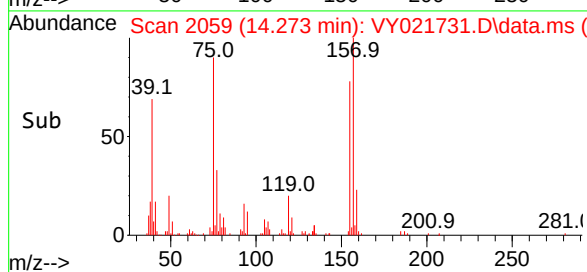
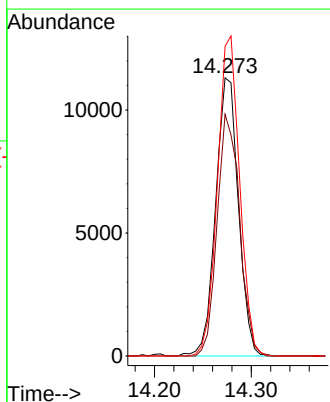
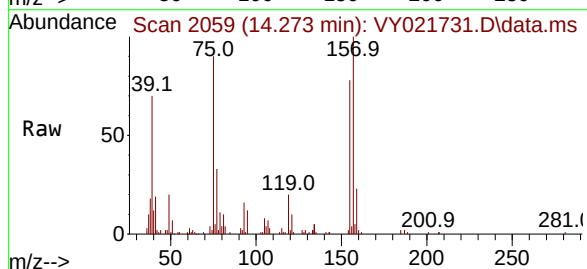
Manual Integrations
APPROVED

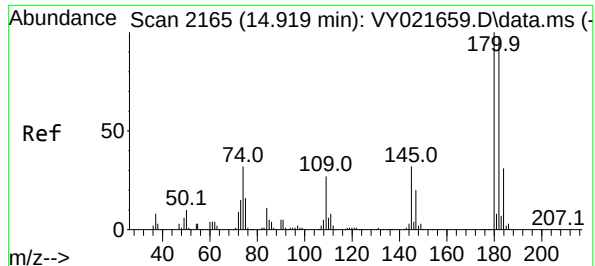
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.978 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

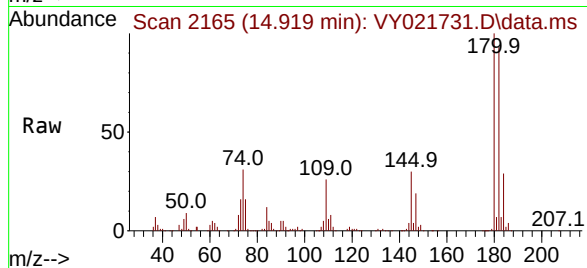
Tgt Ion: 75 Resp: 18431
Ion Ratio Lower Upper
75 100
155 85.8 43.0 128.8
157 112.2 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 54.551 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13

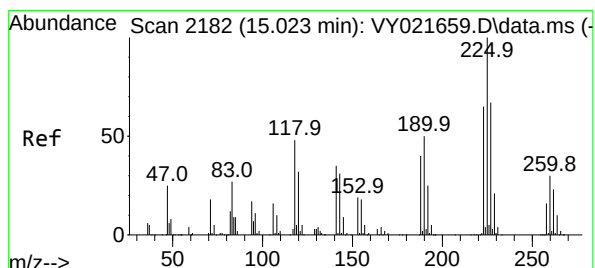
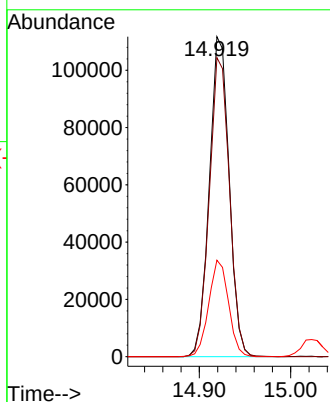
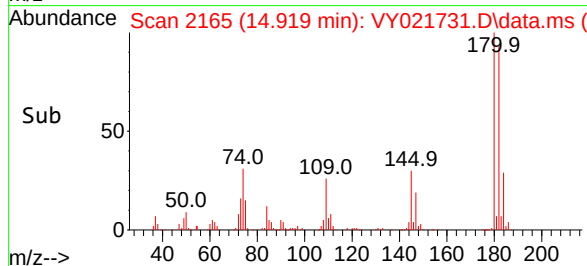
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



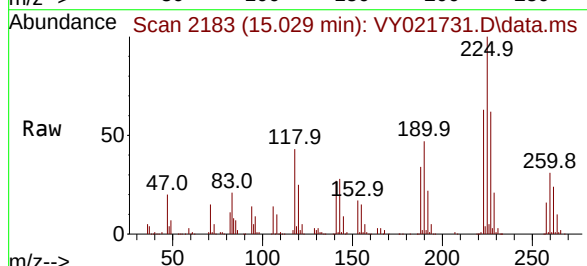
Tgt Ion:180 Resp: 16793
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.6
145 30.1 14.9 44.9

Manual Integrations
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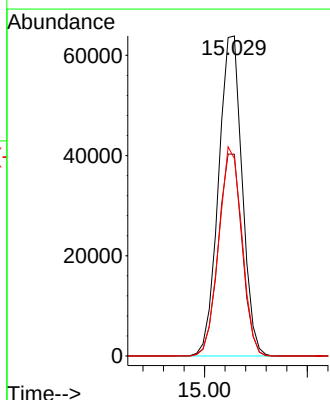
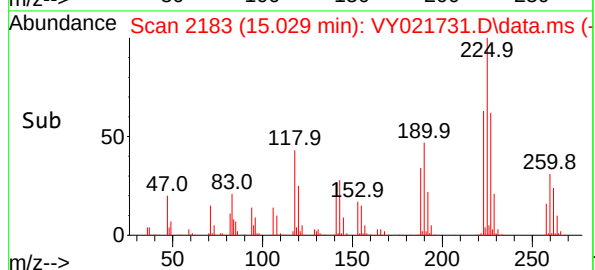
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

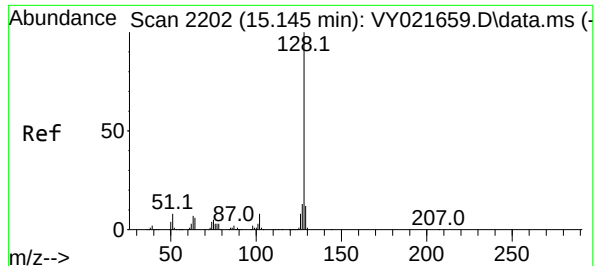


#94
Hexachlorobutadiene
Concen: 52.955 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021731.D
Acq: 01 Apr 2025 10:13



Tgt Ion:225 Resp: 101814
Ion Ratio Lower Upper
225 100
223 63.4 31.9 95.7
227 64.2 32.4 97.0





#95

Naphthalene

Concen: 55.186 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 281604

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

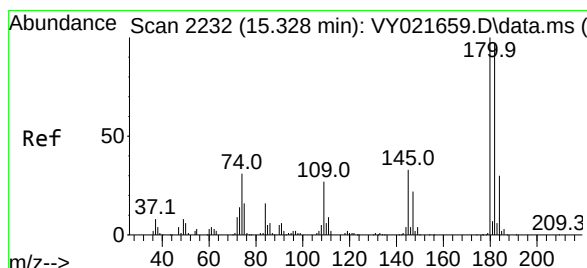
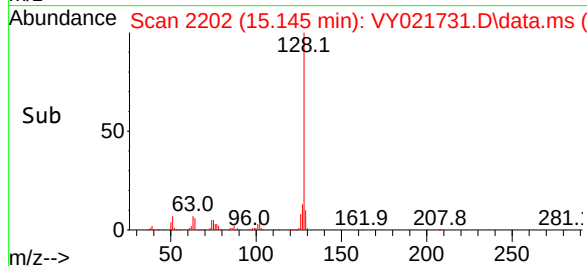
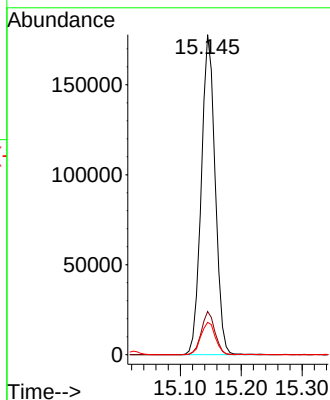
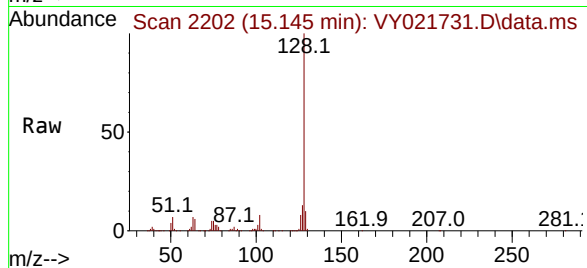
129 10.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#96

1,2,3-Trichlorobenzene

Concen: 53.436 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021731.D

Acq: 01 Apr 2025 10:13

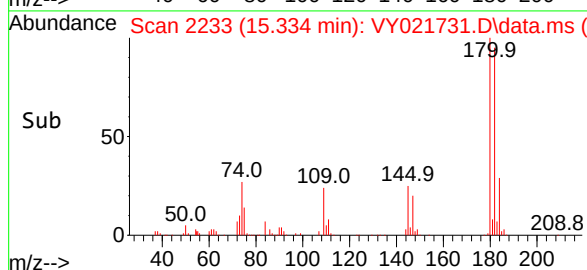
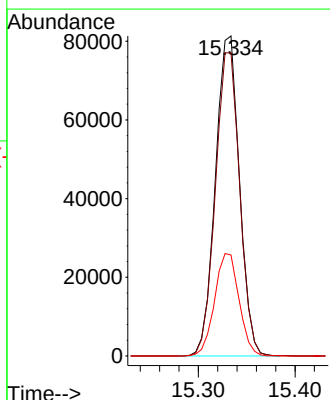
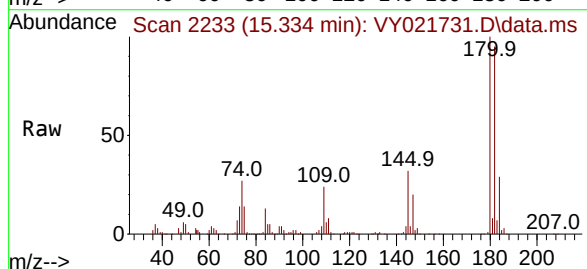
Tgt Ion:180 Resp: 140280

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.5

145 32.5 15.9 47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021731.D
 Acq On : 01 Apr 2025 10:13
 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 02 03:21:06 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	112	0.00
2 T	Dichlorodifluoromethane	0.518	0.503	2.9	111	0.00
3 P	Chloromethane	0.729	0.661	9.3	107	0.00
4 C	Vinyl Chloride	0.824	0.773	6.2#	108	0.00
5 T	Bromomethane	0.562	0.514	8.5	112	0.00
6 T	Chloroethane	0.539	0.495	8.2	108	0.00
7 T	Trichlorofluoromethane	1.056	1.042	1.3	115	0.00
8 T	Diethyl Ether	0.287	0.277	3.5	113	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.558	-0.2	117	0.00
10 T	Methyl Iodide	0.611	0.640	-4.7	109	0.00
11 T	Tert butyl alcohol	0.035	0.032	8.6	105	0.00
12 CM	1,1-Dichloroethene	0.524	0.526	-0.4#	115	0.00
13 T	Acrolein	0.064	0.037	42.2#	65	0.00
14 T	Allyl chloride	0.836	0.818	2.2	109	0.00
15 T	Acrylonitrile	0.120	0.114	5.0	106	-0.01
16 T	Acetone	0.111	0.089	19.8	93	0.00
17 T	Carbon Disulfide	1.727	1.673	3.1	111	0.00
18 T	Methyl Acetate	0.275	0.287	-4.4	121	0.00
19 T	Methyl tert-butyl Ether	1.306	1.321	-1.1	112	0.00
20 T	Methylene Chloride	0.626	0.569	9.1	113	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.583	-1.0	115	0.00
22 T	Diisopropyl ether	1.754	1.746	0.5	109	0.00
23 T	Vinyl Acetate	1.026	1.002	2.3	105	0.00
24 P	1,1-Dichloroethane	1.049	1.041	0.8	112	0.00
25 T	2-Butanone	0.158	0.142	10.1	100	0.00
26 T	2,2-Dichloropropane	0.933	0.925	0.9	113	0.00
27 T	cis-1,2-Dichloroethene	0.649	0.669	-3.1	115	0.00
28 T	Bromochloromethane	0.442	0.402	9.0	106	0.00
29 T	Tetrahydrofuran	0.102	0.097	4.9	104	0.00
30 C	Chloroform	1.091	1.087	0.4#	113	0.00
31 T	Cyclohexane	0.956	0.916	4.2	112	0.00
32 T	1,1,1-Trichloroethane	0.986	0.985	0.1	114	0.00
33 S	1,2-Dichloroethane-d4	0.542	0.509	6.1	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
35 S	Dibromofluoromethane	0.324	0.320	1.2	107	0.00
36 T	1,1-Dichloropropene	0.494	0.501	-1.4	113	0.00
37 T	Ethyl Acetate	0.233	0.218	6.4	105	-0.01
38 T	Carbon Tetrachloride	0.566	0.583	-3.0	117	0.00
39 T	Methylcyclohexane	0.590	0.628	-6.4	114	0.00
40 TM	Benzene	1.479	1.490	-0.7	112	0.00
41 T	Methacrylonitrile	0.124	0.119	4.0	99	-0.02
42 TM	1,2-Dichloroethane	0.417	0.409	1.9	110	0.00
43 T	Isopropyl Acetate	0.442	0.430	2.7	108	0.00
44 TM	Trichloroethene	0.377	0.389	-3.2	117	0.00
45 C	1,2-Dichloropropane	0.350	0.354	-1.1#	113	0.00
46 T	Dibromomethane	0.202	0.201	0.5	115	0.00
47 T	Bromodichloromethane	0.523	0.529	-1.1	114	0.00
48 T	Methyl methacrylate	0.203	0.202	0.5	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021731.D
 Acq On : 01 Apr 2025 10:13
 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 02 03:21:06 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	112	0.00
50 S	Toluene-d8	1.234	1.227	0.6	106	0.00
51 T	4-Methyl-2-Pentanone	0.230	0.225	2.2	106	0.00
52 CM	Toluene	0.923	0.962	-4.2#	114	0.00
53 T	t-1,3-Dichloropropene	0.465	0.479	-3.0	111	0.00
54 T	cis-1,3-Dichloropropene	0.548	0.555	-1.3	111	0.00
55 T	1,1,2-Trichloroethane	0.260	0.267	-2.7	115	0.00
56 T	Ethyl methacrylate	0.332	0.353	-6.3	109	0.00
57 T	1,3-Dichloropropane	0.449	0.453	-0.9	111	0.00
58 T	2-Chloroethyl Vinyl ether	0.162	0.169	-4.3	106	0.00
59 T	2-Hexanone	0.153	0.149	2.6	103	0.00
60 T	Dibromochloromethane	0.355	0.369	-3.9	115	0.00
61 T	1,2-Dibromoethane	0.244	0.251	-2.9	112	0.00
62 S	4-Bromofluorobenzene	0.417	0.421	-1.0	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64 T	Tetrachloroethene	0.455	0.465	-2.2	116	0.00
65 PM	Chlorobenzene	1.146	1.163	-1.5	113	0.00
66 T	1,1,1,2-Tetrachloroethane	0.407	0.418	-2.7	114	0.00
67 C	Ethyl Benzene	1.965	2.068	-5.2#	113	0.00
68 T	m/p-Xylenes	0.753	0.791	-5.0	112	0.00
69 T	o-Xylene	0.695	0.744	-7.1	113	0.00
70 T	Styrene	1.158	1.265	-9.2	115	0.00
71 P	Bromoform	0.232	0.240	-3.4	113	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
73 T	Isopropylbenzene	3.714	3.927	-5.7	113	0.00
74 T	N-amyl acetate	0.872	0.865	0.8	104	0.00
75 P	1,1,2,2-Tetrachloroethane	0.668	0.646	3.3	109	0.00
76 T	1,2,3-Trichloropropane	0.496	0.491	1.0	109	0.00
77 T	Bromobenzene	0.892	0.911	-2.1	113	0.00
78 T	n-propylbenzene	4.465	4.720	-5.7	113	0.00
79 T	2-Chlorotoluene	2.593	2.684	-3.5	112	0.00
80 T	1,3,5-Trimethylbenzene	3.035	3.222	-6.2	113	0.00
81 T	trans-1,4-Dichloro-2-butene	0.215	0.216	-0.5	108	0.00
82 T	4-Chlorotoluene	2.704	2.768	-2.4	111	0.00
83 T	tert-Butylbenzene	2.703	2.873	-6.3	114	0.00
84 T	1,2,4-Trimethylbenzene	3.000	3.168	-5.6	112	0.00
85 T	sec-Butylbenzene	3.951	4.192	-6.1	113	0.00
86 T	p-Isopropyltoluene	3.265	3.517	-7.7	113	0.00
87 T	1,3-Dichlorobenzene	1.757	1.808	-2.9	114	0.00
88 T	1,4-Dichlorobenzene	1.736	1.750	-0.8	111	0.00
89 T	n-Butylbenzene	3.020	3.232	-7.0	113	0.00
90 T	Hexachloroethane	0.716	0.721	-0.7	113	0.00
91 T	1,2-Dichlorobenzene	1.529	1.568	-2.6	114	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.103	0.099	3.9	108	0.00
93 T	1,2,4-Trichlorobenzene	0.829	0.905	-9.2	114	0.00
94 T	Hexachlorobutadiene	0.518	0.549	-6.0	116	0.00
95 T	Naphthalene	1.375	1.517	-10.3	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021731.D
Acq On : 01 Apr 2025 10:13
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 02 03:21:06 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	0.756	-6.9	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021731.D
 Acq On : 01 Apr 2025 10:13
 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 02 03:21:06 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	112	0.00
2 T	Dichlorodifluoromethane	50.000	48.547	2.9	111	0.00
3 P	Chloromethane	50.000	45.323	9.4	107	0.00
4 C	Vinyl Chloride	50.000	46.900	6.2#	108	0.00
5 T	Bromomethane	50.000	45.709	8.6	112	0.00
6 T	Chloroethane	50.000	45.918	8.2	108	0.00
7 T	Trichlorofluoromethane	50.000	49.366	1.3	115	0.00
8 T	Diethyl Ether	50.000	48.310	3.4	113	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.077	-0.2	117	0.00
10 T	Methyl Iodide	50.000	52.351	-4.7	109	0.00
11 T	Tert butyl alcohol	250.000	225.735	9.7	105	0.00
12 CM	1,1-Dichloroethene	50.000	50.166	-0.3#	115	0.00
13 T	Acrolein	250.000	142.192	43.1#	65	0.00
14 T	Allyl chloride	50.000	48.883	2.2	109	0.00
15 T	Acrylonitrile	250.000	238.441	4.6	106	-0.01
16 T	Acetone	250.000	199.954	20.0	93	0.00
17 T	Carbon Disulfide	50.000	48.433	3.1	111	0.00
18 T	Methyl Acetate	50.000	52.162	-4.3	121	0.00
19 T	Methyl tert-butyl Ether	50.000	50.590	-1.2	112	0.00
20 T	Methylene Chloride	50.000	52.656	-5.3	113	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.474	-0.9	115	0.00
22 T	Diisopropyl ether	50.000	49.759	0.5	109	0.00
23 T	Vinyl Acetate	250.000	244.119	2.4	105	0.00
24 P	1,1-Dichloroethane	50.000	49.622	0.8	112	0.00
25 T	2-Butanone	250.000	224.955	10.0	100	0.00
26 T	2,2-Dichloropropane	50.000	49.566	0.9	113	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.514	-3.0	115	0.00
28 T	Bromochloromethane	50.000	45.407	9.2	106	0.00
29 T	Tetrahydrofuran	250.000	238.865	4.5	104	0.00
30 C	Chloroform	50.000	49.822	0.4#	113	0.00
31 T	Cyclohexane	50.000	47.893	4.2	112	0.00
32 T	1,1,1-Trichloroethane	50.000	49.940	0.1	114	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.014	6.0	104	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
35 S	Dibromofluoromethane	50.000	49.401	1.2	107	0.00
36 T	1,1-Dichloropropene	50.000	50.689	-1.4	113	0.00
37 T	Ethyl Acetate	50.000	46.847	6.3	105	-0.01
38 T	Carbon Tetrachloride	50.000	51.515	-3.0	117	0.00
39 T	Methylcyclohexane	50.000	53.177	-6.4	114	0.00
40 TM	Benzene	50.000	50.353	-0.7	112	0.00
41 T	Methacrylonitrile	50.000	48.231	3.5	99	-0.02
42 TM	1,2-Dichloroethane	50.000	48.971	2.1	110	0.00
43 T	Isopropyl Acetate	50.000	48.688	2.6	108	0.00
44 TM	Trichloroethene	50.000	51.597	-3.2	117	0.00
45 C	1,2-Dichloropropane	50.000	50.563	-1.1#	113	0.00
46 T	Dibromomethane	50.000	49.889	0.2	115	0.00
47 T	Bromodichloromethane	50.000	50.556	-1.1	114	0.00
48 T	Methyl methacrylate	50.000	49.779	0.4	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021731.D
 Acq On : 01 Apr 2025 10:13
 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 02 03:21:06 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	1019.727	-2.0	112	0.00
50 S	Toluene-d8	50.000	49.740	0.5	106	0.00
51 T	4-Methyl-2-Pentanone	250.000	244.928	2.0	106	0.00
52 CM	Toluene	50.000	52.098	-4.2#	114	0.00
53 T	t-1,3-Dichloropropene	50.000	51.562	-3.1	111	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.675	-1.3	111	0.00
55 T	1,1,2-Trichloroethane	50.000	51.351	-2.7	115	0.00
56 T	Ethyl methacrylate	50.000	53.145	-6.3	109	0.00
57 T	1,3-Dichloropropane	50.000	50.545	-1.1	111	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	261.293	-4.5	106	0.00
59 T	2-Hexanone	250.000	242.897	2.8	103	0.00
60 T	Dibromochloromethane	50.000	52.056	-4.1	115	0.00
61 T	1,2-Dibromoethane	50.000	51.510	-3.0	112	0.00
62 S	4-Bromofluorobenzene	50.000	50.479	-1.0	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	112	0.00
64 T	Tetrachloroethene	50.000	51.108	-2.2	116	0.00
65 PM	Chlorobenzene	50.000	50.741	-1.5	113	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.410	-2.8	114	0.00
67 C	Ethyl Benzene	50.000	52.616	-5.2#	113	0.00
68 T	m/p-Xylenes	100.000	105.148	-5.1	112	0.00
69 T	o-Xylene	50.000	53.570	-7.1	113	0.00
70 T	Styrene	50.000	54.619	-9.2	115	0.00
71 P	Bromoform	50.000	51.793	-3.6	113	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	111	0.00
73 T	Isopropylbenzene	50.000	52.872	-5.7	113	0.00
74 T	N-amyl acetate	50.000	49.600	0.8	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.393	3.2	109	0.00
76 T	1,2,3-Trichloropropane	50.000	49.498	1.0	109	0.00
77 T	Bromobenzene	50.000	51.092	-2.2	113	0.00
78 T	n-propylbenzene	50.000	52.863	-5.7	113	0.00
79 T	2-Chlorotoluene	50.000	51.750	-3.5	112	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.071	-6.1	113	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.188	-0.4	108	0.00
82 T	4-Chlorotoluene	50.000	51.186	-2.4	111	0.00
83 T	tert-Butylbenzene	50.000	53.141	-6.3	114	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.796	-5.6	112	0.00
85 T	sec-Butylbenzene	50.000	53.059	-6.1	113	0.00
86 T	p-Isopropyltoluene	50.000	53.853	-7.7	113	0.00
87 T	1,3-Dichlorobenzene	50.000	51.450	-2.9	114	0.00
88 T	1,4-Dichlorobenzene	50.000	50.410	-0.8	111	0.00
89 T	n-Butylbenzene	50.000	53.515	-7.0	113	0.00
90 T	Hexachloroethane	50.000	50.349	-0.7	113	0.00
91 T	1,2-Dichlorobenzene	50.000	51.280	-2.6	114	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.978	4.0	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.551	-9.1	114	0.00
94 T	Hexachlorobutadiene	50.000	52.955	-5.9	116	0.00
95 T	Naphthalene	50.000	55.186	-10.4	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021731.D
Acq On : 01 Apr 2025 10:13
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 02 03:21:06 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	53.436	-6.9	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



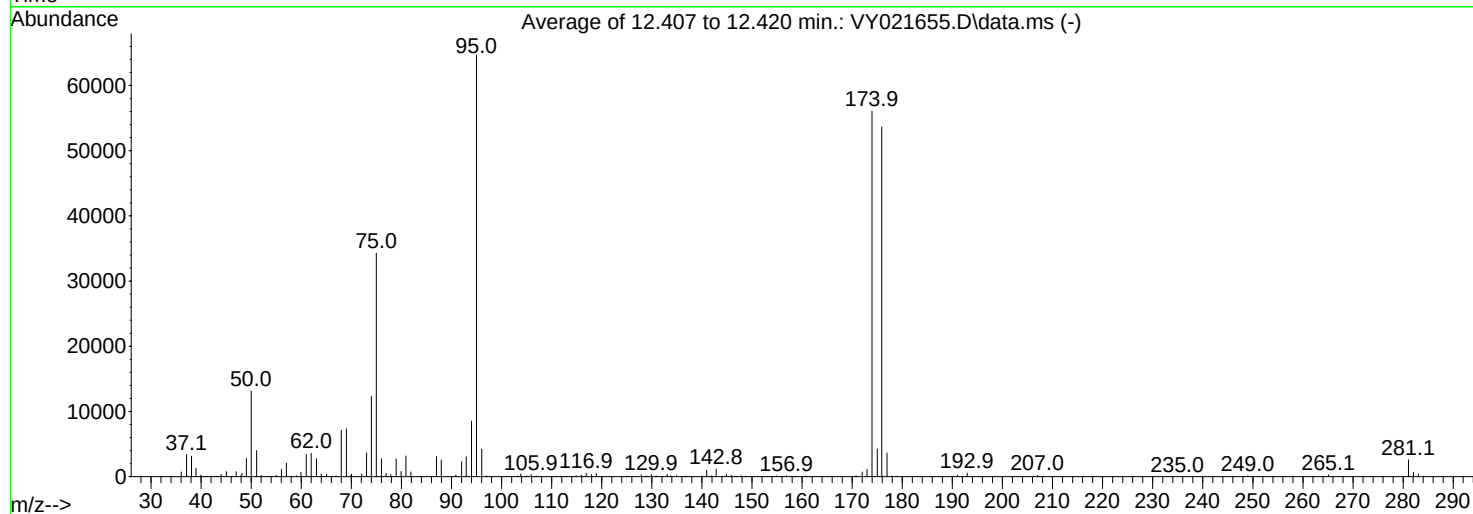
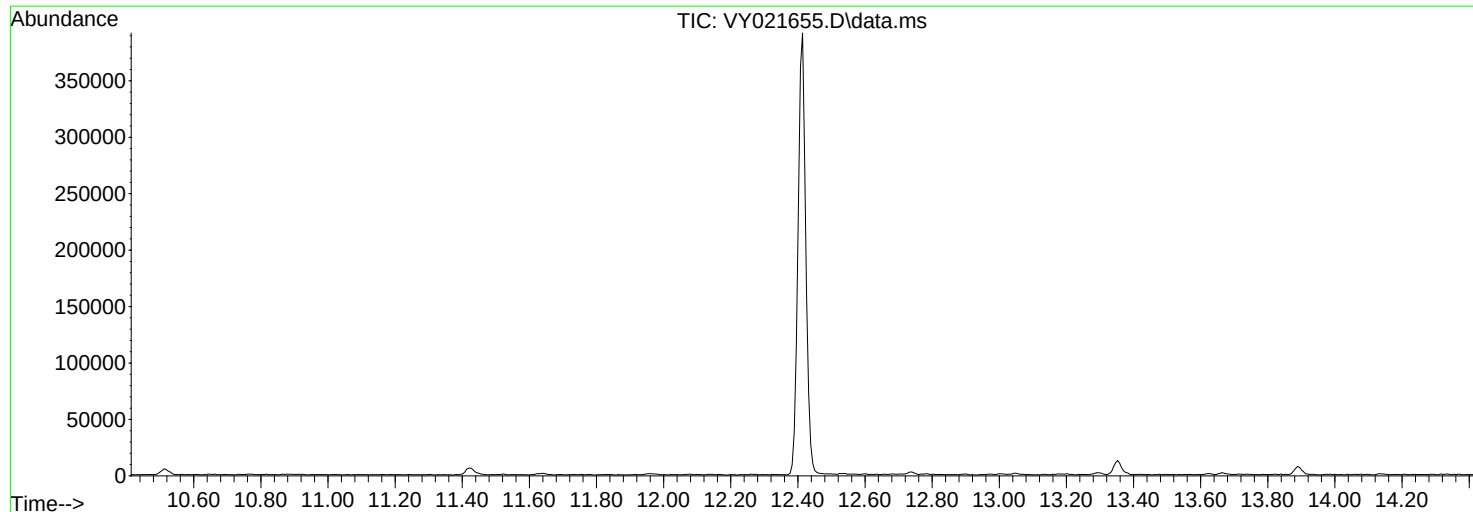
QC SAMPLE DATA

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

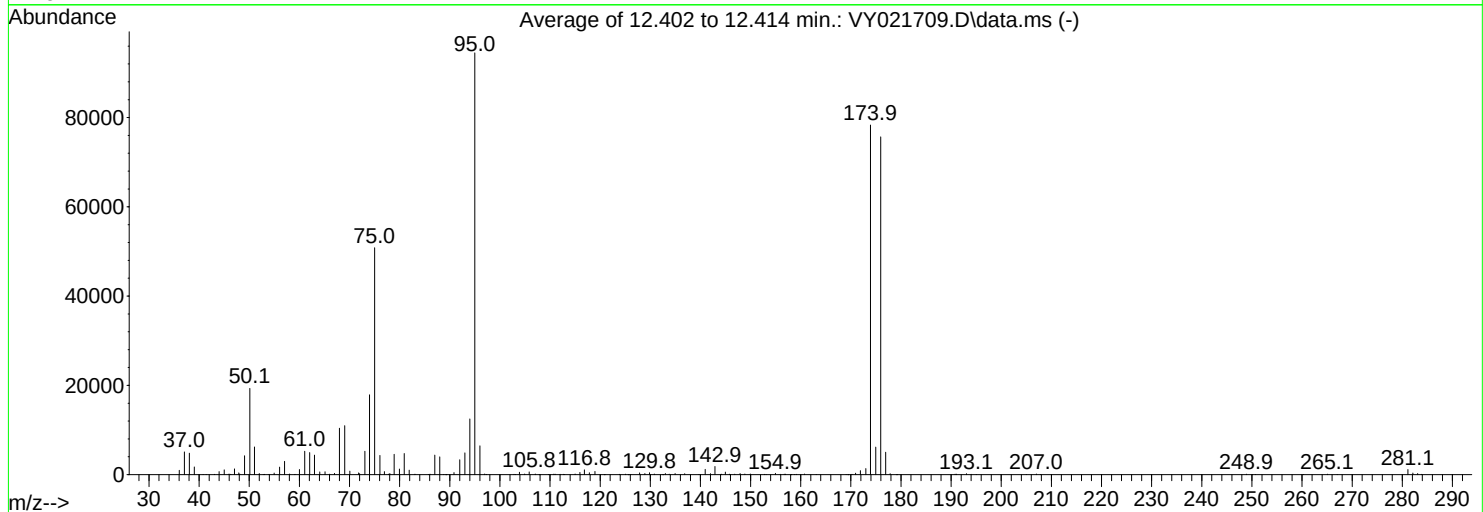
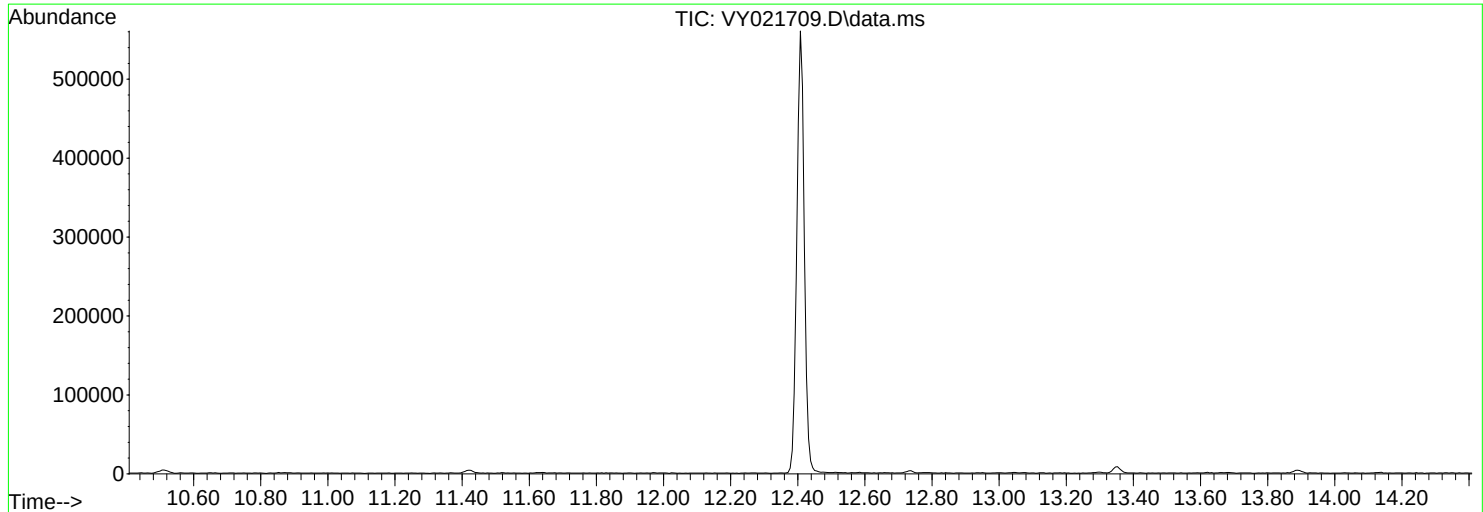
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	13171	PASS
75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021709.D
Acq On : 31 Mar 2025 09:37
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

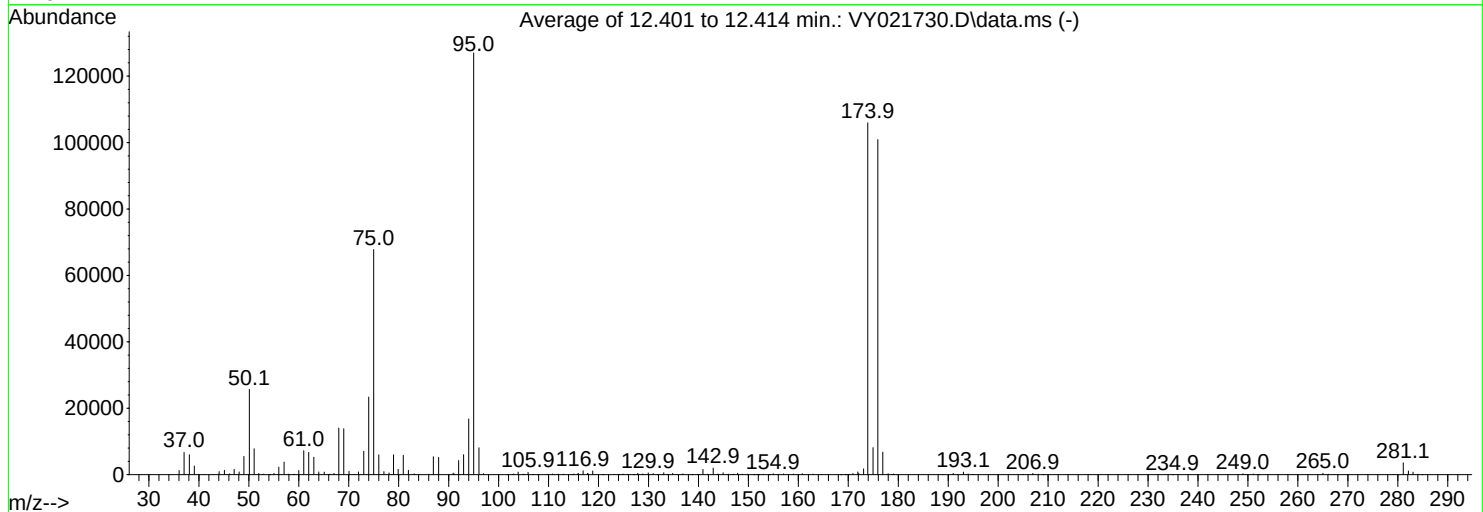
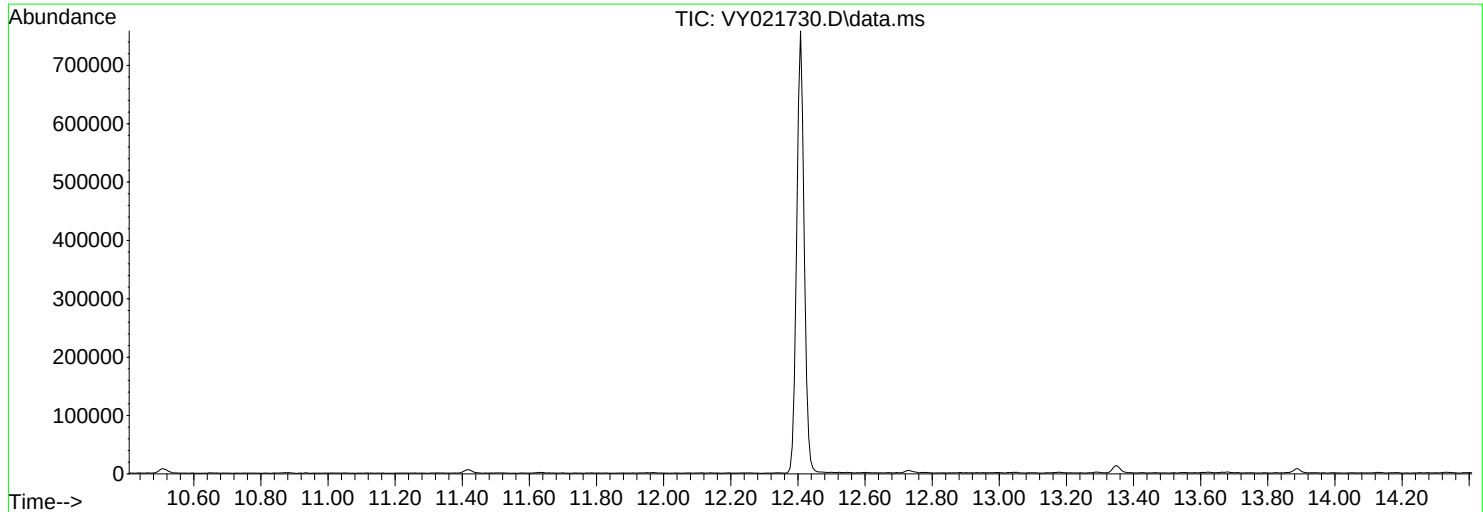
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	19320	PASS
75	95	30	60	53.8	50832	PASS
95	95	100	100	100.0	94491	PASS
96	95	5	9	6.8	6462	PASS
173	174	0.00	2	1.7	1358	PASS
174	95	50	100	82.9	78312	PASS
175	174	5	9	7.9	6153	PASS
176	174	95	101	96.6	75685	PASS
177	176	5	9	6.7	5035	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021730.D
Acq On : 01 Apr 2025 09:35
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 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	25683	PASS
75	95	30	60	53.4	67821	PASS
95	95	100	100	100.0	127021	PASS
96	95	5	9	6.4	8094	PASS
173	174	0.00	2	1.7	1751	PASS
174	95	50	100	83.4	105947	PASS
175	174	5	9	7.7	8175	PASS
176	174	95	101	95.2	100888	PASS
177	176	5	9	6.7	6803	PASS

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (38) - 130 (136)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	373000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.346			



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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0331SBL01		SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021711.D
 Acq On : 31 Mar 2025 11:04
 Operator : SY/MD
 Sample : VY0331SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

Quant Time: Apr 01 05:33:35 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	226309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	372547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140307	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123723	50.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.920%
35) Dibromofluoromethane	7.634	113	137529	50.133	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.260%
50) Toluene-d8	10.109	98	510346	48.901	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.408	95	150957	42.764	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.520%

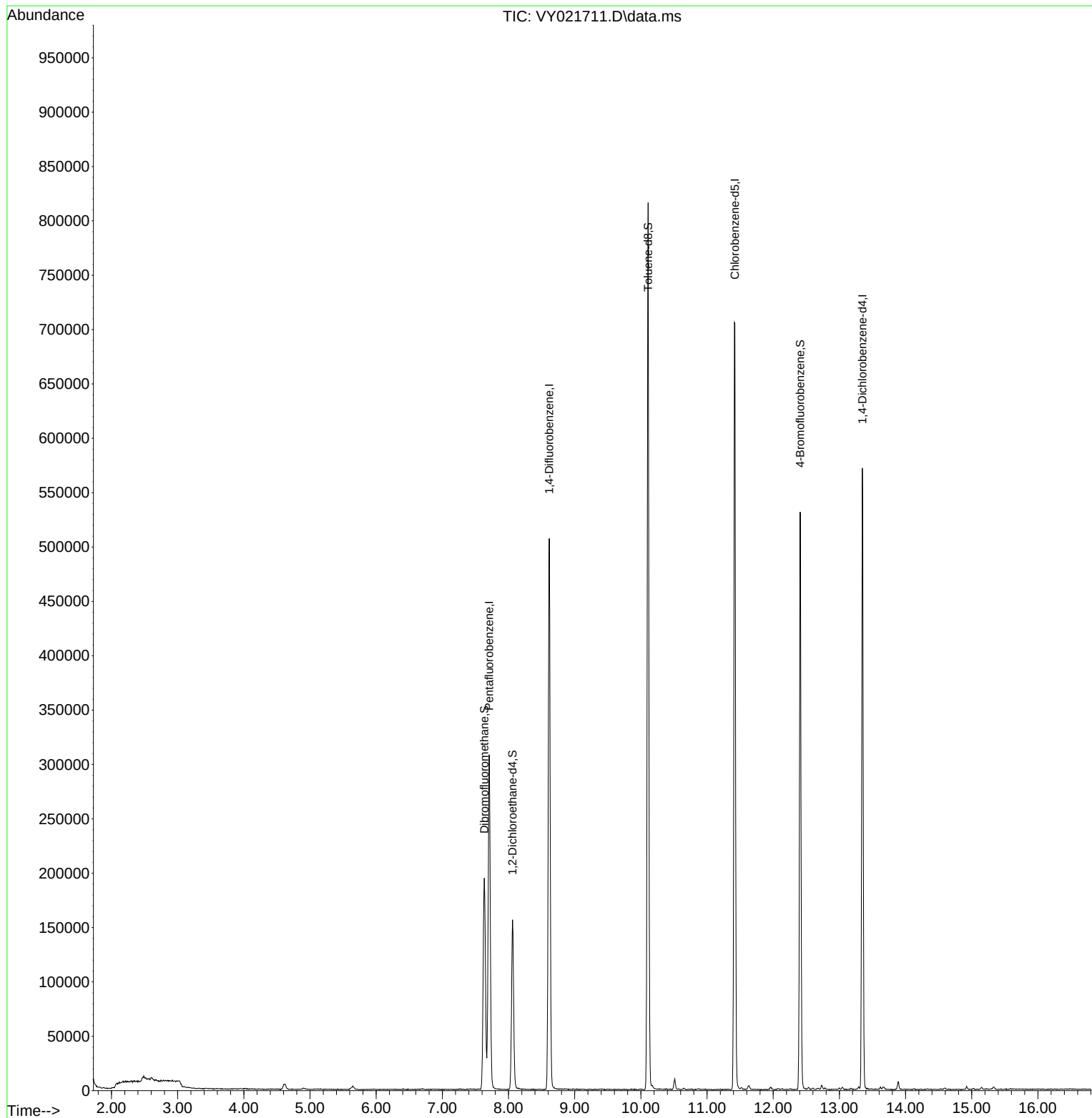
Target Compounds	Qvalue

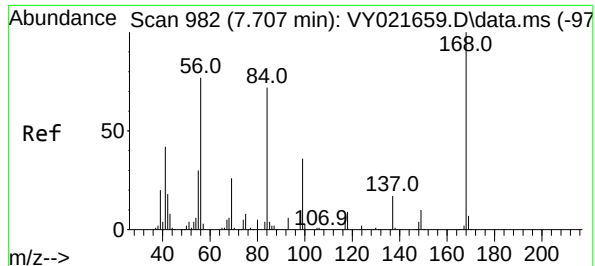
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Time: Apr 01 05:33:35 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

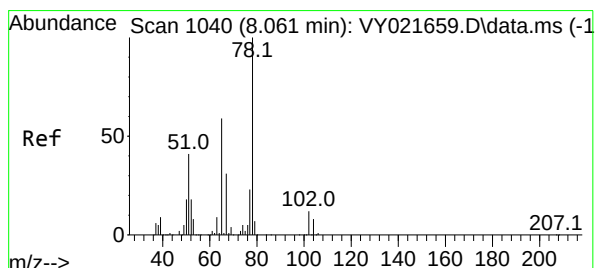
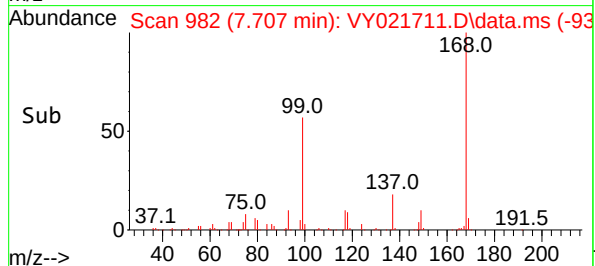
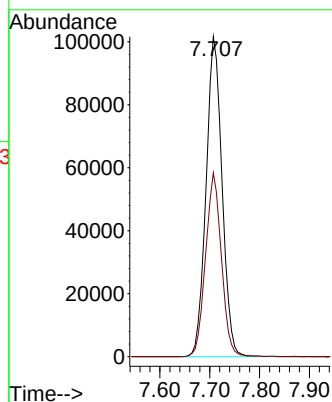
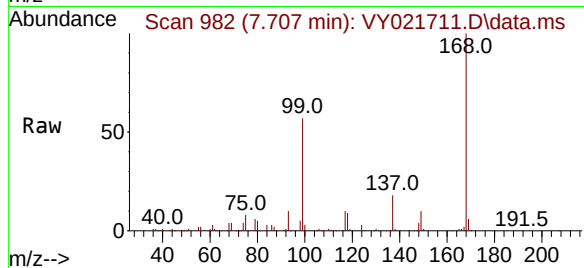




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

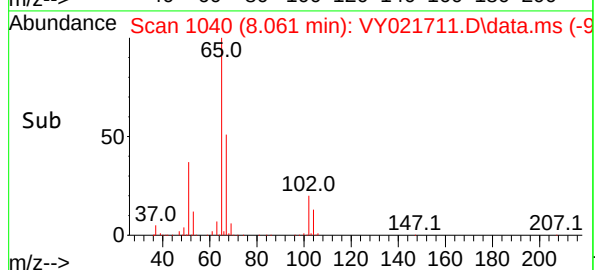
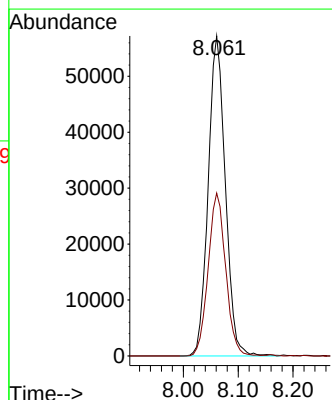
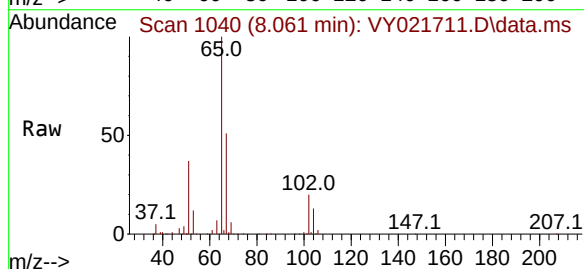
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

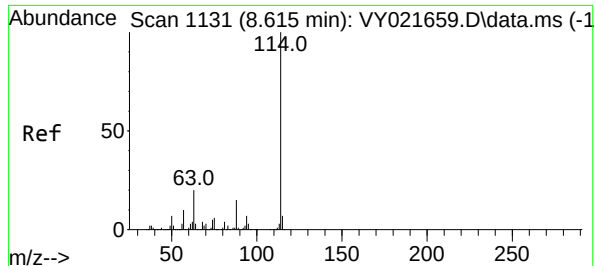
Tgt Ion:168 Resp: 226309
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 50.458 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion: 65 Resp: 123723
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: VY021711.D

Acq: 31 Mar 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBL01

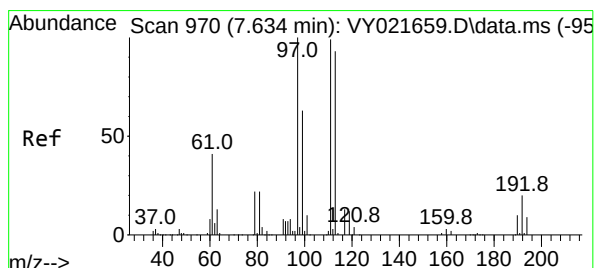
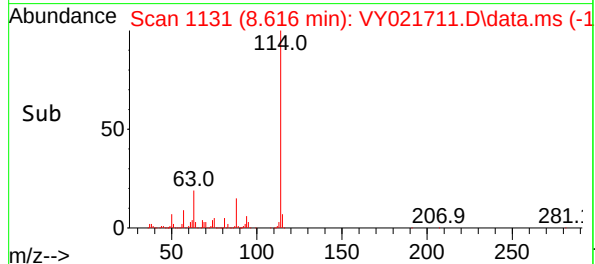
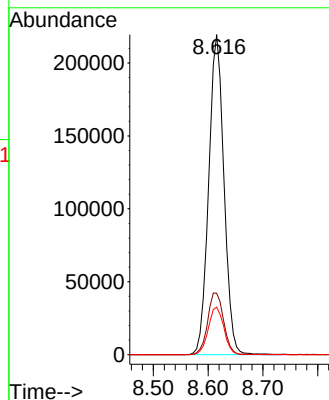
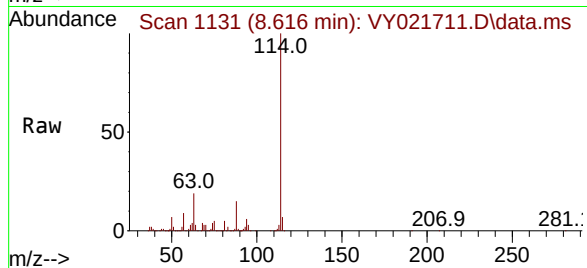
Tgt Ion:114 Resp: 422899

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.2

88 14.9 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.133 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021711.D

Acq: 31 Mar 2025 11:04

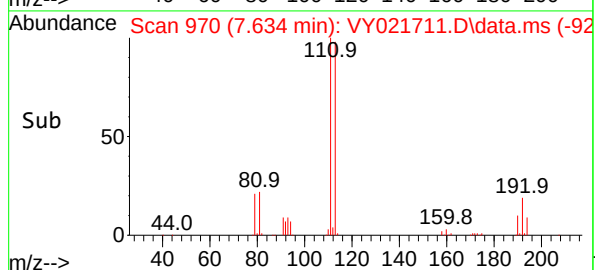
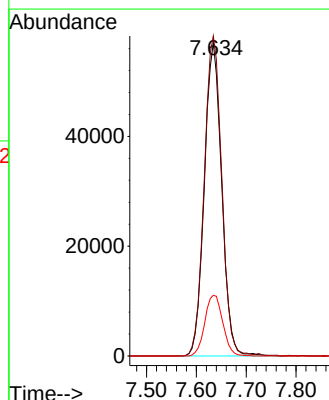
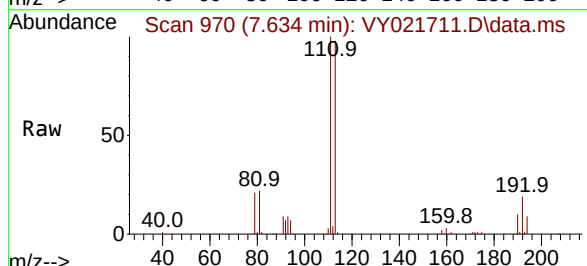
Tgt Ion:113 Resp: 137529

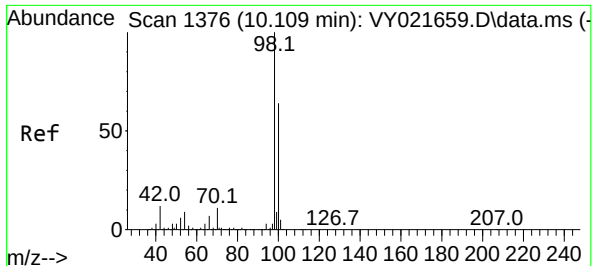
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 20.1 16.2 24.4

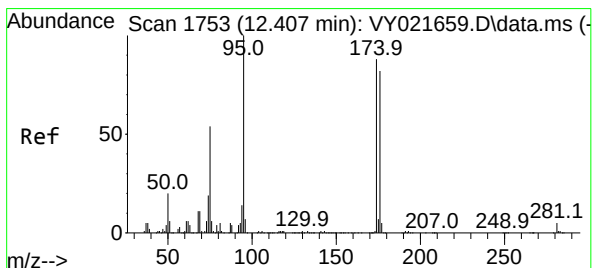
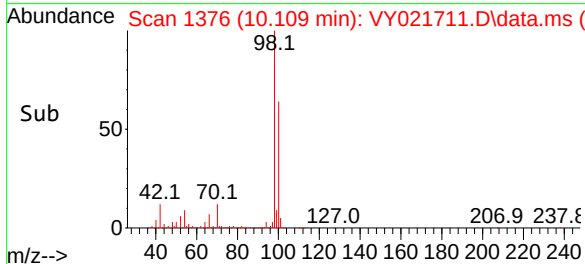
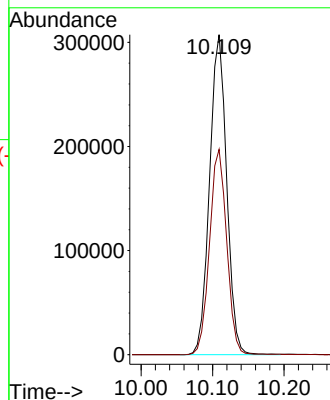
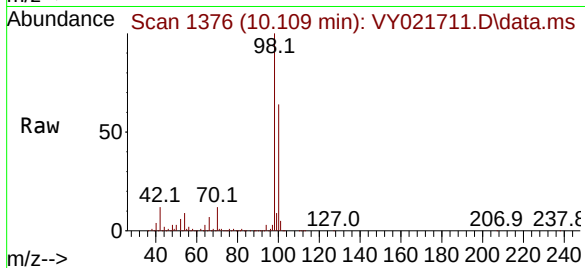




#50
Toluene-d8
Concen: 48.901 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

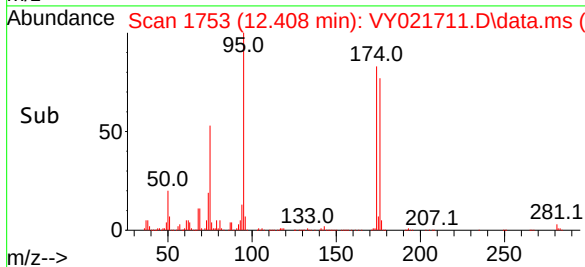
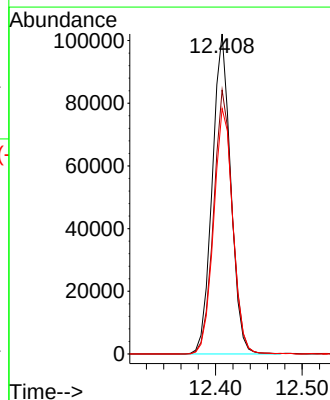
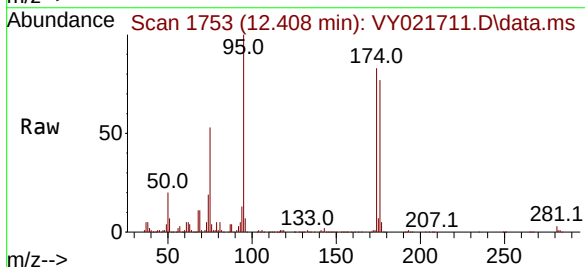
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

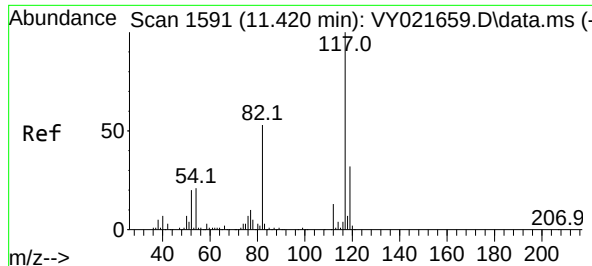
Tgt Ion: 98 Resp: 510346
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.764 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion: 95 Resp: 150957
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 79.8 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: VY021711.D

Acq: 31 Mar 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBL01

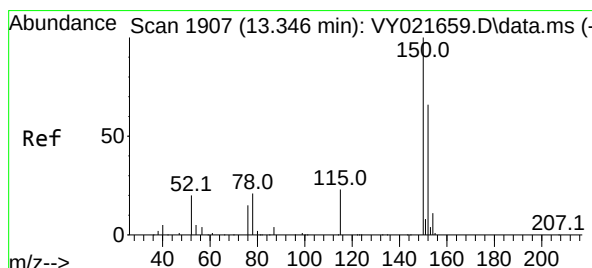
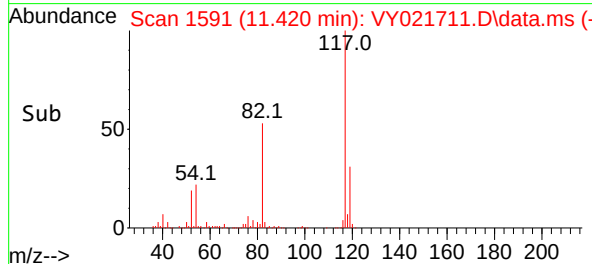
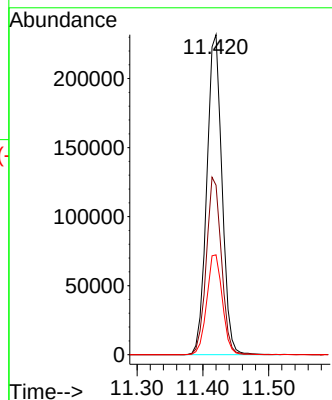
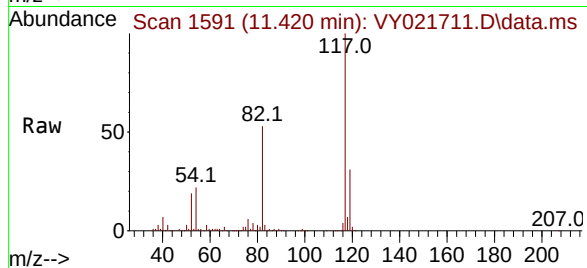
Tgt Ion:117 Resp: 372547

Ion Ratio Lower Upper

117 100

82 53.0 42.8 64.2

119 31.2 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: VY021711.D

Acq: 31 Mar 2025 11:04

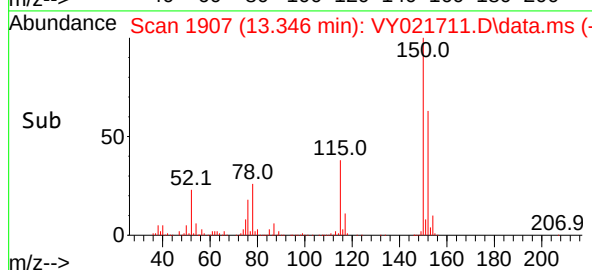
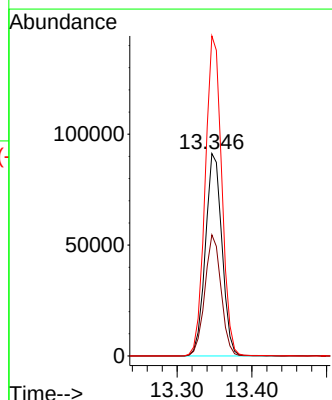
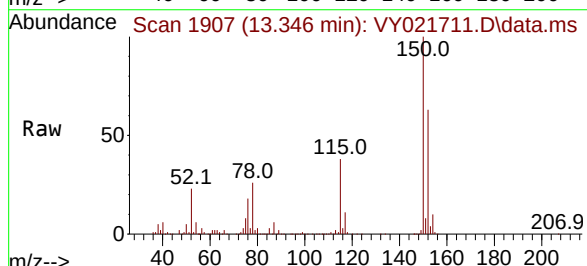
Tgt Ion:152 Resp: 140307

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 157.8 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021711.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	960	970	976	rBV	194391	472904	34.51%	6.999%
2	7.707	976	982	996	rVB	307335	685157	49.99%	10.140%
3	8.061	1031	1040	1050	rBV	156180	344781	25.16%	5.102%
4	8.616	1122	1131	1146	rBV	506736	1002112	73.12%	14.830%
5	10.109	1364	1376	1385	rBV	815899	1370453	100.00%	20.282%
6	10.512	1434	1442	1449	rBV2	9775	17672	1.29%	0.262%
7	11.414	1580	1590	1604	rBV	705813	1170680	85.42%	17.325%
8	12.408	1746	1753	1762	rBV	530961	820533	59.87%	12.143%
9	13.346	1900	1907	1917	rVB	570923	872832	63.69%	12.917%

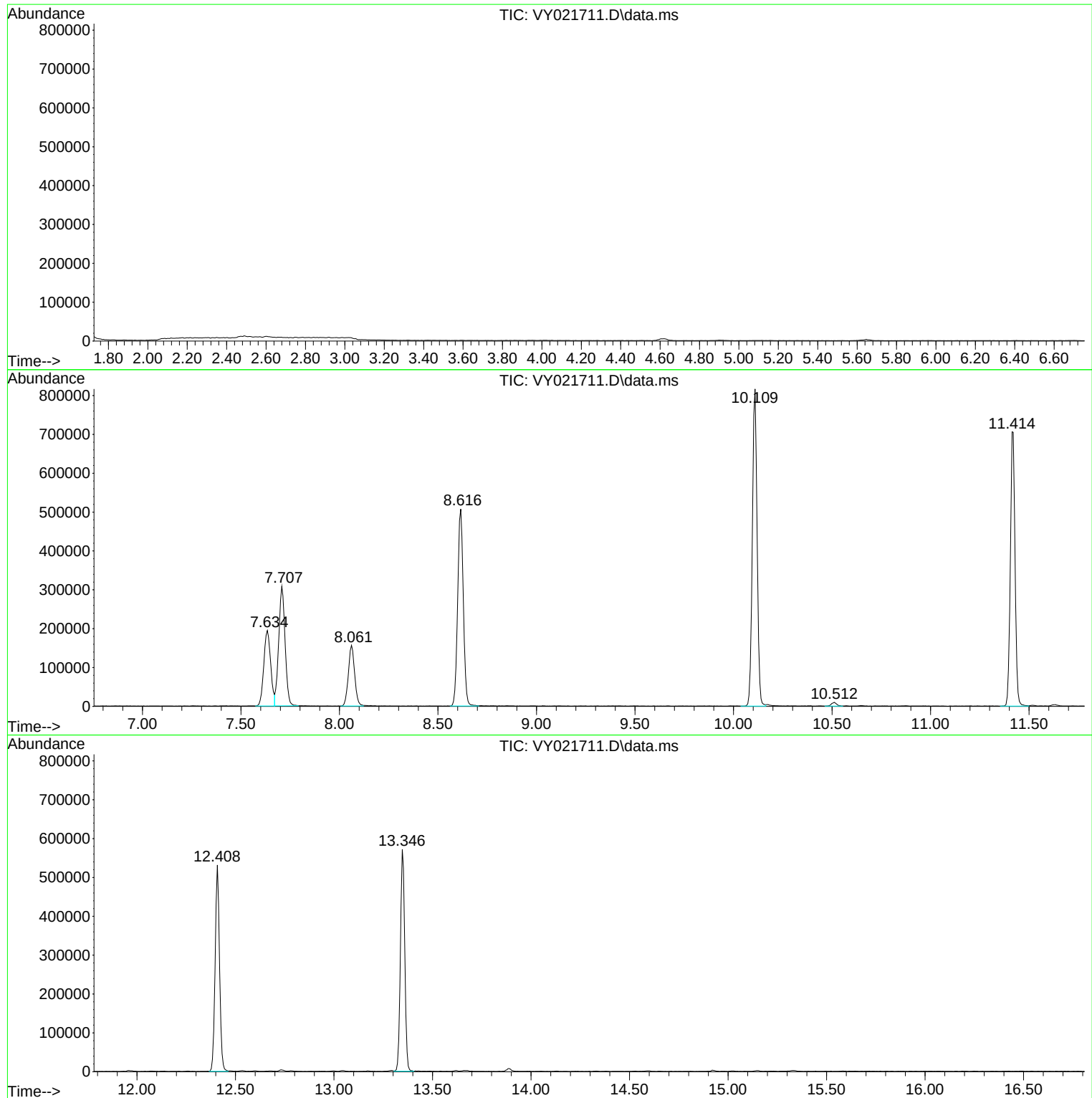
Sum of corrected areas: 6757124

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (38) - 130 (136)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	520000	8.61			
3114-55-4	Chlorobenzene-d5	478000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.347			



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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0401SBL01		SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021732.D
 Acq On : 01 Apr 2025 10:52
 Operator : SY/MD
 Sample : VY0401SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBL01

Quant Time: Apr 02 03:21:53 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	281152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	519589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	199303	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	160703	52.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.520%
35) Dibromofluoromethane	7.634	113	173925	51.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.200%
50) Toluene-d8	10.103	98	633876	49.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.408	95	205202	47.313	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.620%

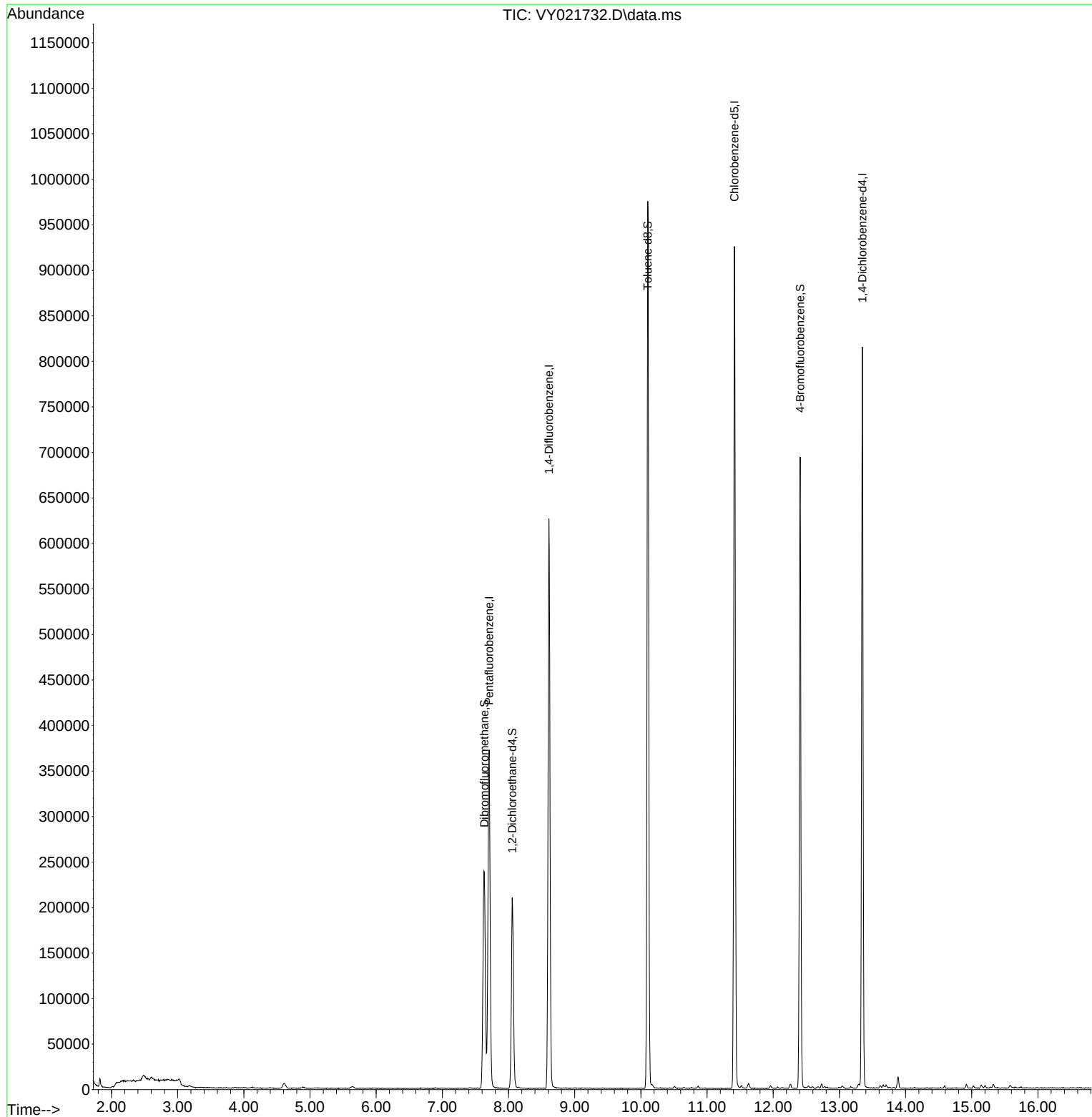
Target Compounds	Qvalue

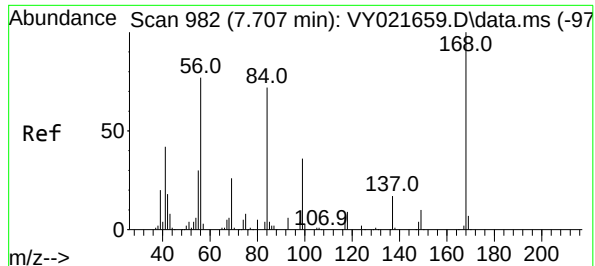
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Time: Apr 02 03:21:53 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

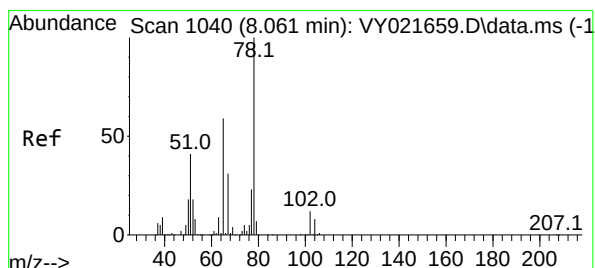
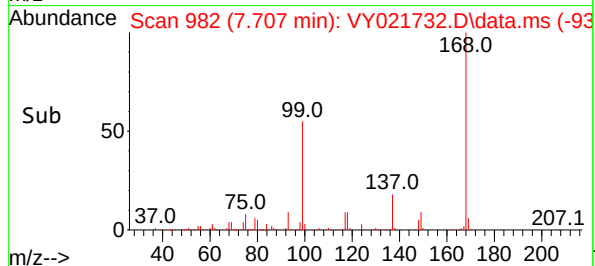
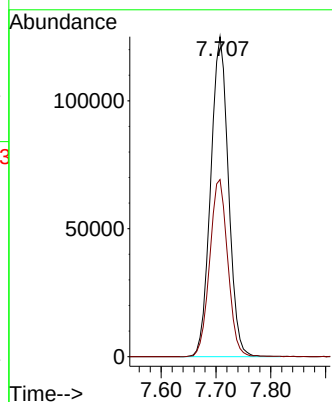
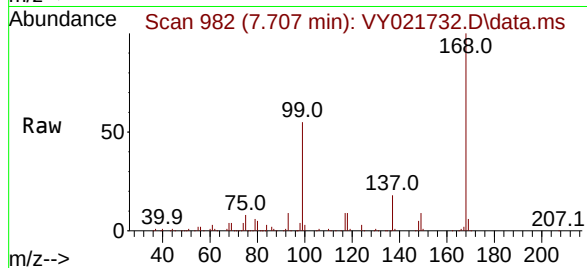




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

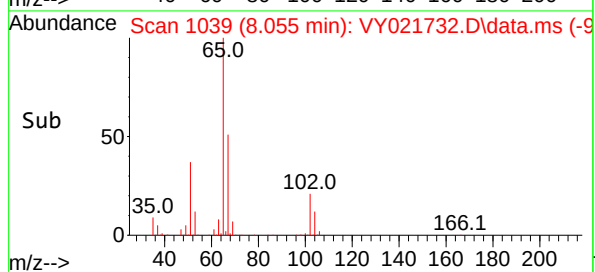
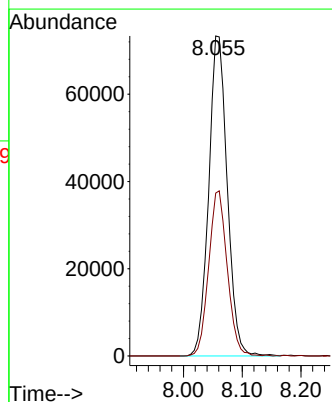
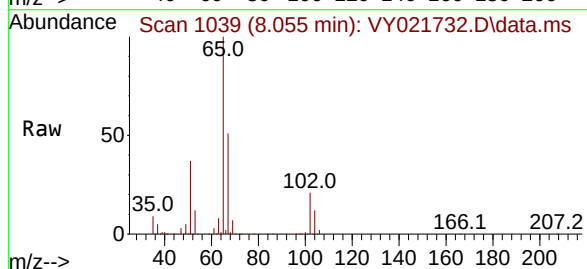
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

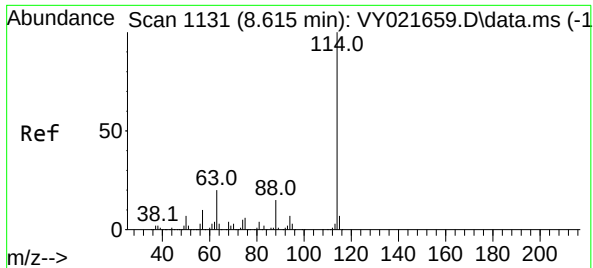
Tgt Ion:168 Resp: 281152
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.755 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion: 65 Resp: 160703
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021732.D

Acq: 01 Apr 2025 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBL01

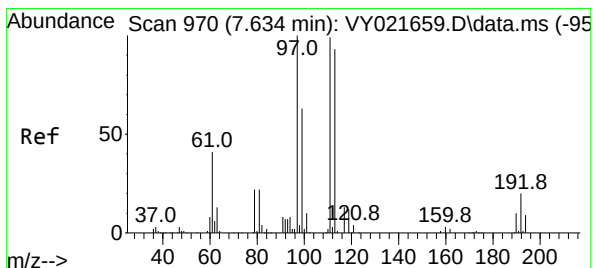
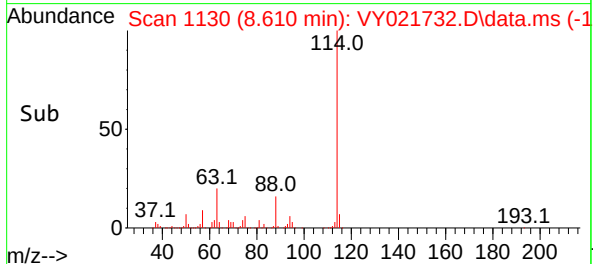
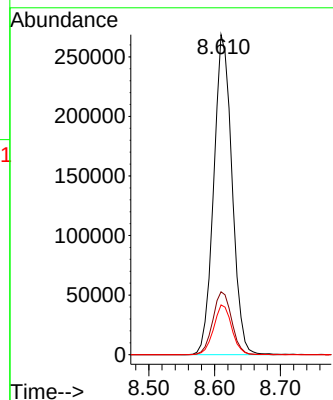
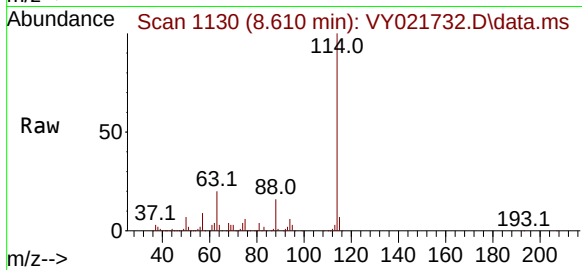
Tgt Ion:114 Resp: 519589

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 15.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.602 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021732.D

Acq: 01 Apr 2025 10:52

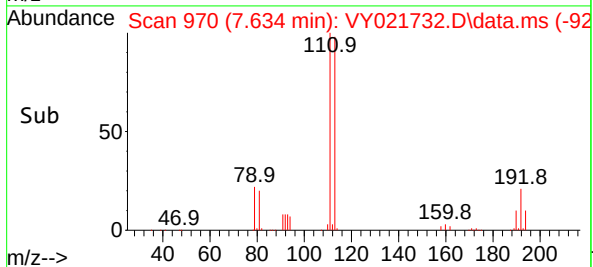
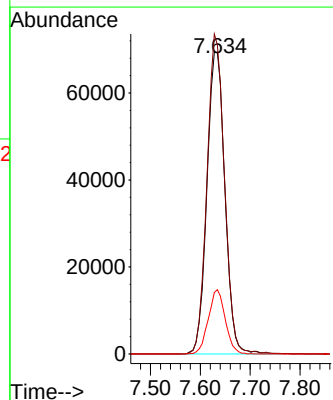
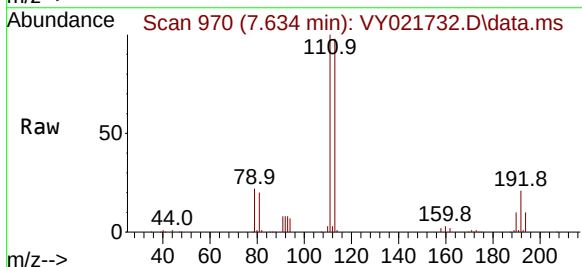
Tgt Ion:113 Resp: 173925

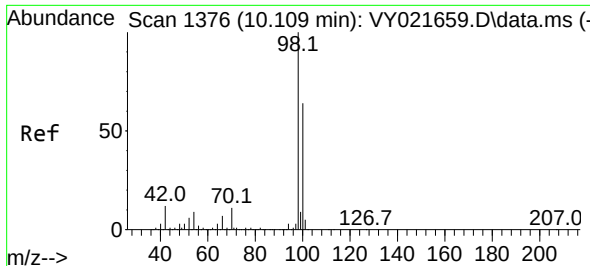
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 20.1 16.2 24.4

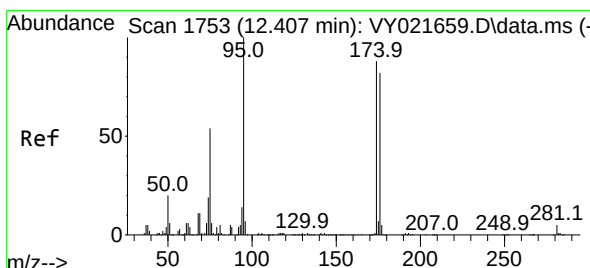
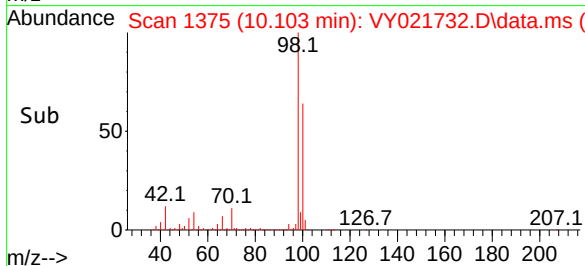
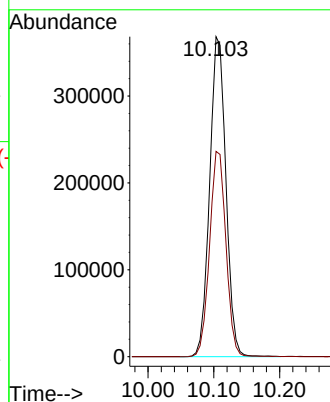
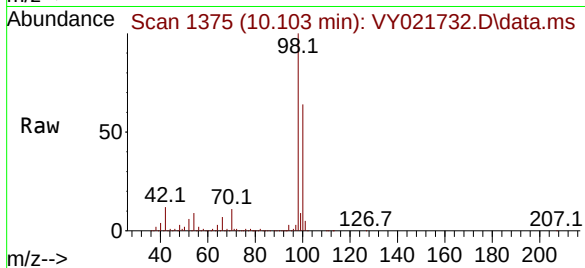




#50
Toluene-d8
Concen: 49.435 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

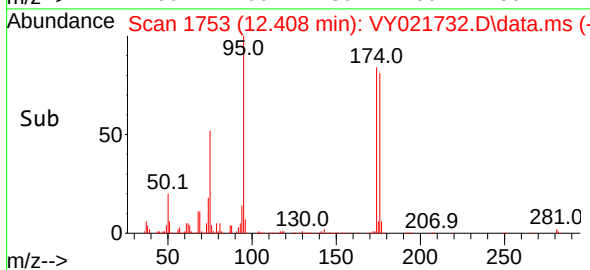
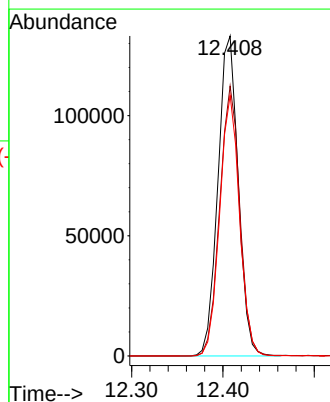
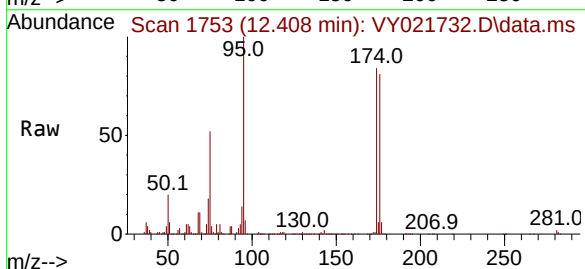
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

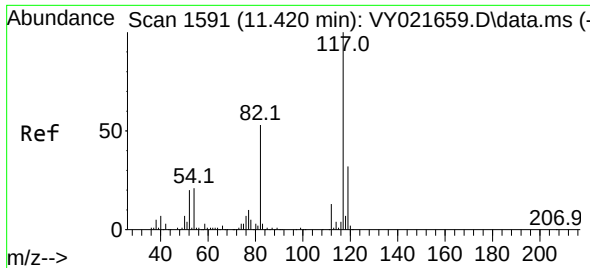
Tgt Ion: 98 Resp: 633876
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.313 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion: 95 Resp: 205202
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 79.7 0.0 162.0

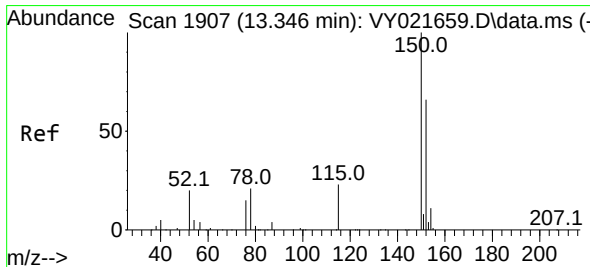
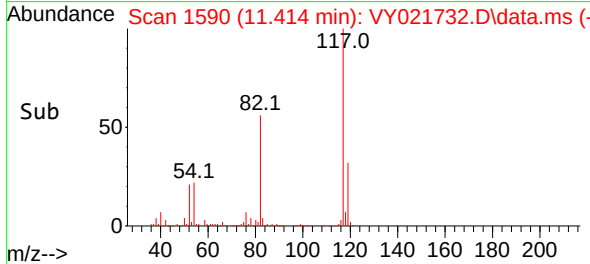
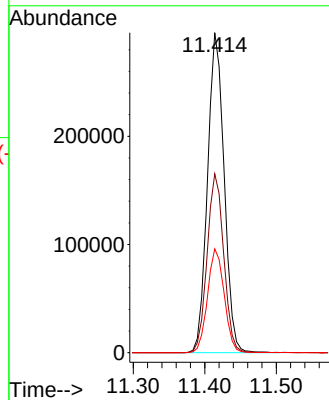
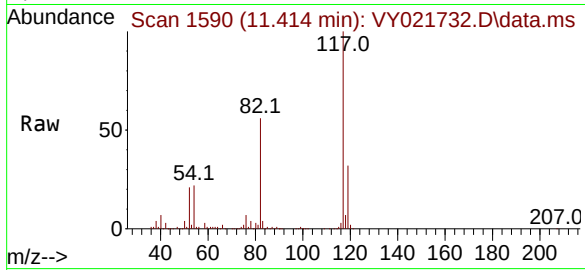




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

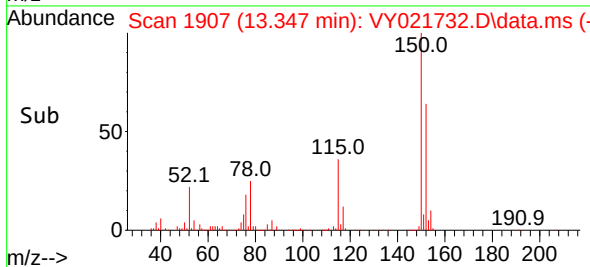
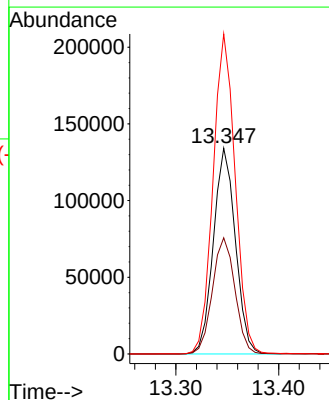
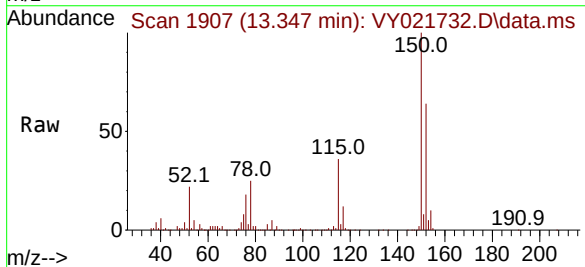
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:117 Resp: 477574
Ion Ratio Lower Upper
117 100
82 55.9 42.8 64.2
119 32.4 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: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion:152 Resp: 199303
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 156.5 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : SW846 8260

Signal : TIC: VY021732.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.628	958	969	975	rBV	238906	587089	34.74%	6.788%
2	7.707	975	982	998	rVB	371699	852345	50.44%	9.855%
3	8.055	1030	1039	1049	rBV2	209441	453632	26.84%	5.245%
4	8.610	1122	1130	1141	rBV	625759	1223619	72.41%	14.147%
5	10.103	1366	1375	1384	rBV	974595	1689893	100.00%	19.538%
6	11.414	1582	1590	1604	rBV	924860	1503514	88.97%	17.383%
7	12.408	1744	1753	1762	rBV	693714	1088395	64.41%	12.584%
8	13.347	1900	1907	1919	rVB	813462	1228179	72.68%	14.200%
9	13.883	1989	1995	2003	rBV2	12655	22517	1.33%	0.260%

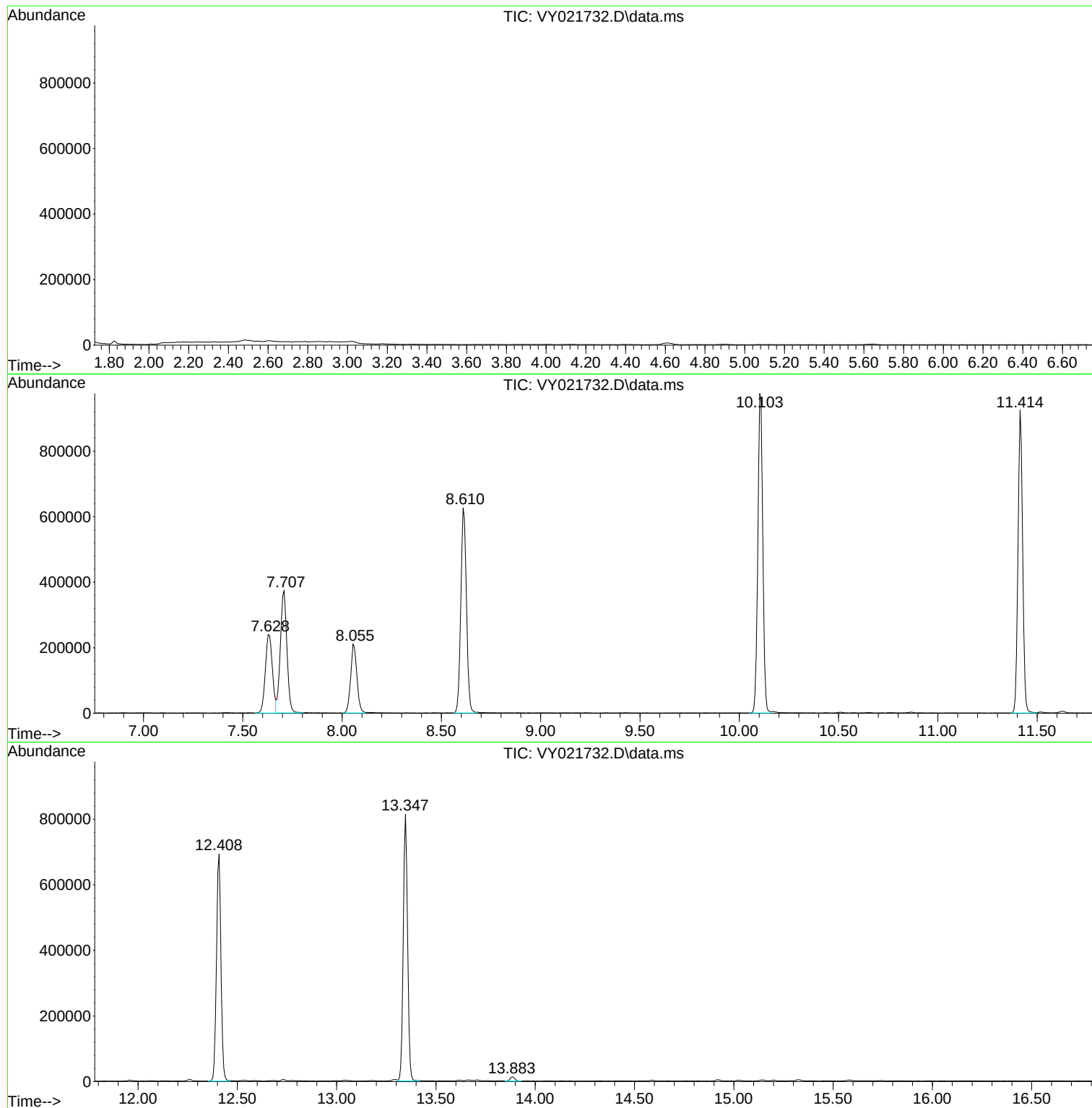
Sum of corrected areas: 8649183

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		1.00	5.00	ug/Kg
67-64-1	Acetone	95.6		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	90.9		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.91	5.00	ug/Kg
71-43-2	Benzene	19.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.707			
540-36-3	1,4-Difluorobenzene	328000	8.615			
3114-55-4	Chlorobenzene-d5	292000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021712.D
 Acq On : 31 Mar 2025 11:43
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:33:57 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	209979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	327567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114544	50.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.634	113	112006	52.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	421935	52.196	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.407	95	139565	51.043	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	42694	19.617	ug/l	99
3) Chloromethane	2.068	50	59061	19.299	ug/l	99
4) Vinyl Chloride	2.202	62	66406	19.187	ug/l	100
5) Bromomethane	2.592	94	48623	20.599	ug/l	99
6) Chloroethane	2.732	64	44015	19.435	ug/l	97
7) Trichlorofluoromethane	3.055	101	86708	19.558	ug/l	96
8) Diethyl Ether	3.452	74	22675	18.807	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46607	19.932	ug/l	98
10) Methyl Iodide	4.007	142	43781	17.067	ug/l	98
11) Tert butyl alcohol	4.860	59	13209	89.388	ug/l	98
12) 1,1-Dichloroethene	3.793	96	42010	19.074	ug/l	91
13) Acrolein	3.647	56	20472	75.872	ug/l	99
14) Allyl chloride	4.378	41	67154	19.123	ug/l	99
15) Acrylonitrile	5.061	53	46751	92.869	ug/l	99
16) Acetone	3.866	43	44494	95.560	ug/l	98
17) Carbon Disulfide	4.104	76	136937	18.877	ug/l	99
18) Methyl Acetate	4.385	43	22222	19.257	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	102080	18.616	ug/l	99
20) Methylene Chloride	4.616	84	51551	20.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46975	19.371	ug/l	95
22) Diisopropyl ether	6.018	45	145363	19.733	ug/l	97
23) Vinyl Acetate	5.957	43	402538	93.408	ug/l	99
24) 1,1-Dichloroethane	5.915	63	87037	19.759	ug/l	99
25) 2-Butanone	6.890	43	60441	90.883	ug/l	100
26) 2,2-Dichloropropane	6.884	77	76700	19.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53359	19.566	ug/l	98
28) Bromochloromethane	7.244	49	36351	19.568	ug/l	96
29) Tetrahydrofuran	7.262	42	39804	92.997	ug/l	99
30) Chloroform	7.421	83	90776	19.814	ug/l	99
31) Cyclohexane	7.701	56	74083	18.450	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	82041	19.813	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62556	19.328	ug/l	97
37) Ethyl Acetate	6.988	43	28539	18.684	ug/l	99
38) Carbon Tetrachloride	7.817	117	74182	20.012	ug/l	96
39) Methylcyclohexane	9.109	83	72833	18.838	ug/l	97
40) Benzene	8.079	78	191618	19.770	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021712.D
 Acq On : 31 Mar 2025 11:43
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:33:57 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	7.225	41	16227m	20.004	ug/l	
42) 1,2-Dichloroethane	8.158	62	54319	19.879	ug/l	99
43) Isopropyl Acetate	8.195	43	52723	18.214	ug/l	99
44) Trichloroethene	8.865	130	49144	19.900	ug/l	98
45) 1,2-Dichloropropane	9.140	63	46508	20.271	ug/l	99
46) Dibromomethane	9.231	93	26264	19.863	ug/l	99
47) Bromodichloromethane	9.420	83	68455	19.980	ug/l	97
48) Methyl methacrylate	9.219	41	23970	18.043	ug/l	98
49) 1,4-Dioxane	9.225	88	5445	384.406	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	138649	92.043	ug/l	100
52) Toluene	10.170	92	121643	20.115	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	59086	19.416	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	70169	19.545	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	33939	19.946	ug/l	98
56) Ethyl methacrylate	10.438	69	39458	18.161	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57715	19.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	101196	95.474	ug/l	98
59) 2-Hexanone	10.761	43	90774	90.484	ug/l	98
60) Dibromochloromethane	10.914	129	46243	19.905	ug/l	99
61) 1,2-Dibromoethane	11.011	107	31289	19.602	ug/l	99
64) Tetrachloroethene	10.646	164	53898	20.297	ug/l	98
65) Chlorobenzene	11.444	112	130206	19.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	46738	19.709	ug/l	98
67) Ethyl Benzene	11.517	91	219797	19.178	ug/l	100
68) m/p-Xylenes	11.627	106	170854	38.930	ug/l	99
69) o-Xylene	11.956	106	77769	19.197	ug/l	99
70) Styrene	11.969	104	133024	19.694	ug/l	99
71) Bromoform	12.133	173	27019	19.974	ug/l #	98
73) Isopropylbenzene	12.255	105	209283	19.380	ug/l	100
74) N-amyl acetate	12.072	43	44341	17.495	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37610	19.371	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	23540m	16.333	ug/l	
77) Bromobenzene	12.536	156	50810	19.596	ug/l	98
78) n-propylbenzene	12.596	91	255379	19.670	ug/l	100
79) 2-Chlorotoluene	12.682	91	149058	19.767	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	173479	19.655	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11906	19.034	ug/l	96
82) 4-Chlorotoluene	12.779	91	153149	19.480	ug/l	99
83) tert-Butylbenzene	12.999	119	150109	19.095	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	171420	19.651	ug/l	100
85) sec-Butylbenzene	13.176	105	225682	19.644	ug/l	99
86) p-Isopropyltoluene	13.291	119	186815	19.674	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	102433	20.052	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	100004	19.814	ug/l	99
89) n-Butylbenzene	13.621	91	169456	19.297	ug/l	99
90) Hexachloroethane	13.883	117	40626	19.524	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	88038	19.797	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5686	18.895	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	44234	18.342	ug/l	98
94) Hexachlorobutadiene	15.029	225	28512	18.931	ug/l	98
95) Naphthalene	15.145	128	64689	16.183	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	36636	17.815	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:33:57 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

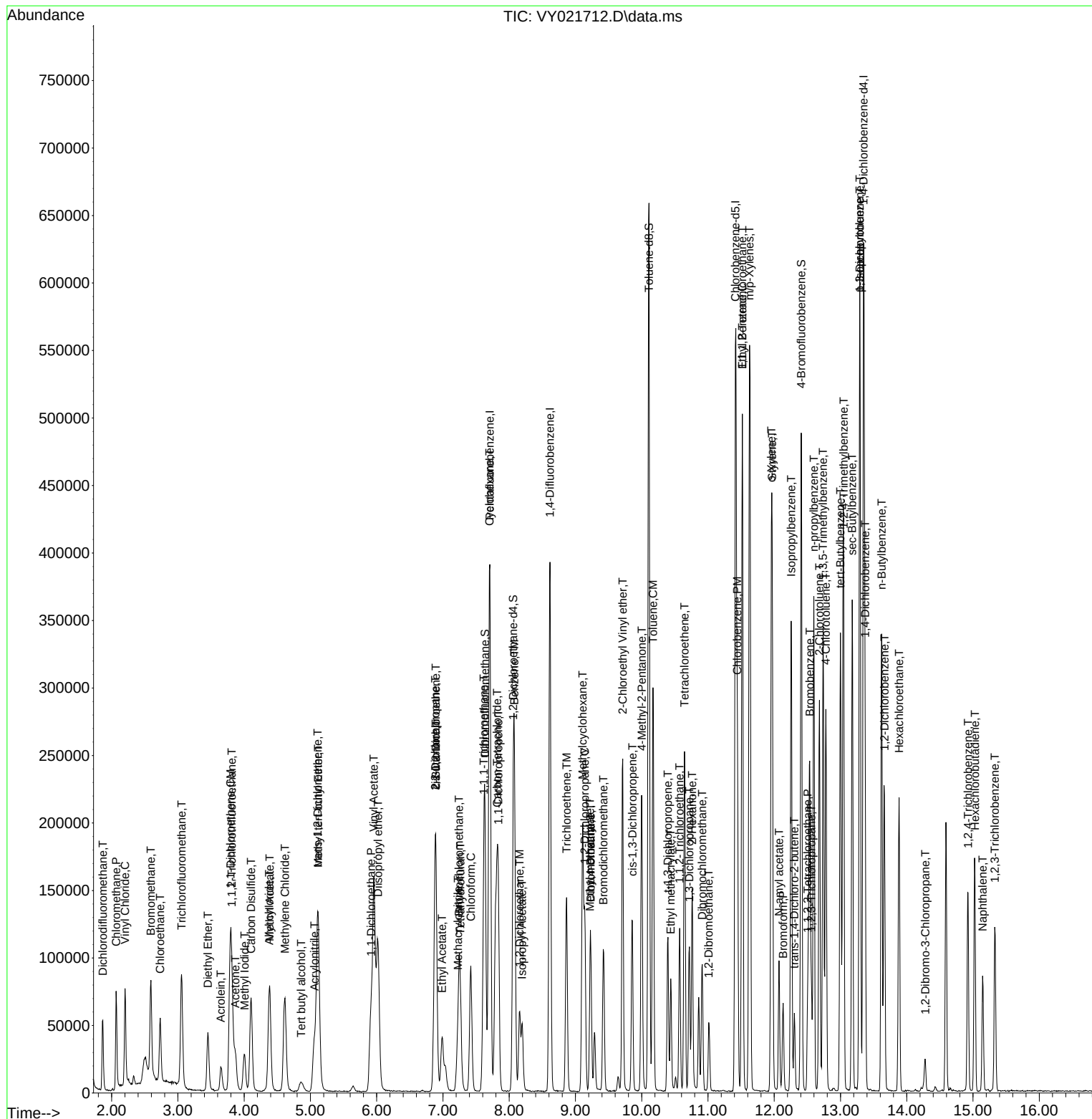
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Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

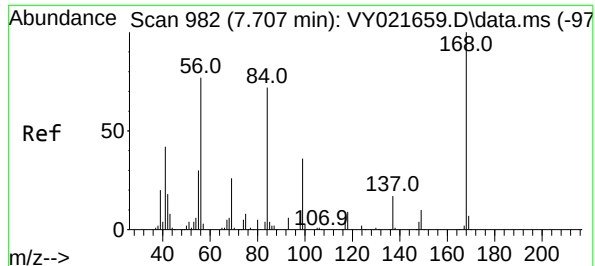
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:33:57 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





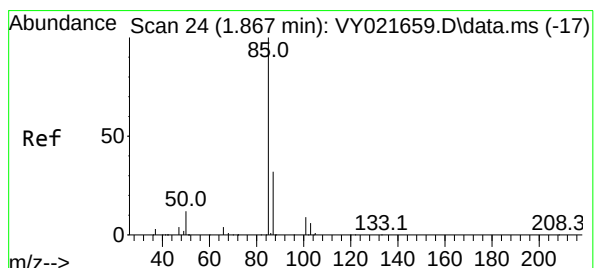
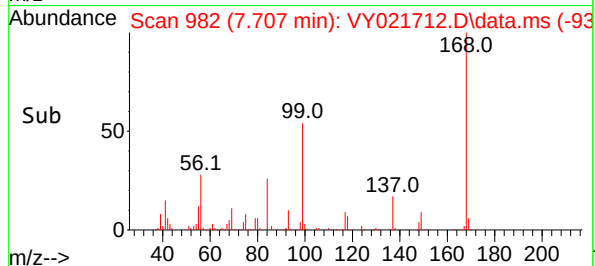
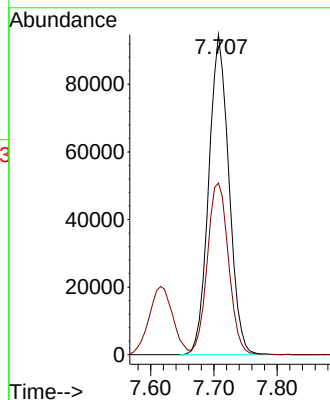
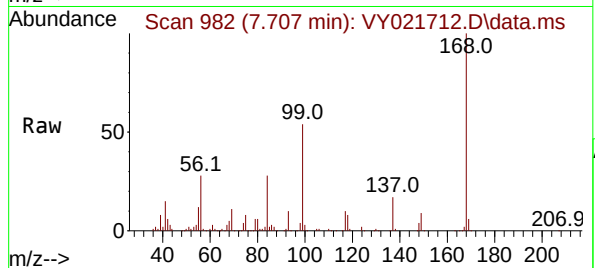
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:168 Resp: 209979
Ion Ratio Lower Upper
168 100
99 53.6 46.7 70.1

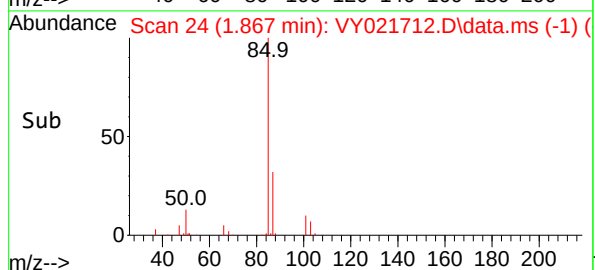
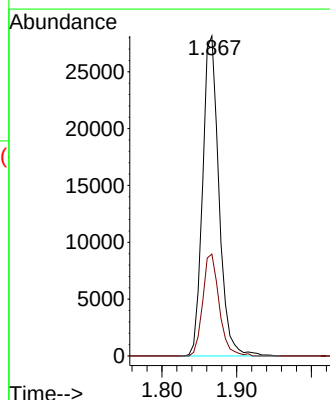
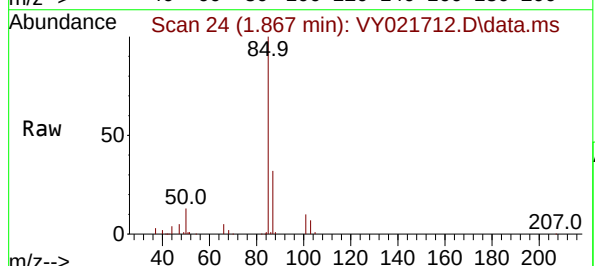
Manual Integrations
APPROVED

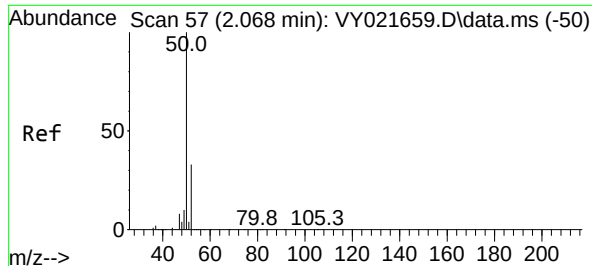
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#2
Dichlorodifluoromethane
Concen: 19.617 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 85 Resp: 42694
Ion Ratio Lower Upper
85 100
87 31.9 16.2 48.6





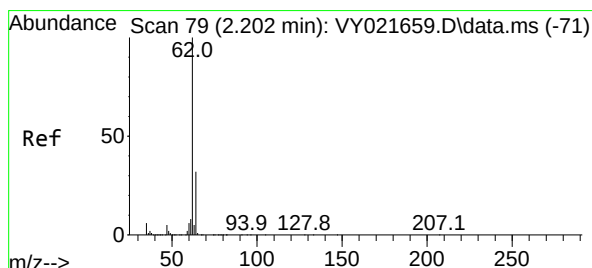
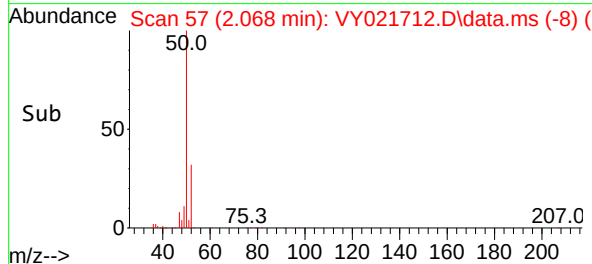
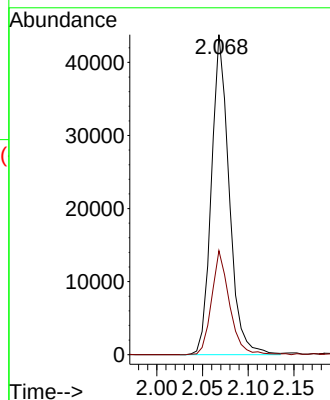
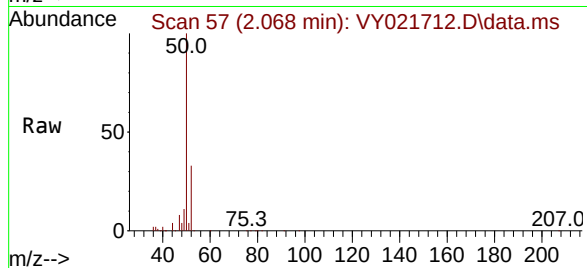
#3
Chloromethane
Concen: 19.299 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 50 Resp: 5906
Ion Ratio Lower Upper
50 100
52 32.5 26.3 39.5

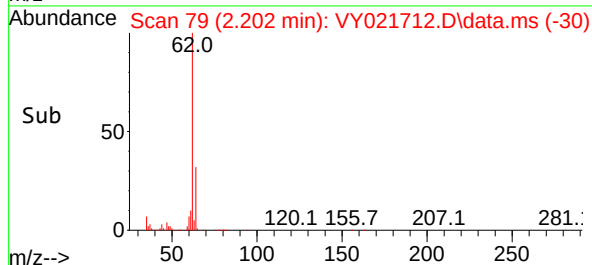
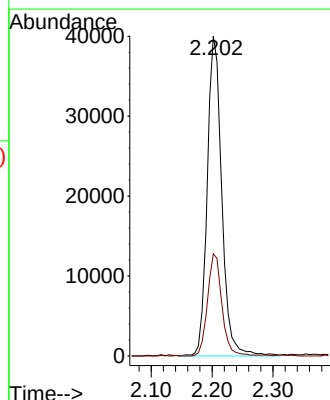
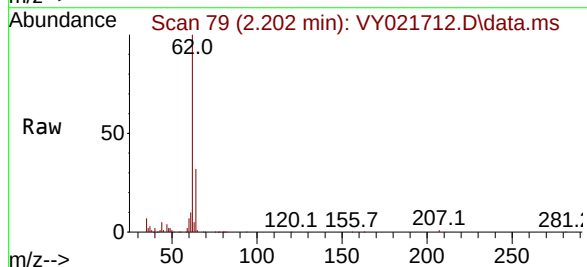
Manual Integrations
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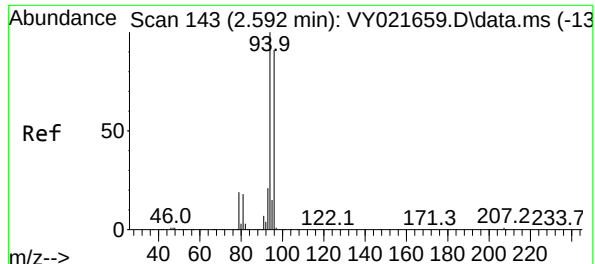
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#4
Vinyl Chloride
Concen: 19.187 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

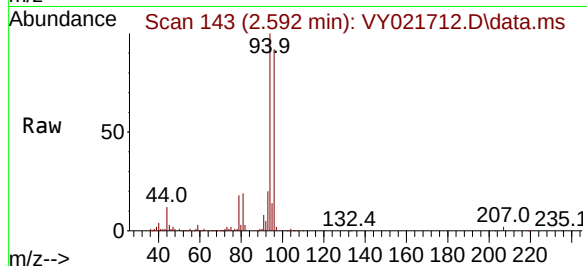
Tgt Ion: 62 Resp: 66406
Ion Ratio Lower Upper
62 100
64 32.0 25.5 38.3





#5
Bromomethane
Concen: 20.599 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

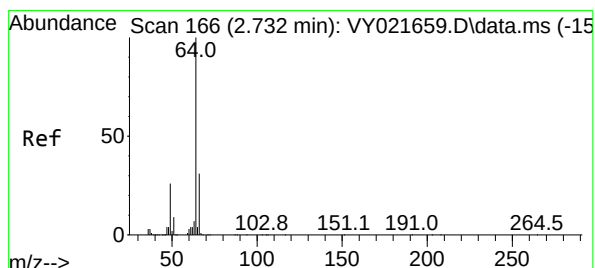
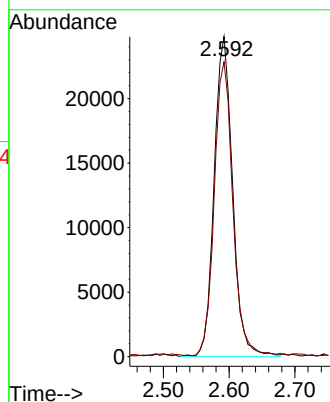
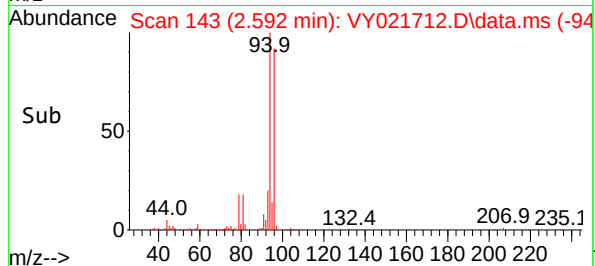
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 94 Resp: 4862
Ion Ratio Lower Upper
94 100
96 91.5 72.8 109.2

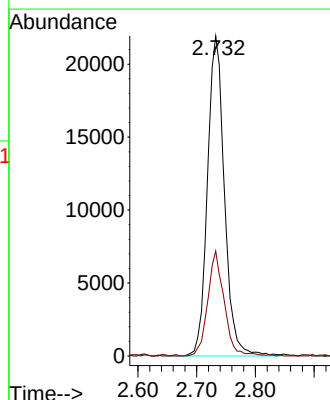
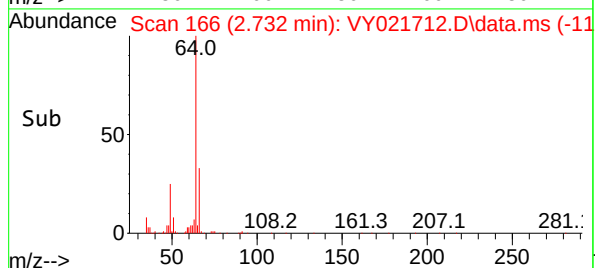
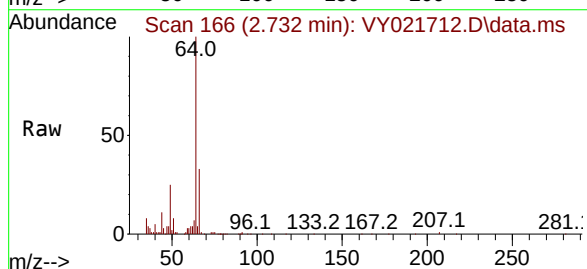
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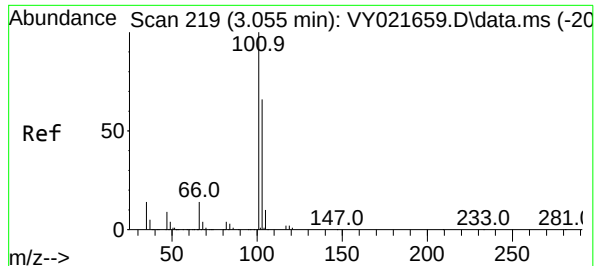
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#6
Chloroethane
Concen: 19.435 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

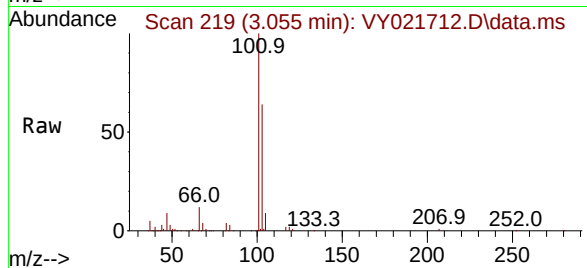
Tgt Ion: 64 Resp: 44015
Ion Ratio Lower Upper
64 100
66 32.8 24.9 37.3





#7
Trichlorofluoromethane
Concen: 19.558 ug/l
RT: 3.055 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

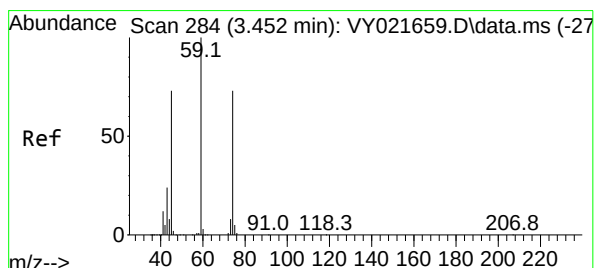
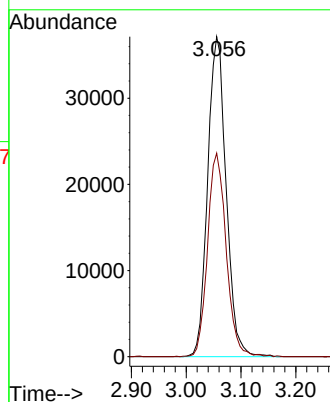
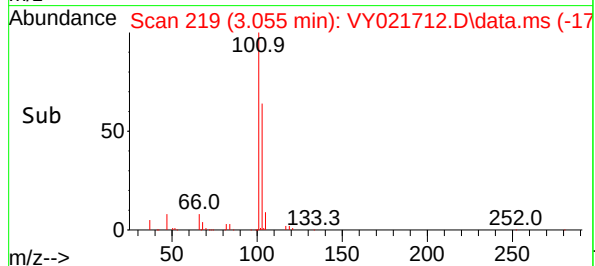
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion:101 Resp: 86708
Ion Ratio Lower Upper
101 100
103 63.6 53.1 79.7

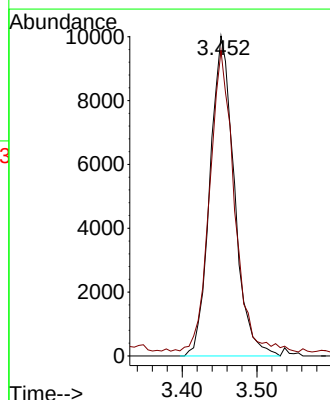
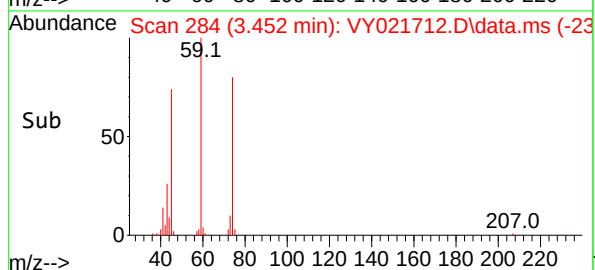
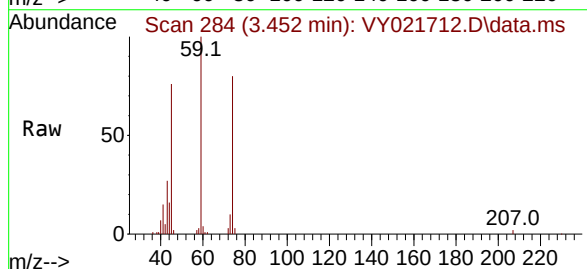
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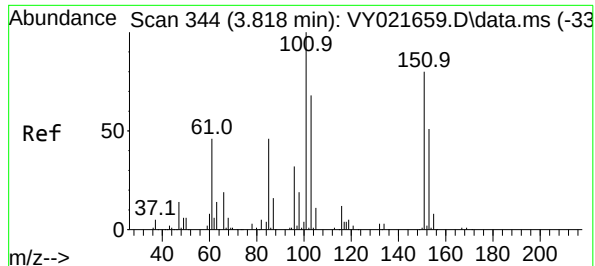
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#8
Diethyl Ether
Concen: 18.807 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 74 Resp: 22675
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.8





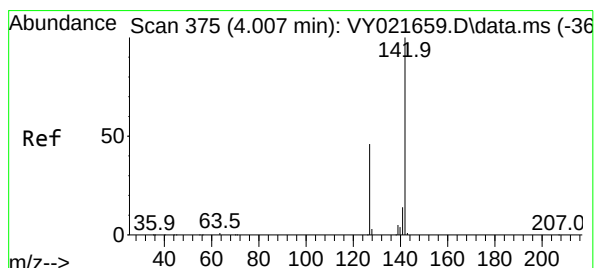
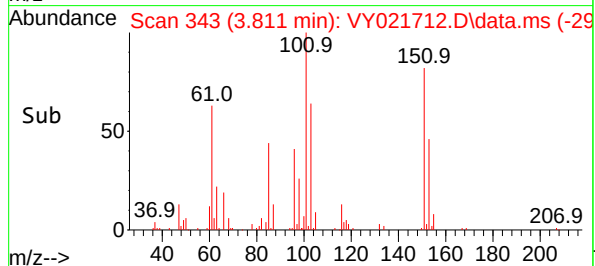
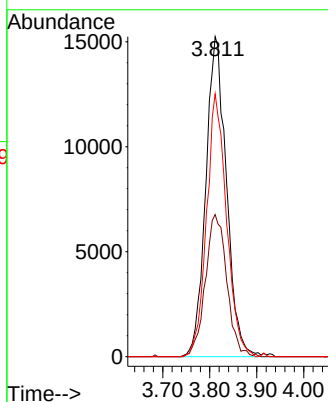
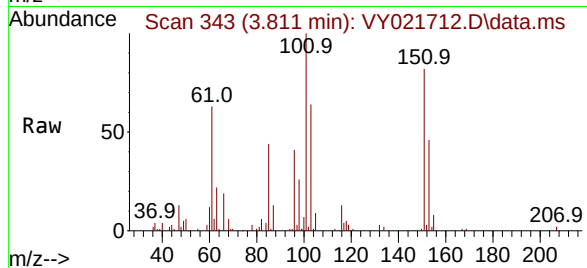
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.932 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:101 Resp: 4660
Ion Ratio Lower Upper
101 100
85 46.0 36.3 54.5
151 79.1 61.3 91.9

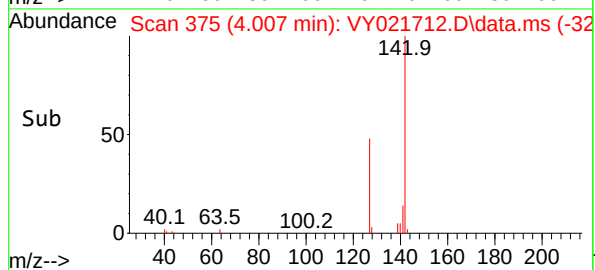
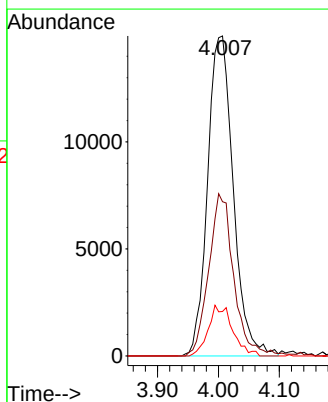
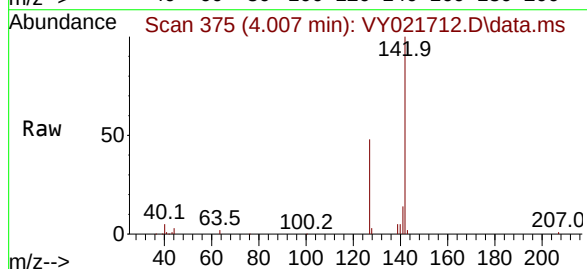
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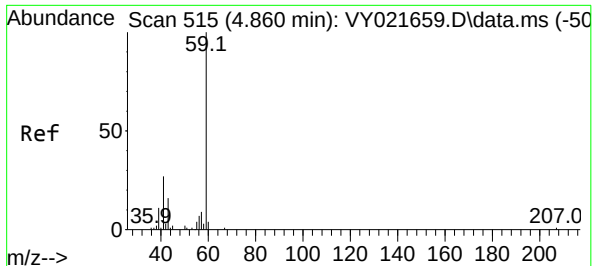
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#10
Methyl Iodide
Concen: 17.067 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion:142 Resp: 43781
Ion Ratio Lower Upper
142 100
127 49.5 38.7 58.1
141 14.9 11.5 17.3





#11

Tert butyl alcohol

Concen: 89.388 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 59 Resp: 13209

Ion Ratio Lower Upper

59 100

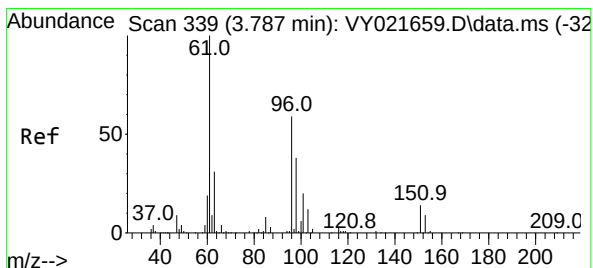
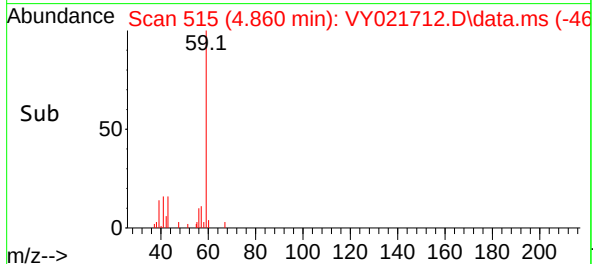
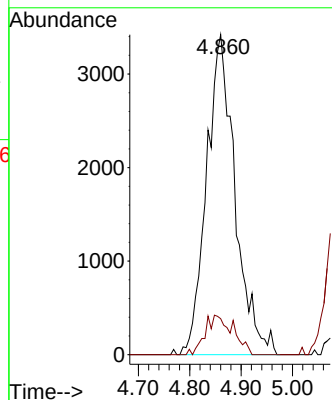
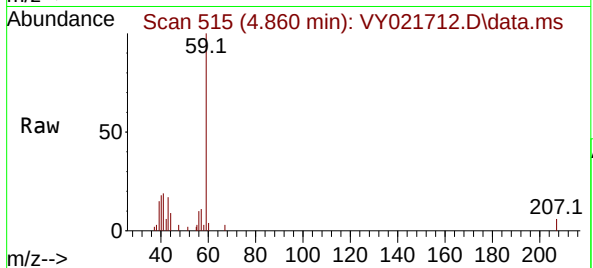
57 12.1 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#12

1,1-Dichloroethene

Concen: 19.074 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

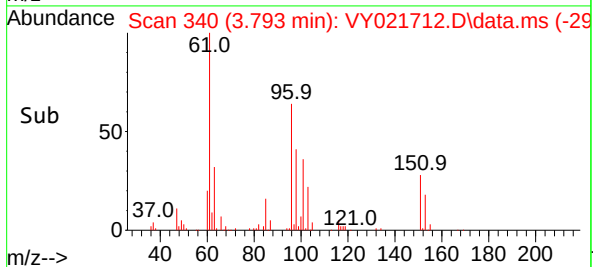
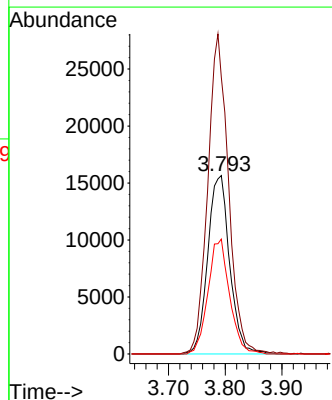
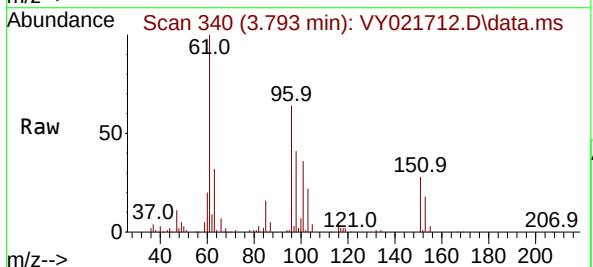
Tgt Ion: 96 Resp: 42010

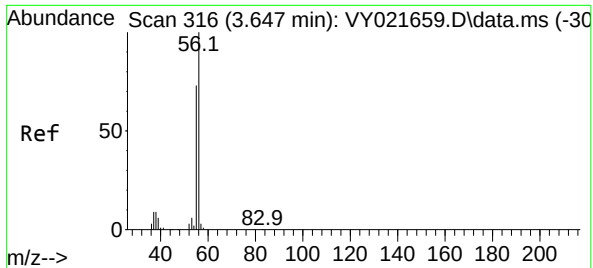
Ion Ratio Lower Upper

96 100

61 155.1 136.6 204.8

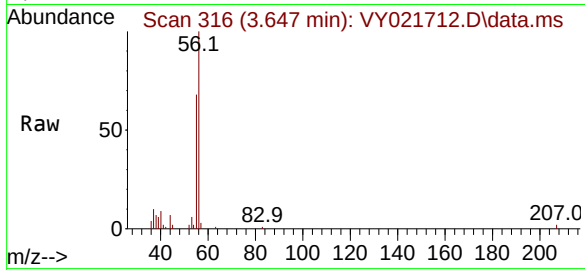
98 64.4 52.3 78.5





#13
Acrolein
Concen: 75.872 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

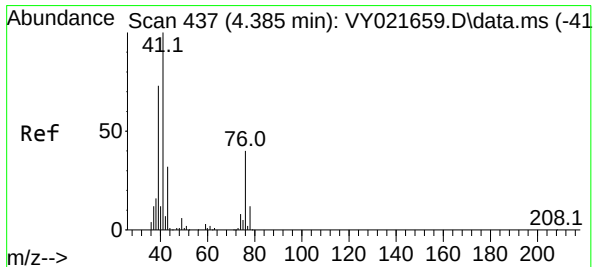
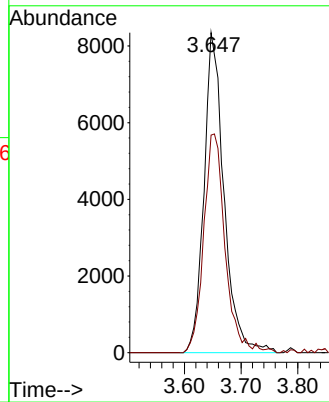
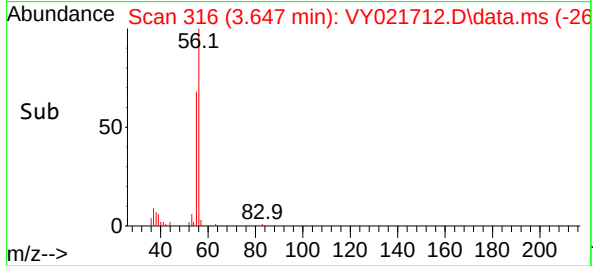
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 56 Resp: 20472
Ion Ratio Lower Upper
56 100
55 71.9 56.6 85.0

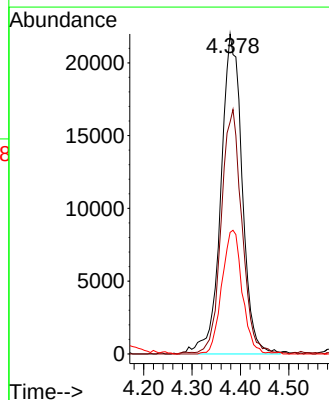
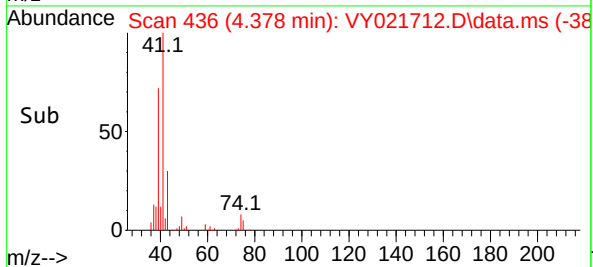
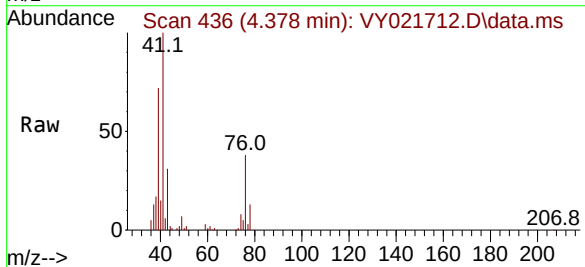
Manual Integrations
APPROVED

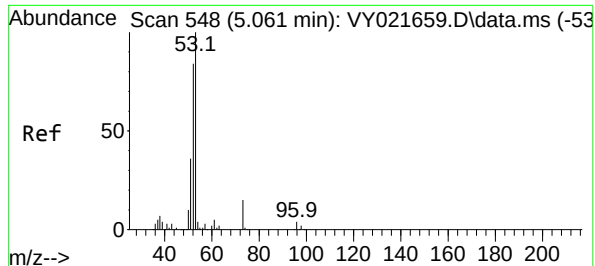
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#14
Allyl chloride
Concen: 19.123 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 41 Resp: 67154
Ion Ratio Lower Upper
41 100
39 74.4 58.6 88.0
76 37.0 30.3 45.5





#15

Acrylonitrile

Concen: 92.869 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 53 Resp: 4675

Ion Ratio Lower Upper

53 100

52 82.6 64.9 97.3

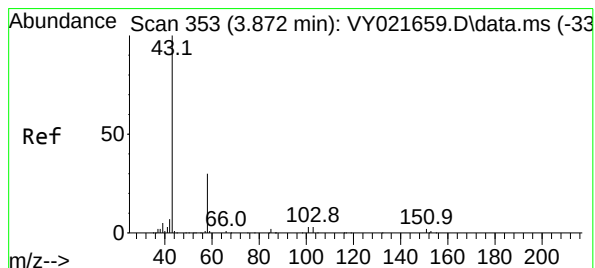
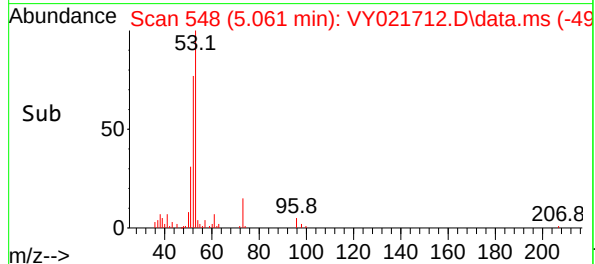
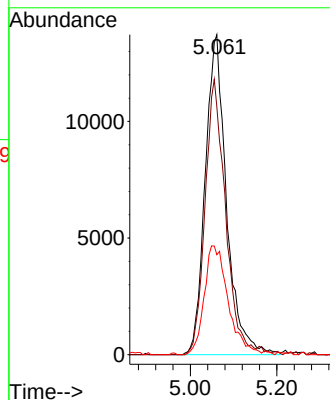
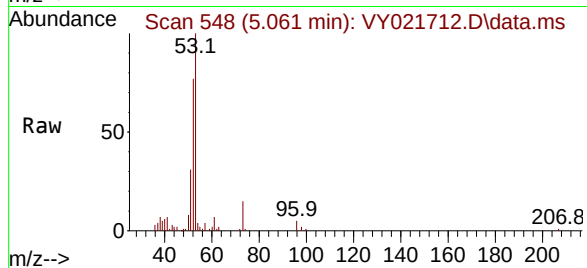
51 38.2 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#16

Acetone

Concen: 95.560 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021712.D

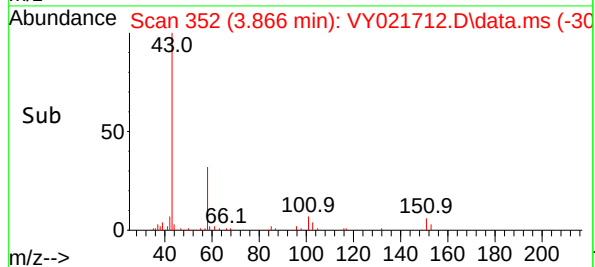
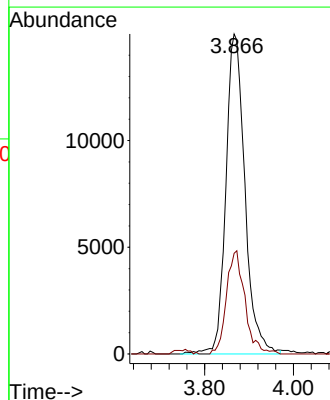
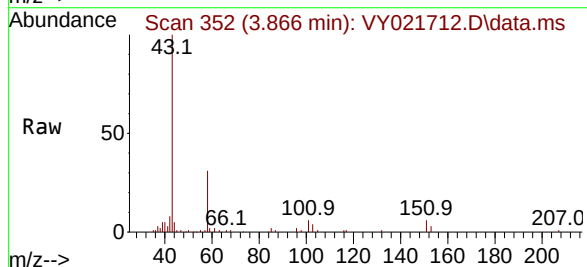
Acq: 31 Mar 2025 11:43

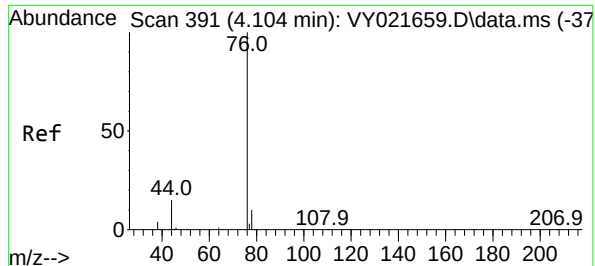
Tgt Ion: 43 Resp: 44494

Ion Ratio Lower Upper

43 100

58 31.5 24.2 36.4





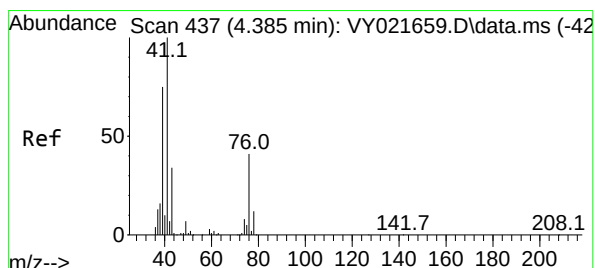
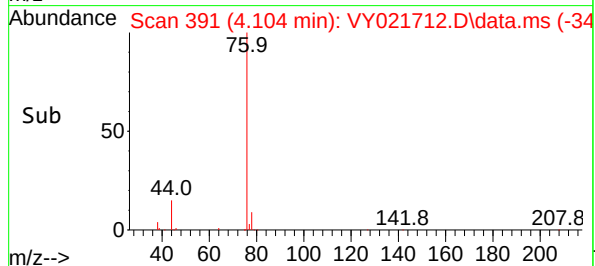
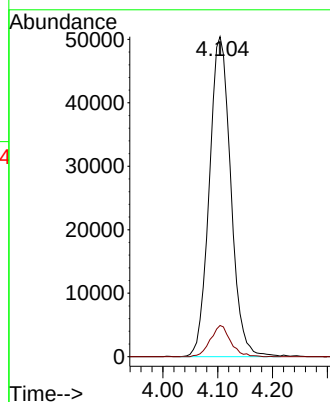
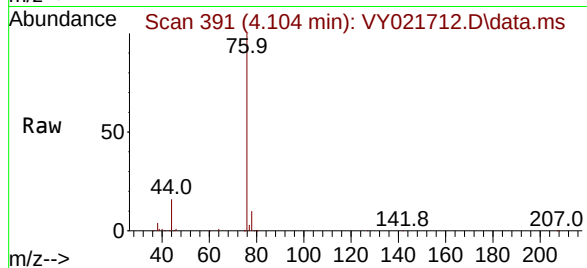
#17
Carbon Disulfide
Concen: 18.877 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 76 Resp: 13693
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4

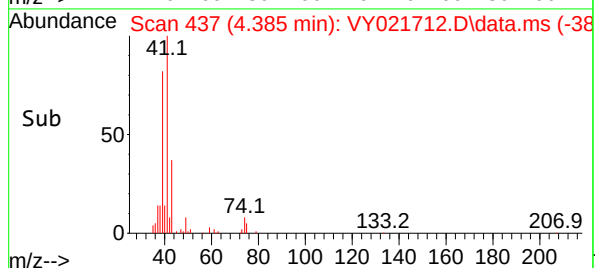
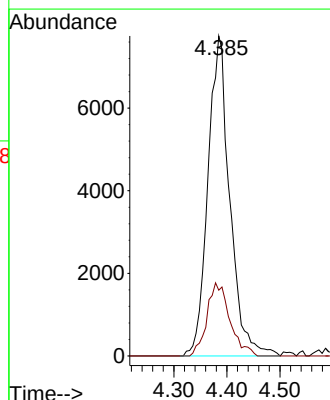
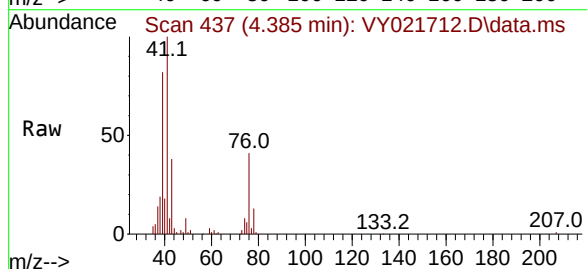
Manual Integrations
APPROVED

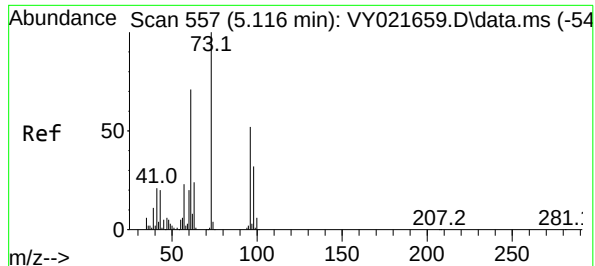
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#18
Methyl Acetate
Concen: 19.257 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 43 Resp: 22222
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.616 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 73 Resp: 102080

Ion Ratio Lower Upper

73 100

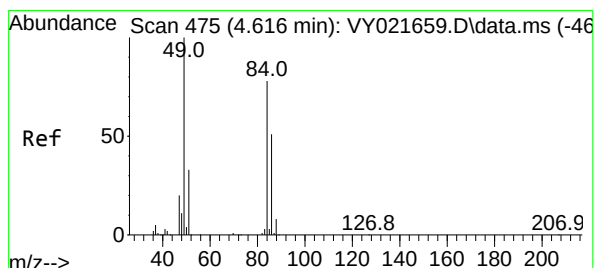
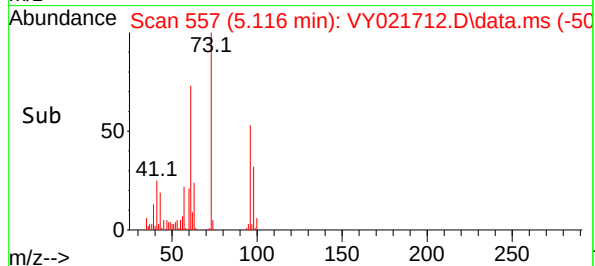
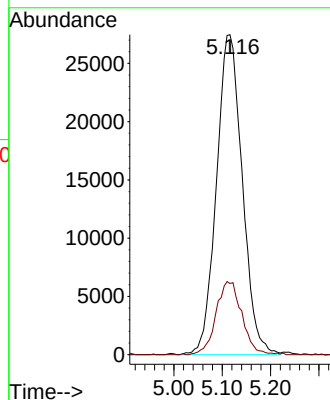
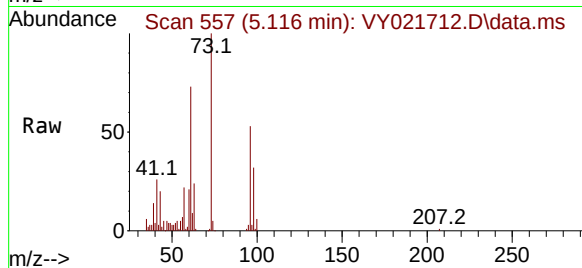
57 22.3 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#20

Methylene Chloride

Concen: 20.331 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Tgt Ion: 84 Resp: 51551

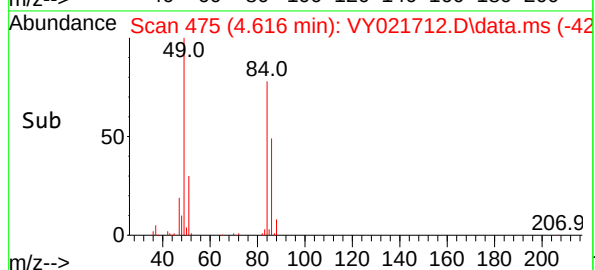
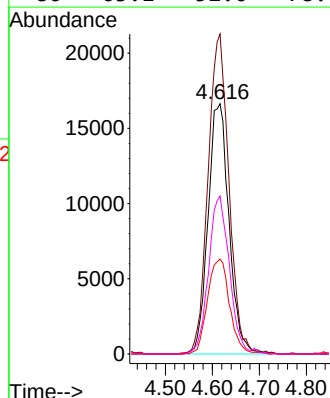
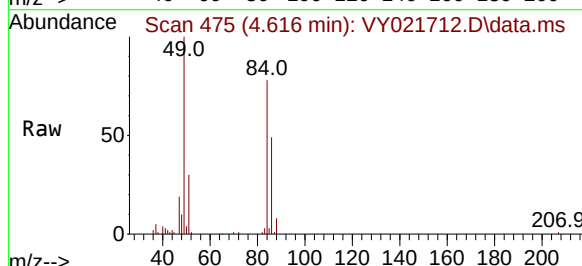
Ion Ratio Lower Upper

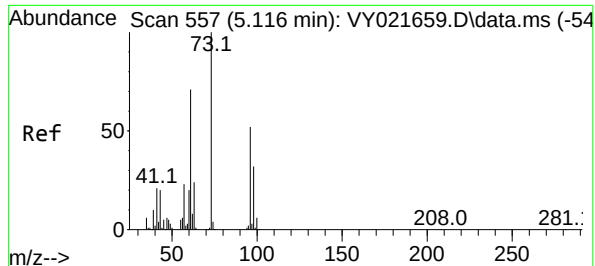
84 100

49 127.8 102.8 154.2

51 37.9 33.5 50.3

86 63.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.371 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021712.D

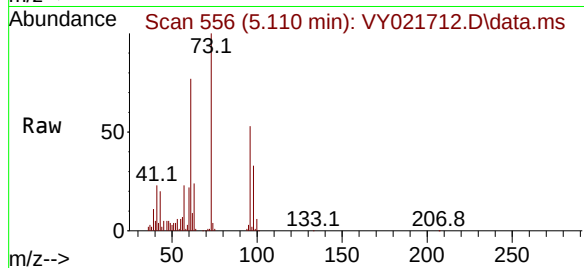
Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01



Tgt Ion: 96 Resp: 46975

Ion Ratio Lower Upper

96 100

61 144.4 109.4 164.0

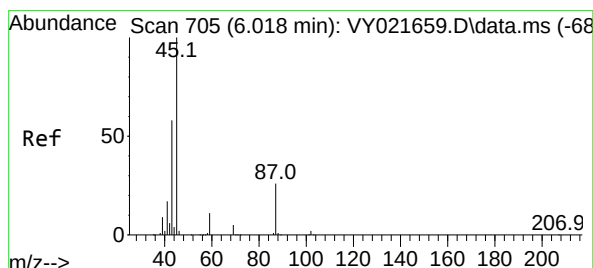
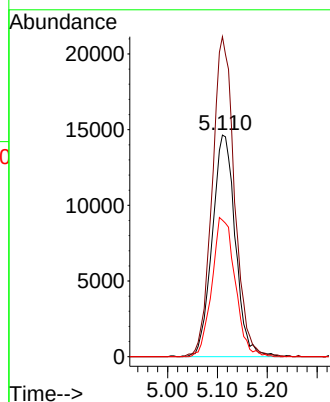
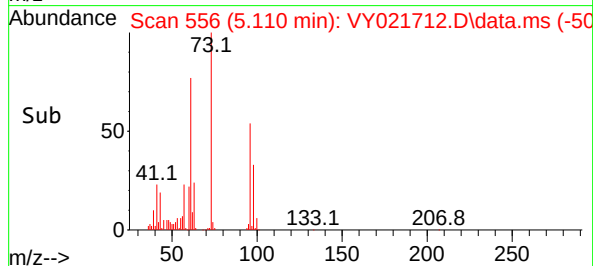
98 61.6 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#22

Diisopropyl ether

Concen: 19.733 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Tgt Ion: 45 Resp: 145363

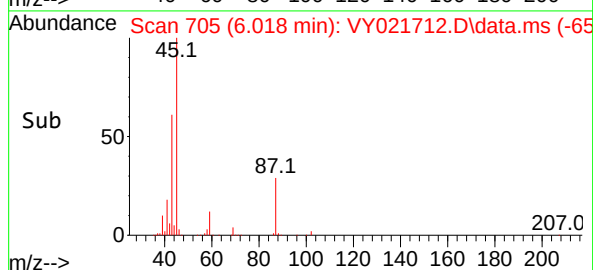
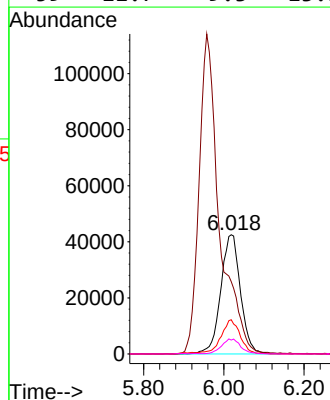
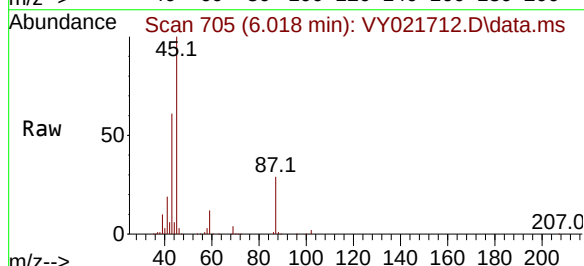
Ion Ratio Lower Upper

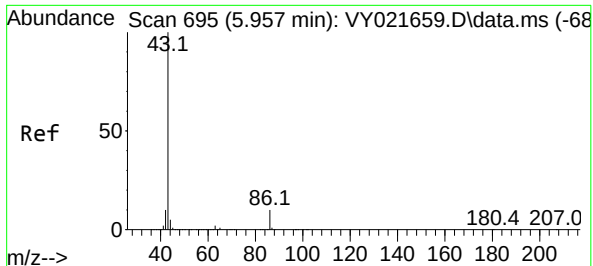
45 100

43 60.1 46.6 69.8

87 28.7 20.7 31.1

59 11.7 9.3 13.9





#23

Vinyl Acetate

Concen: 93.408 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 402538

Ion Ratio Lower Upper

43

100

86

10.6

8.2

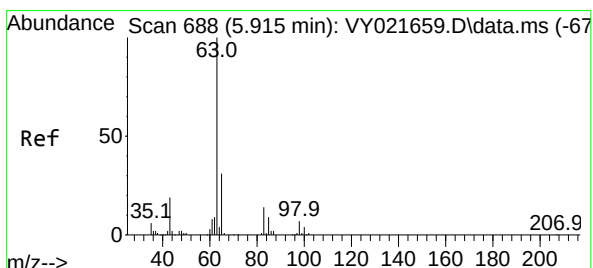
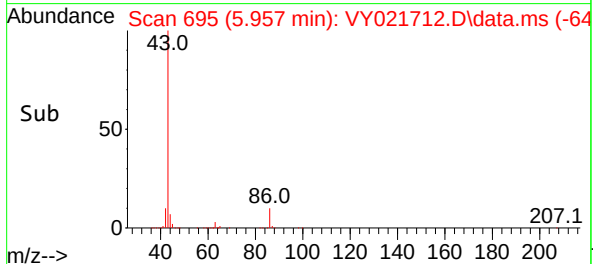
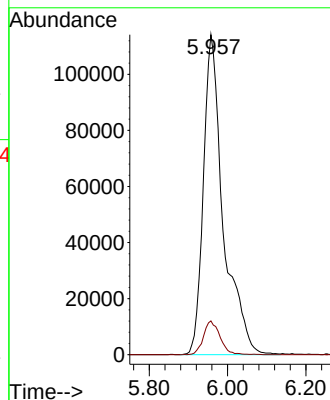
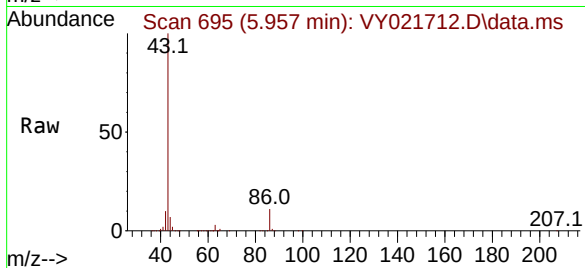
12.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#24

1,1-Dichloroethane

Concen: 19.759 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Tgt Ion: 63 Resp: 87037

Ion Ratio Lower Upper

63

100

98

7.5

3.5

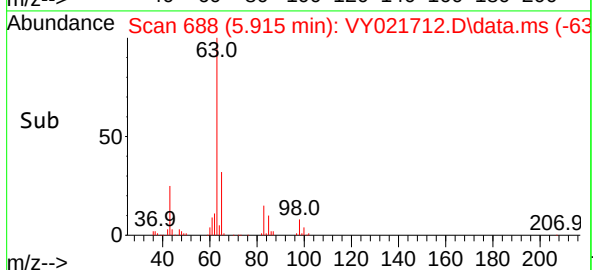
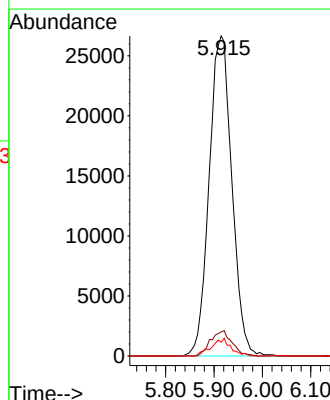
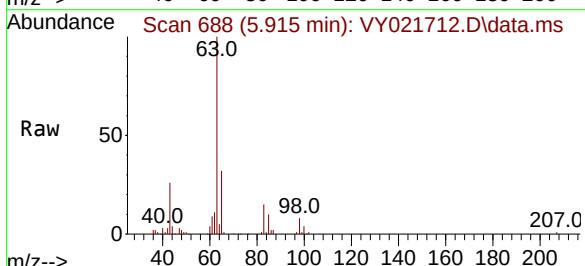
10.5

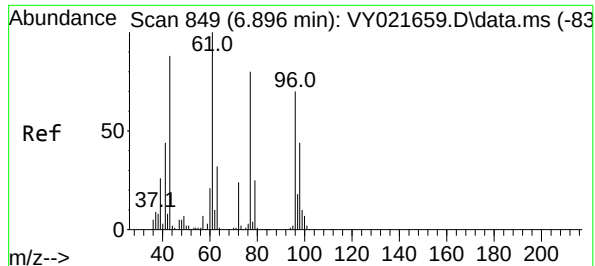
100

4.3

2.2

6.6





#25

2-Butanone

Concen: 90.883 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 6044

Ion Ratio Lower Upper

43 100

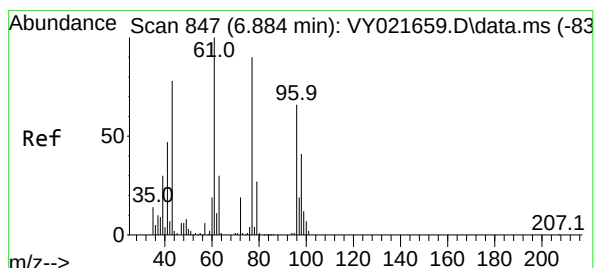
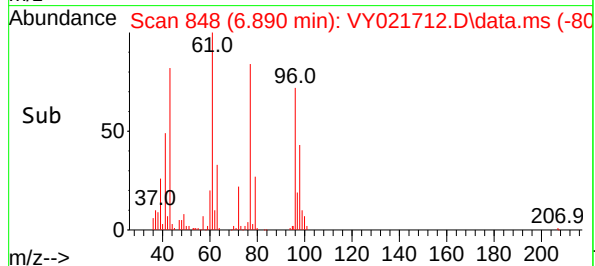
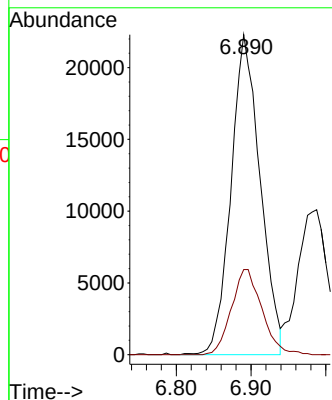
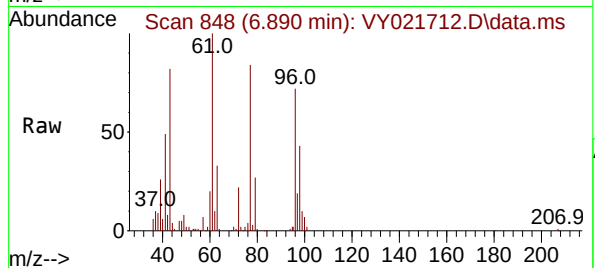
72 26.6 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#26

2,2-Dichloropropane

Concen: 19.575 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021712.D

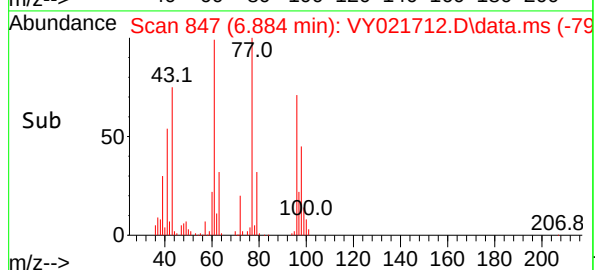
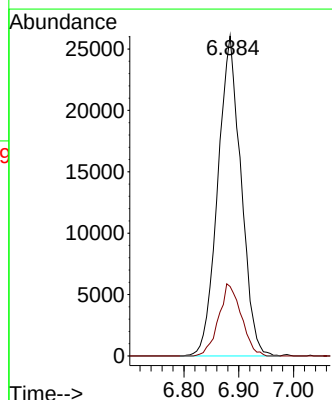
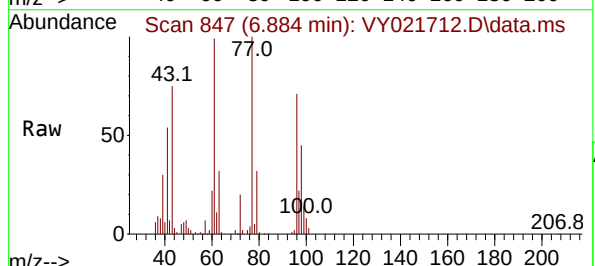
Acq: 31 Mar 2025 11:43

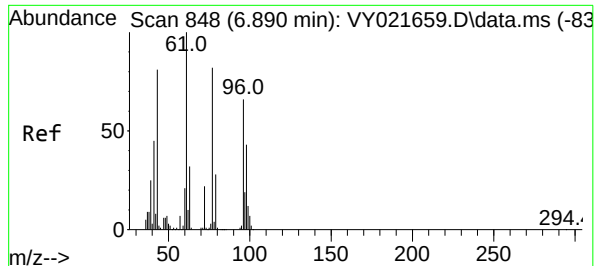
Tgt Ion: 77 Resp: 76700

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.566 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 96 Resp: 53359

Ion Ratio Lower Upper

96 100

61 145.7 0.0 296.4

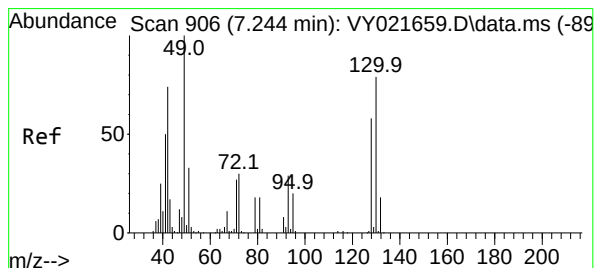
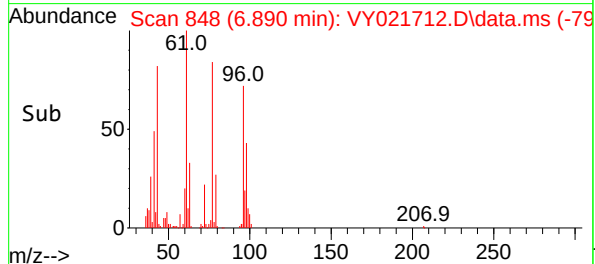
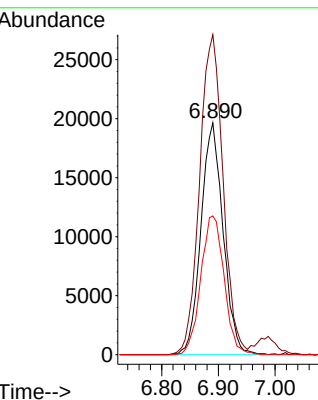
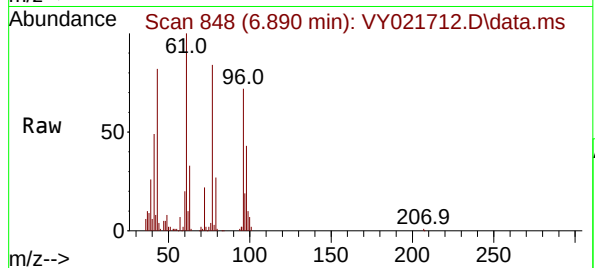
98 62.9 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#28

Bromochloromethane

Concen: 19.568 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

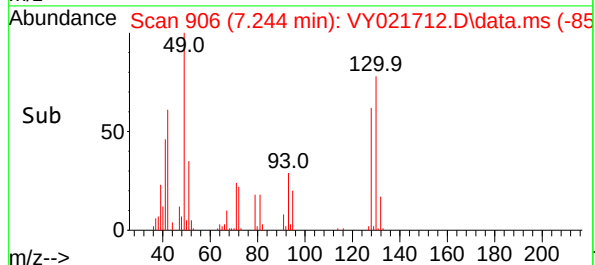
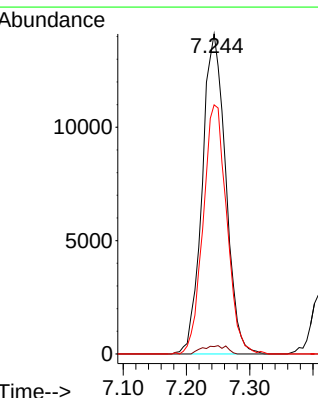
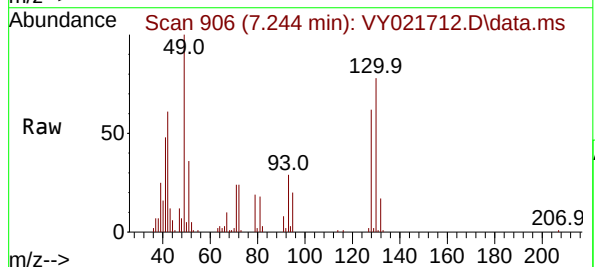
Tgt Ion: 49 Resp: 36351

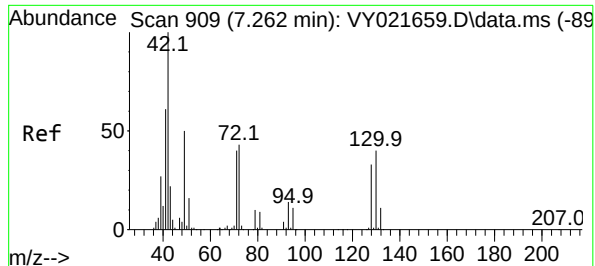
Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.4

130 78.2 60.1 90.1





#29

Tetrahydrofuran

Concen: 92.997 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

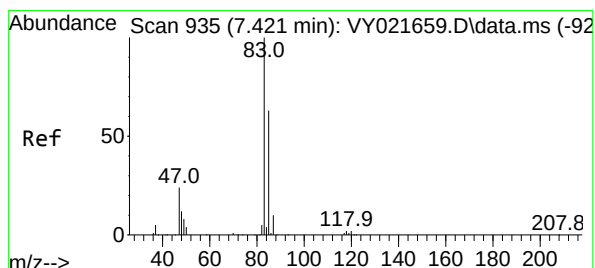
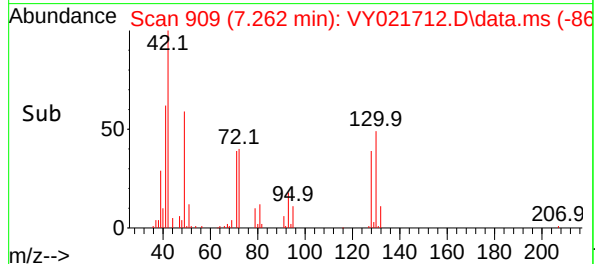
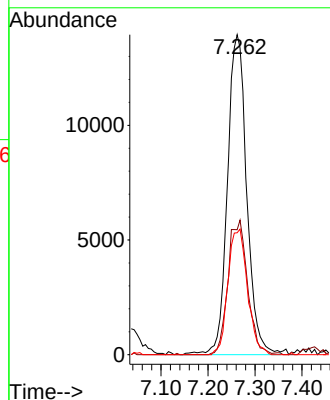
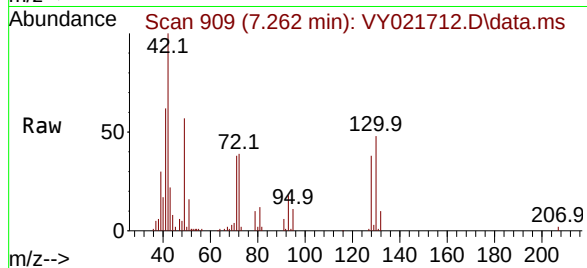
Tgt Ion:	42	Resp:	39804
Ion Ratio	Lower	Upper	
42	100		
72	42.7	34.6	52.0
71	39.7	32.5	48.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#30

Chloroform

Concen: 19.814 ug/l

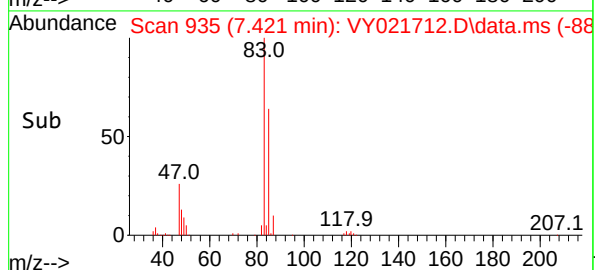
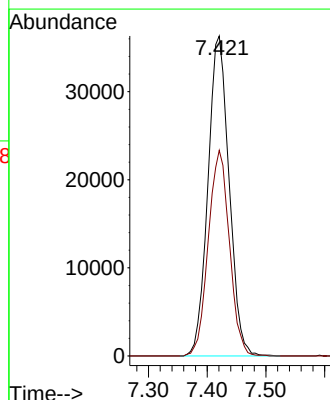
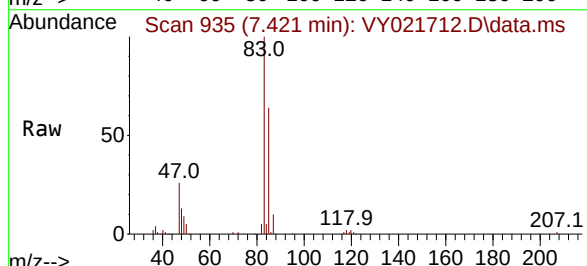
RT: 7.421 min Scan# 935

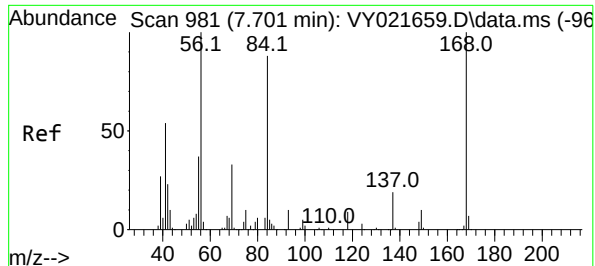
Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Tgt Ion:	83	Resp:	90776
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.6	75.8





#31

Cyclohexane

Concen: 18.450 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 56 Resp: 7408

Ion Ratio Lower Upper

56 100

69 37.5 26.6 40.0

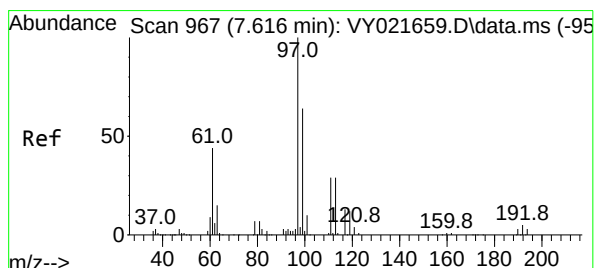
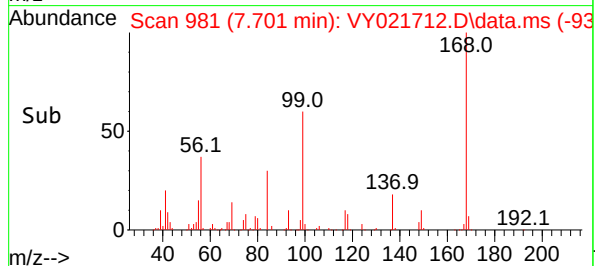
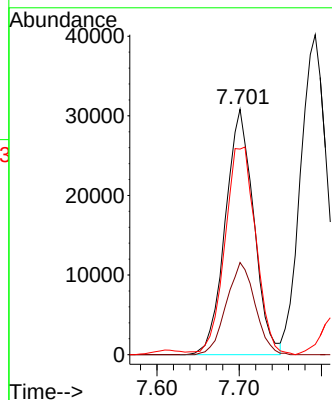
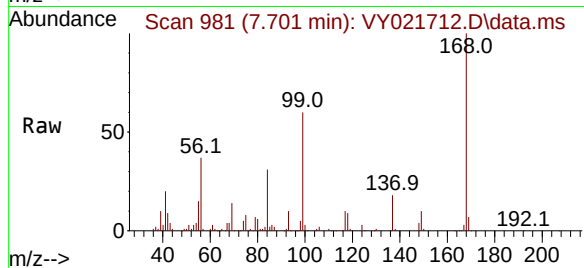
84 82.4 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#32

1,1,1-Trichloroethane

Concen: 19.813 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

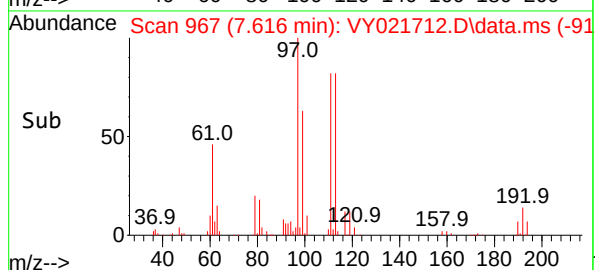
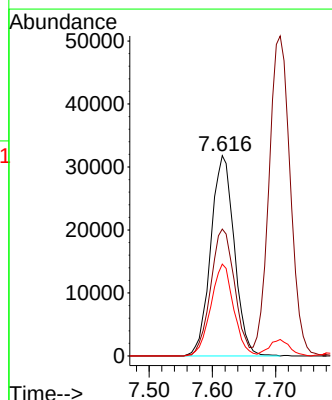
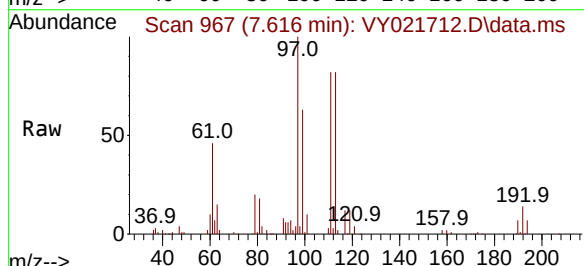
Tgt Ion: 97 Resp: 82041

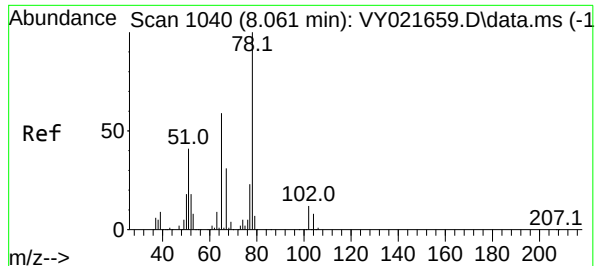
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

61 44.3 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.348 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 65 Resp: 114544

Ion Ratio Lower Upper

65 100

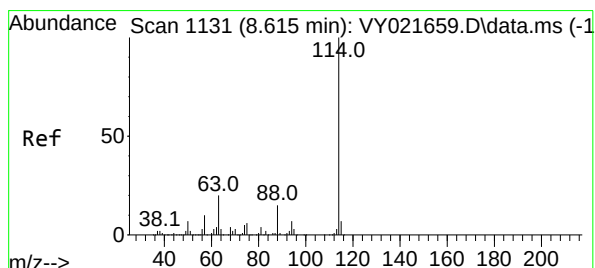
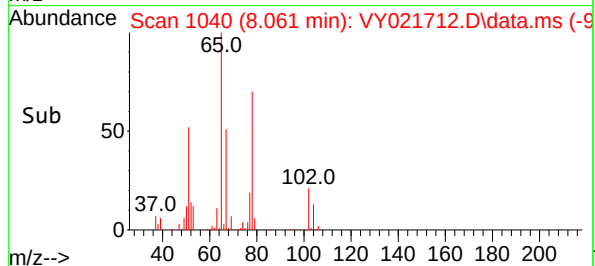
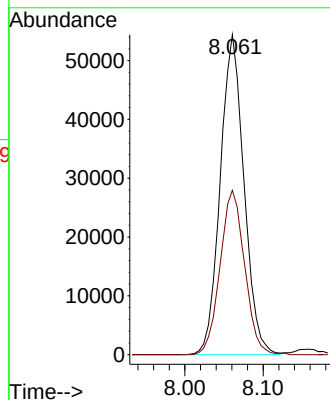
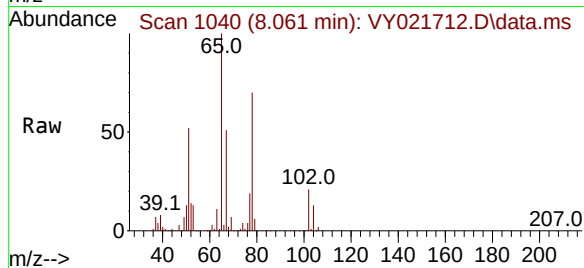
67 53.0 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

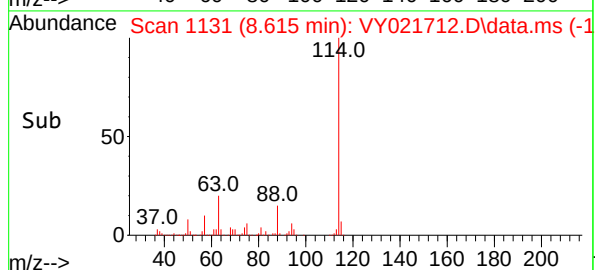
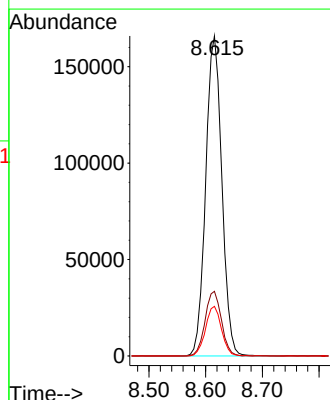
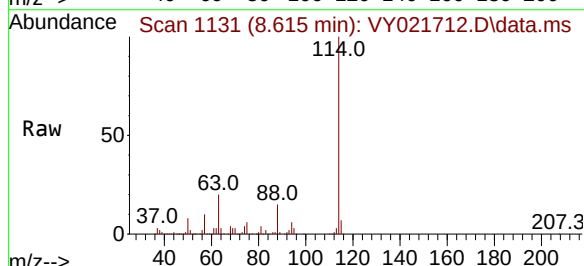
Tgt Ion:114 Resp: 327567

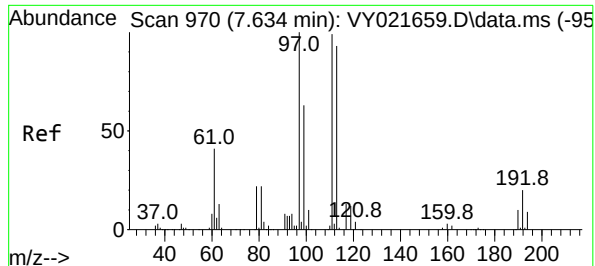
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 15.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.712 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:113 Resp: 112000

Ion Ratio Lower Upper

113 100

111 100.0 82.6 123.8

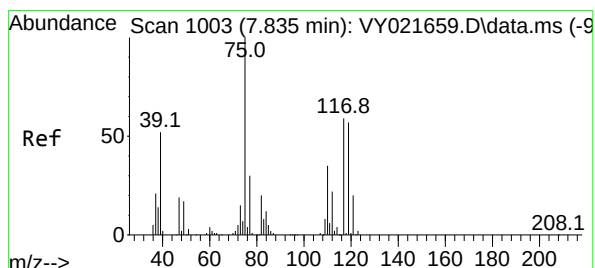
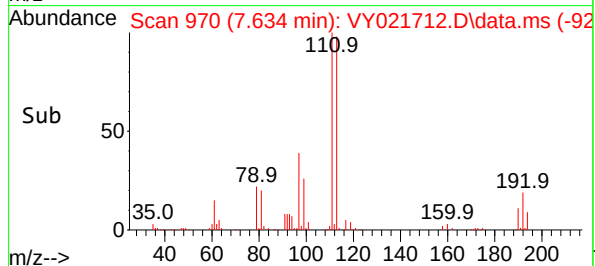
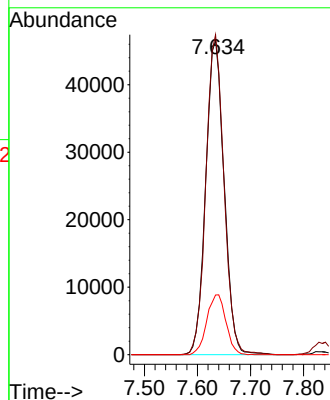
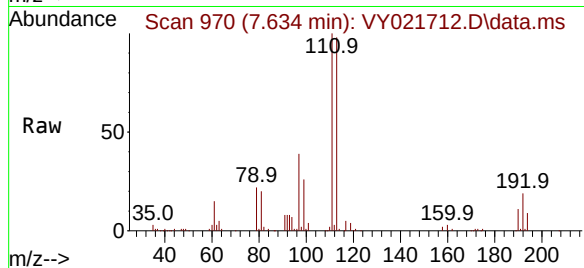
192 19.8 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#36

1,1-Dichloropropene

Concen: 19.328 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

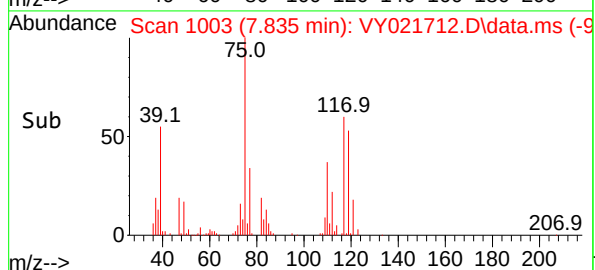
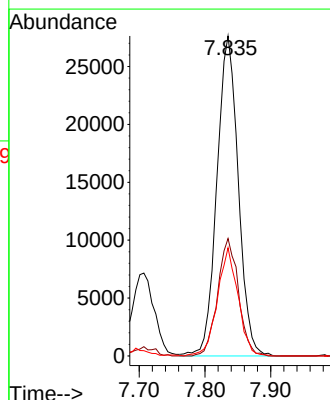
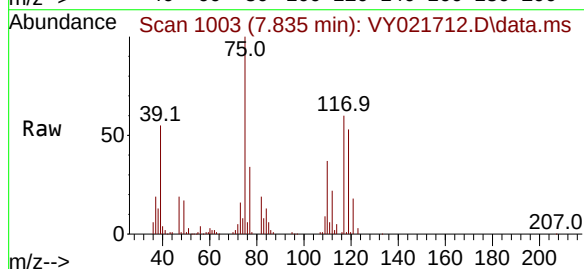
Tgt Ion: 75 Resp: 62556

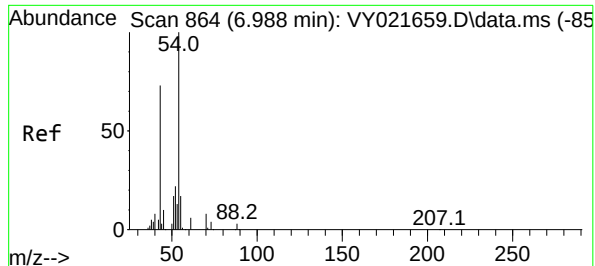
Ion Ratio Lower Upper

75 100

110 35.8 17.0 50.9

77 32.7 24.8 37.2





#37

Ethyl Acetate

Concen: 18.684 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 28539

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.6

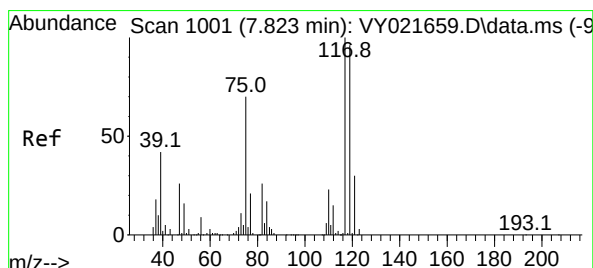
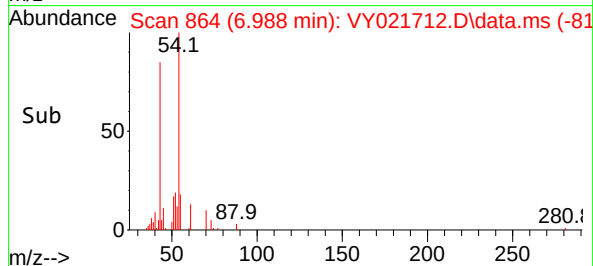
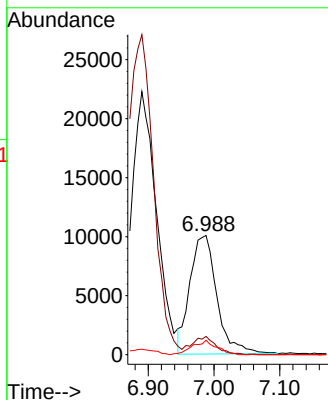
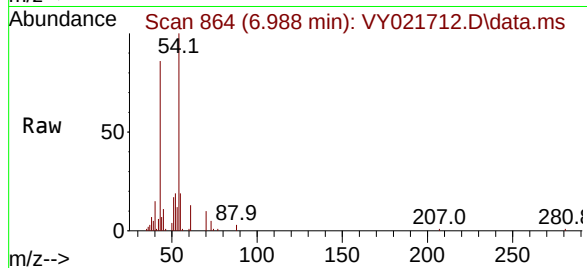
70 10.8 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#38

Carbon Tetrachloride

Concen: 20.012 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

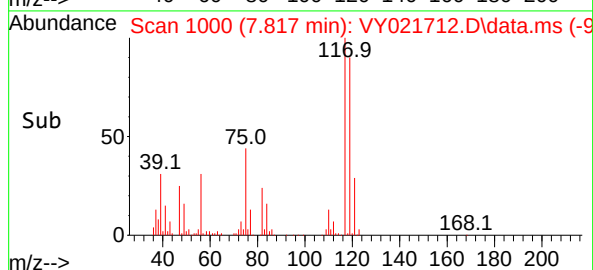
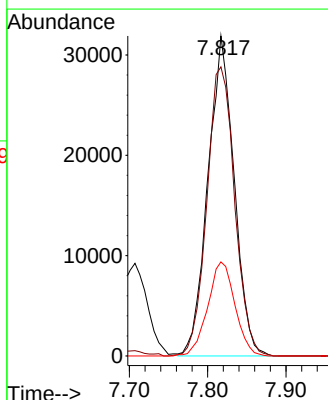
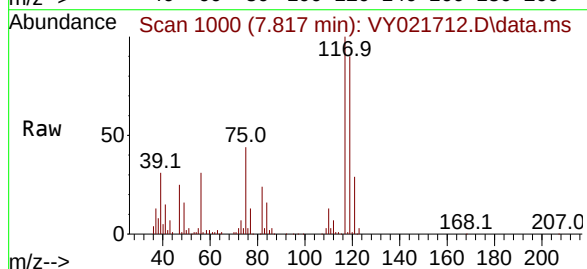
Tgt Ion:117 Resp: 74182

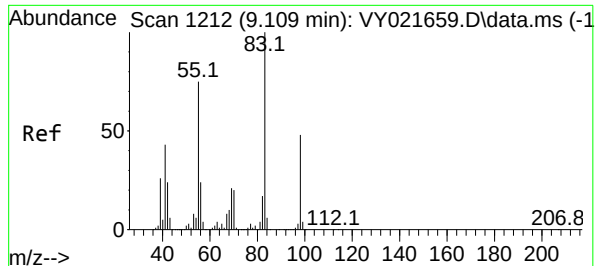
Ion Ratio Lower Upper

117 100

119 90.3 76.2 114.4

121 29.4 24.2 36.4





#39

Methylcyclohexane

Concen: 18.838 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 83 Resp: 7283

Ion Ratio Lower Upper

83 100

55 78.1 59.7 89.5

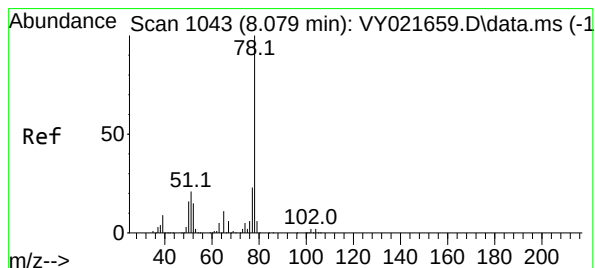
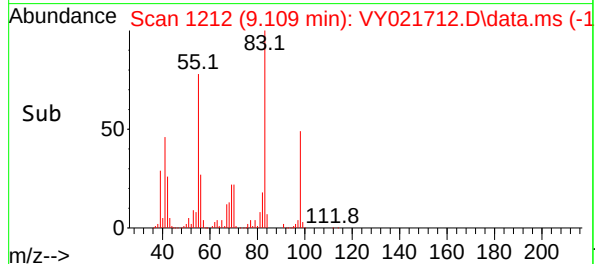
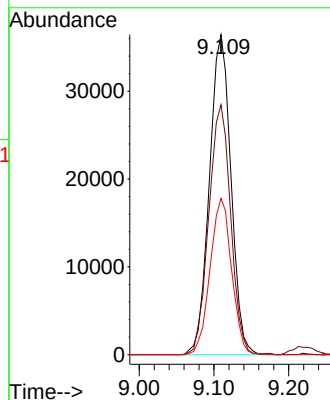
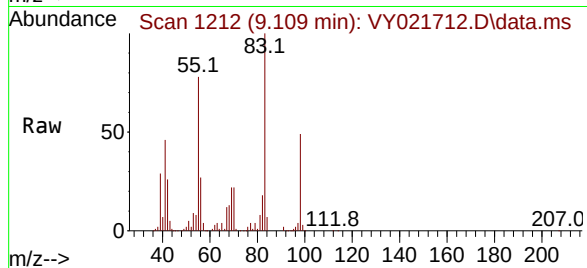
98 48.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#40

Benzene

Concen: 19.770 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021712.D

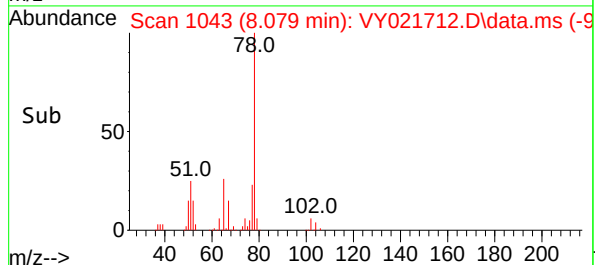
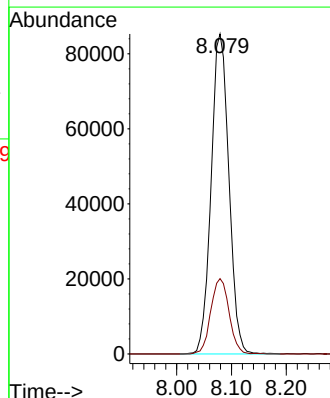
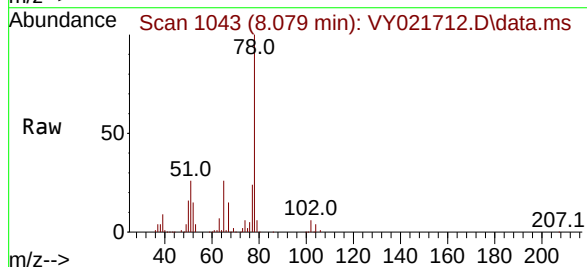
Acq: 31 Mar 2025 11:43

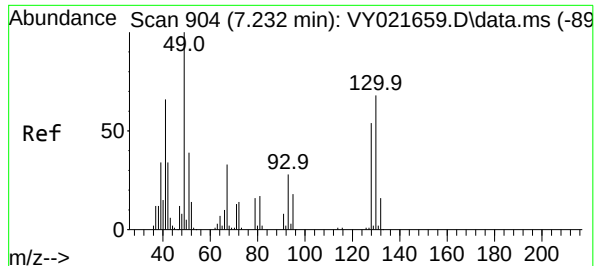
Tgt Ion: 78 Resp: 191618

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 20.004 ug/l m

RT: 7.225 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 41 Resp: 1622

Ion Ratio Lower Upper

41 100

39 71.2 0.0 0.0

67 0.0 0.0 0.0

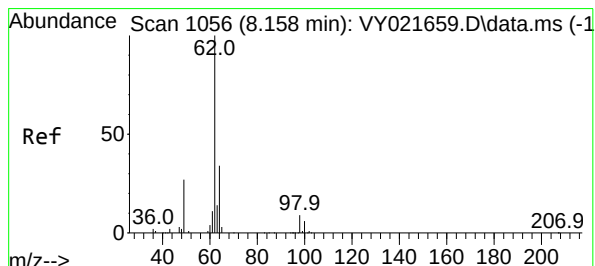
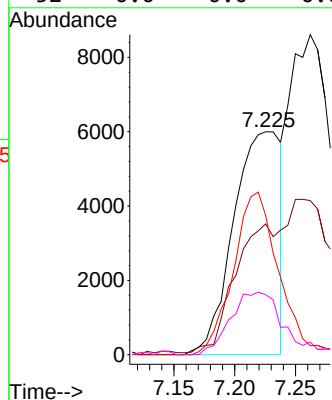
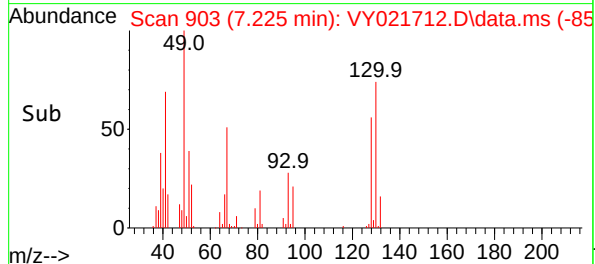
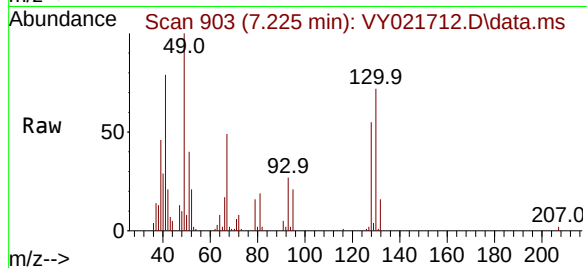
52 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#42

1,2-Dichloroethane

Concen: 19.879 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021712.D

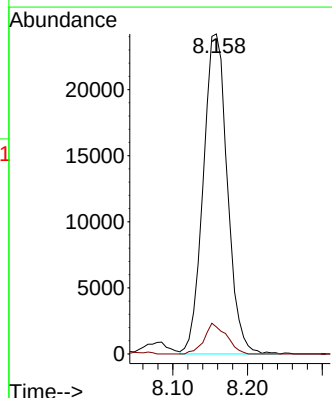
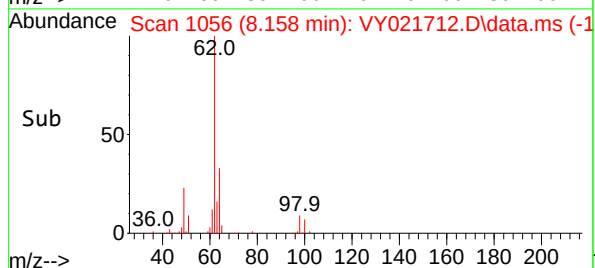
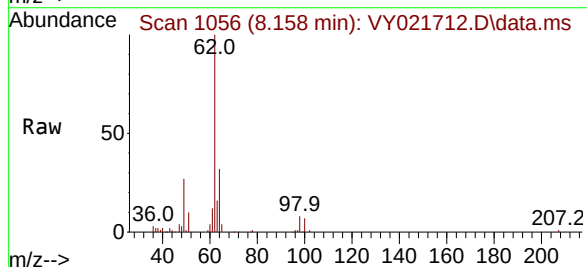
Acq: 31 Mar 2025 11:43

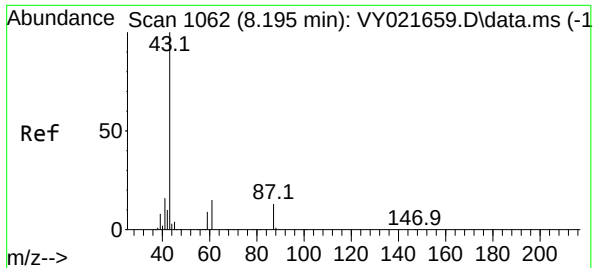
Tgt Ion: 62 Resp: 54319

Ion Ratio Lower Upper

62 100

98 8.8 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.214 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

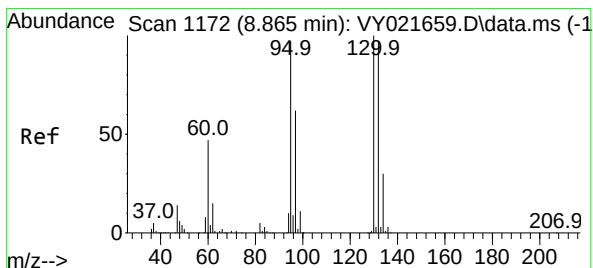
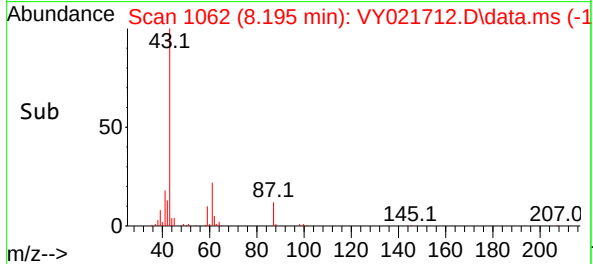
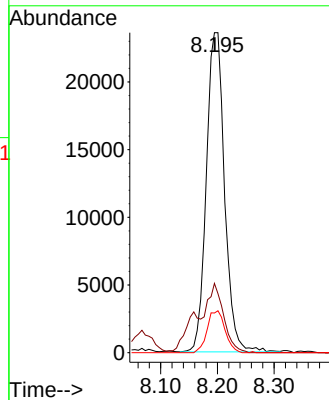
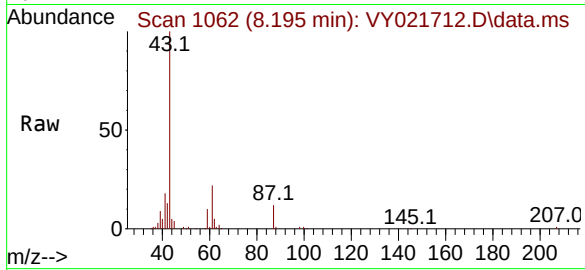
Tgt Ion: 43	Resp: 5272
Ion Ratio	Lower Upper
43 100	
61 20.3	15.9 23.9
87 12.8	10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#44

Trichloroethene

Concen: 19.900 ug/l

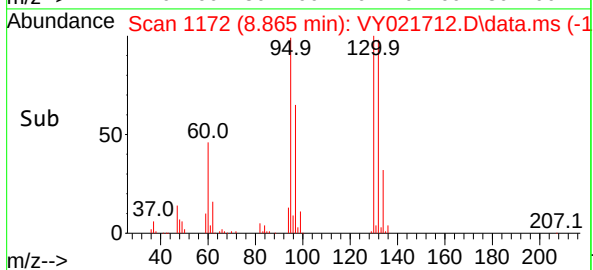
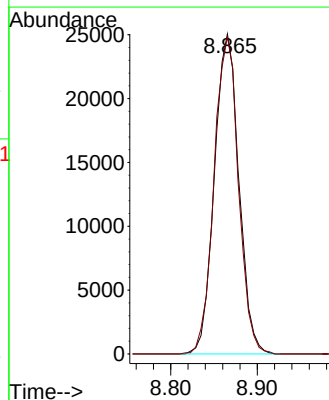
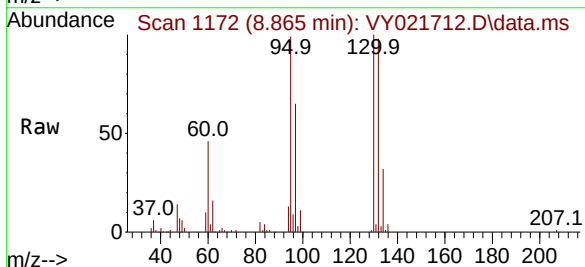
RT: 8.865 min Scan# 1172

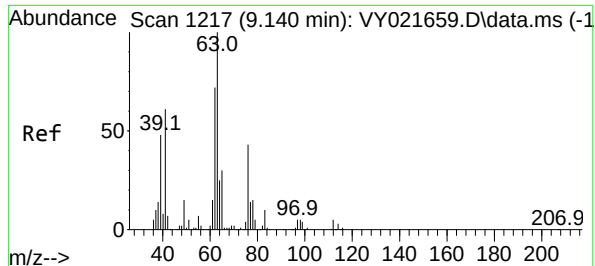
Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Tgt Ion:130	Resp: 49144
Ion Ratio	Lower Upper
130 100	
95 99.1	0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.271 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 63 Resp: 46508

Ion Ratio Lower Upper

63 100

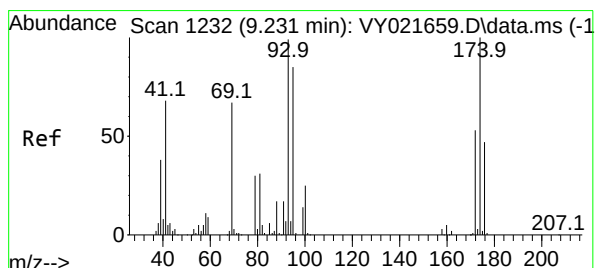
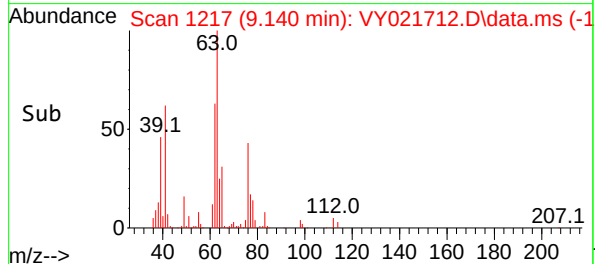
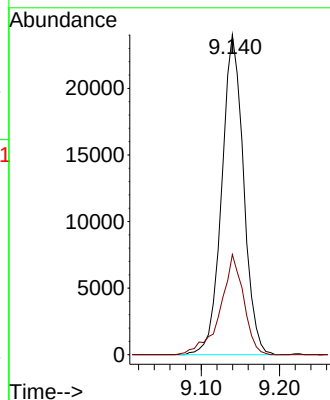
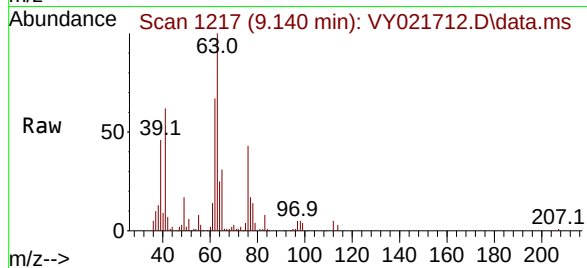
65 31.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#46

Dibromomethane

Concen: 19.863 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

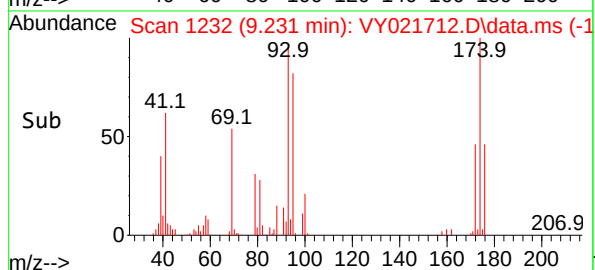
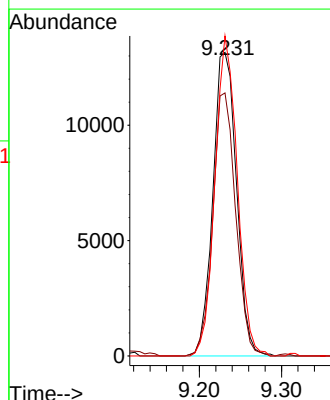
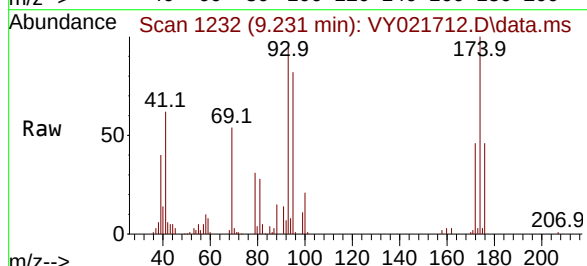
Tgt Ion: 93 Resp: 26264

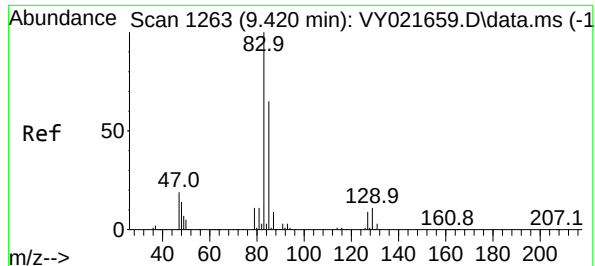
Ion Ratio Lower Upper

93 100

95 84.0 68.1 102.1

174 99.5 80.9 121.3





#47

Bromodichloromethane

Concen: 19.980 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

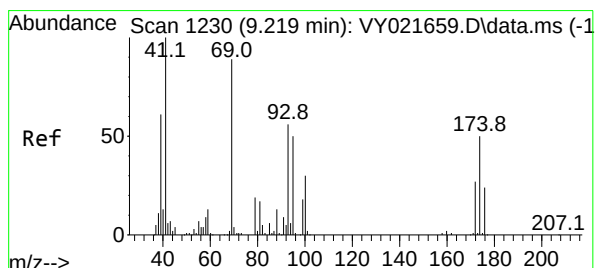
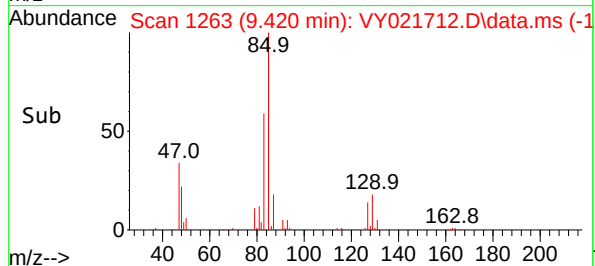
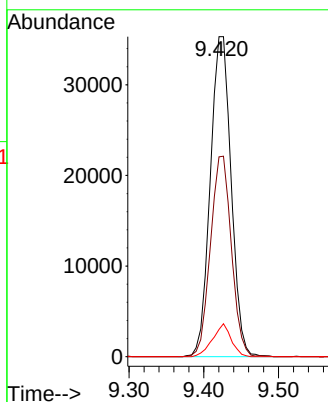
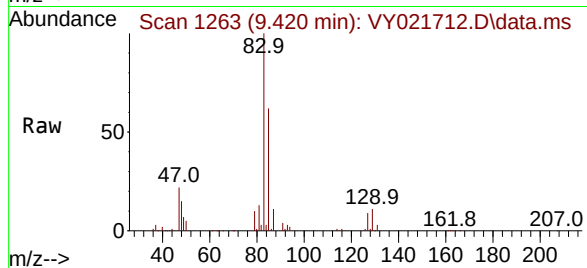
Tgt Ion: 83	Resp: 6845
Ion Ratio	Lower Upper
83 100	
85 62.5	51.8 77.6
127 8.5	6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#48

Methyl methacrylate

Concen: 18.043 ug/l

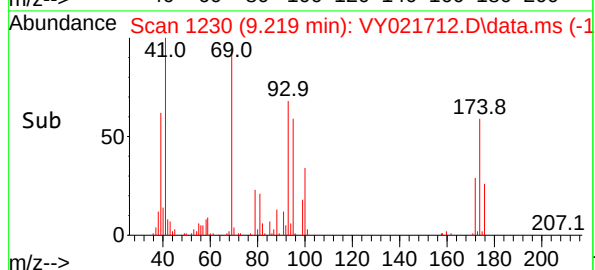
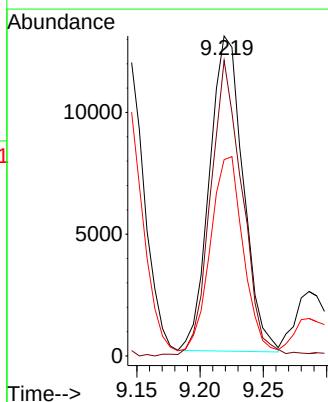
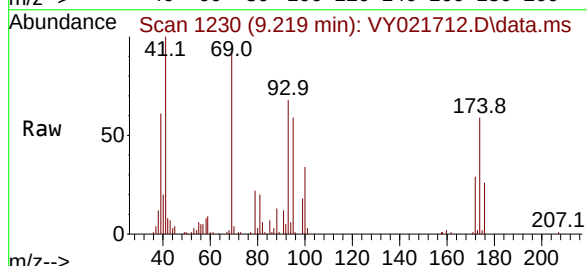
RT: 9.219 min Scan# 1230

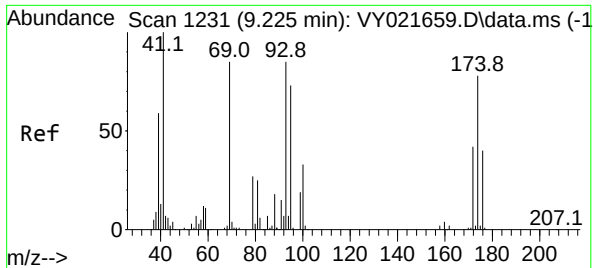
Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

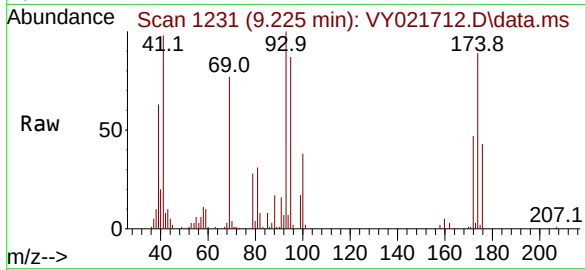
Tgt Ion: 41	Resp: 23970
Ion Ratio	Lower Upper
41 100	
69 89.1	69.8 104.8
39 60.2	47.2 70.8





#49
1,4-Dioxane
Concen: 384.406 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

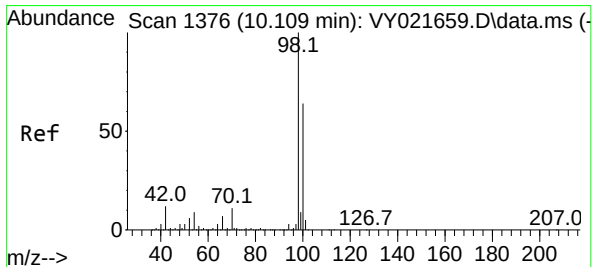
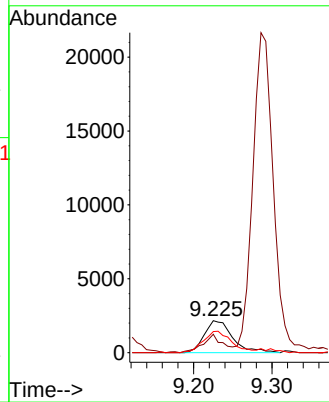
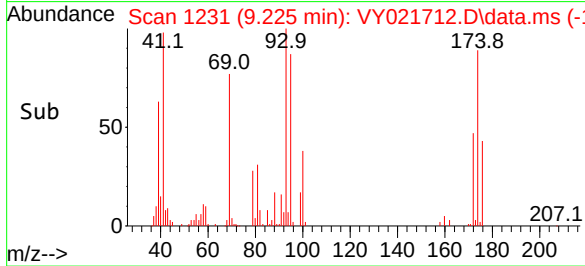
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



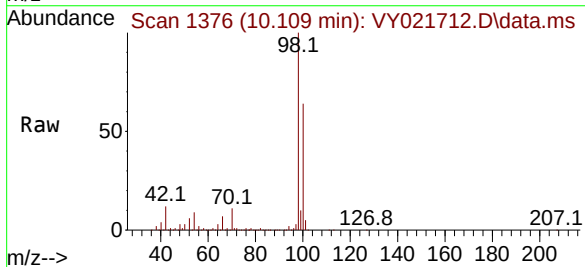
Tgt Ion: 88 Resp: 544
Ion Ratio Lower Upper
88 100
43 40.3 28.8 43.2
58 67.0 59.4 89.2

Manual Integrations
APPROVED

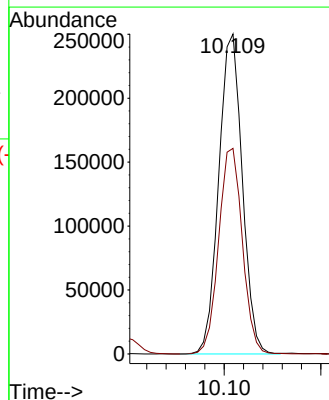
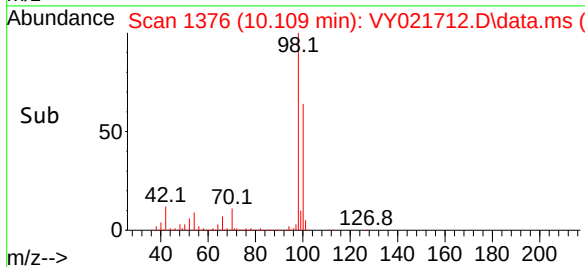
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

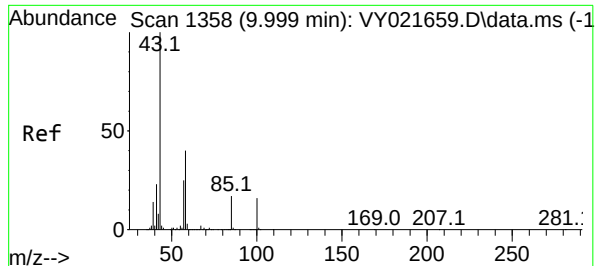


#50
Toluene-d8
Concen: 52.196 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43



Tgt Ion: 98 Resp: 421935
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





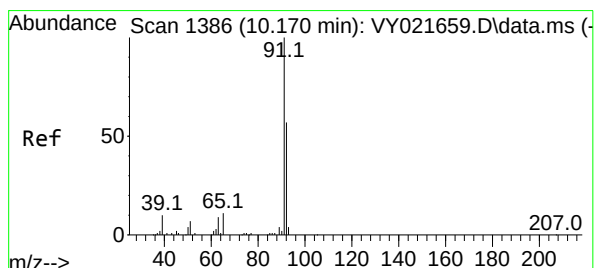
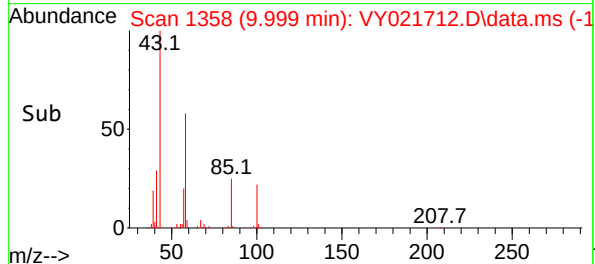
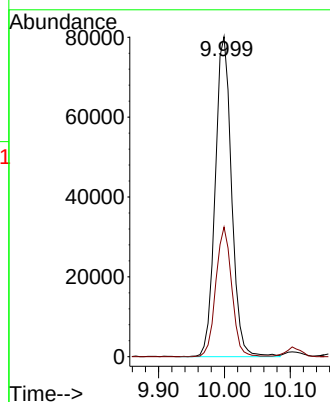
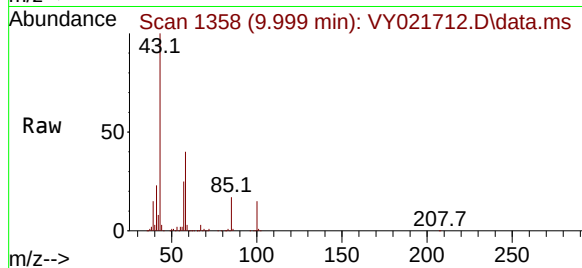
#51
4-Methyl-2-Pentanone
Concen: 92.043 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 43 Resp: 138649
Ion Ratio Lower Upper
43 100
58 39.5 31.5 47.3

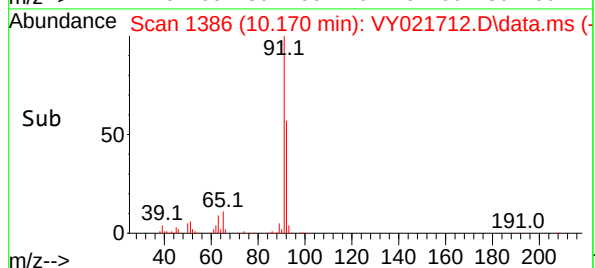
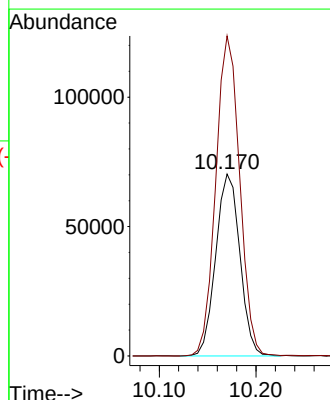
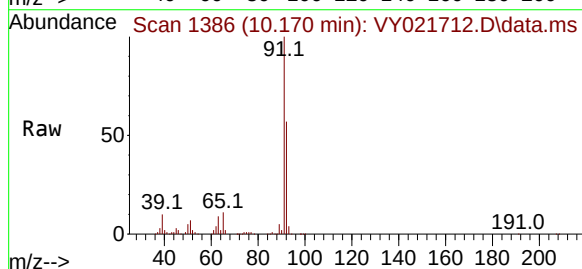
Manual Integrations
APPROVED

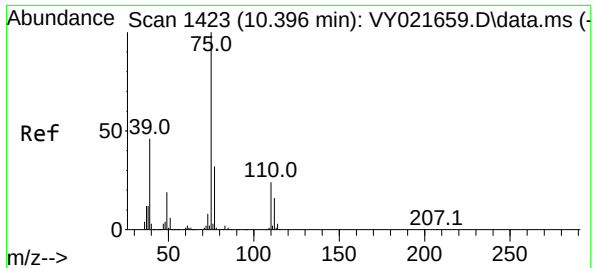
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#52
Toluene
Concen: 20.115 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

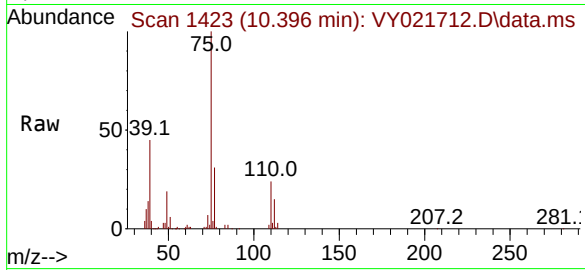
Tgt Ion: 92 Resp: 121643
Ion Ratio Lower Upper
92 100
91 174.8 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 19.416 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

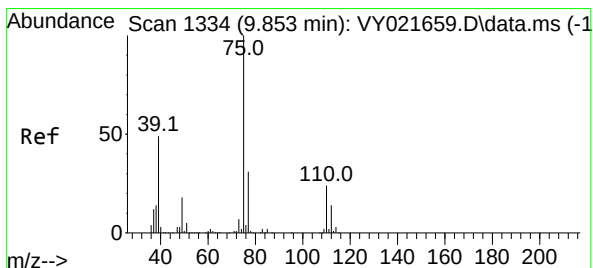
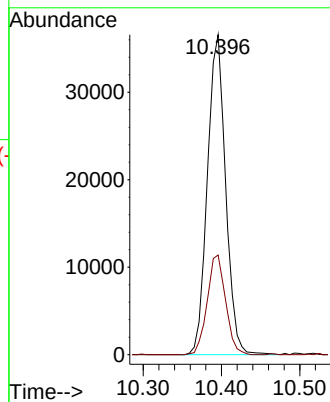
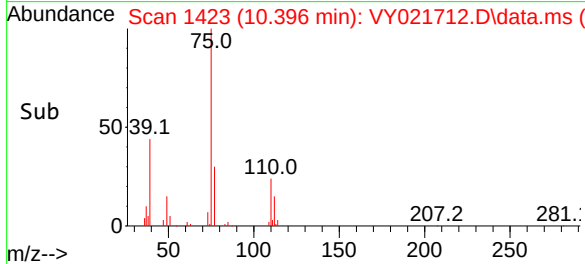
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 75 Resp: 5908
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9

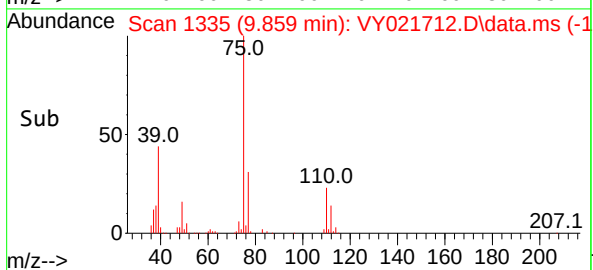
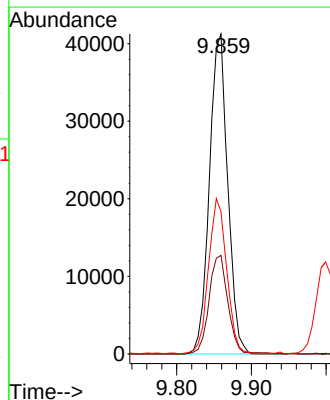
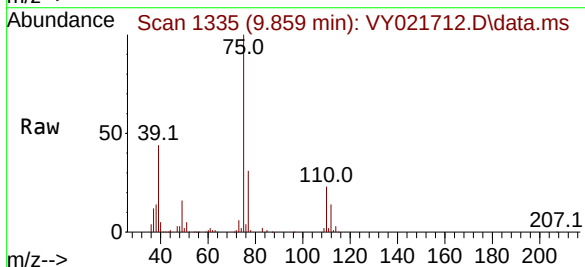
Manual Integrations
APPROVED

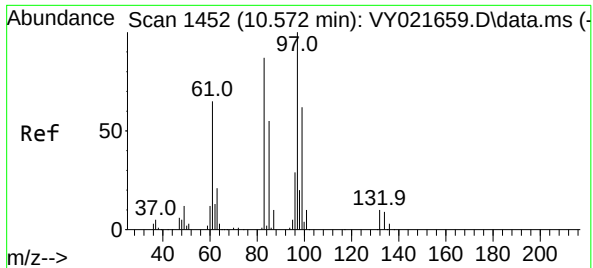
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#54
cis-1,3-Dichloropropene
Concen: 19.545 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

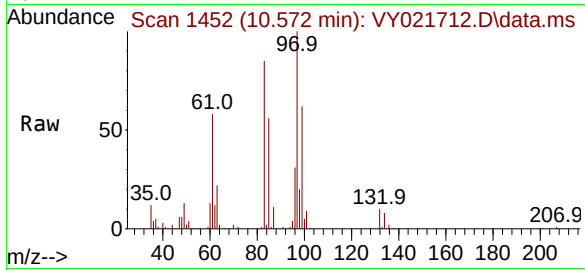
Tgt Ion: 75 Resp: 70169
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3
39 44.4 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 19.946 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

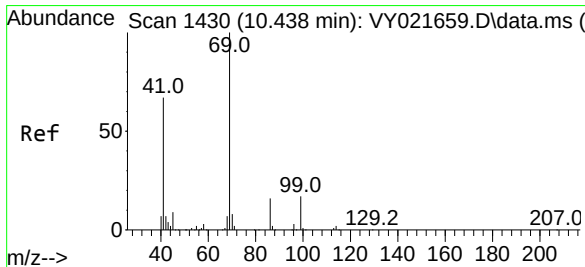
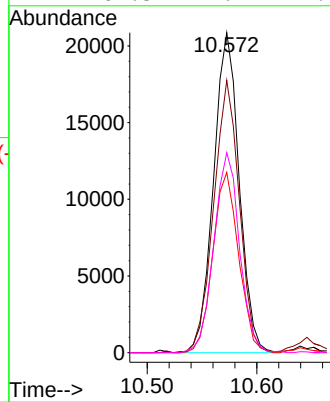
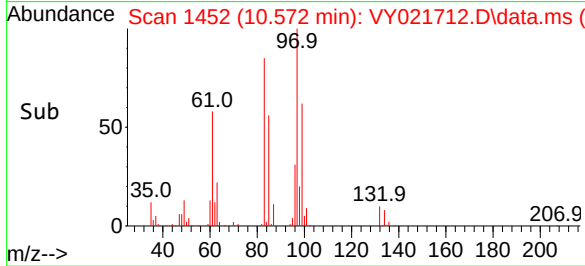
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



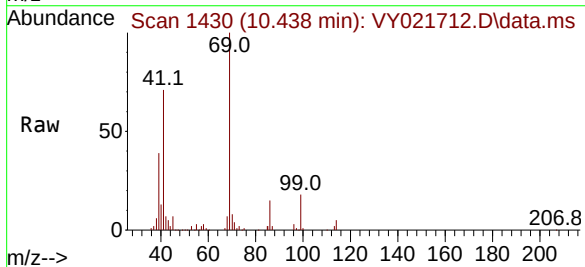
Tgt Ion: 97 Resp: 33939
Ion Ratio Lower Upper
97 100
83 84.8 69.5 104.3
85 56.3 43.9 65.9
99 62.5 49.9 74.9

Manual Integrations
APPROVED

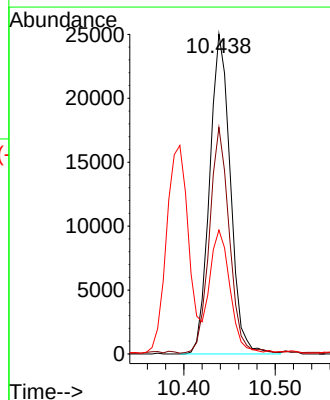
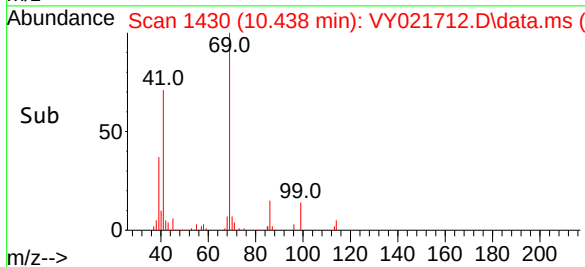
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

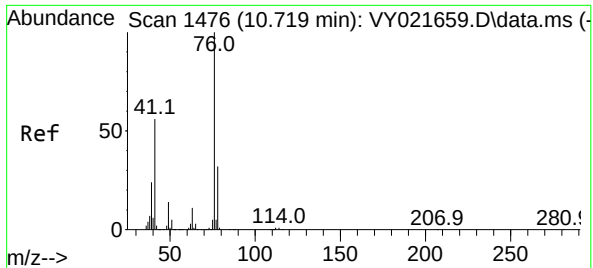


#56
Ethyl methacrylate
Concen: 18.161 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43



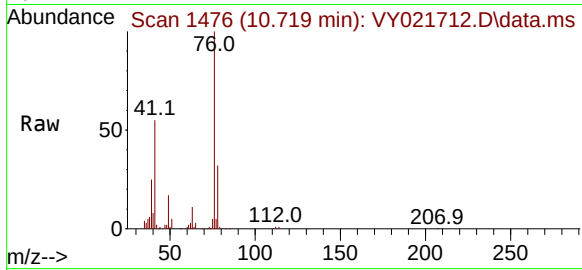
Tgt Ion: 69 Resp: 39458
Ion Ratio Lower Upper
69 100
41 67.5 53.8 80.6
39 36.4 29.6 44.4





#57
1,3-Dichloropropane
Concen: 19.639 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

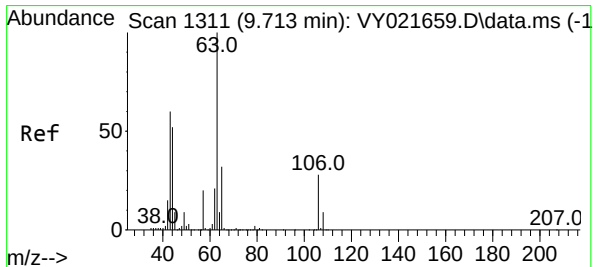
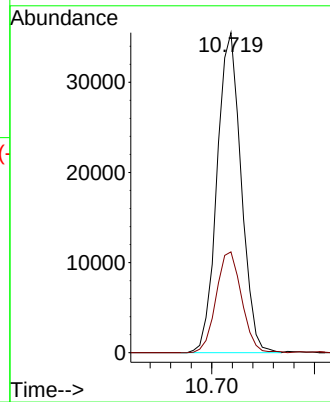
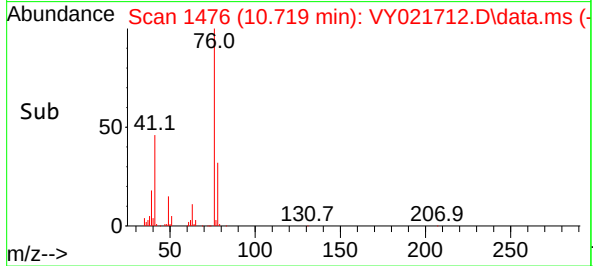
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 76 Resp: 57719
Ion Ratio Lower Upper
76 100
78 33.4 25.8 38.8

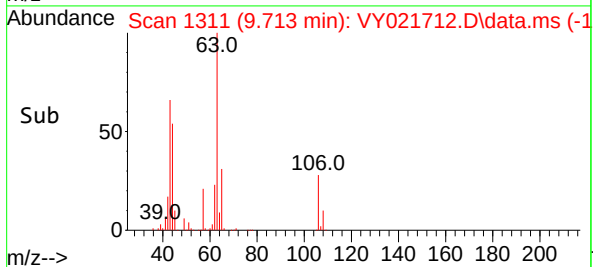
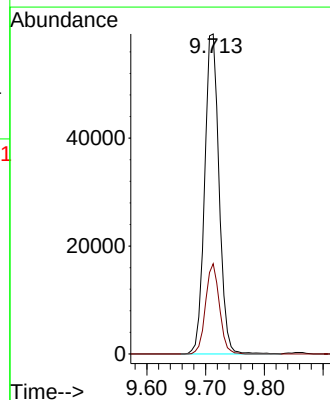
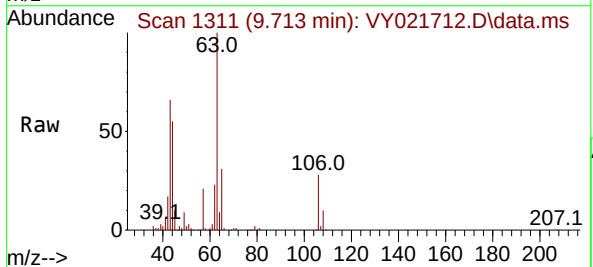
Manual Integrations
APPROVED

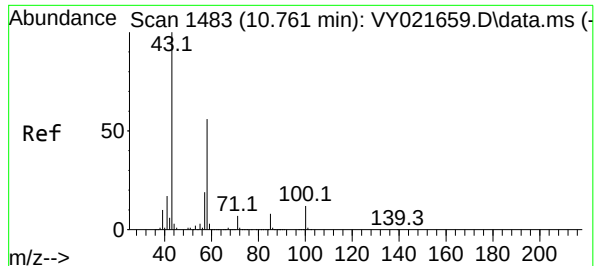
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#58
2-Chloroethyl Vinyl ether
Concen: 95.474 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 63 Resp: 101196
Ion Ratio Lower Upper
63 100
106 27.0 22.4 33.6





#59

2-Hexanone

Concen: 90.484 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 90774

Ion Ratio Lower Upper

43 100

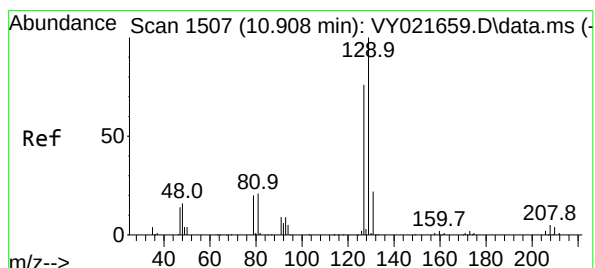
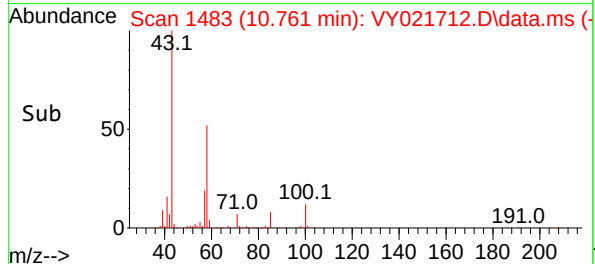
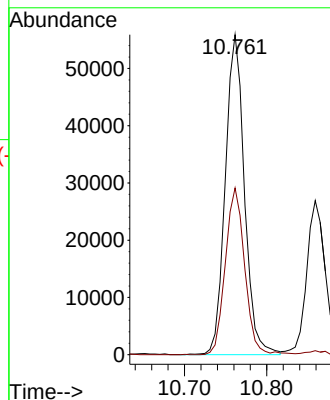
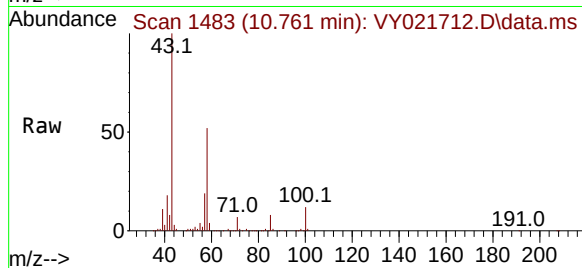
58 52.7 27.2 81.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#60

Dibromochloromethane

Concen: 19.905 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY021712.D

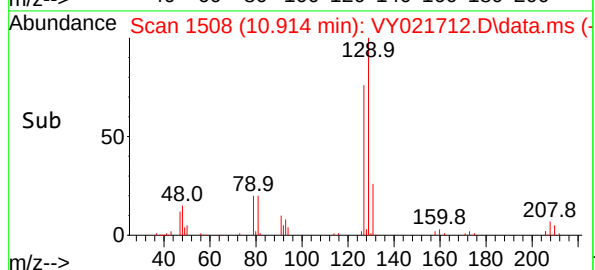
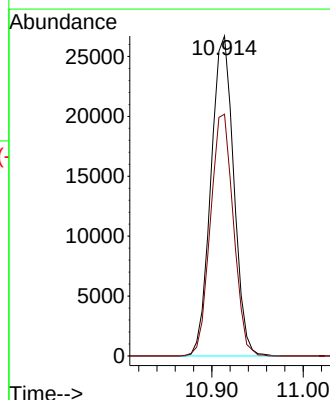
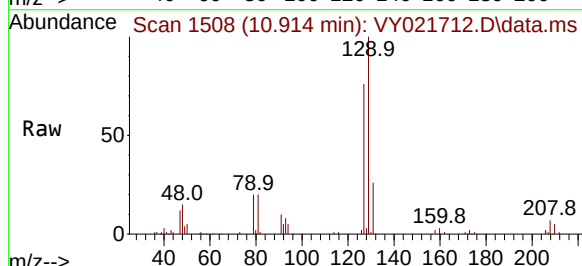
Acq: 31 Mar 2025 11:43

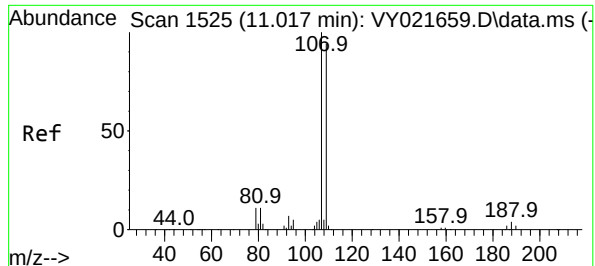
Tgt Ion:129 Resp: 46243

Ion Ratio Lower Upper

129 100

127 76.1 38.6 115.7





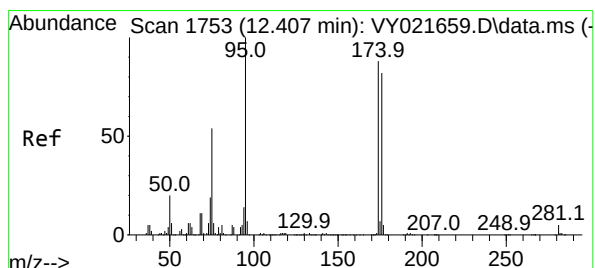
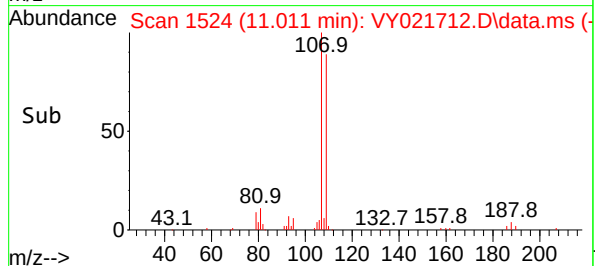
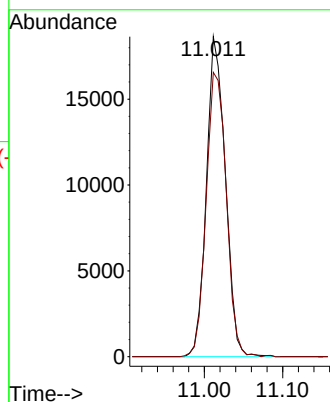
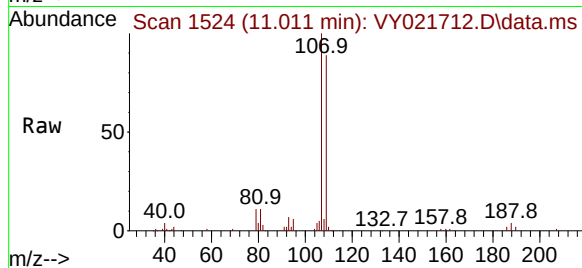
#61
1,2-Dibromoethane
Concen: 19.602 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:107 Resp: 31289
Ion Ratio Lower Upper
107 100
109 94.4 74.4 111.6

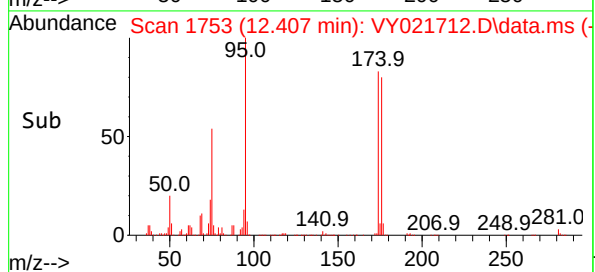
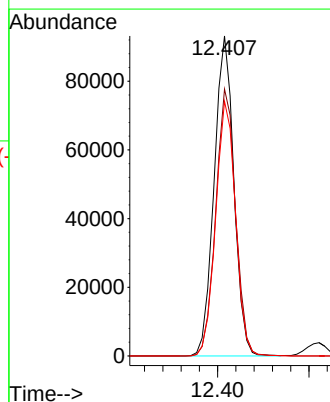
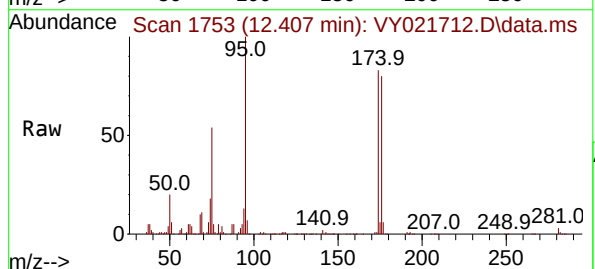
Manual Integrations
APPROVED

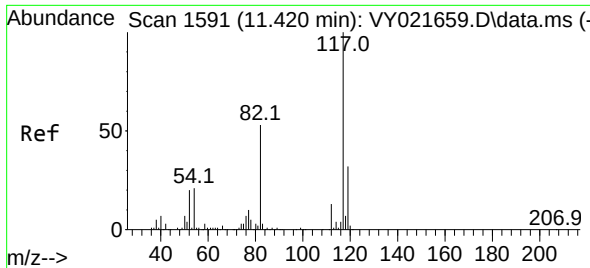
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#62
4-Bromofluorobenzene
Concen: 51.043 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

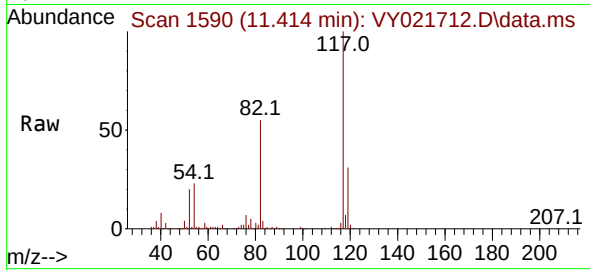
Tgt Ion: 95 Resp: 139565
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 80.2 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

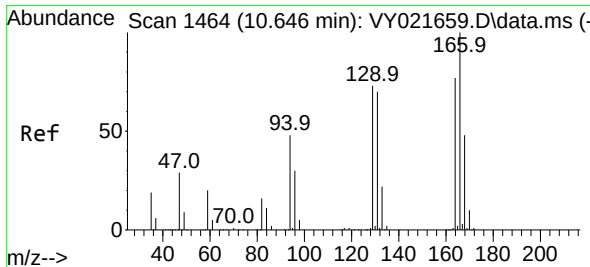
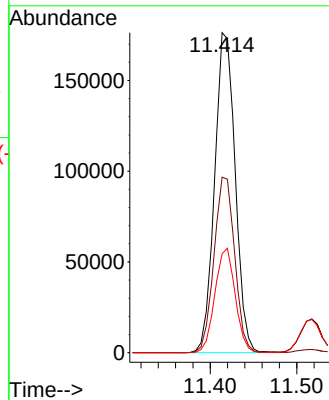
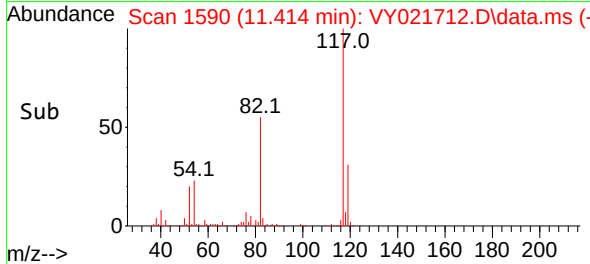
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion:117 Resp: 291569
Ion Ratio Lower Upper
117 100
82 54.9 42.8 64.2
119 30.9 25.7 38.5

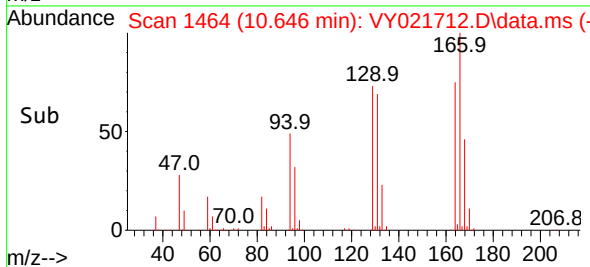
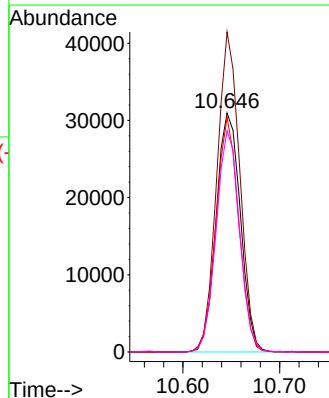
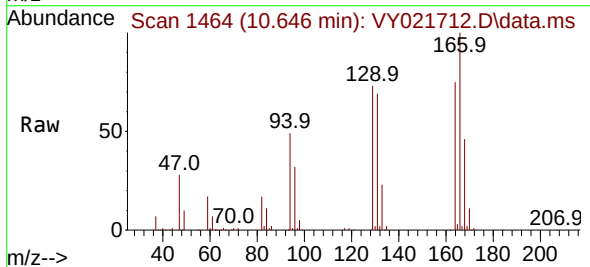
Manual Integrations
APPROVED

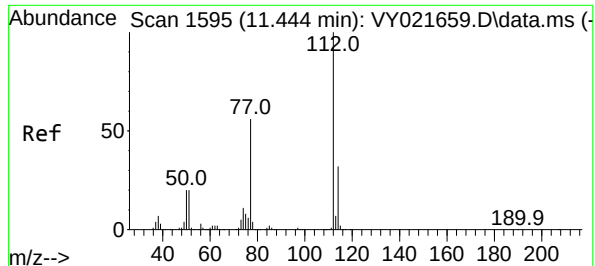
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#64
Tetrachloroethene
Concen: 20.297 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion:164 Resp: 53898
Ion Ratio Lower Upper
164 100
166 133.9 104.6 156.8
129 98.1 76.6 114.8
131 92.6 73.4 110.0





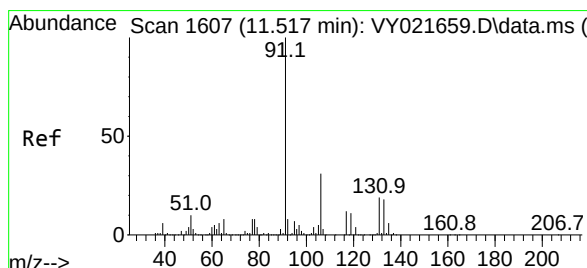
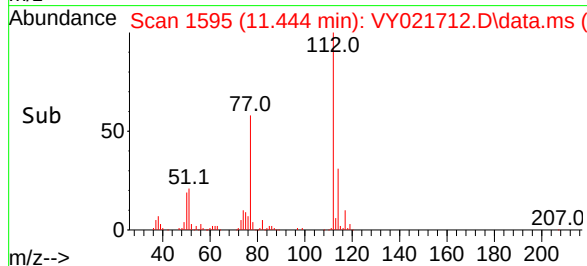
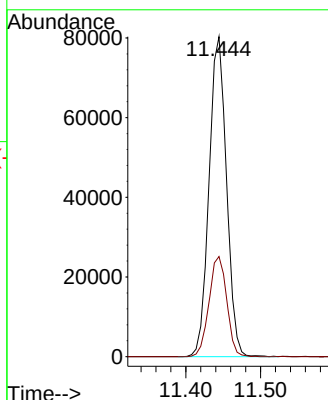
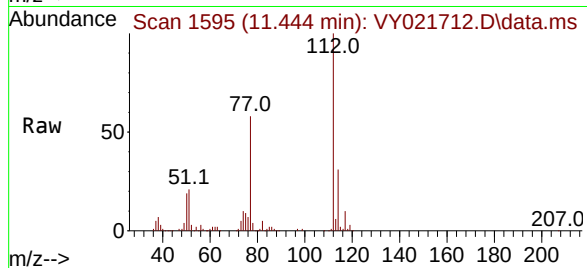
#65
Chlorobenzene
Concen: 19.481 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:112 Resp: 130200
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9

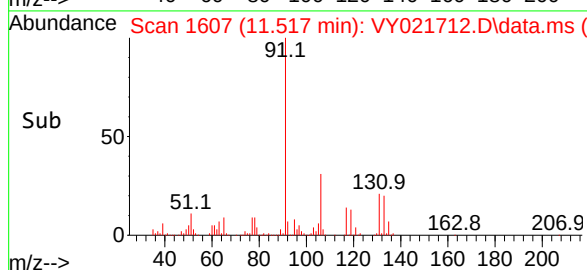
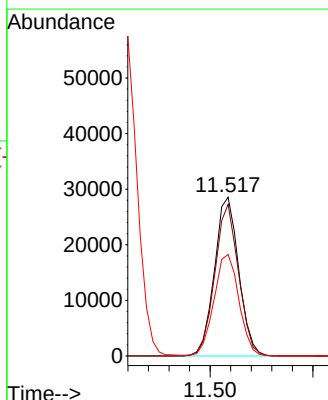
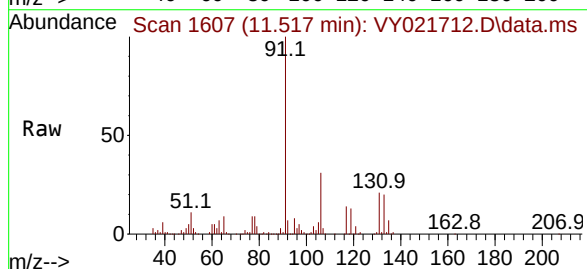
Manual Integrations
APPROVED

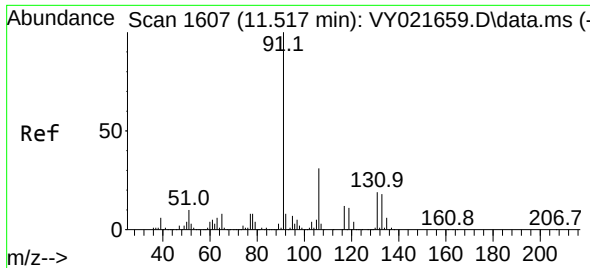
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.709 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

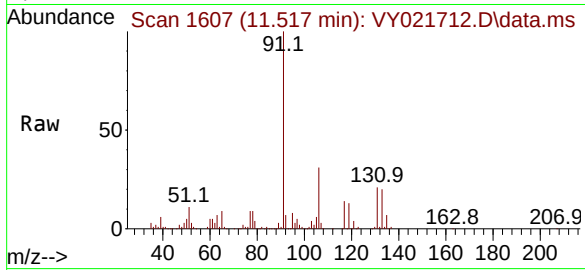
Tgt Ion:131 Resp: 46738
Ion Ratio Lower Upper
131 100
133 93.6 47.3 141.8
119 66.0 31.6 95.0





#67
Ethyl Benzene
Concen: 19.178 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

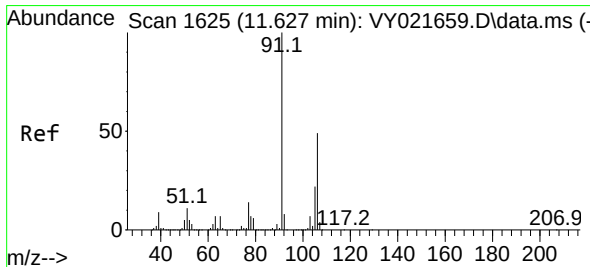
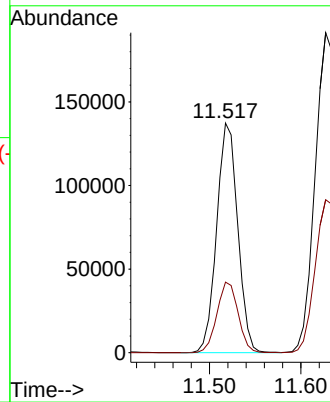
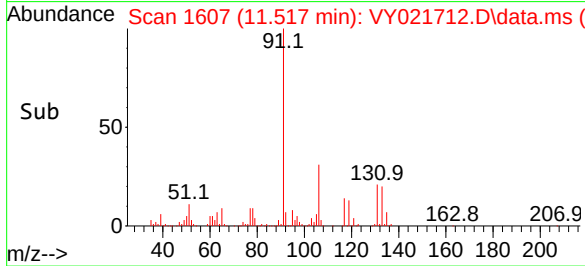
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 91 Resp: 21979
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

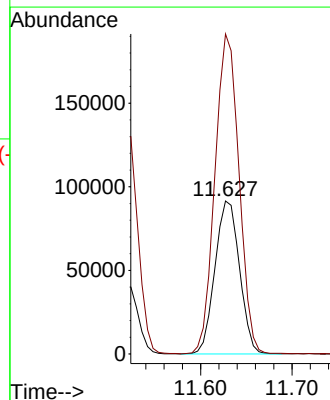
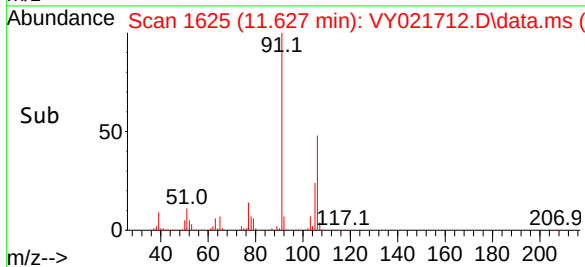
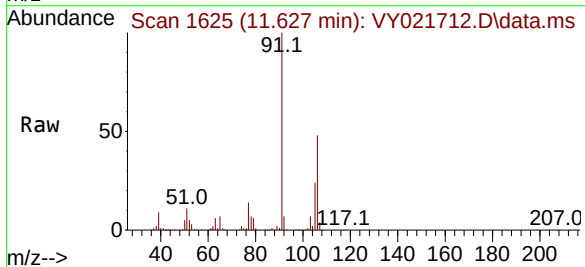
Manual Integrations
APPROVED

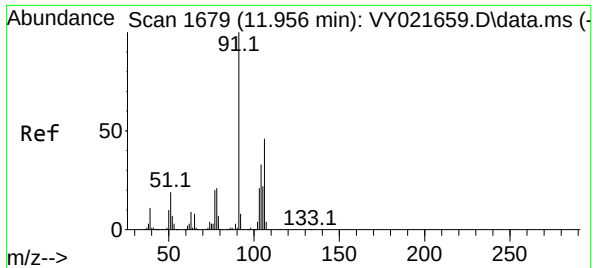
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#68
m/p-Xylenes
Concen: 38.930 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

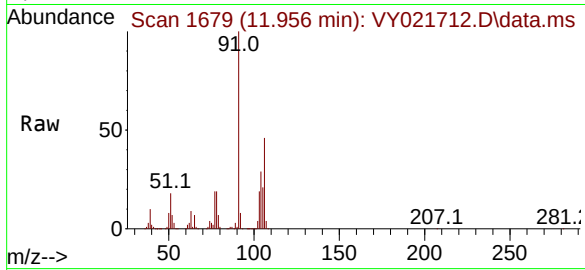
Tgt Ion:106 Resp: 170854
Ion Ratio Lower Upper
106 100
91 205.1 162.4 243.6





#69
o-Xylene
Concen: 19.197 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

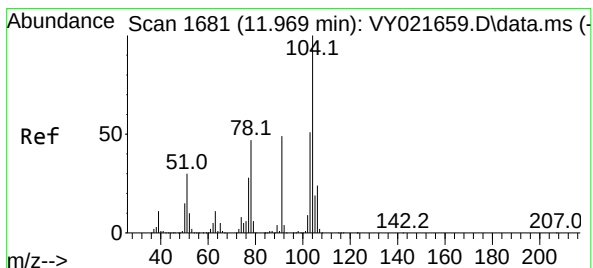
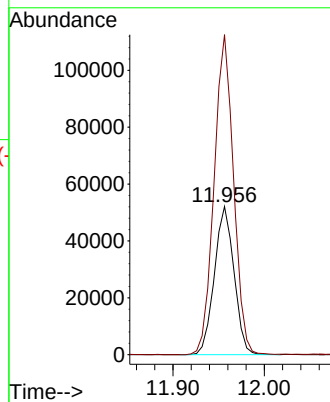
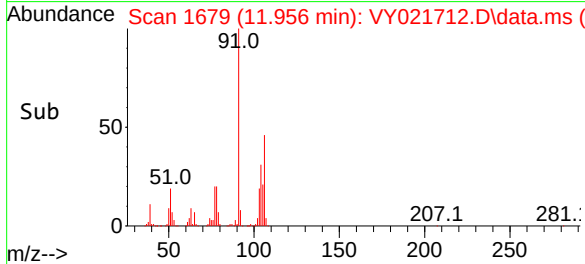
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



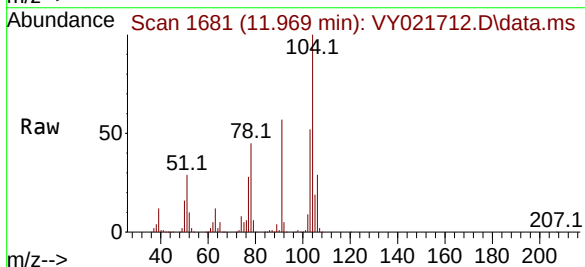
Tgt Ion:106 Resp: 77769
Ion Ratio Lower Upper
106 100
91 214.3 106.7 319.9

Manual Integrations
APPROVED

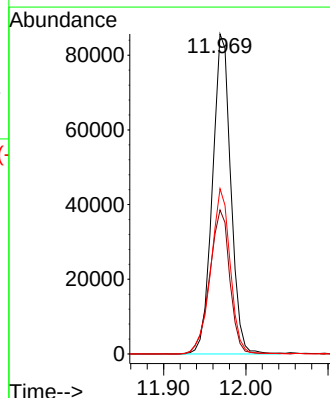
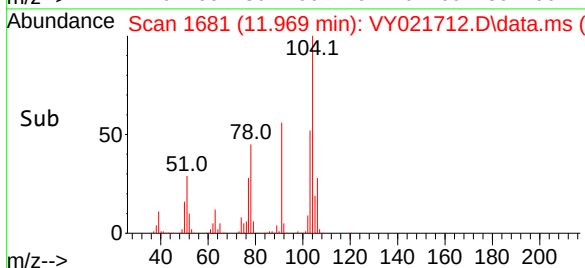
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

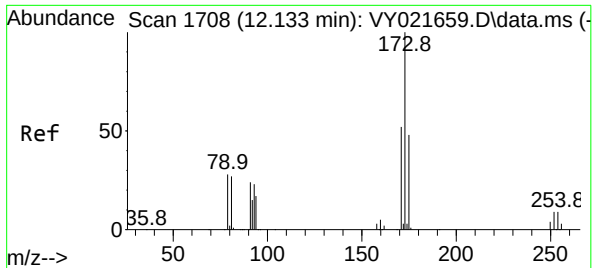


#70
Styrene
Concen: 19.694 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43



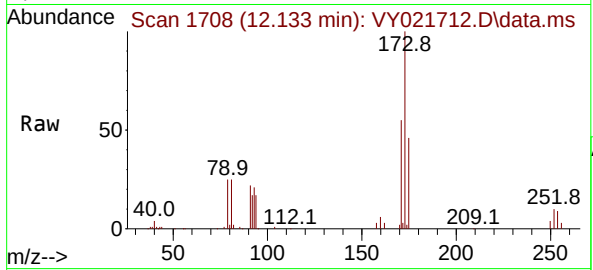
Tgt Ion:104 Resp: 133024
Ion Ratio Lower Upper
104 100
78 49.4 40.8 61.2
103 54.8 44.2 66.2





#71
Bromoform
Concen: 19.974 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

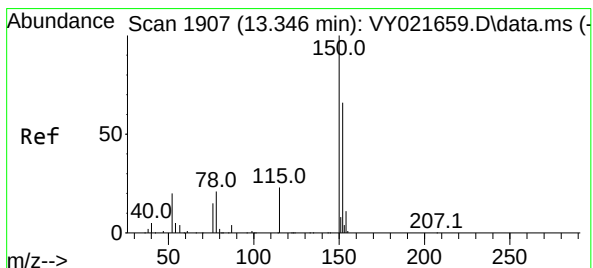
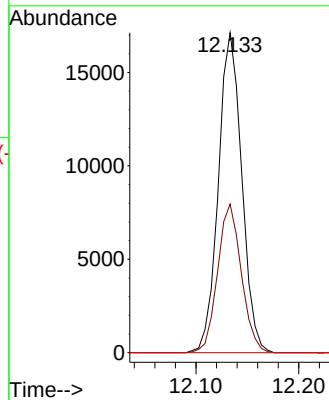
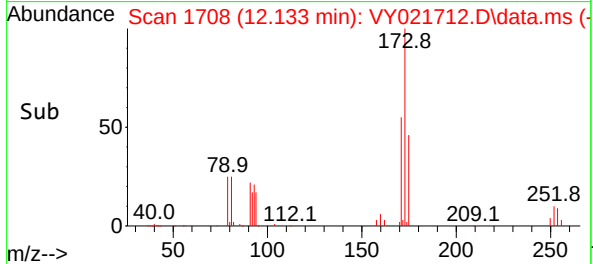
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



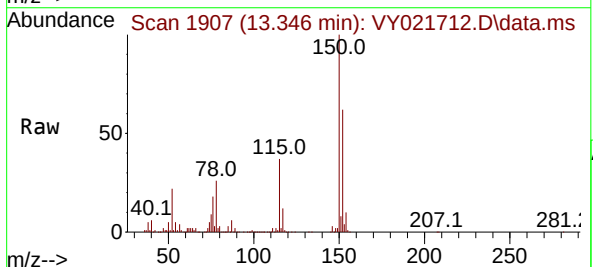
Tgt Ion:173 Resp: 27019
Ion Ratio Lower Upper
173 100
175 47.1 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

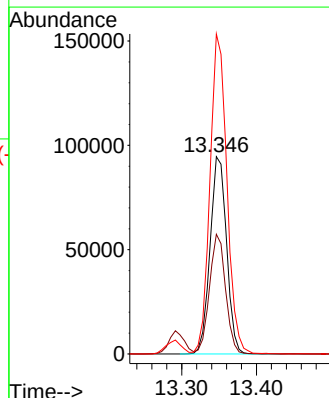
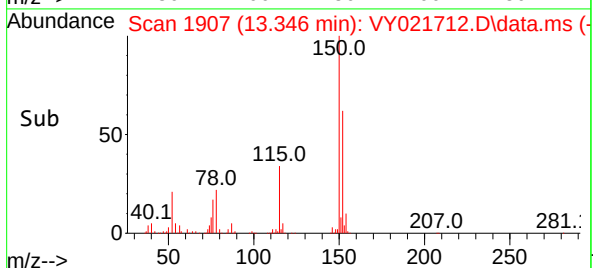
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

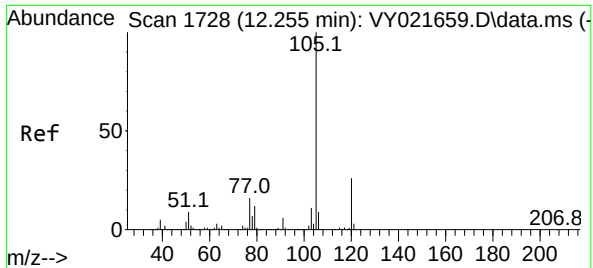


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43



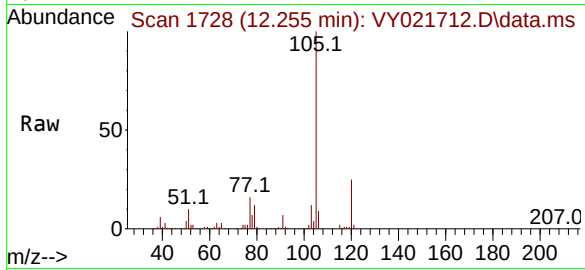
Tgt Ion:152 Resp: 145397
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 166.5 0.0 348.4





#73
Isopropylbenzene
Concen: 19.380 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

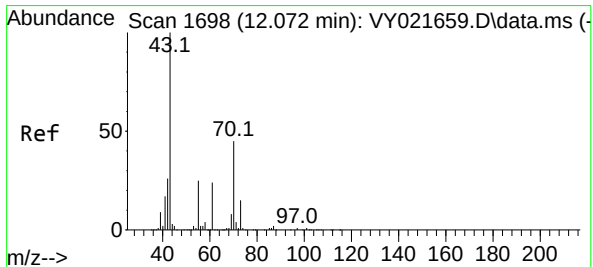
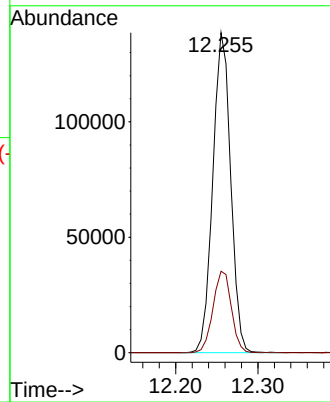
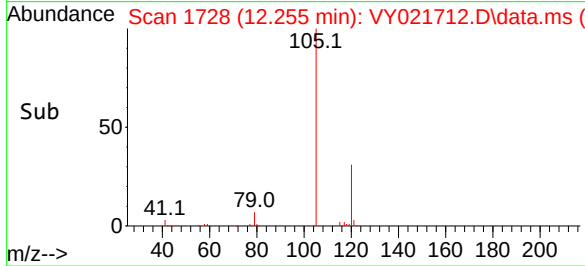
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



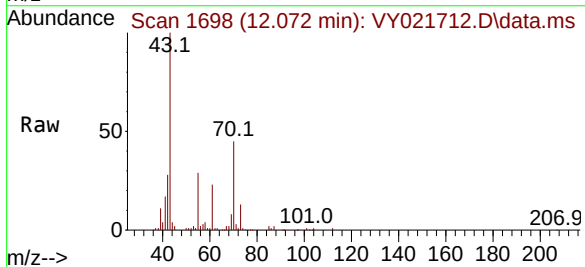
Tgt Ion: 105 Resp: 20928
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

Manual Integrations
APPROVED

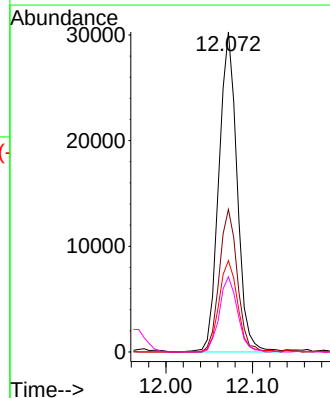
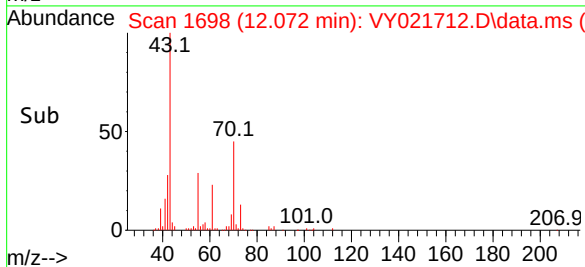
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

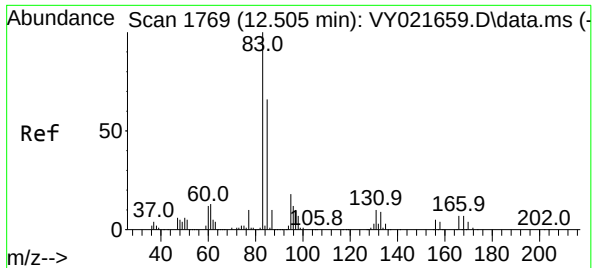


#74
N-ethyl acetate
Concen: 17.495 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43



Tgt Ion: 43 Resp: 44341
Ion Ratio Lower Upper
43 100
70 44.1 34.7 52.1
55 29.2 21.2 31.8
61 23.3 19.5 29.3





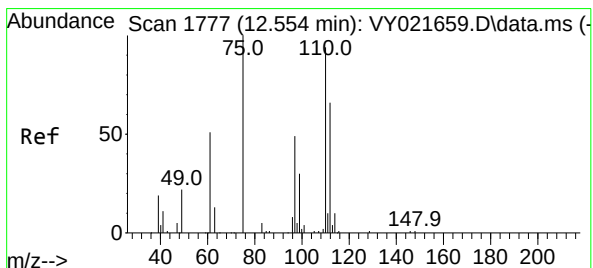
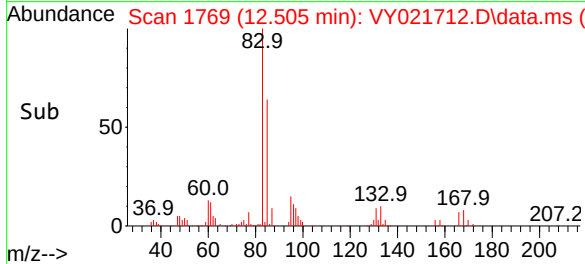
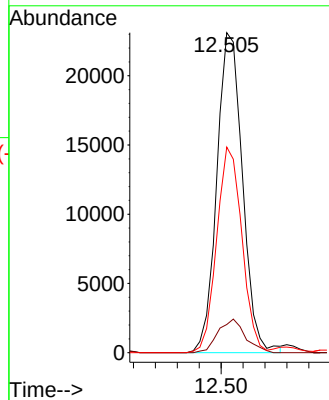
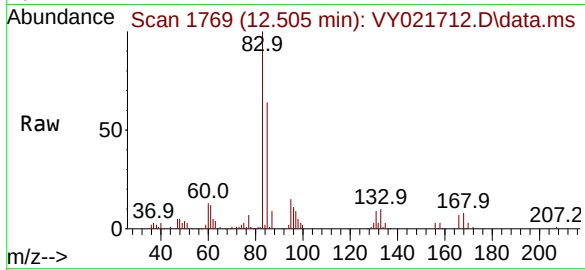
#75
1,1,2,2-Tetrachloroethane
Concen: 19.371 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 83 Resp: 37610
Ion Ratio Lower Upper
83 100
131 11.1 5.1 15.3
85 63.1 32.3 96.8

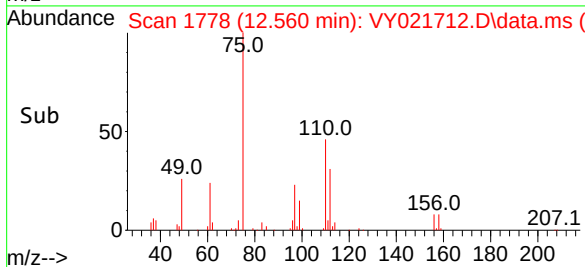
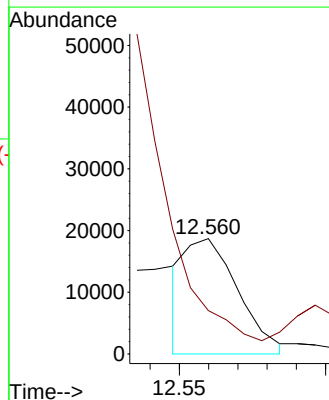
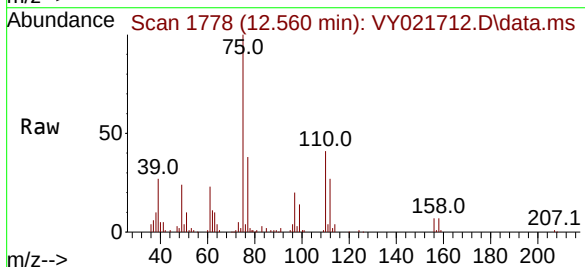
Manual Integrations
APPROVED

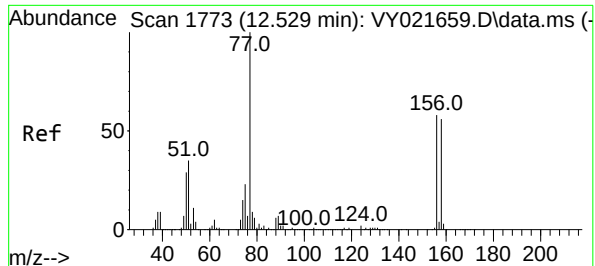
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#76
1,2,3-Trichloropropane
Concen: 16.333 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 75 Resp: 23540
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





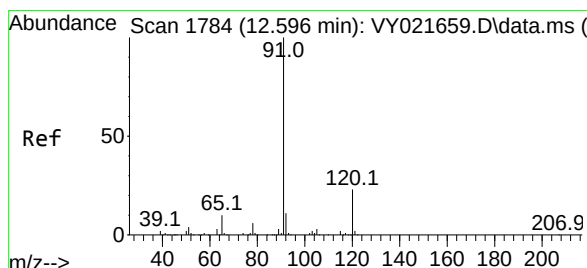
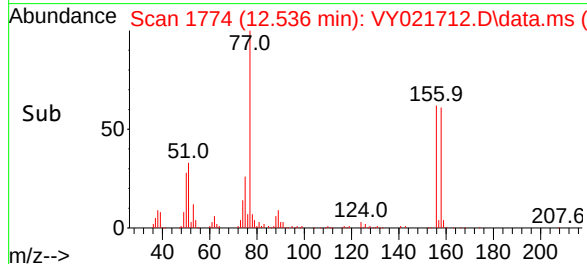
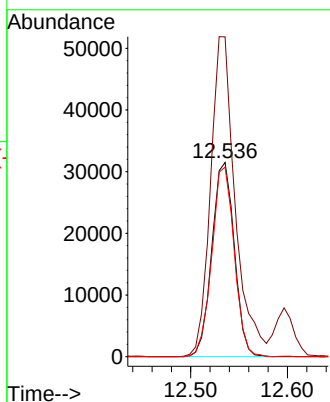
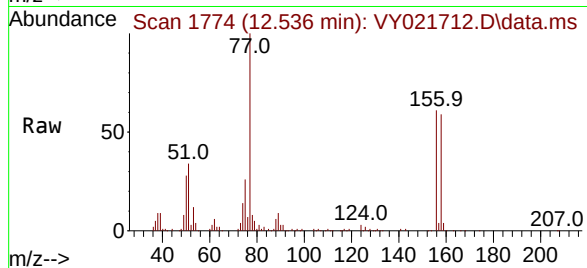
#77
Bromobenzene
Concen: 19.596 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:156 Resp: 50810
Ion Ratio Lower Upper
156 100
77 181.2 92.8 278.3
158 97.3 48.5 145.6

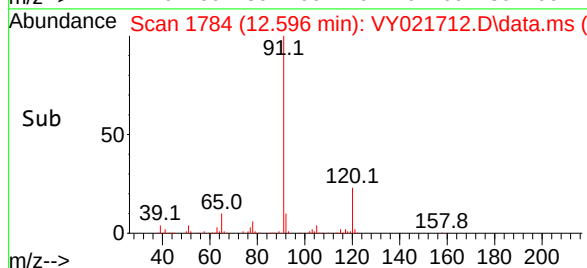
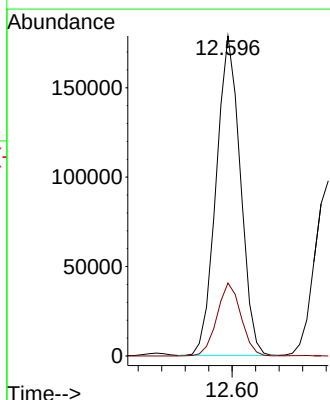
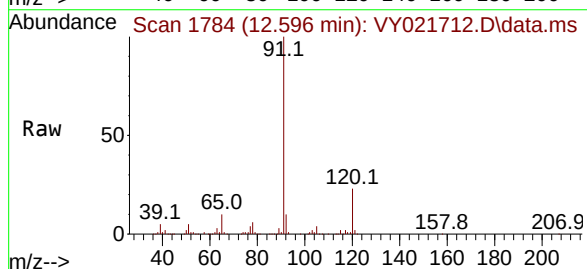
Manual Integrations
APPROVED

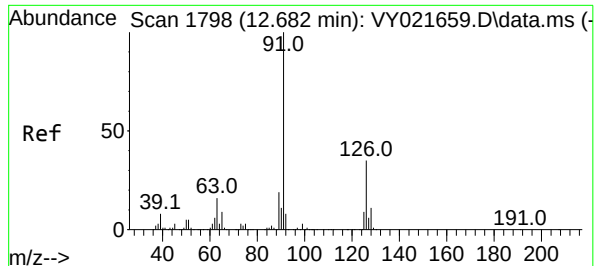
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#78
n-propylbenzene
Concen: 19.670 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 91 Resp: 255379
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.767 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 91 Resp: 149058

Ion Ratio Lower Upper

91 100

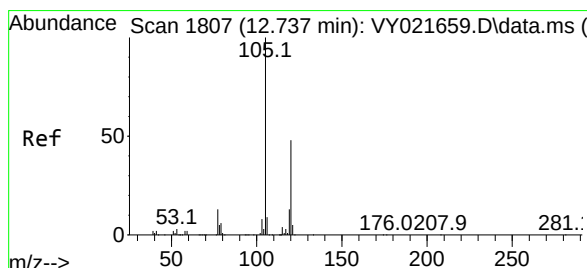
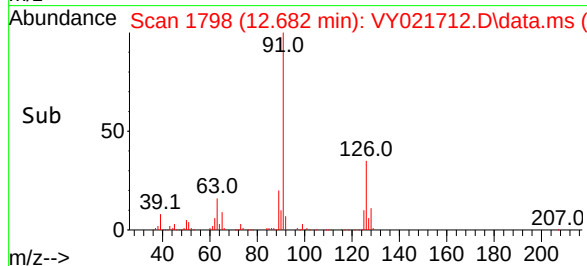
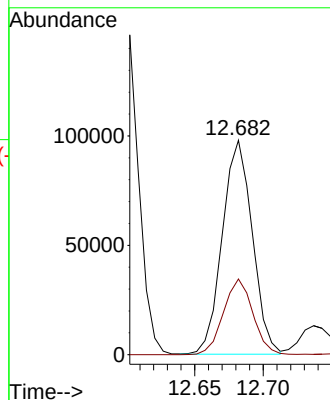
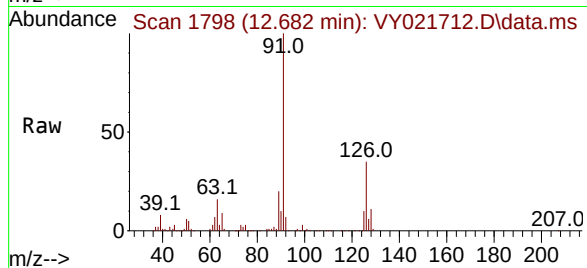
126 34.7 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.655 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021712.D

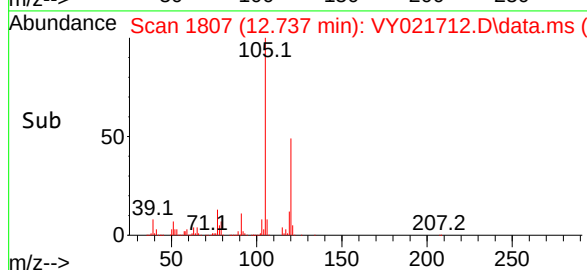
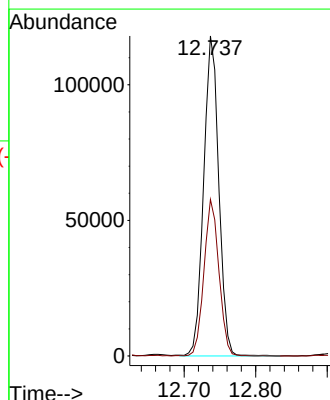
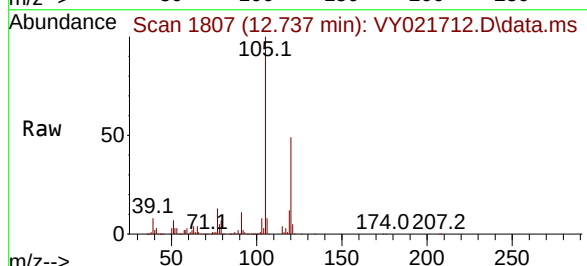
Acq: 31 Mar 2025 11:43

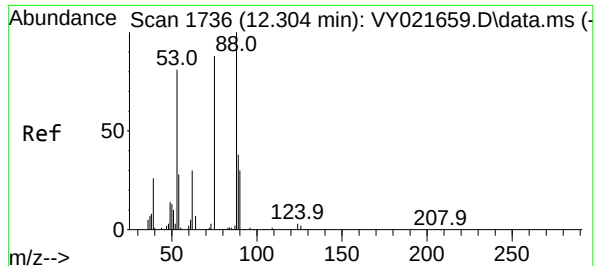
Tgt Ion:105 Resp: 173479

Ion Ratio Lower Upper

105 100

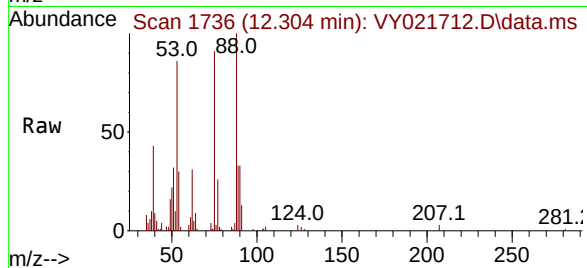
120 48.3 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 19.034 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

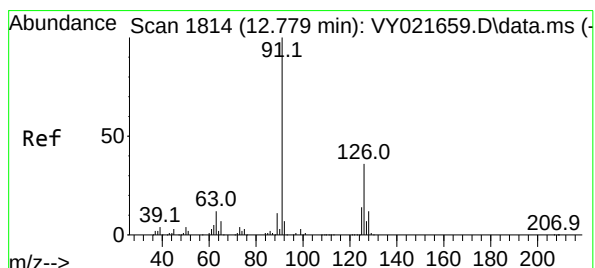
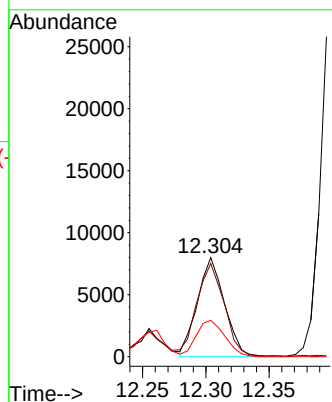
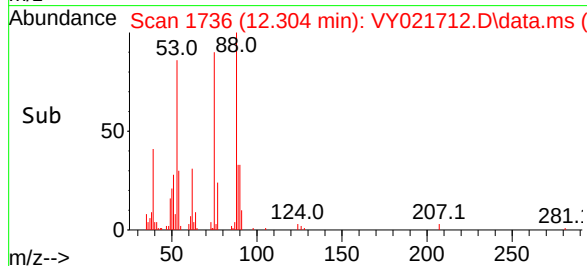
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 75 Resp: 11900
Ion Ratio Lower Upper
75 100
53 96.3 76.1 114.1
89 38.6 36.2 54.4

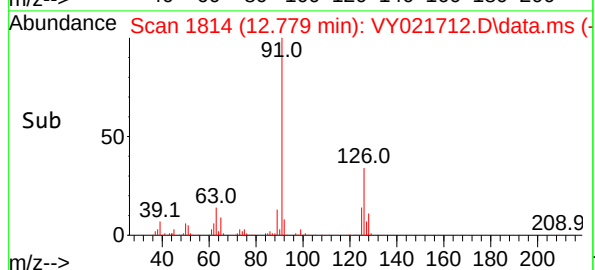
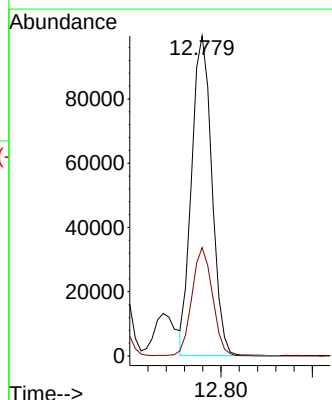
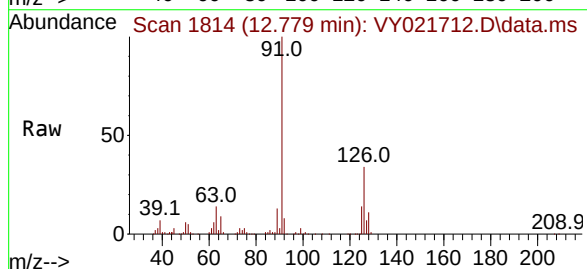
Manual Integrations
APPROVED

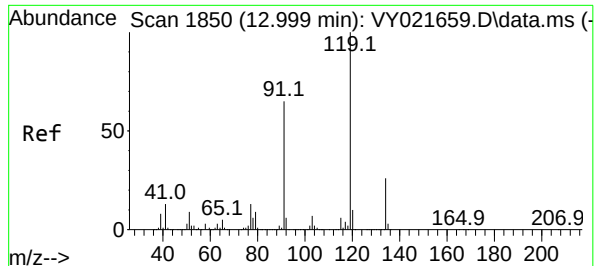
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#82
4-Chlorotoluene
Concen: 19.480 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 91 Resp: 153149
Ion Ratio Lower Upper
91 100
126 34.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 19.095 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:119 Resp: 150109

Ion Ratio Lower Upper

119 100

91 65.6 32.6 97.7

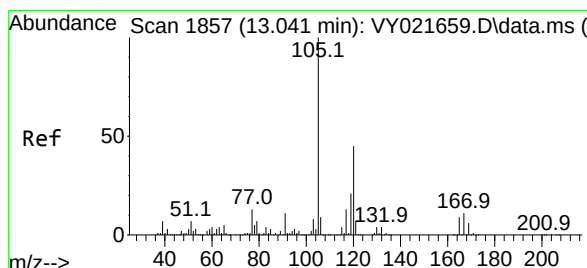
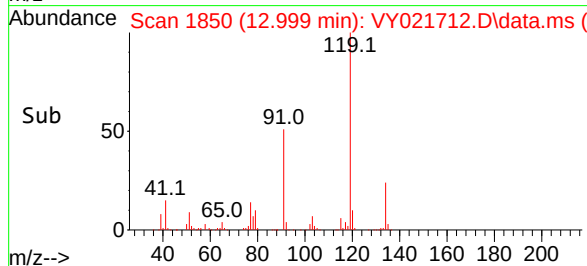
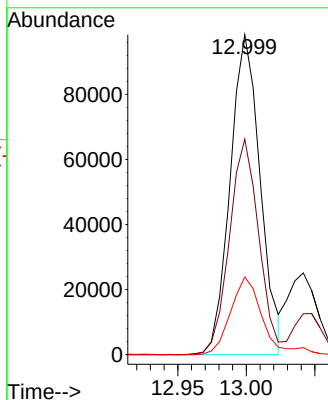
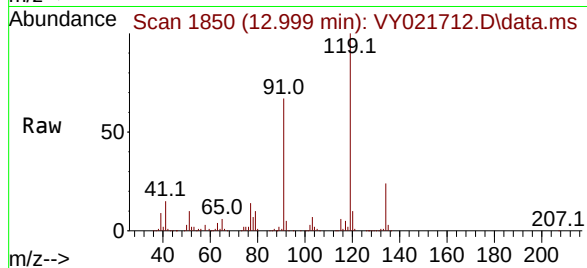
134 25.8 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.651 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY021712.D

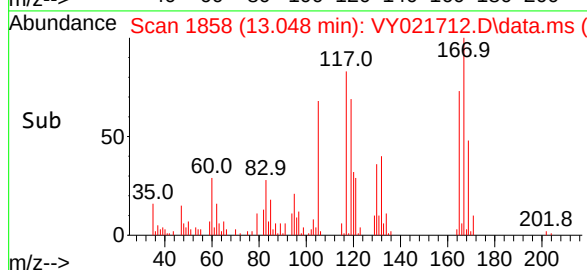
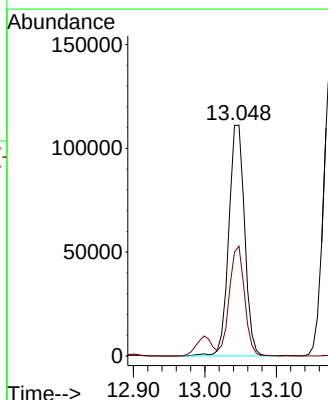
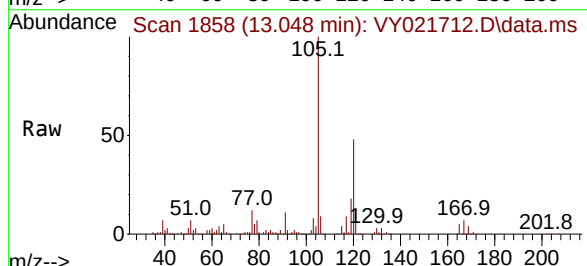
Acq: 31 Mar 2025 11:43

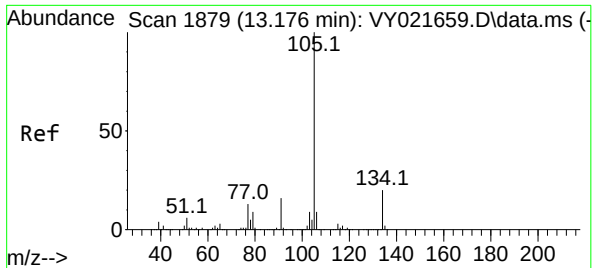
Tgt Ion:105 Resp: 171420

Ion Ratio Lower Upper

105 100

120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.644 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:105 Resp: 22568

Ion Ratio Lower Upper

105 100

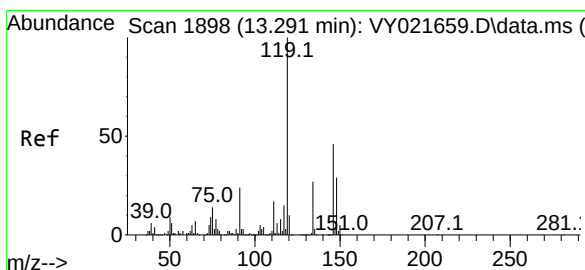
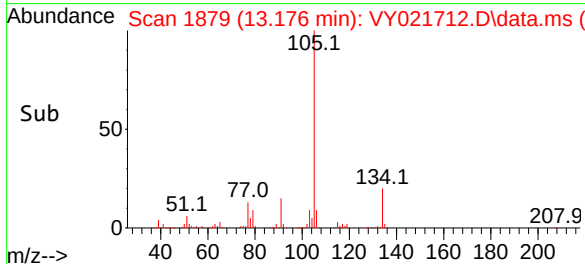
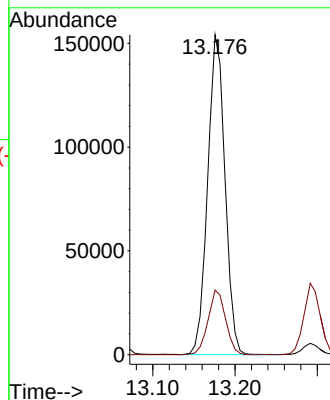
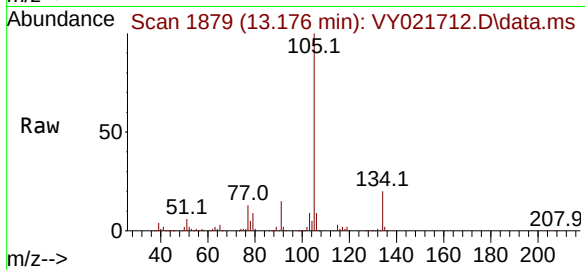
134 20.4 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#86

p-Isopropyltoluene

Concen: 19.674 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

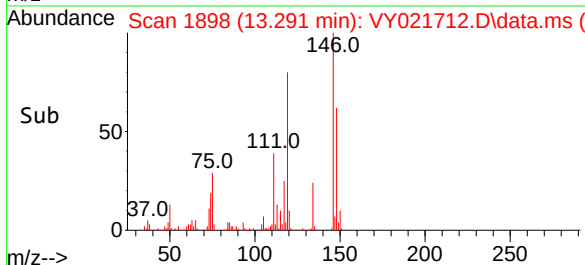
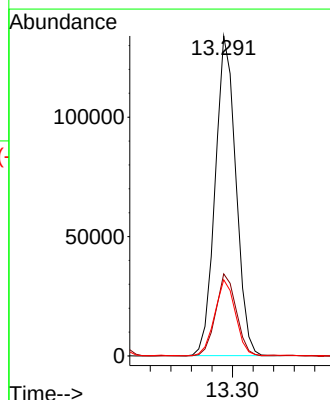
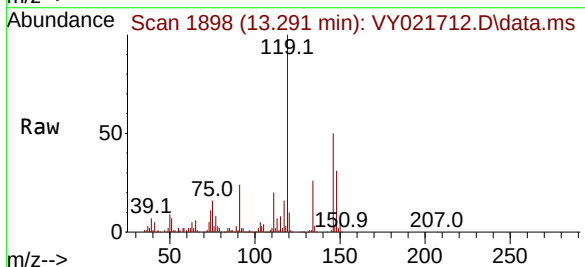
Tgt Ion:119 Resp: 186815

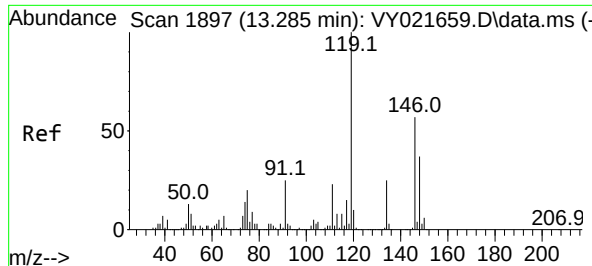
Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.5

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.052 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:146 Resp: 10243

Ion Ratio Lower Upper

146 100

111 38.6 20.0 60.0

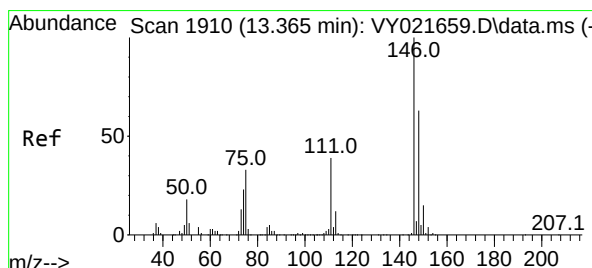
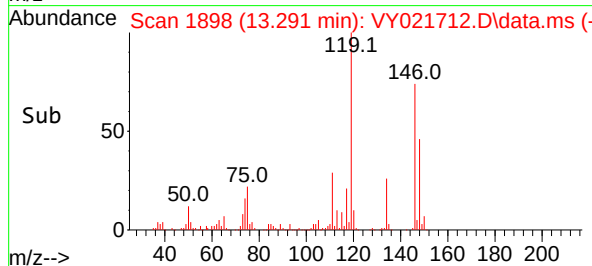
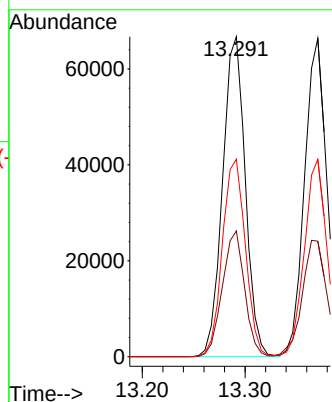
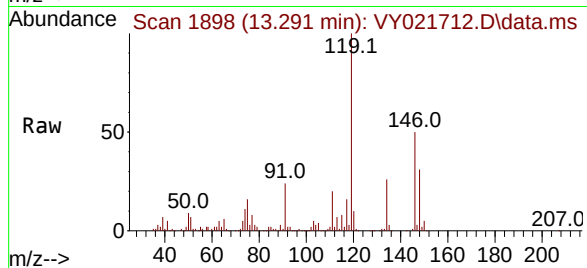
148 62.5 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#88

1,4-Dichlorobenzene

Concen: 19.814 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

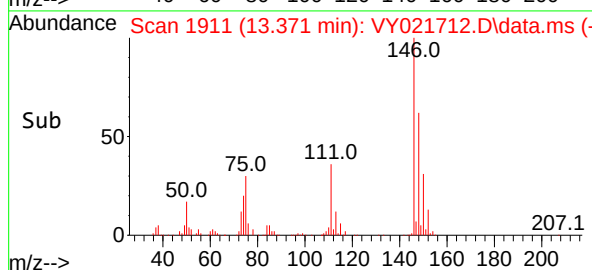
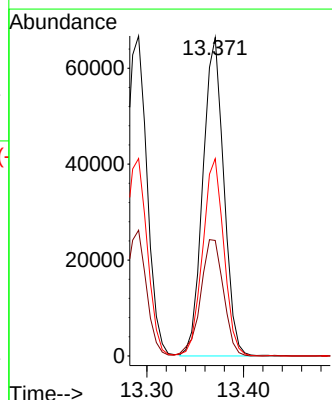
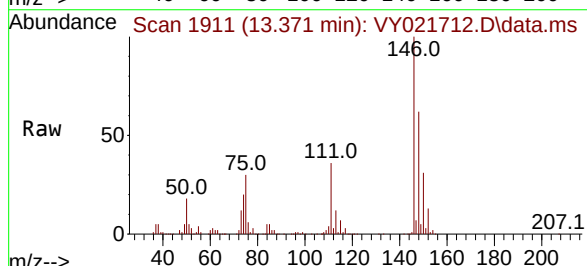
Tgt Ion:146 Resp: 100004

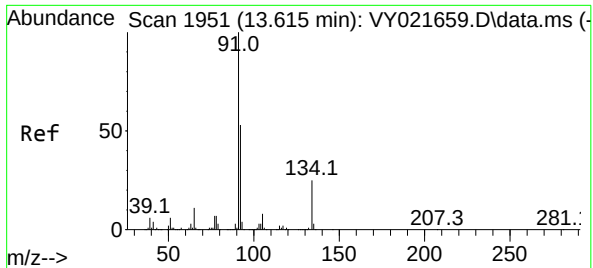
Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.1

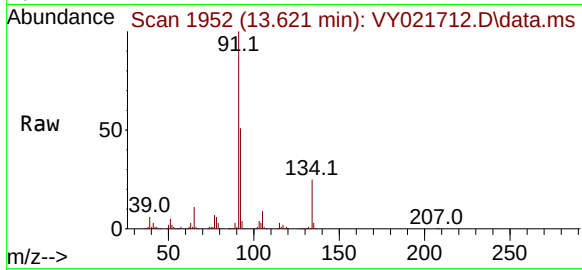
148 62.8 31.5 94.5





#89
n-Butylbenzene
Concen: 19.297 ug/l
RT: 13.621 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

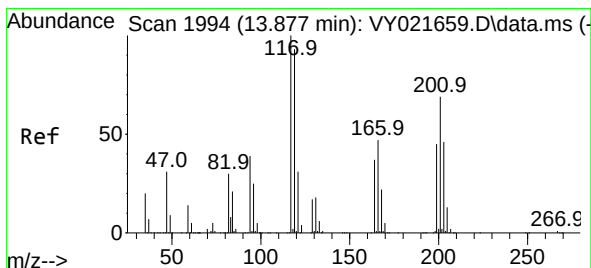
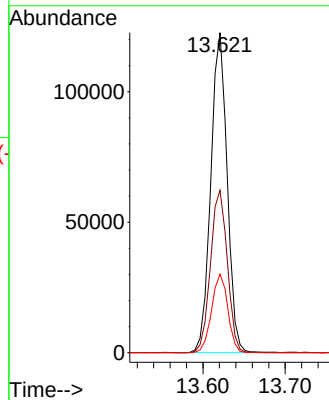
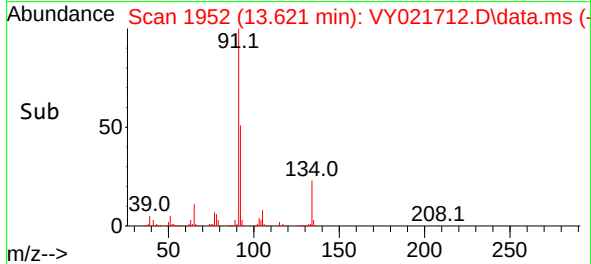
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 91 Resp: 169450
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.2
134 24.3 12.8 38.4

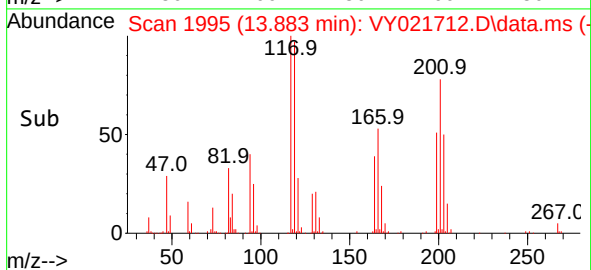
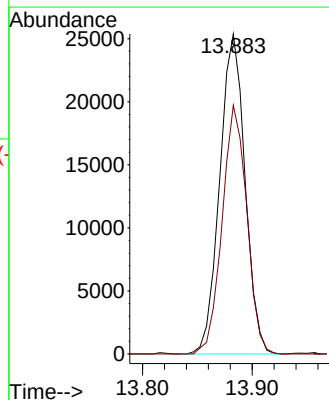
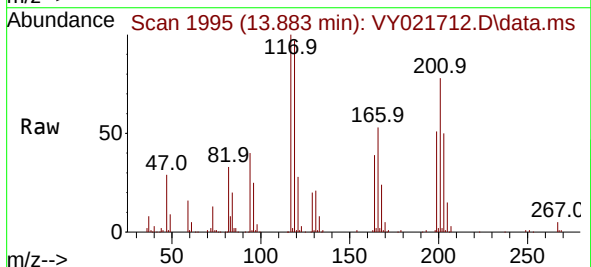
Manual Integrations
APPROVED

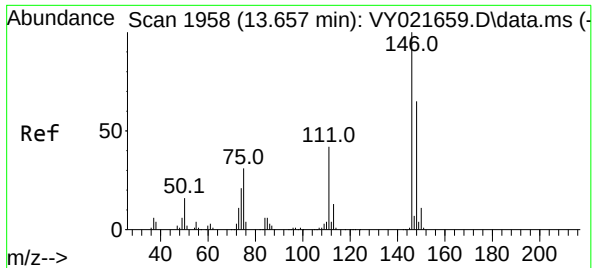
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#90
Hexachloroethane
Concen: 19.524 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion:117 Resp: 40626
Ion Ratio Lower Upper
117 100
201 75.7 37.4 112.1





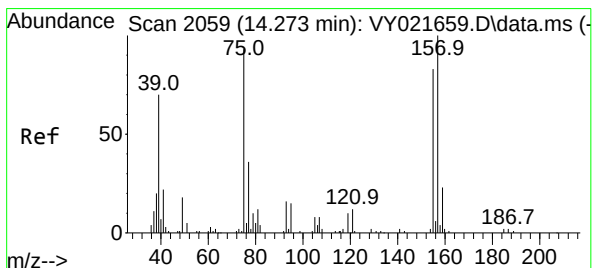
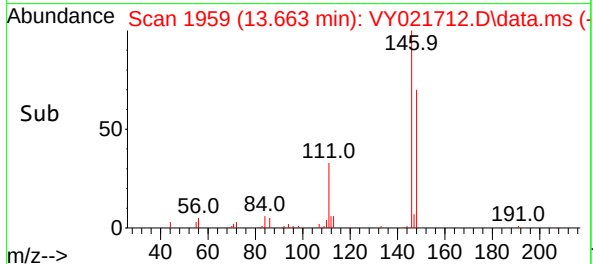
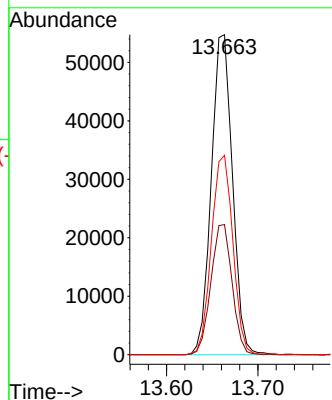
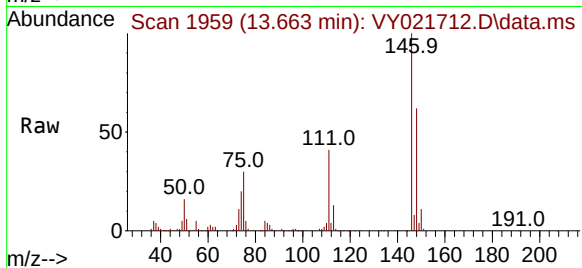
#91
1,2-Dichlorobenzene
Concen: 19.797 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:146 Resp: 88038
Ion Ratio Lower Upper
146 100
111 40.6 20.7 62.1
148 63.3 32.3 96.9

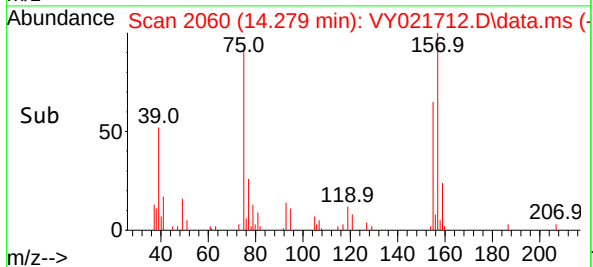
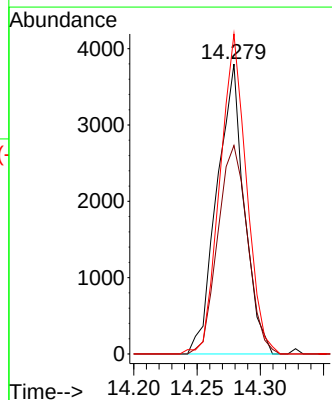
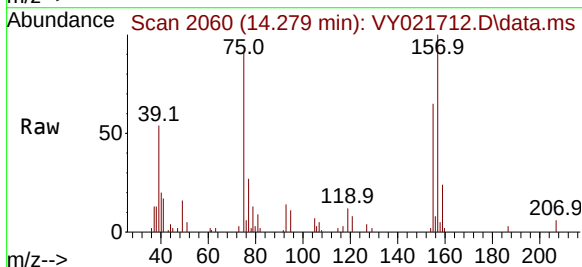
Manual Integrations
APPROVED

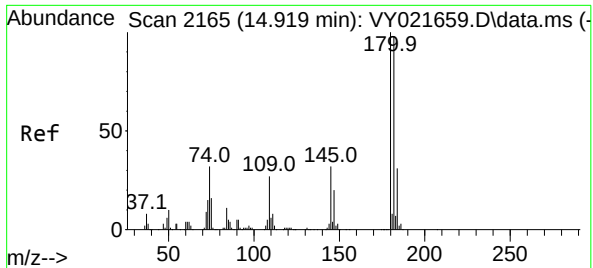
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.895 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021712.D
Acq: 31 Mar 2025 11:43

Tgt Ion: 75 Resp: 5686
Ion Ratio Lower Upper
75 100
155 78.5 43.0 128.8
157 107.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 18.342 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021712.D

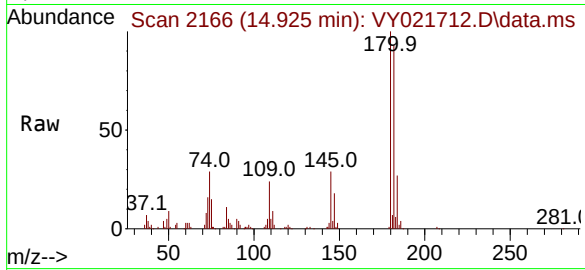
Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01



Tgt Ion:180 Resp: 44234

Ion Ratio Lower Upper

180 100

182 93.0 47.5 142.6

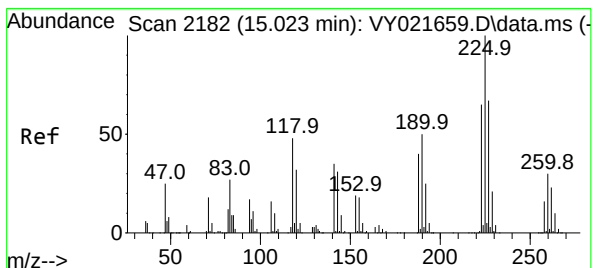
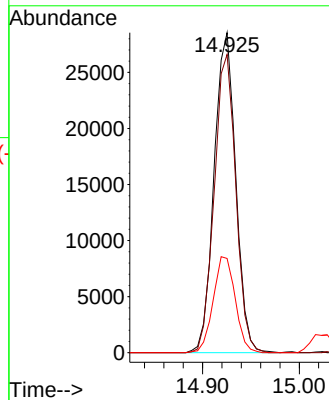
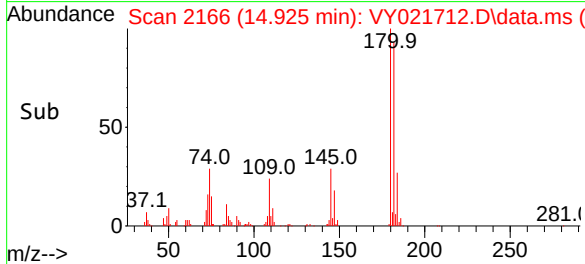
145 30.6 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#94

Hexachlorobutadiene

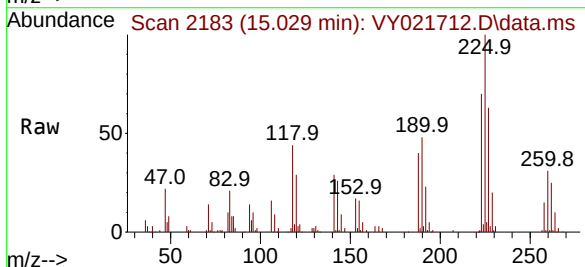
Concen: 18.931 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43



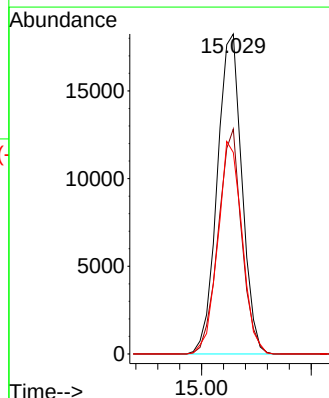
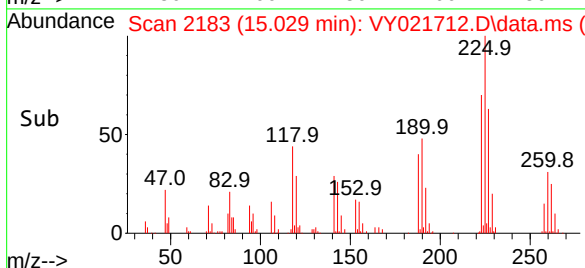
Tgt Ion:225 Resp: 28512

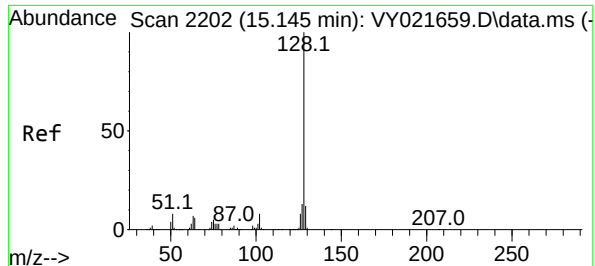
Ion Ratio Lower Upper

225 100

223 66.9 31.9 95.7

227 65.4 32.4 97.0





#95

Naphthalene

Concen: 16.183 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:128 Resp: 64689

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

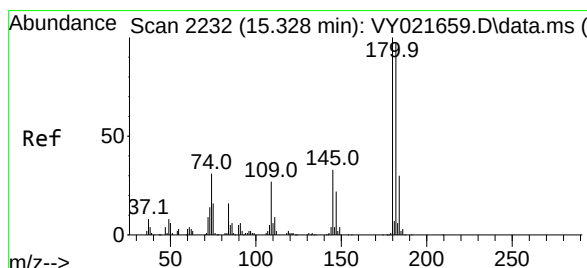
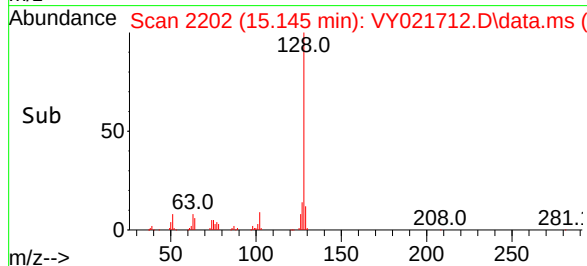
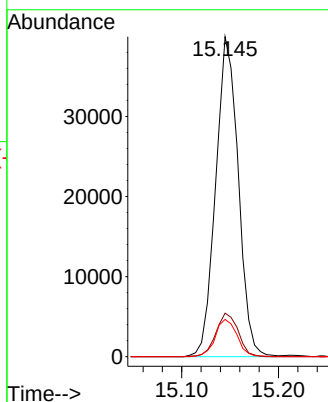
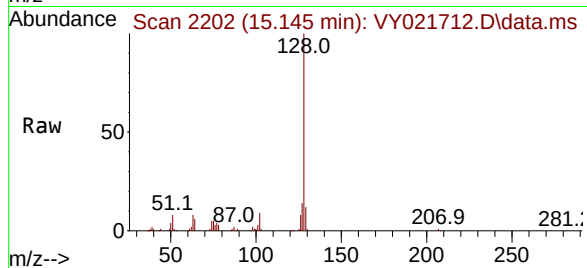
129 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#96

1,2,3-Trichlorobenzene

Concen: 17.815 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021712.D

Acq: 31 Mar 2025 11:43

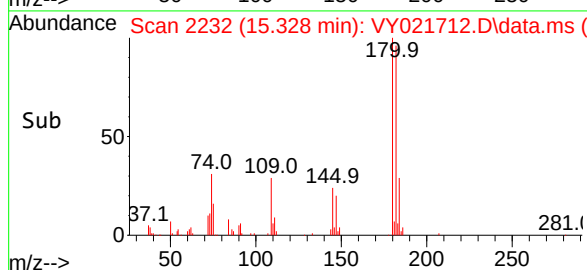
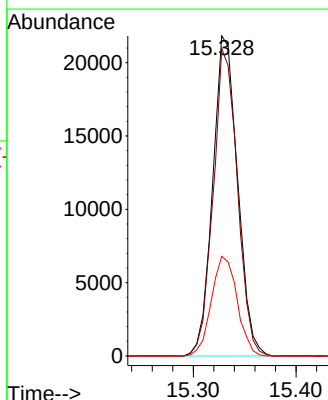
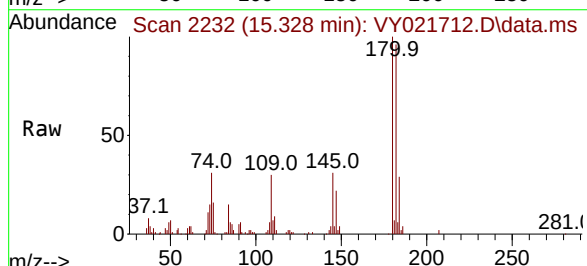
Tgt Ion:180 Resp: 36636

Ion Ratio Lower Upper

180 100

182 93.3 47.5 142.5

145 32.2 15.9 47.7



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.7		1.00	5.00	ug/Kg
67-64-1	Acetone	94.3		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.7		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	19.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.6		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0401SBS01		SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	94.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (74) - 130 (123)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	7.707			
540-36-3	1,4-Difluorobenzene	408000	8.616			
3114-55-4	Chlorobenzene-d5	358000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.346			



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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021733.D
 Acq On : 01 Apr 2025 11:30
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:04 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	262284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	407591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	358349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148566	52.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	143137	54.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.280%			
50) Toluene-d8	10.103	98	552526	54.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.408	95	184811	54.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	52708	19.389	ug/l	98
3) Chloromethane	2.068	50	69229	18.110	ug/l	98
4) Vinyl Chloride	2.202	62	79314	18.347	ug/l	100
5) Bromomethane	2.586	94	58063	19.693	ug/l	99
6) Chloroethane	2.732	64	52067	18.406	ug/l	99
7) Trichlorofluoromethane	3.056	101	108844	19.655	ug/l	99
8) Diethyl Ether	3.452	74	29391	19.516	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	58802	20.132	ug/l	99
10) Methyl Iodide	4.000	142	57434	17.924	ug/l	99
11) Tert butyl alcohol	4.854	59	16186	87.691	ug/l	99
12) 1,1-Dichloroethene	3.787	96	54196	19.700	ug/l	91
13) Acrolein	3.647	56	25175	74.696	ug/l	100
14) Allyl chloride	4.378	41	82560	18.822	ug/l	98
15) Acrylonitrile	5.055	53	58322	92.750	ug/l	99
16) Acetone	3.866	43	54827	94.269	ug/l	93
17) Carbon Disulfide	4.104	76	168907	18.640	ug/l	97
18) Methyl Acetate	4.385	43	26825	18.610	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	130257	19.017	ug/l	98
20) Methylene Chloride	4.610	84	61724	19.315	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	60292	19.905	ug/l	98
22) Diisopropyl ether	6.018	45	178430	19.391	ug/l	98
23) Vinyl Acetate	5.957	43	500924	93.058	ug/l	97
24) 1,1-Dichloroethane	5.915	63	107840	19.600	ug/l	99
25) 2-Butanone	6.890	43	77870	93.740	ug/l	100
26) 2,2-Dichloropropane	6.884	77	94979	19.406	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	66817	19.615	ug/l	98
28) Bromochloromethane	7.244	49	44742	19.282	ug/l	99
29) Tetrahydrofuran	7.256	42	47928	89.647	ug/l	96
30) Chloroform	7.415	83	111174	19.427	ug/l	92
31) Cyclohexane	7.695	56	94288	18.799	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	102527	19.822	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79309	19.693	ug/l	98
37) Ethyl Acetate	6.982	43	36034	18.959	ug/l	99
38) Carbon Tetrachloride	7.811	117	93478	20.266	ug/l	96
39) Methylcyclohexane	9.109	83	94387	19.619	ug/l	97
40) Benzene	8.079	78	240138	19.911	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021733.D
 Acq On : 01 Apr 2025 11:30
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:04 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	18293m	18.123	ug/l	
42) 1,2-Dichloroethane	8.158	62	66624	19.595	ug/l	100
43) Isopropyl Acetate	8.195	43	69114	19.189	ug/l #	86
44) Trichloroethene	8.865	130	63043	20.516	ug/l	95
45) 1,2-Dichloropropane	9.140	63	57479	20.134	ug/l	99
46) Dibromomethane	9.225	93	32300	19.632	ug/l	97
47) Bromodichloromethane	9.420	83	84013	19.707	ug/l	99
48) Methyl methacrylate	9.219	41	30905	18.696	ug/l	100
49) 1,4-Dioxane	9.231	88	7023	398.466	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	177237	94.559	ug/l	99
52) Toluene	10.170	92	150299	19.974	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	73353	19.371	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	87090	19.495	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	42257	19.958	ug/l	98
56) Ethyl methacrylate	10.438	69	50856	18.811	ug/l	98
57) 1,3-Dichloropropane	10.719	76	71498	19.553	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	130109	98.652	ug/l	100
59) 2-Hexanone	10.761	43	118439	94.881	ug/l	100
60) Dibromochloromethane	10.914	129	57761	19.981	ug/l	99
61) 1,2-Dibromoethane	11.011	107	39631	19.954	ug/l	98
64) Tetrachloroethene	10.646	164	67787	20.770	ug/l	96
65) Chlorobenzene	11.444	112	163162	19.863	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	57780	19.825	ug/l	99
67) Ethyl Benzene	11.517	91	279312	19.829	ug/l	100
68) m/p-Xylenes	11.627	106	213197	39.525	ug/l	99
69) o-Xylene	11.956	106	99393	19.962	ug/l	99
70) Styrene	11.969	104	164968	19.872	ug/l	99
71) Bromoform	12.133	173	34082	20.501	ug/l #	99
73) Isopropylbenzene	12.255	105	263449	19.814	ug/l	100
74) N-amyl acetate	12.072	43	56258	18.029	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	44993	18.822	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35449m	19.977	ug/l	
77) Bromobenzene	12.529	156	63312	19.832	ug/l	99
78) n-propylbenzene	12.597	91	318964	19.954	ug/l	98
79) 2-Chlorotoluene	12.682	91	185554	19.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	217918	20.054	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	14203	18.443	ug/l	97
82) 4-Chlorotoluene	12.779	91	193577	19.999	ug/l	99
83) tert-Butylbenzene	12.999	119	192081	19.845	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	216682	20.175	ug/l	99
85) sec-Butylbenzene	13.176	105	282492	19.971	ug/l	100
86) p-Isopropyltoluene	13.291	119	232750	19.909	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	124312	19.765	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	122507	19.714	ug/l	98
89) n-Butylbenzene	13.615	91	210873	19.504	ug/l	100
90) Hexachloroethane	13.877	117	49366	19.269	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	107999	19.725	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7455	20.121	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	57035	19.209	ug/l	99
94) Hexachlorobutadiene	15.023	225	37553	20.252	ug/l	97
95) Naphthalene	15.145	128	90494	18.388	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48126	19.008	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:04 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

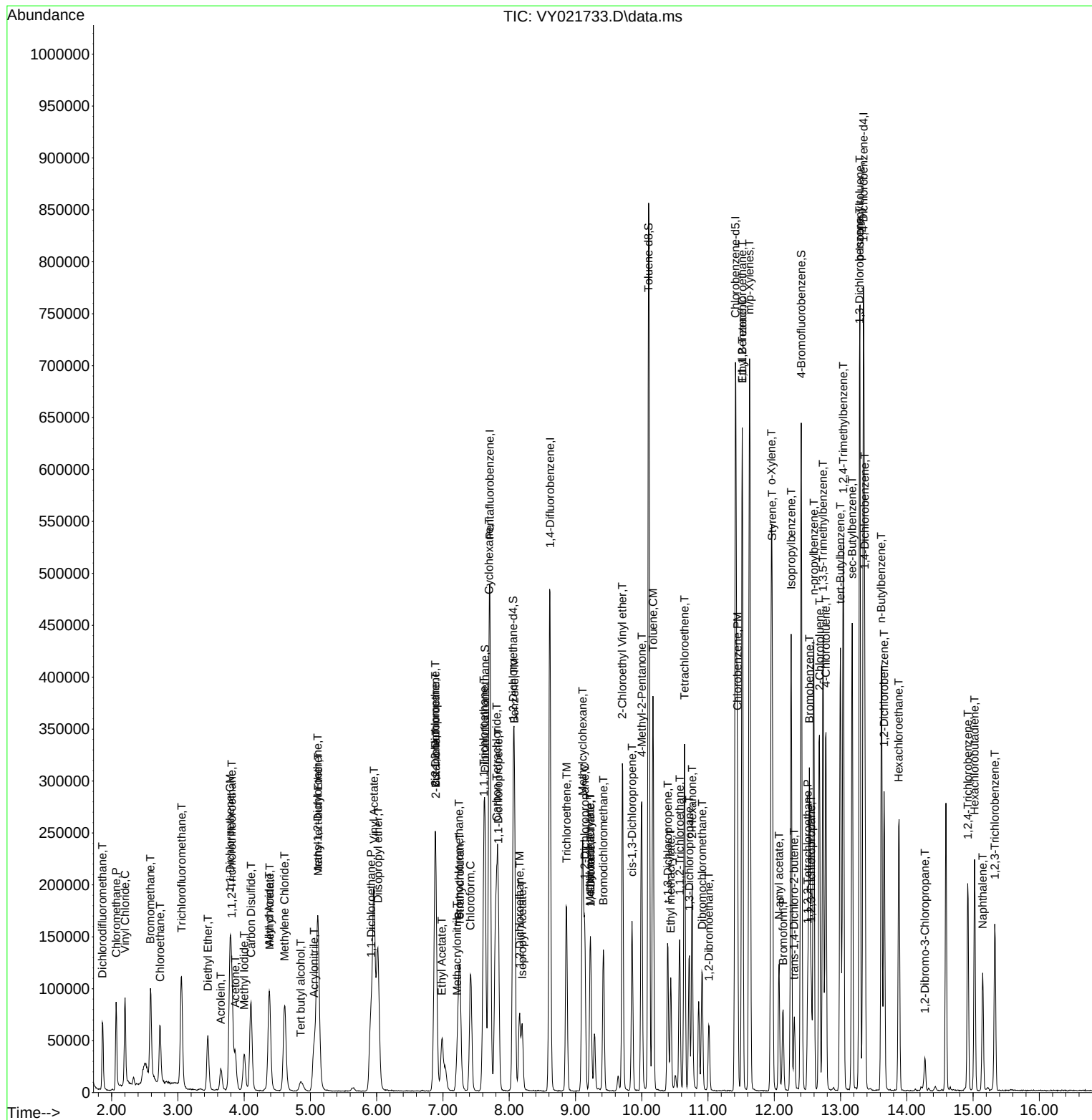
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Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

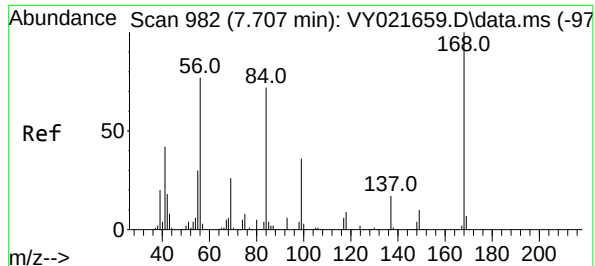
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

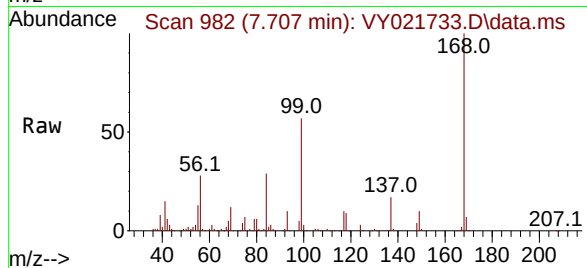
Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

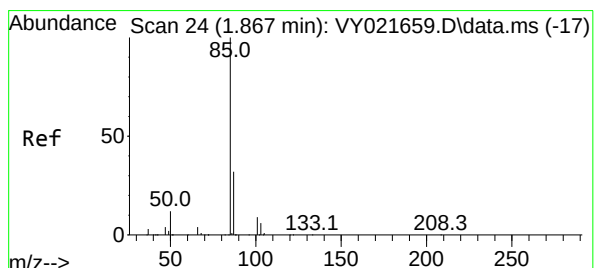
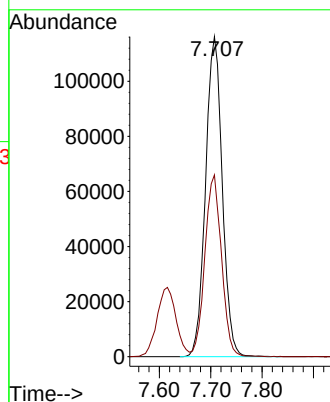
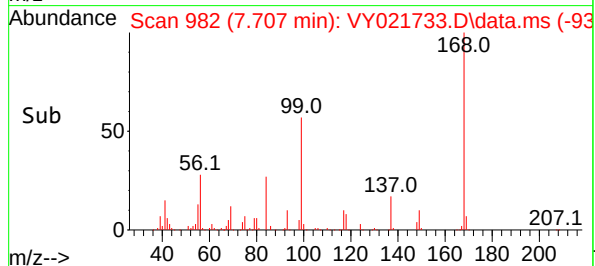
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion: 168 Resp: 262284
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1

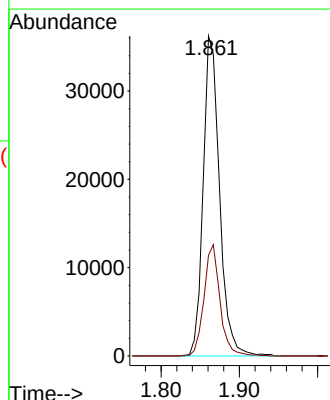
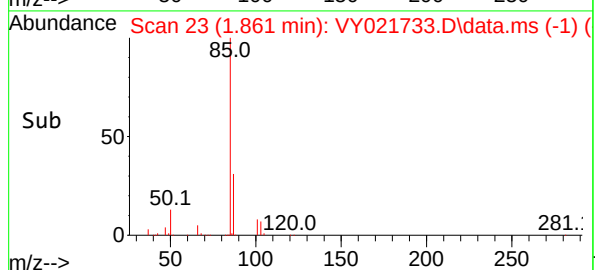
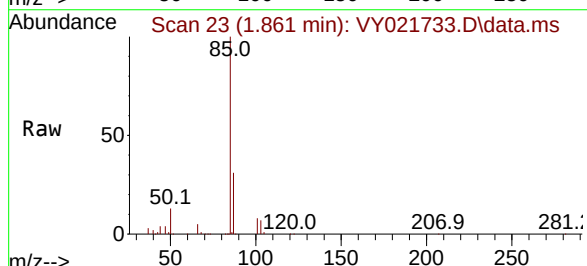
Manual Integrations
APPROVED

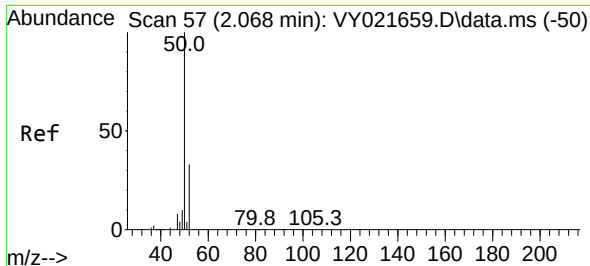
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#2
Dichlorodifluoromethane
Concen: 19.389 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

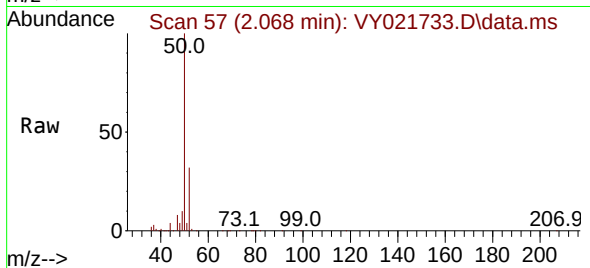
Tgt Ion: 85 Resp: 52708
Ion Ratio Lower Upper
85 100
87 31.5 16.2 48.6





#3
Chloromethane
Concen: 18.110 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

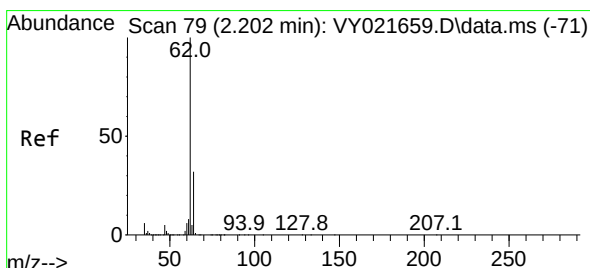
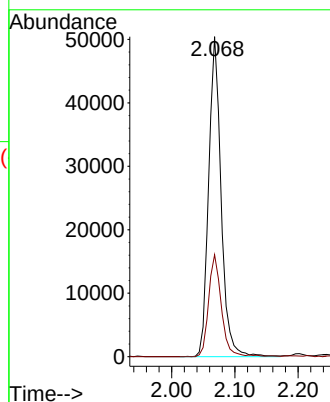
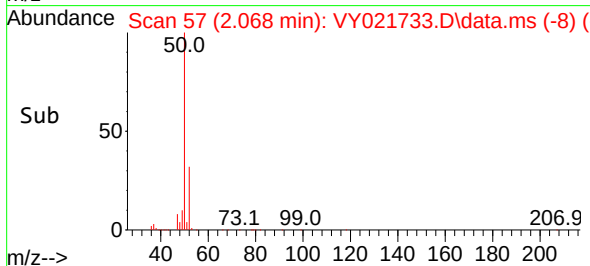
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion: 50 Resp: 69229
Ion Ratio Lower Upper
50 100
52 31.9 26.3 39.5

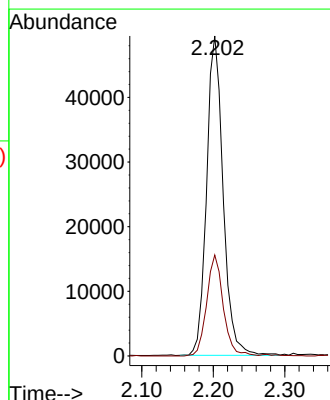
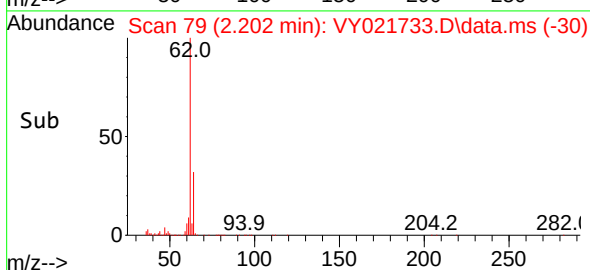
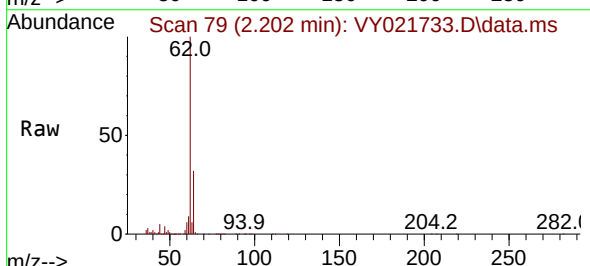
Manual Integrations
APPROVED

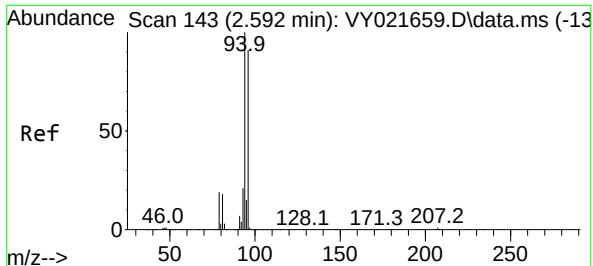
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#4
Vinyl Chloride
Concen: 18.347 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

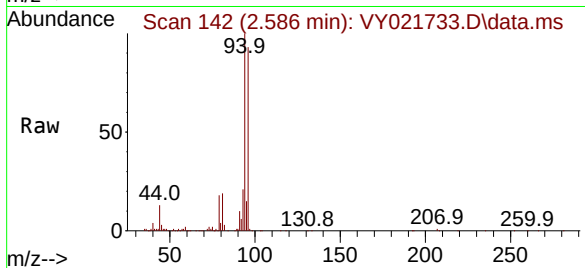
Tgt Ion: 62 Resp: 79314
Ion Ratio Lower Upper
62 100
64 31.6 25.5 38.3





#5
Bromomethane
Concen: 19.693 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

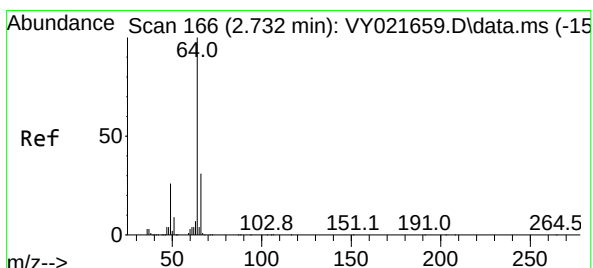
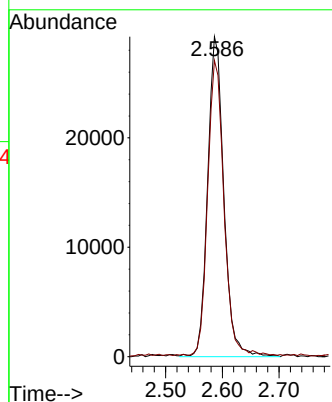
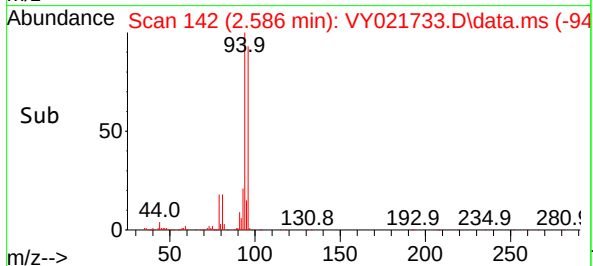
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



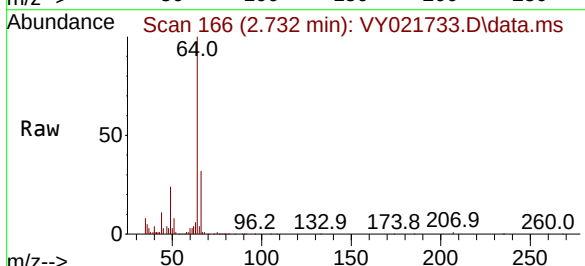
Tgt Ion: 94 Resp: 58063
Ion Ratio Lower Upper
94 100
96 92.0 72.8 109.2

Manual Integrations
APPROVED

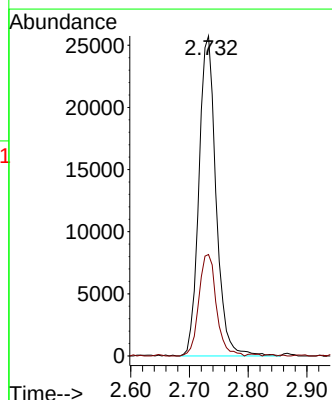
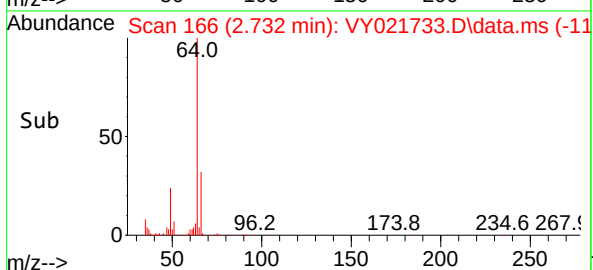
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

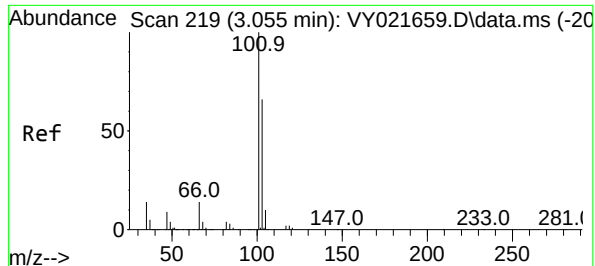


#6
Chloroethane
Concen: 18.406 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



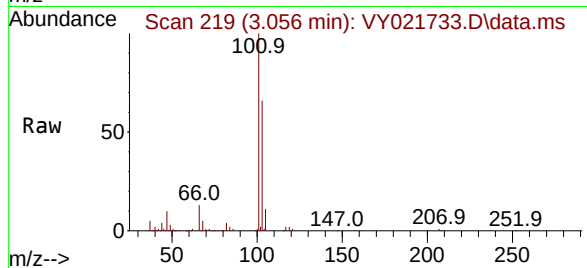
Tgt Ion: 64 Resp: 52067
Ion Ratio Lower Upper
64 100
66 31.7 24.9 37.3





#7
 Trichlorofluoromethane
 Concen: 19.655 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021733.D
 Acq: 01 Apr 2025 11:30

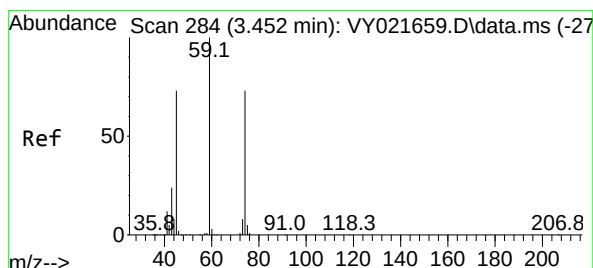
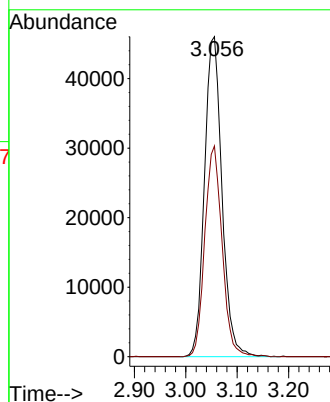
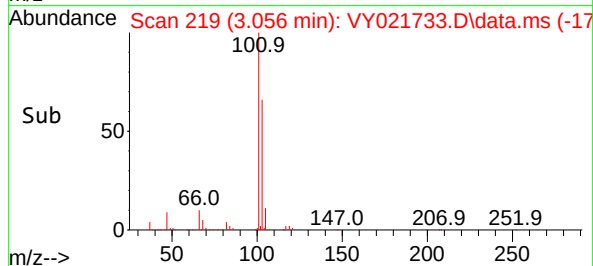
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01



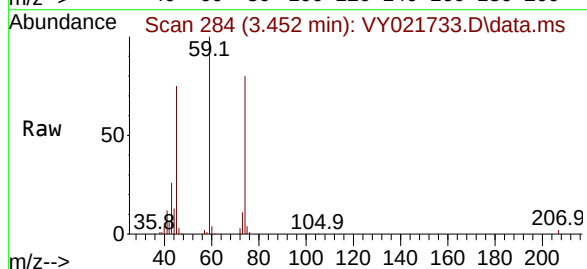
Tgt Ion:101 Resp: 108844
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.1 79.7

Manual Integrations
 APPROVED

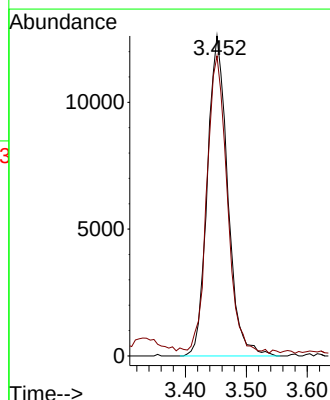
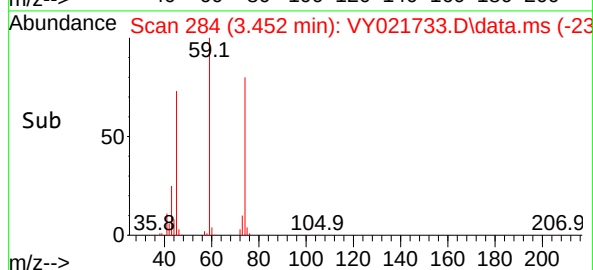
Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

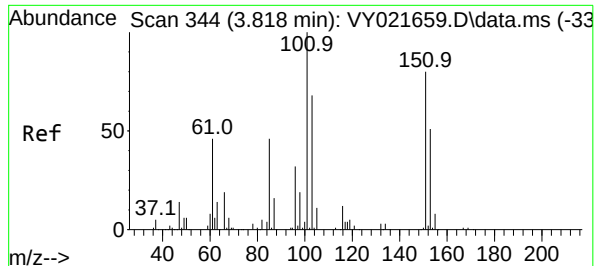


#8
 Diethyl Ether
 Concen: 19.516 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021733.D
 Acq: 01 Apr 2025 11:30



Tgt Ion: 74 Resp: 29391
 Ion Ratio Lower Upper
 74 100
 45 92.7 48.6 145.8





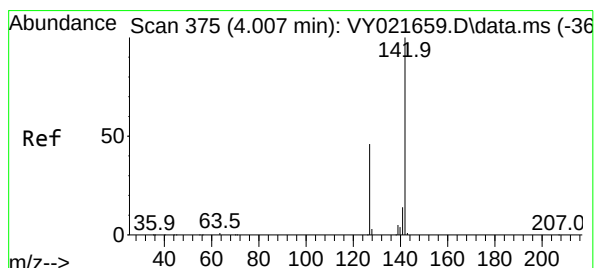
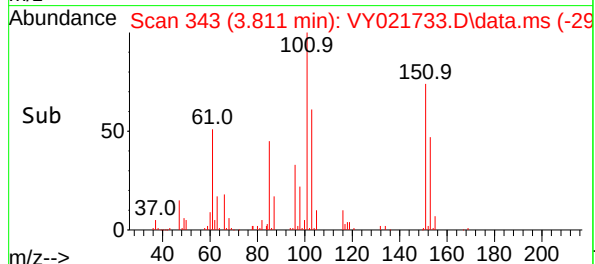
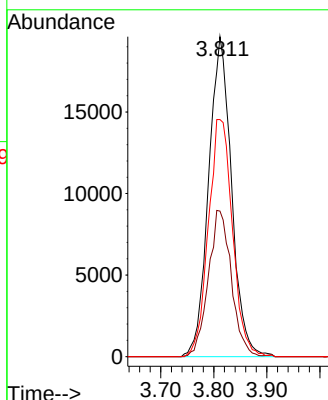
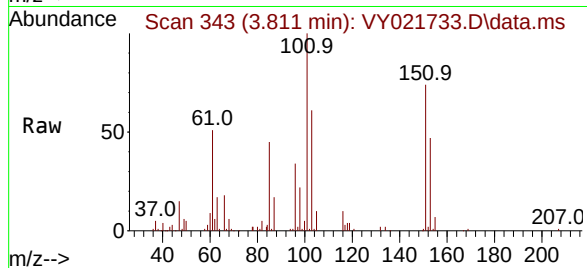
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.132 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion:101 Resp: 5880
Ion Ratio Lower Upper
101 100
85 45.9 36.3 54.5
151 78.1 61.3 91.9

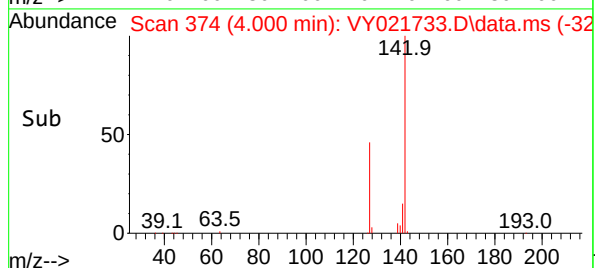
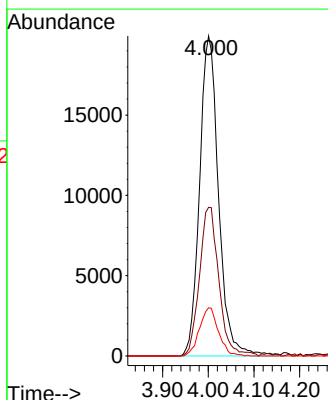
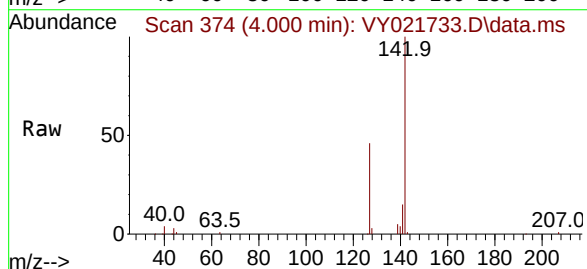
Manual Integrations
APPROVED

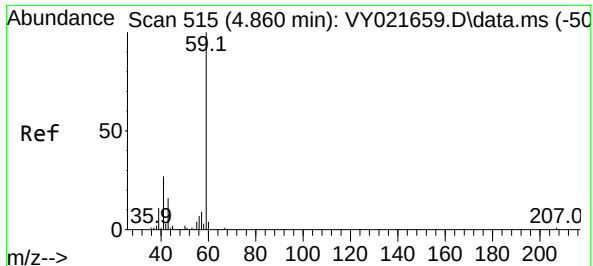
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#10
Methyl Iodide
Concen: 17.924 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion:142 Resp: 57434
Ion Ratio Lower Upper
142 100
127 47.4 38.7 58.1
141 15.1 11.5 17.3





#11

Tert butyl alcohol

Concen: 87.691 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 59 Resp: 16180

Ion Ratio Lower Upper

59 100

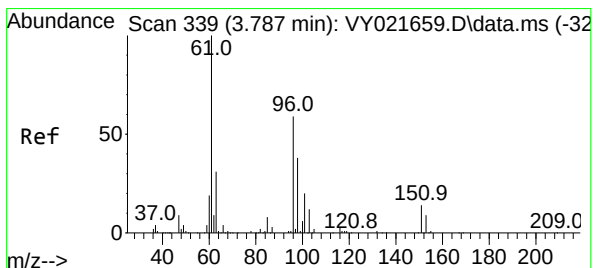
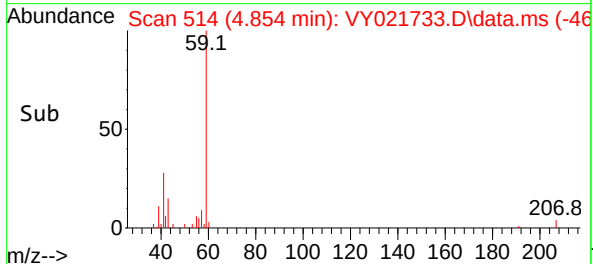
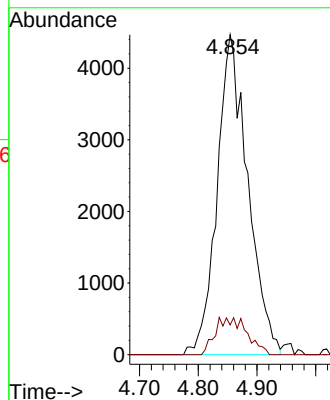
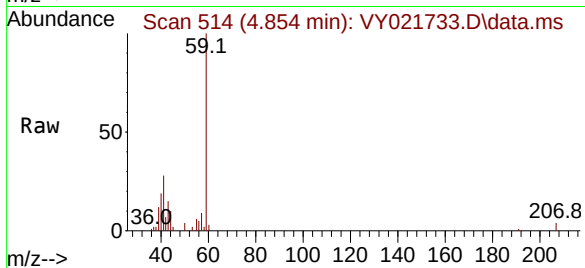
57 12.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#12

1,1-Dichloroethene

Concen: 19.700 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

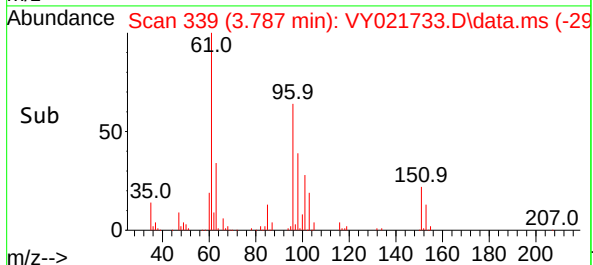
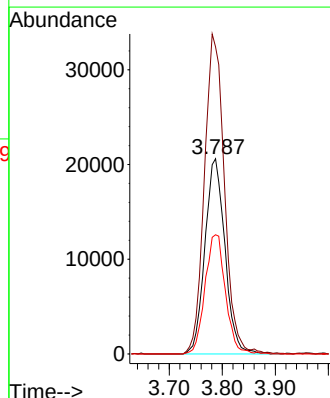
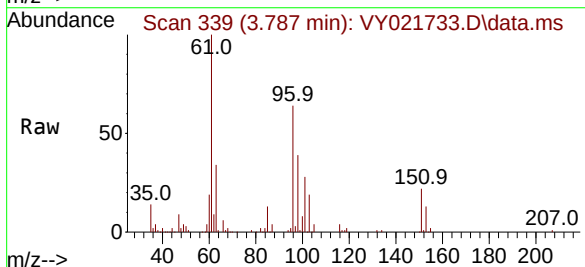
Tgt Ion: 96 Resp: 54196

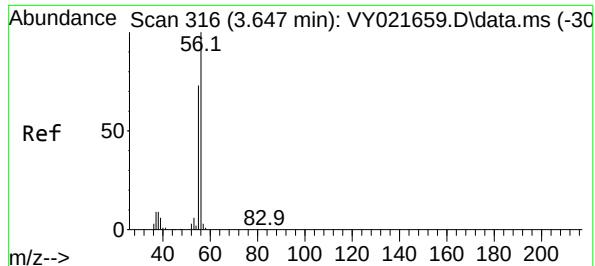
Ion Ratio Lower Upper

96 100

61 157.3 136.6 204.8

98 61.1 52.3 78.5





#13

Acrolein

Concen: 74.696 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 56 Resp: 2517

Ion Ratio Lower Upper

56 100

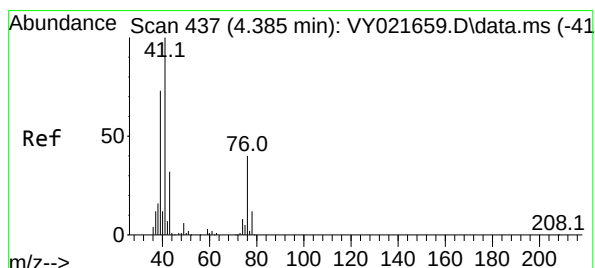
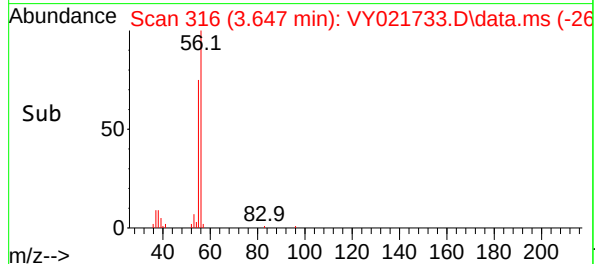
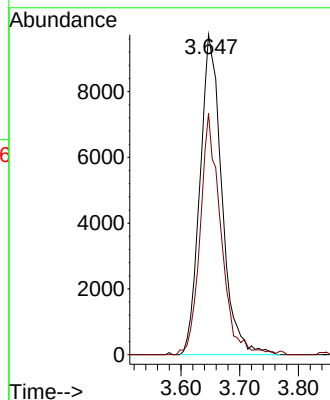
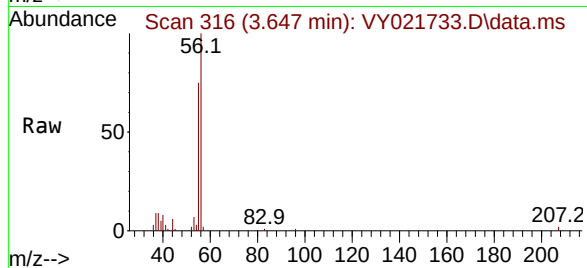
55 71.2 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#14

Allyl chloride

Concen: 18.822 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

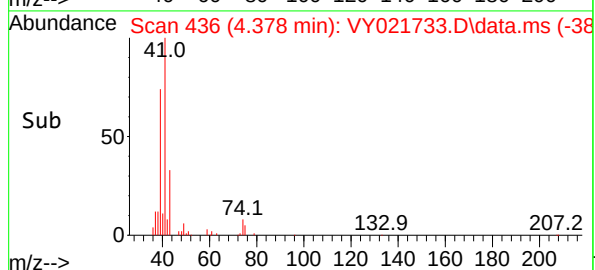
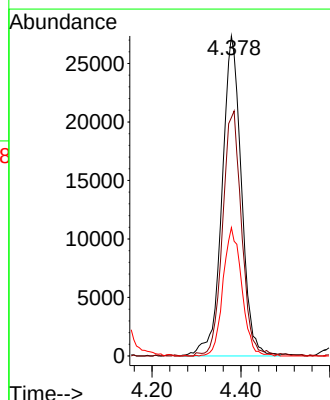
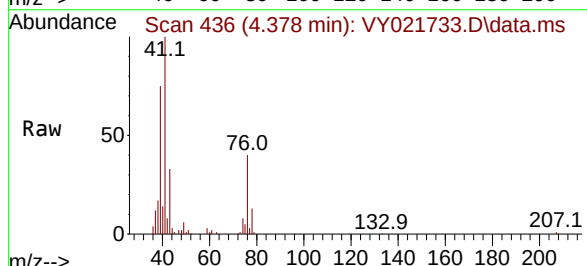
Tgt Ion: 41 Resp: 82560

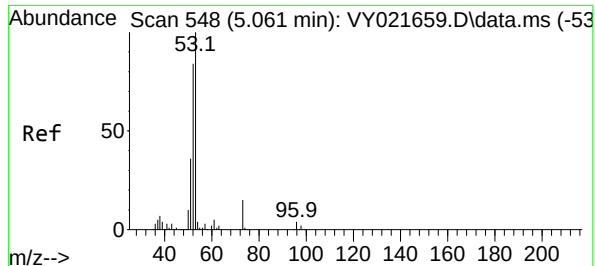
Ion Ratio Lower Upper

41 100

39 75.0 58.6 88.0

76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 92.750 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

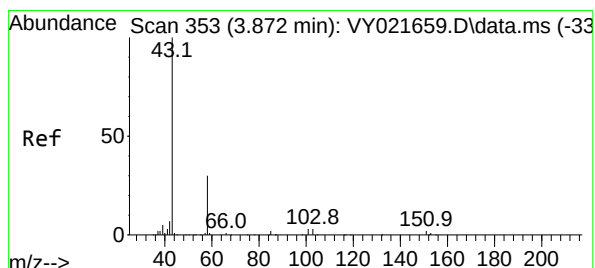
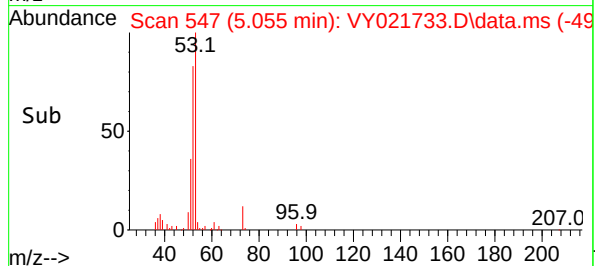
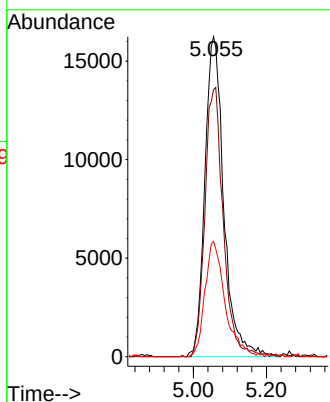
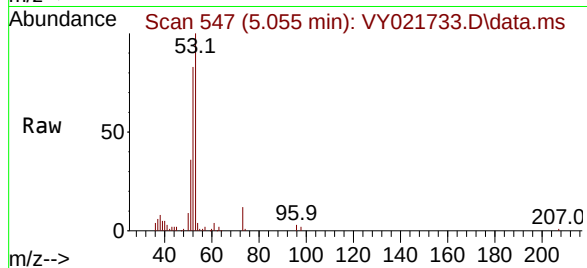
Tgt Ion:	53	Resp:	5832
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.9	97.3
51	38.1	30.2	45.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#16

Acetone

Concen: 94.269 ug/l

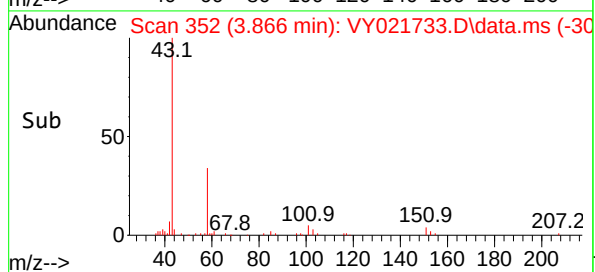
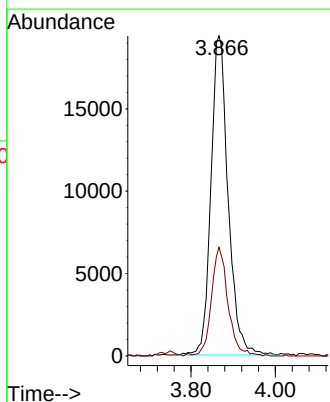
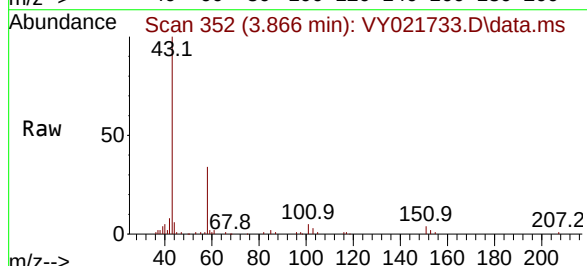
RT: 3.866 min Scan# 352

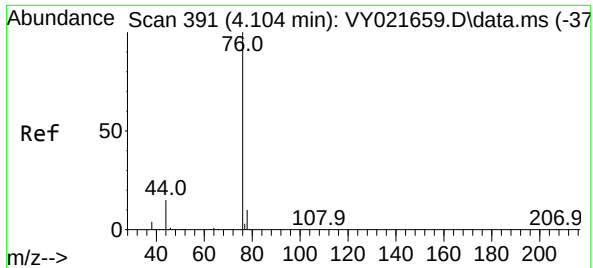
Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

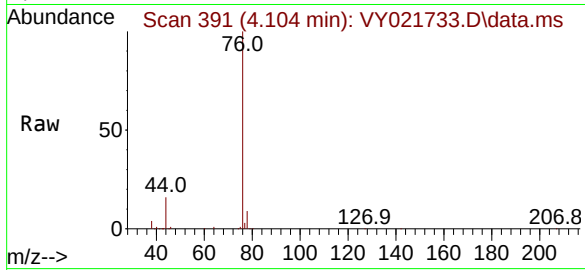
Tgt Ion:	43	Resp:	54827
Ion	Ratio	Lower	Upper
43	100		
58	34.0	24.2	36.4





#17
Carbon Disulfide
Concen: 18.640 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

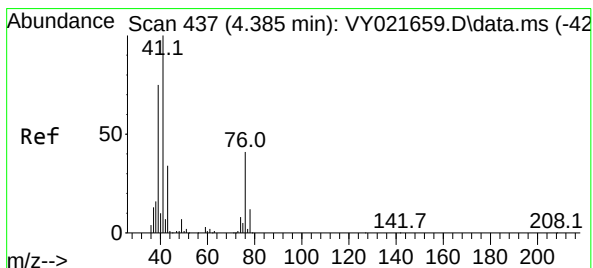
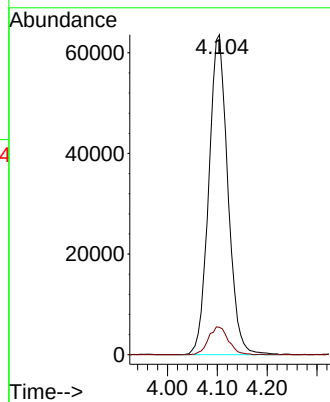
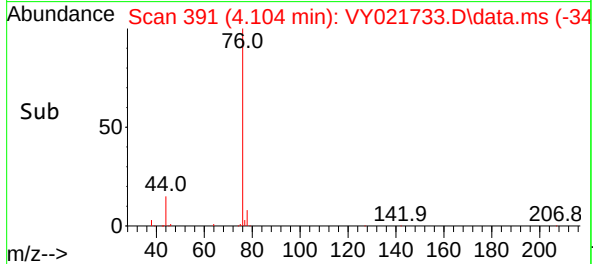
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



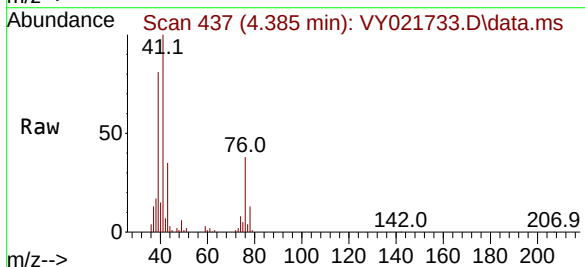
Tgt Ion: 76 Resp: 16890
Ion Ratio Lower Upper
76 100
78 8.5 7.6 11.4

Manual Integrations
APPROVED

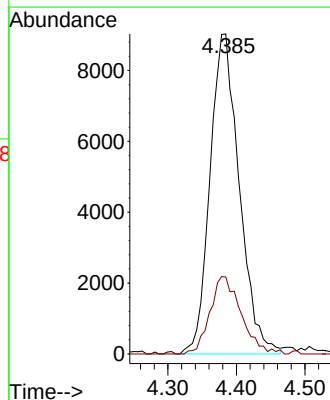
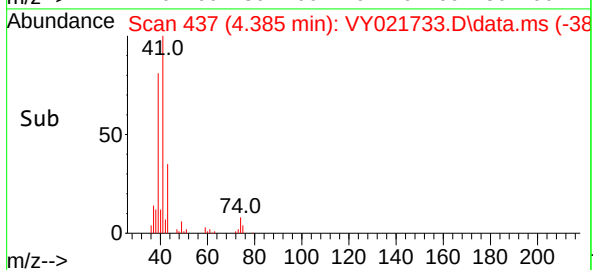
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

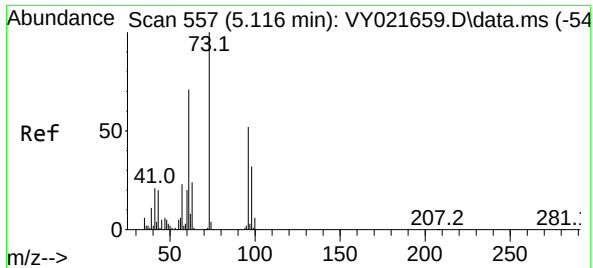


#18
Methyl Acetate
Concen: 18.610 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



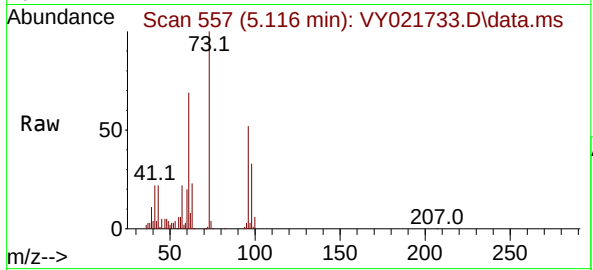
Tgt Ion: 43 Resp: 26825
Ion Ratio Lower Upper
43 100
74 25.7 19.1 28.7





#19
Methyl tert-butyl Ether
Concen: 19.017 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

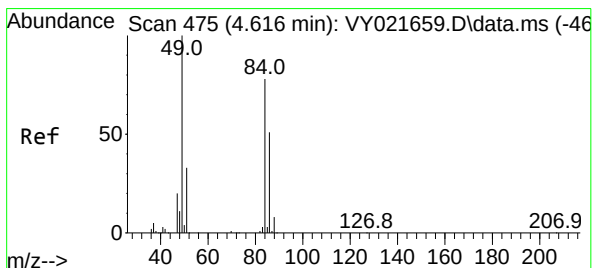
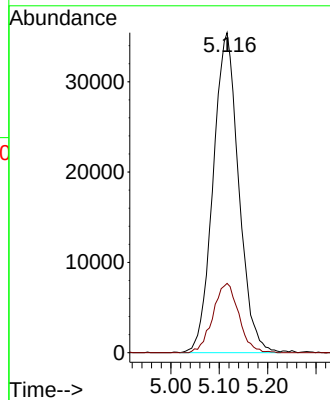
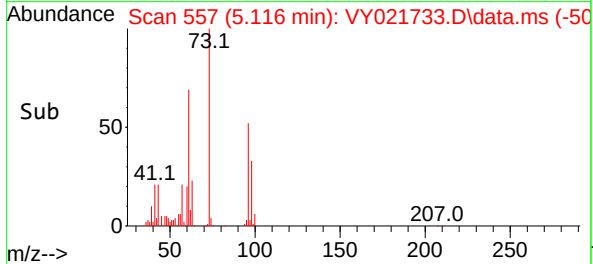
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



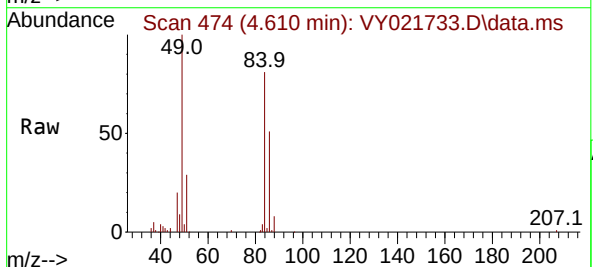
Tgt Ion: 73 Resp: 13025
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1

Manual Integrations
APPROVED

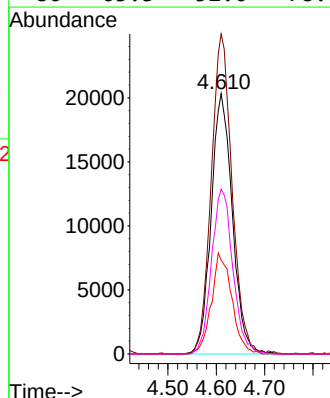
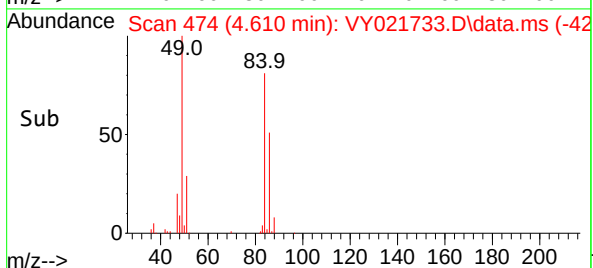
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

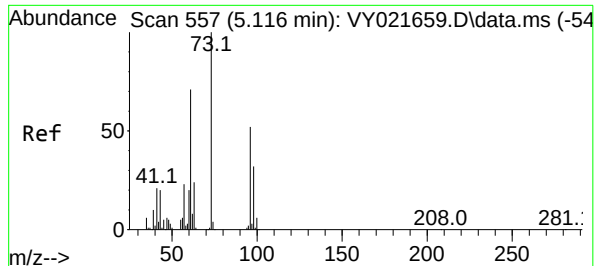


#20
Methylene Chloride
Concen: 19.315 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



Tgt Ion: 84 Resp: 61724
Ion Ratio Lower Upper
84 100
49 122.9 102.8 154.2
51 36.0 33.5 50.3
86 63.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.905 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021733.D

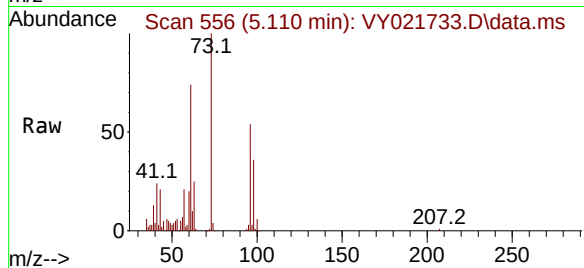
Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01



Tgt Ion: 96 Resp: 60292

Ion Ratio Lower Upper

96 100

61 137.9 109.4 164.0

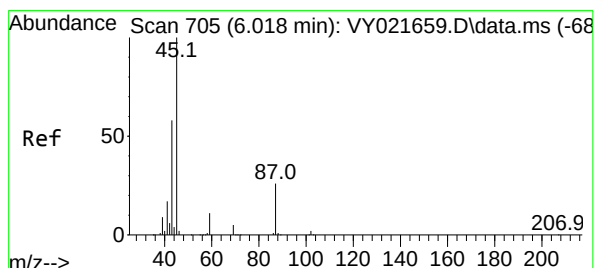
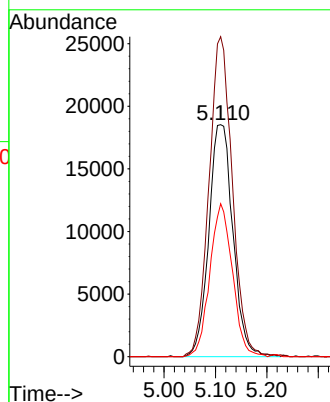
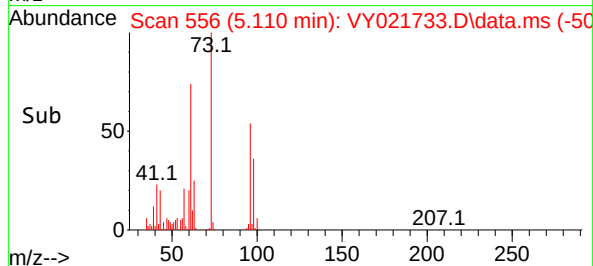
98 65.9 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#22

Diisopropyl ether

Concen: 19.391 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Tgt Ion: 45 Resp: 178430

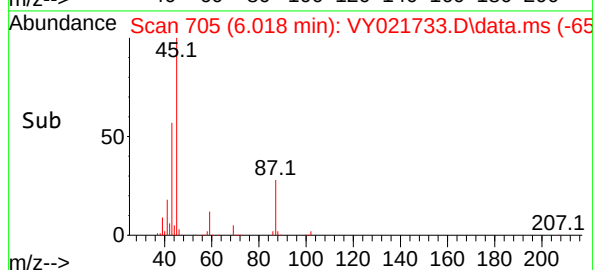
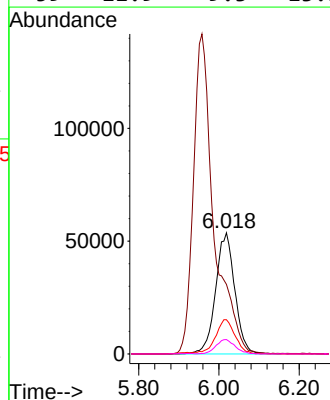
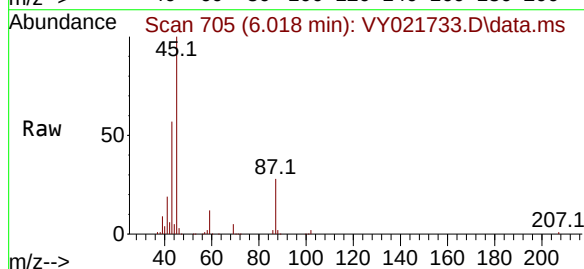
Ion Ratio Lower Upper

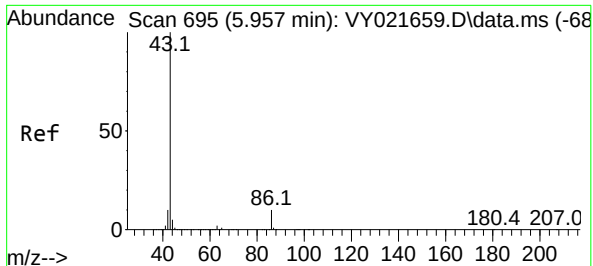
45 100

43 57.0 46.6 69.8

87 28.2 20.7 31.1

59 11.9 9.3 13.9





#23

Vinyl Acetate

Concen: 93.058 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 43 Resp: 500924

Ion Ratio Lower Upper

43 100

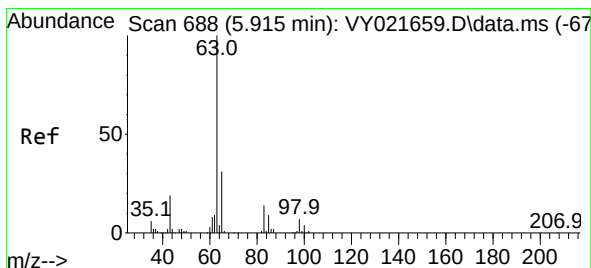
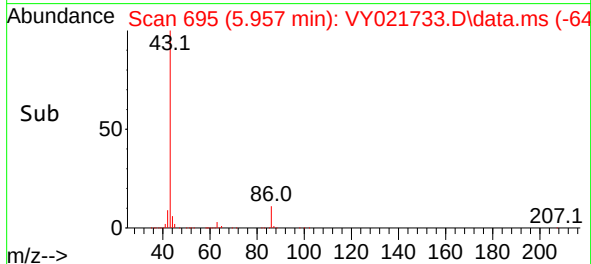
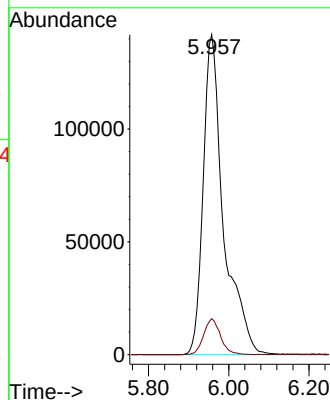
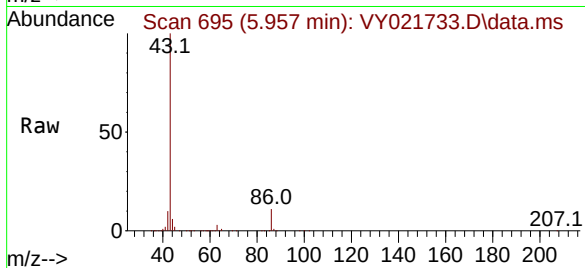
86 11.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#24

1,1-Dichloroethane

Concen: 19.600 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

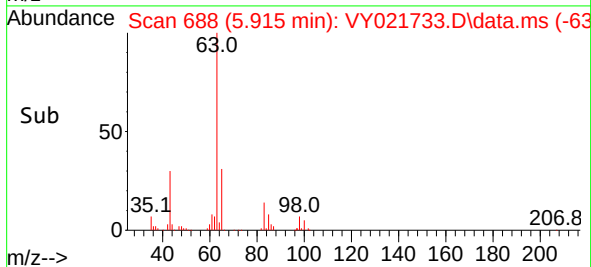
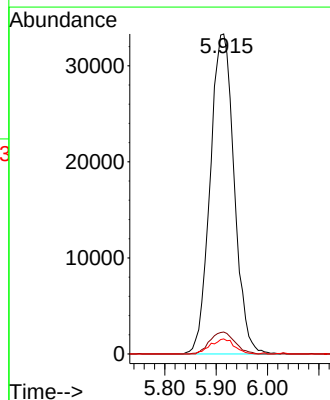
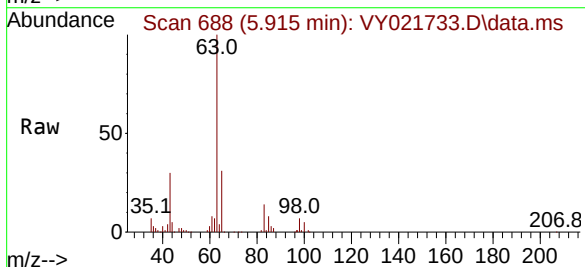
Tgt Ion: 63 Resp: 107840

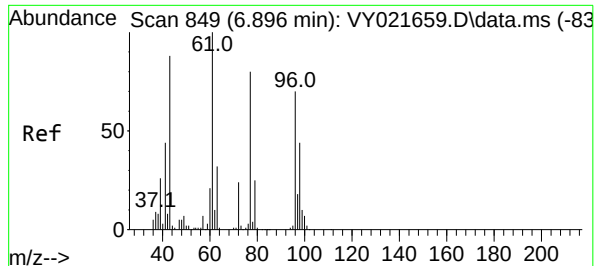
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 93.740 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 43 Resp: 77870

Ion Ratio Lower Upper

43 100

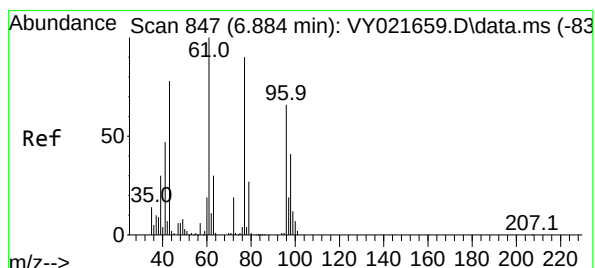
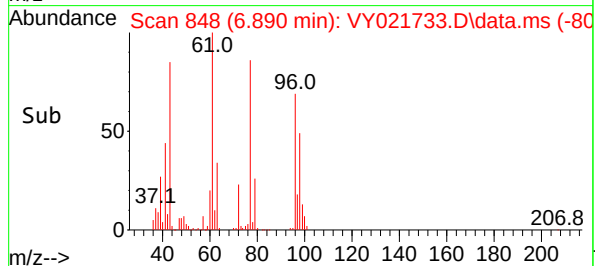
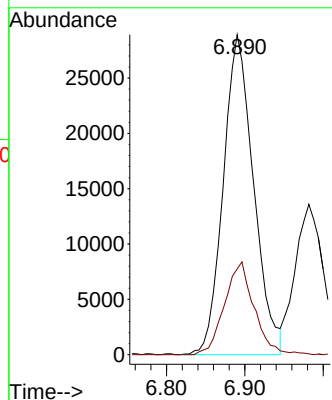
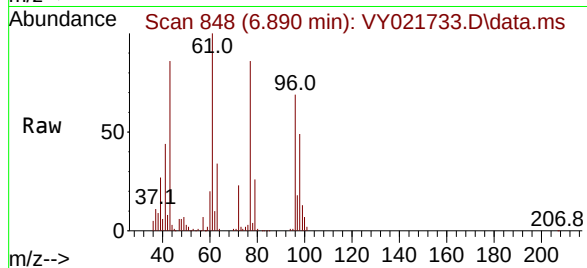
72 26.8 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#26

2,2-Dichloropropane

Concen: 19.406 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021733.D

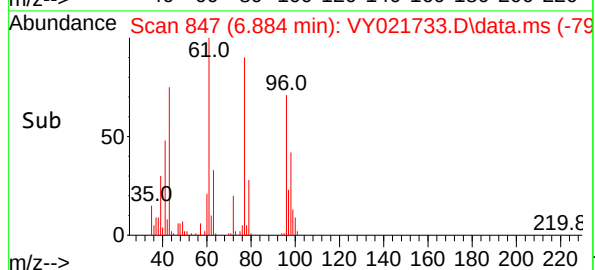
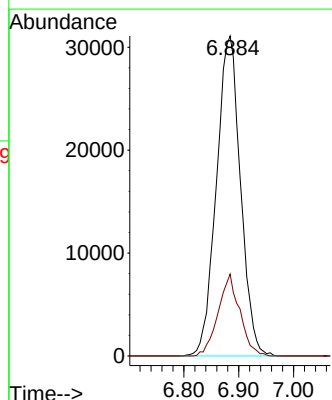
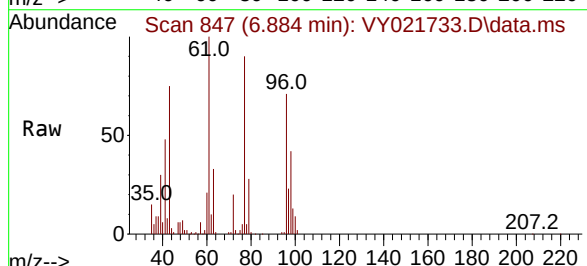
Acq: 01 Apr 2025 11:30

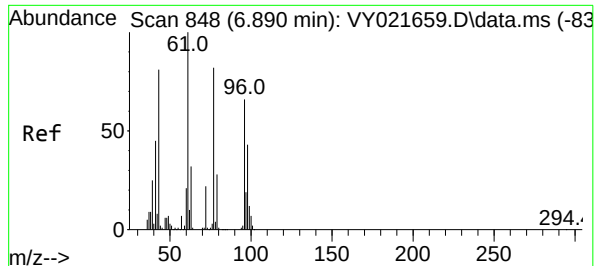
Tgt Ion: 77 Resp: 94979

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.615 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 96 Resp: 6681

Ion Ratio Lower Upper

96 100

61 146.1 0.0 296.4

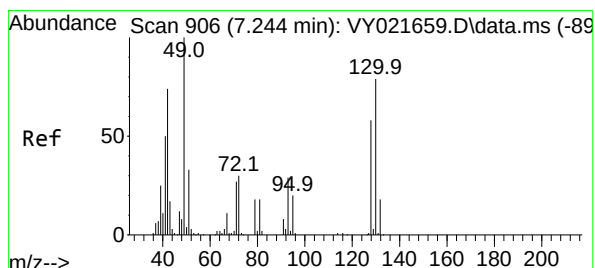
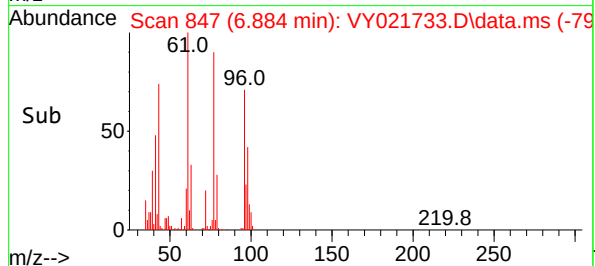
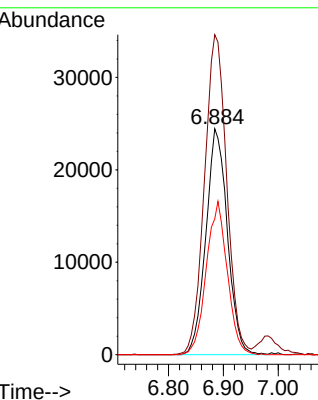
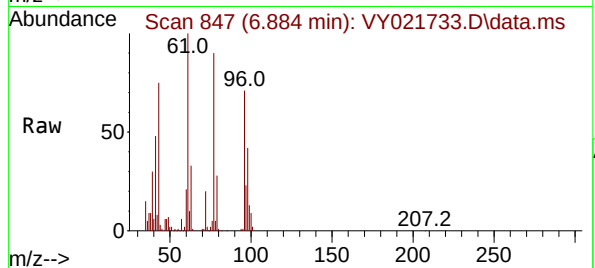
98 66.2 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#28

Bromochloromethane

Concen: 19.282 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

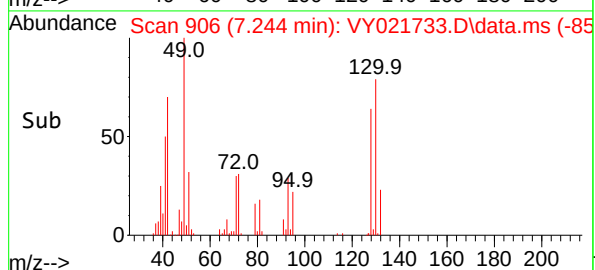
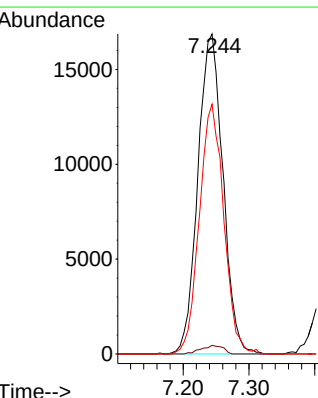
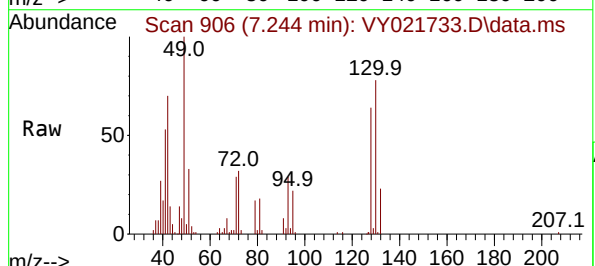
Tgt Ion: 49 Resp: 44742

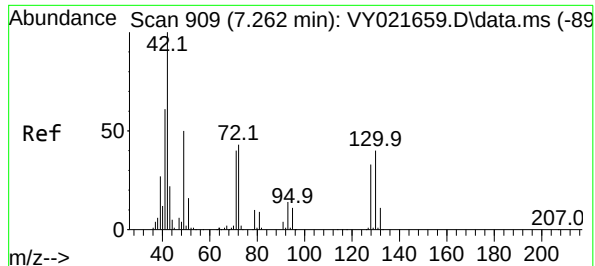
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.0 60.1 90.1





#29

Tetrahydrofuran

Concen: 89.647 ug/l

RT: 7.256 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 42 Resp: 47928

Ion Ratio Lower Upper

42 100

72 46.2 34.6 52.0

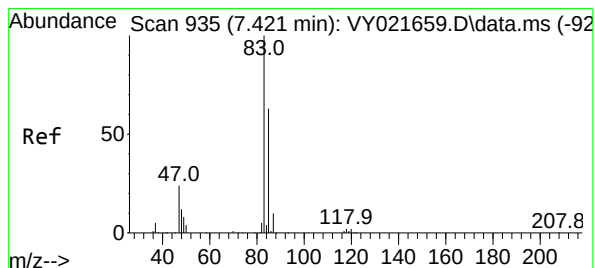
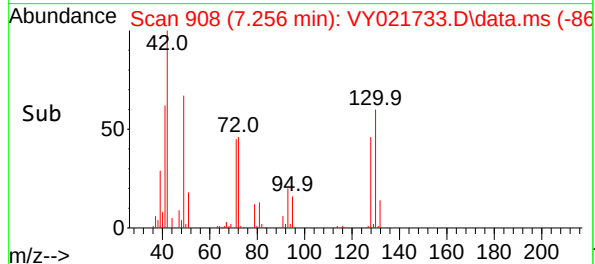
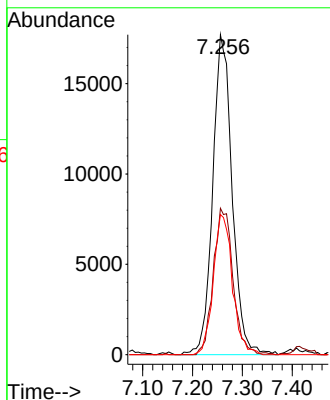
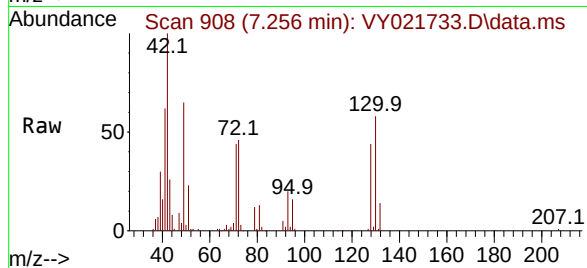
71 43.1 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#30

Chloroform

Concen: 19.427 ug/l

RT: 7.415 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY021733.D

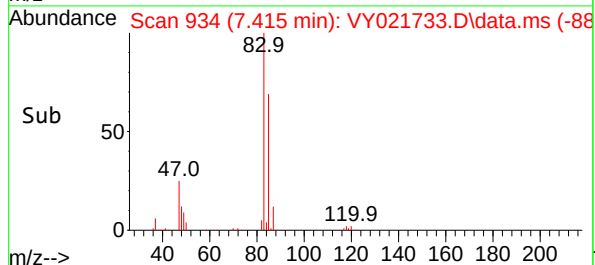
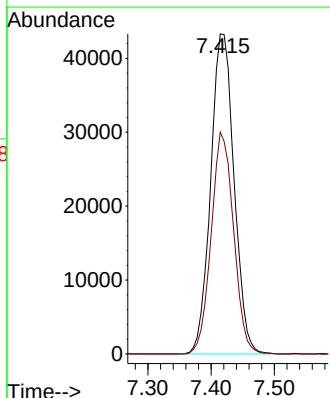
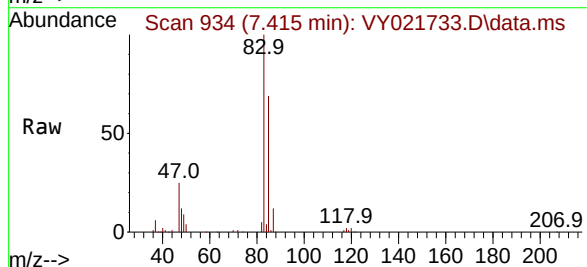
Acq: 01 Apr 2025 11:30

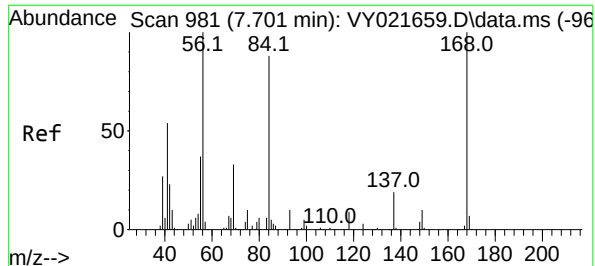
Tgt Ion: 83 Resp: 111174

Ion Ratio Lower Upper

83 100

85 69.3 50.6 75.8





#31

Cyclohexane

Concen: 18.799 ug/l

RT: 7.695 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 56 Resp: 9428

Ion Ratio Lower Upper

56 100

69 37.3 26.6 40.0

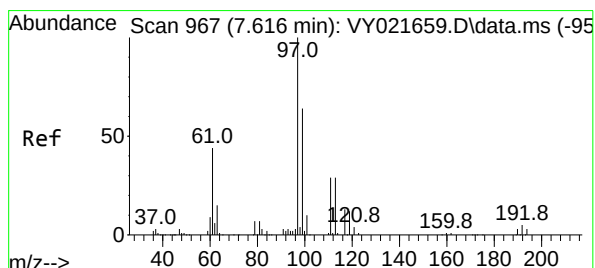
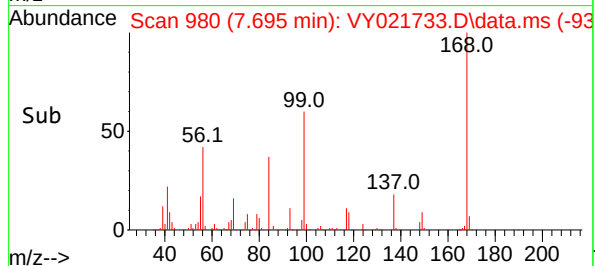
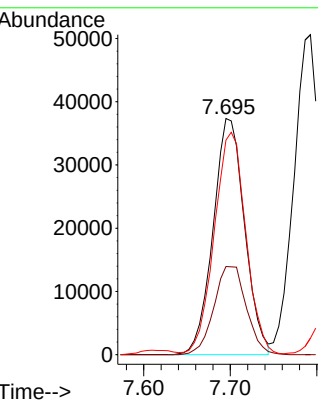
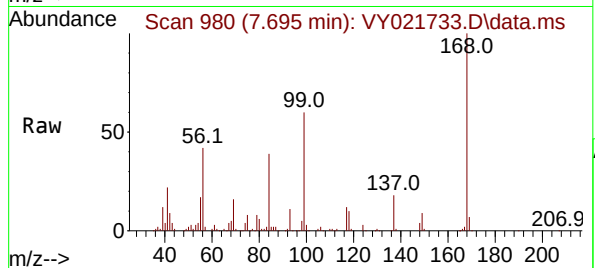
84 89.2 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#32

1,1,1-Trichloroethane

Concen: 19.822 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

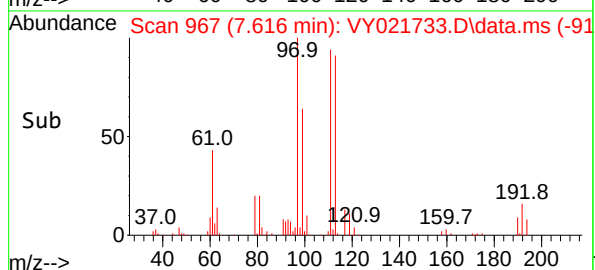
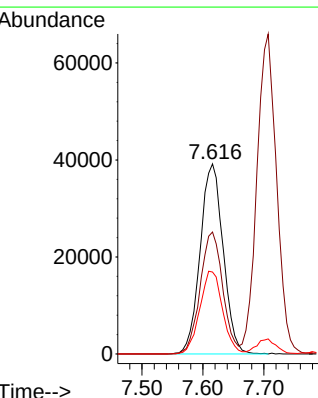
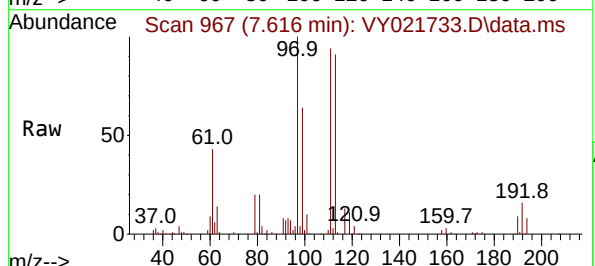
Tgt Ion: 97 Resp: 102527

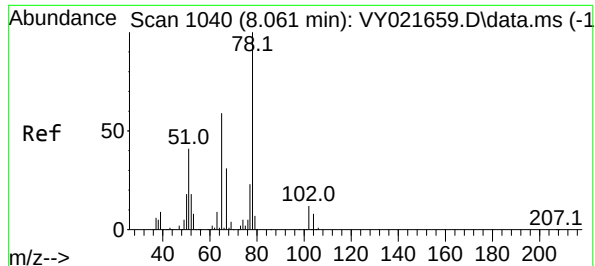
Ion Ratio Lower Upper

97 100

99 63.1 50.7 76.1

61 43.3 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 52.279 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 65 Resp: 14856

Ion Ratio Lower Upper

65 100

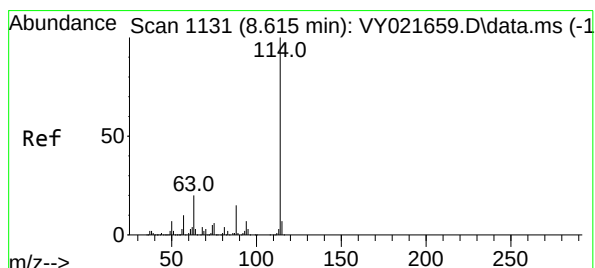
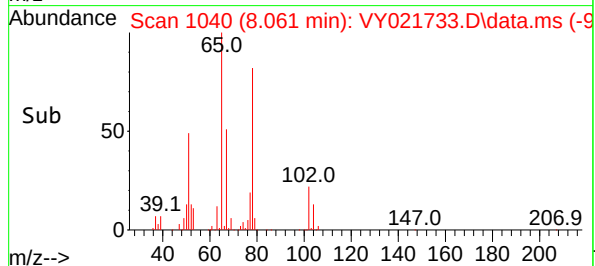
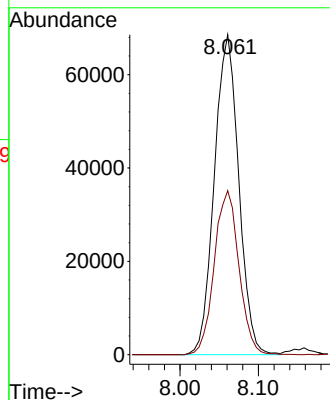
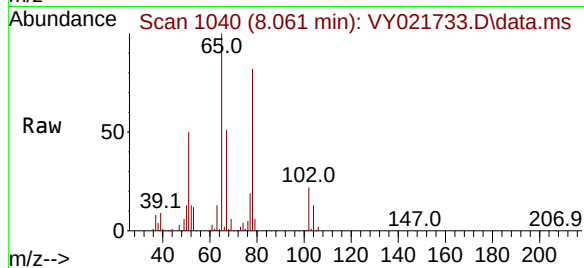
67 51.8 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

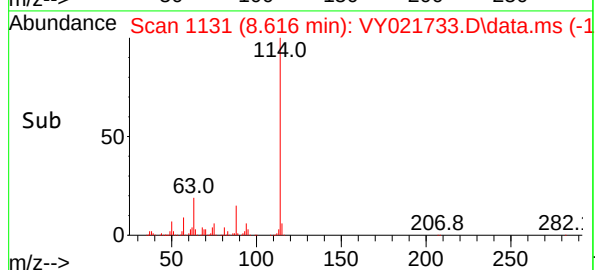
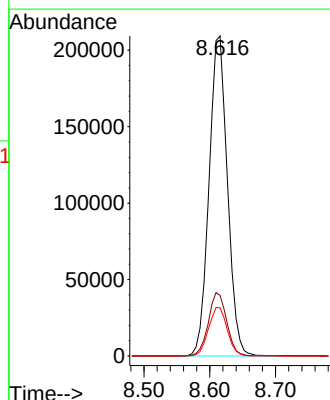
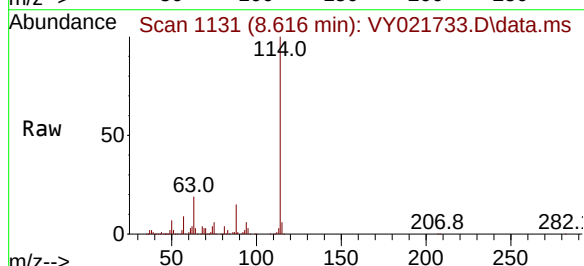
Tgt Ion:114 Resp: 407591

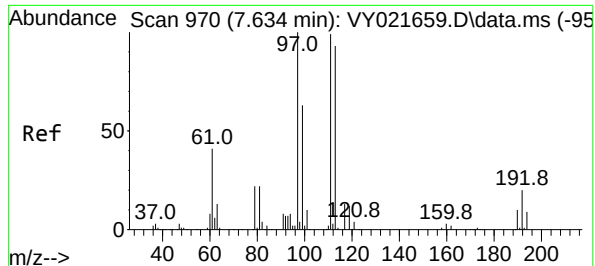
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.2

88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.137 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion:113 Resp: 14313

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

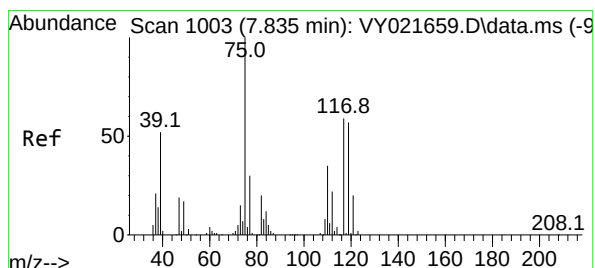
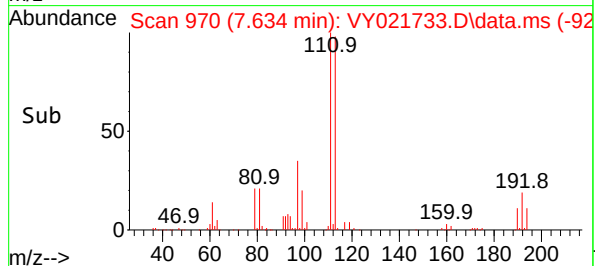
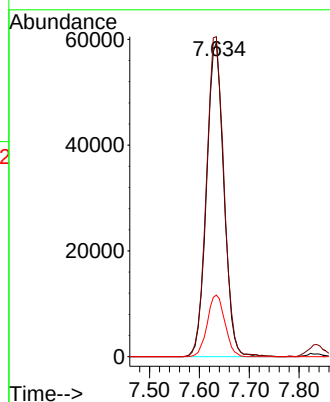
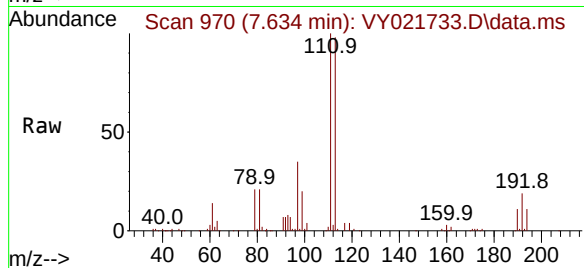
192 20.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#36

1,1-Dichloropropene

Concen: 19.693 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

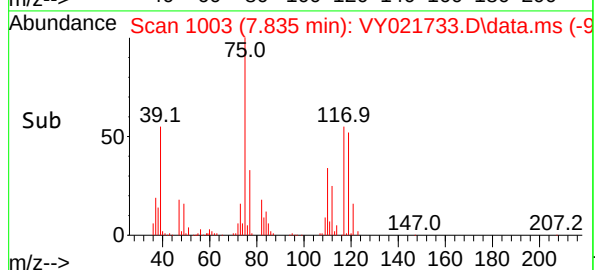
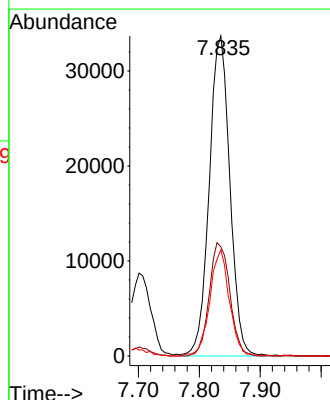
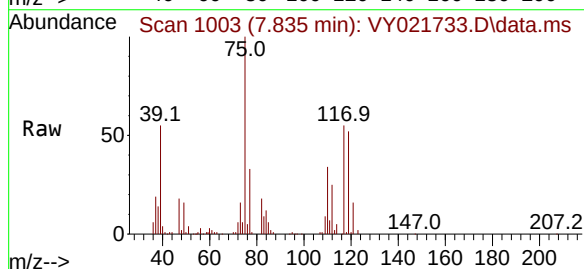
Tgt Ion: 75 Resp: 79309

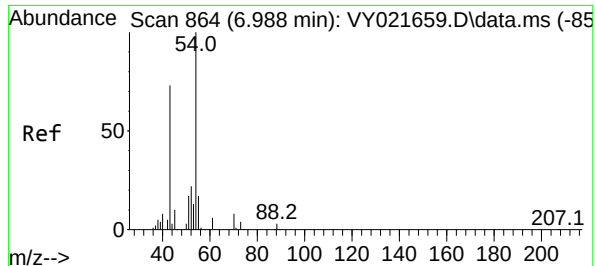
Ion Ratio Lower Upper

75 100

110 35.2 17.0 50.9

77 31.6 24.8 37.2





#37

Ethyl Acetate

Concen: 18.959 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

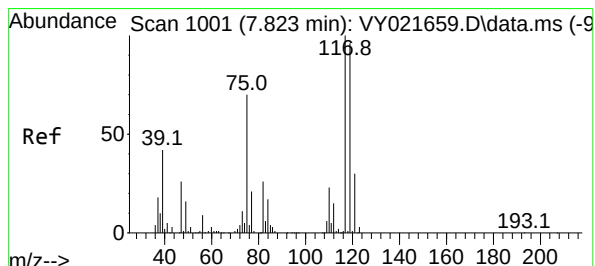
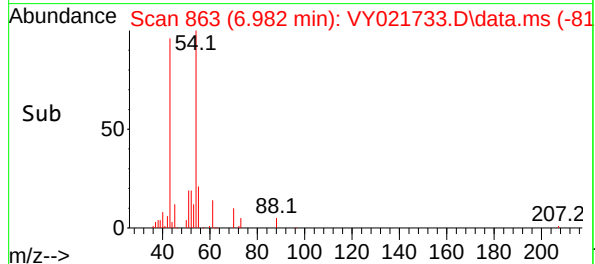
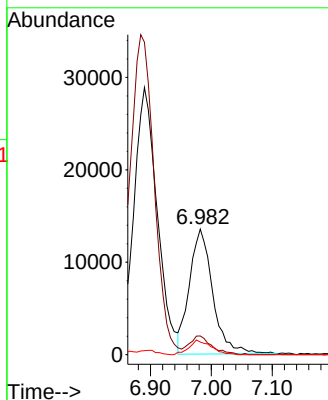
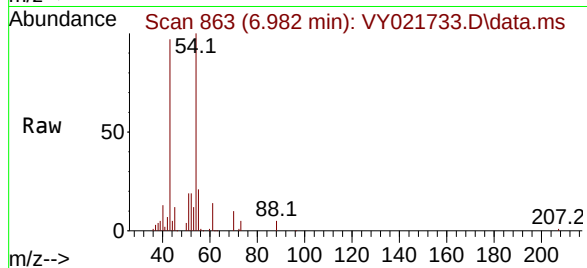
Tgt Ion:	43	Resp:	36034
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	10.9	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#38

Carbon Tetrachloride

Concen: 20.266 ug/l

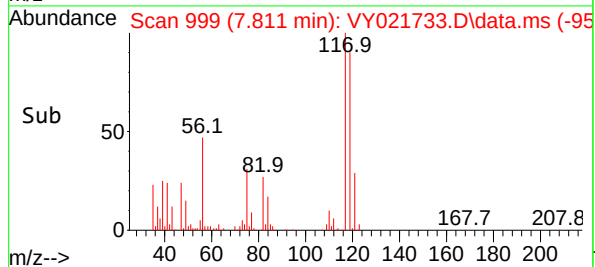
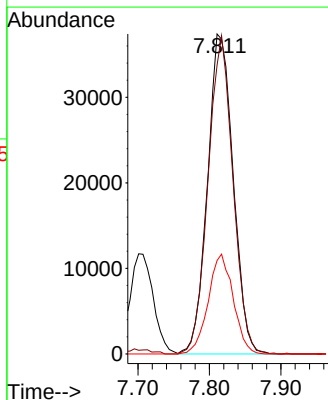
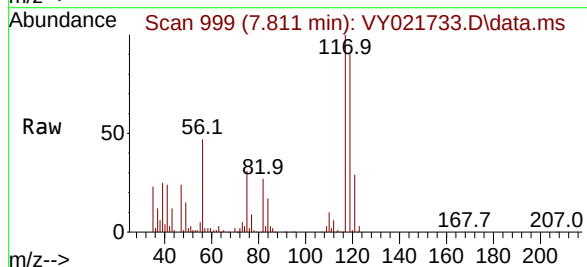
RT: 7.811 min Scan# 999

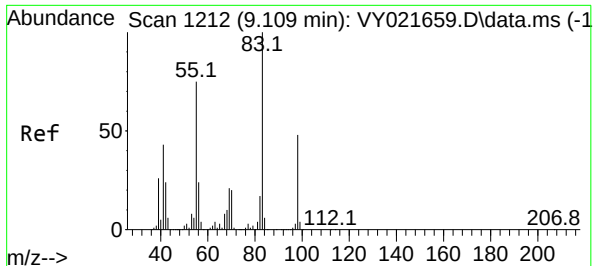
Delta R.T. -0.012 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Tgt Ion:	117	Resp:	93478
Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.2	114.4
121	29.2	24.2	36.4





#39

Methylcyclohexane

Concen: 19.619 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 83 Resp: 9438

Ion Ratio Lower Upper

83 100

55 72.3 59.7 89.5

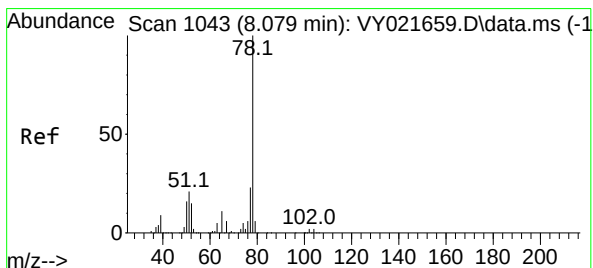
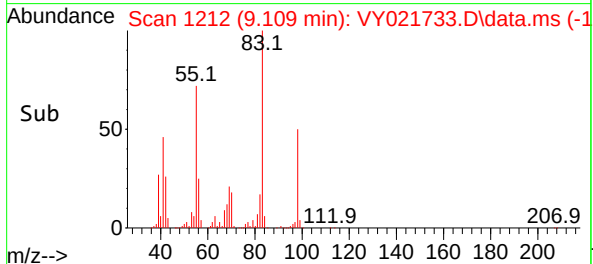
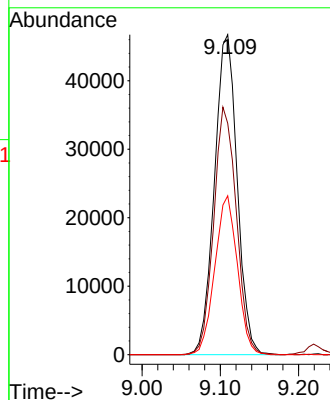
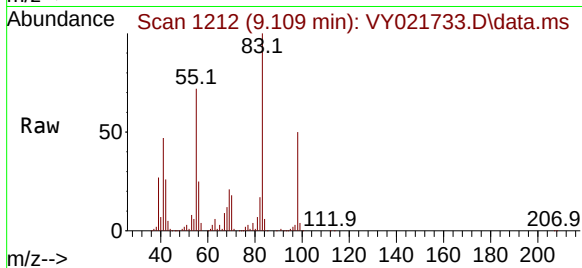
98 49.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#40

Benzene

Concen: 19.911 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021733.D

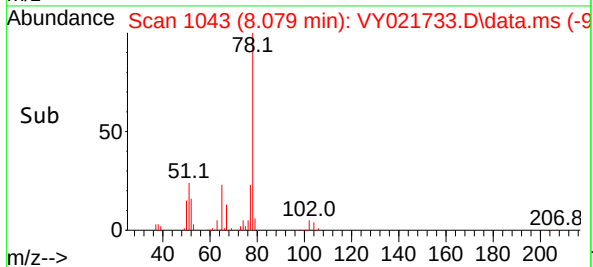
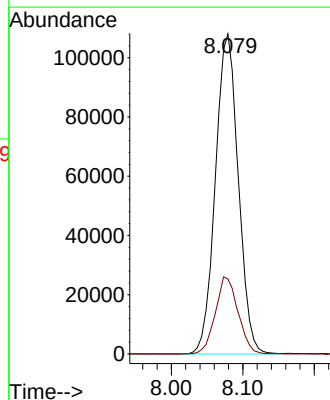
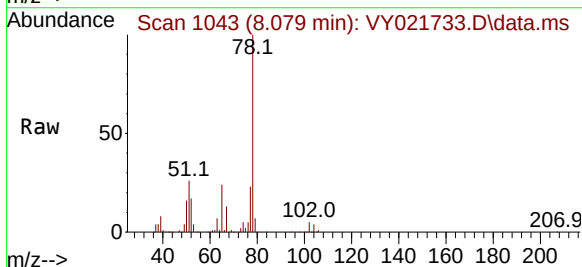
Acq: 01 Apr 2025 11:30

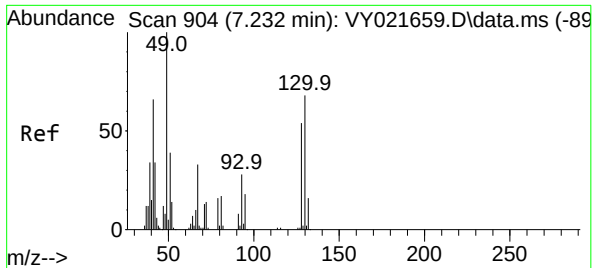
Tgt Ion: 78 Resp: 240138

Ion Ratio Lower Upper

78 100

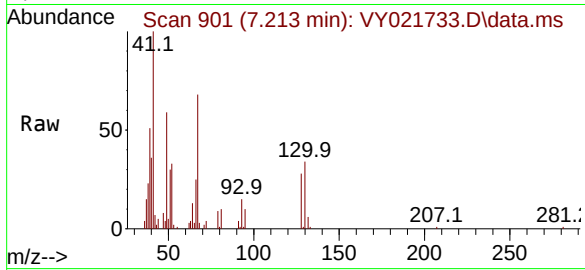
77 23.4 18.8 28.2





#41
Methacrylonitrile
Concen: 18.123 ug/l m
RT: 7.213 min Scan# 904
Delta R.T. -0.018 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

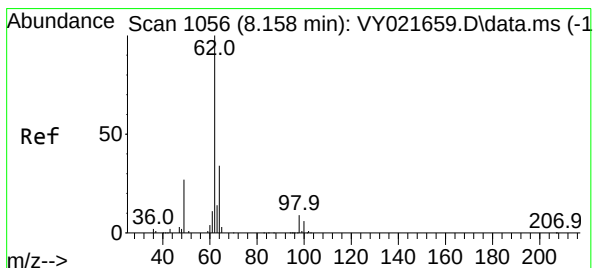
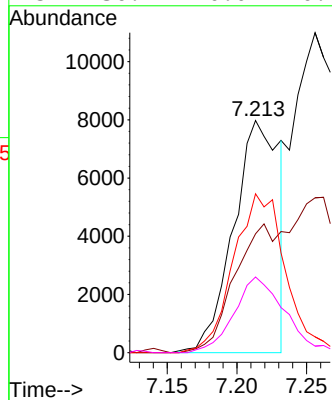
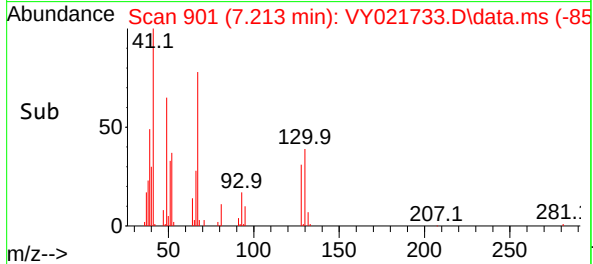
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion: 41 Resp: 1829
Ion Ratio Lower Upper
41 100
39 46.9 0.0 0.0
67 78.8 0.0 0.0
52 36.2 0.0 0.0

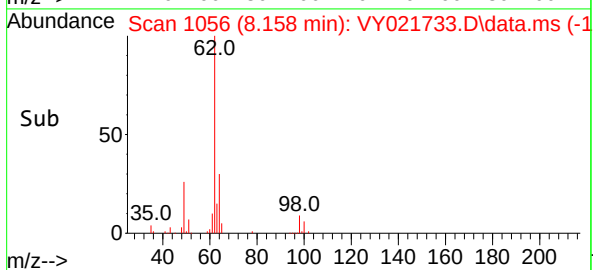
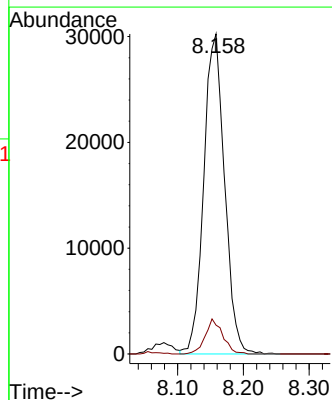
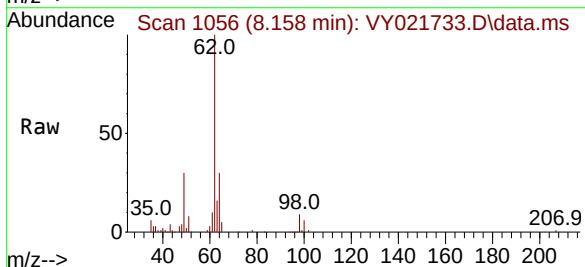
Manual Integrations
APPROVED

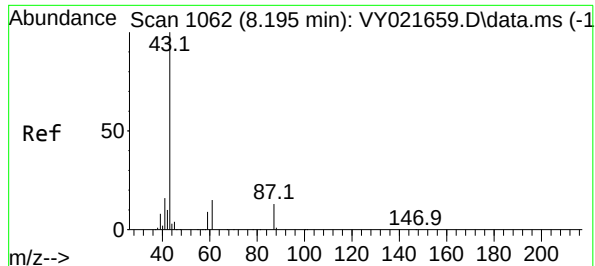
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#42
1,2-Dichloroethane
Concen: 19.595 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion: 62 Resp: 66624
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.189 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

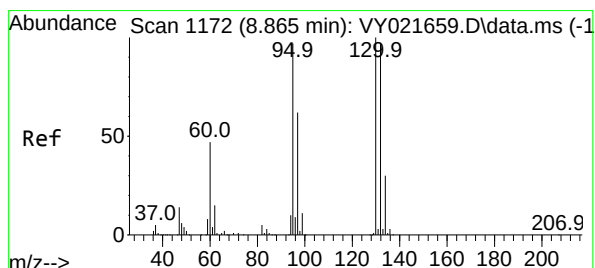
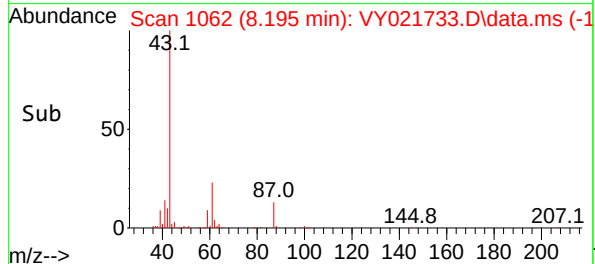
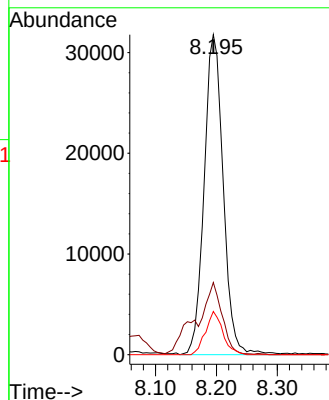
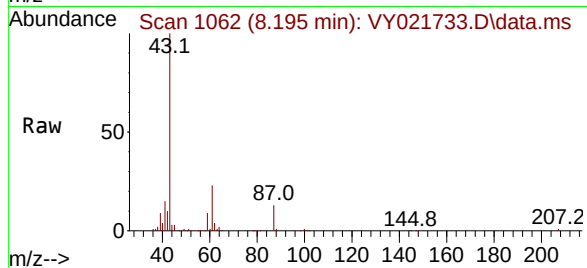
Tgt Ion: 43	Resp: 69114
Ion Ratio	Lower Upper
43 100	
61 30.3	15.9 23.9
87 12.3	10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#44

Trichloroethene

Concen: 20.516 ug/l

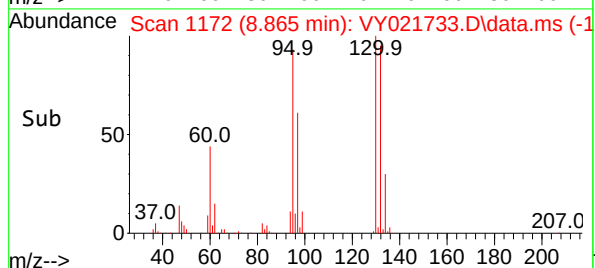
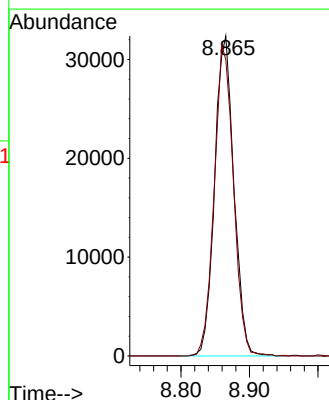
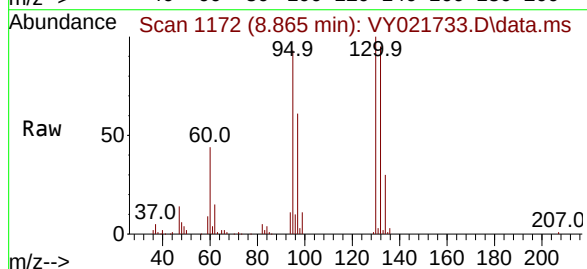
RT: 8.865 min Scan# 1172

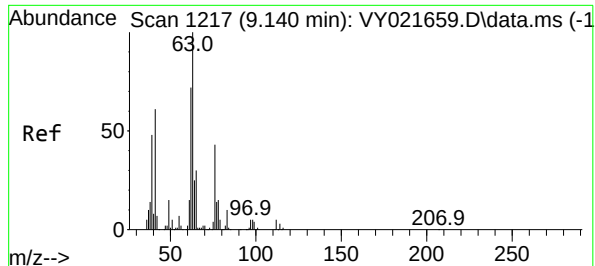
Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Tgt Ion:130	Resp: 63043
Ion Ratio	Lower Upper
130 100	
95 92.6	0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.134 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 63 Resp: 57479

Ion Ratio Lower Upper

63 100

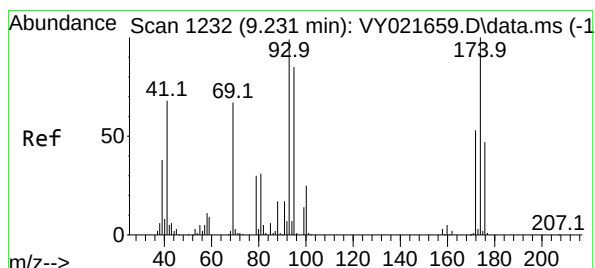
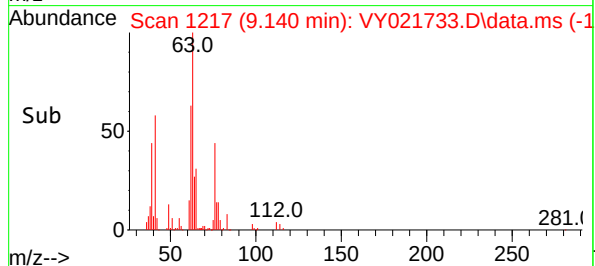
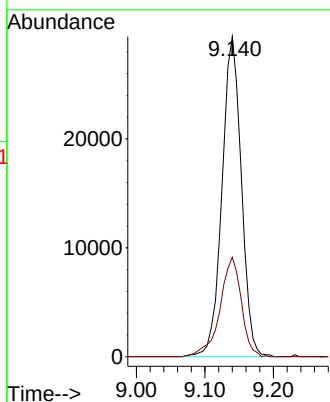
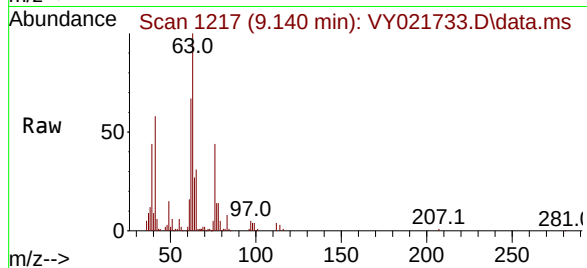
65 31.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#46

Dibromomethane

Concen: 19.632 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

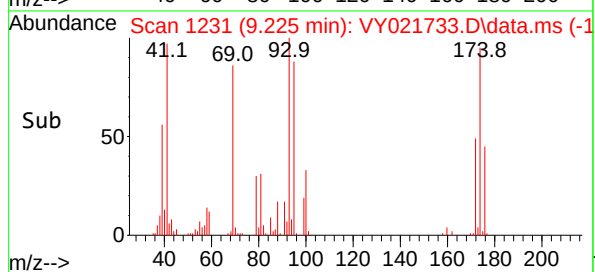
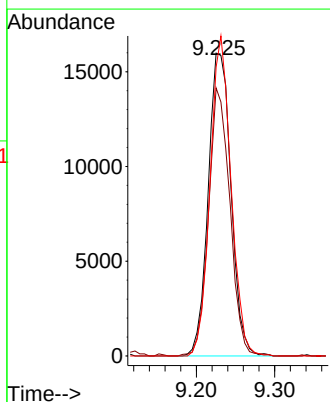
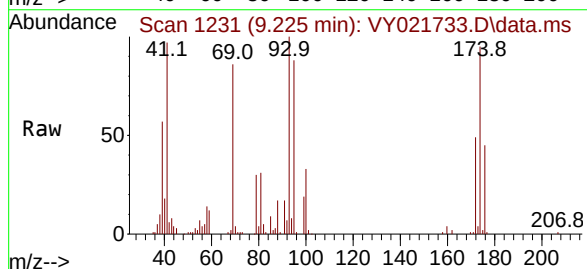
Tgt Ion: 93 Resp: 32300

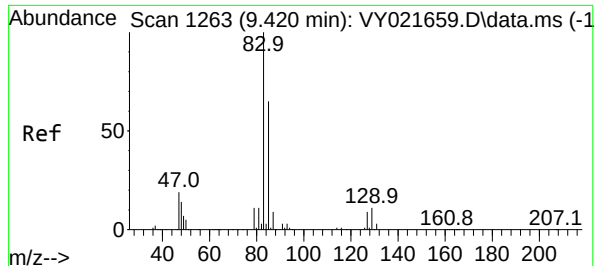
Ion Ratio Lower Upper

93 100

95 83.0 68.1 102.1

174 97.2 80.9 121.3





#47

Bromodichloromethane

Concen: 19.707 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

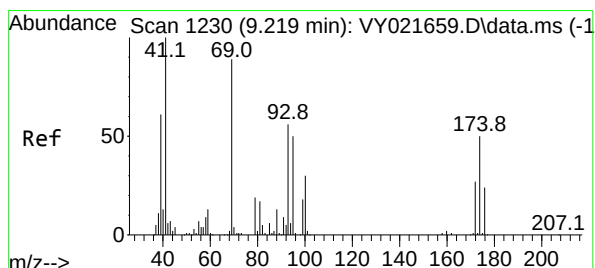
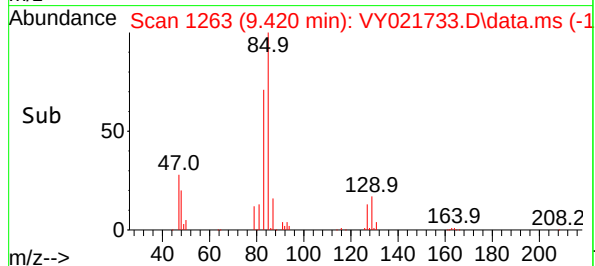
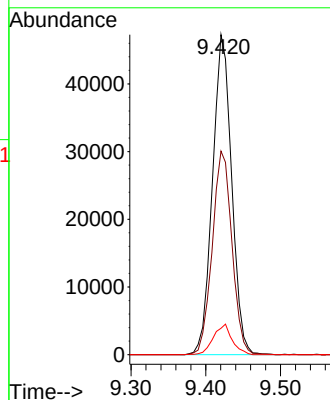
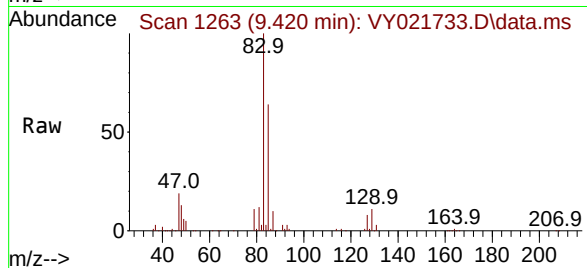
Tgt Ion:	83	Resp:	8401
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.8	77.6
127	8.2	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#48

Methyl methacrylate

Concen: 18.696 ug/l

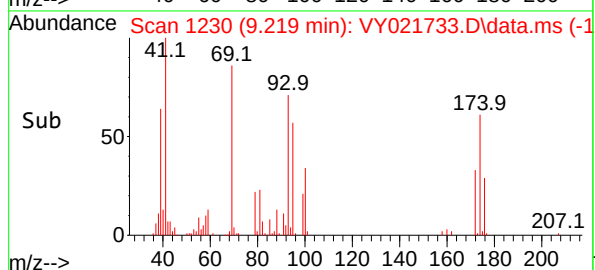
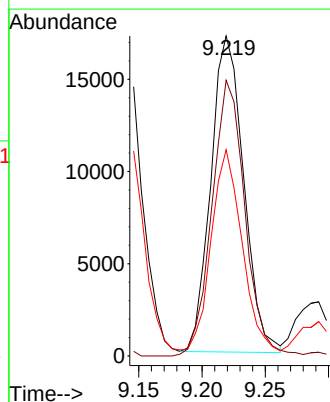
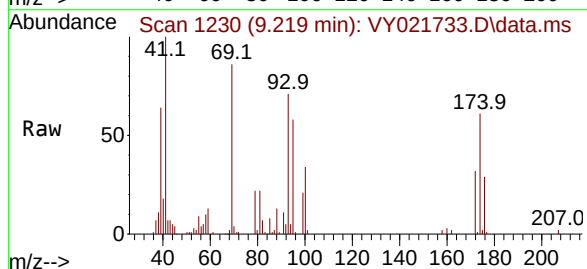
RT: 9.219 min Scan# 1230

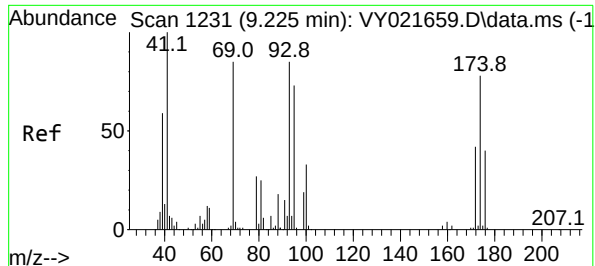
Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Tgt Ion:	41	Resp:	30905
Ion Ratio	Lower	Upper	
41	100		
69	87.4	69.8	104.8
39	59.4	47.2	70.8





#49

1,4-Dioxane

Concen: 398.466 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 88 Resp: 702

Ion Ratio Lower Upper

88 100

43 35.2 28.8 43.2

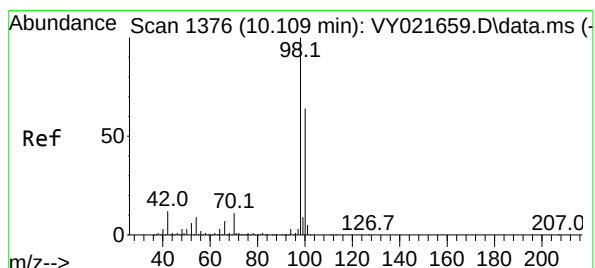
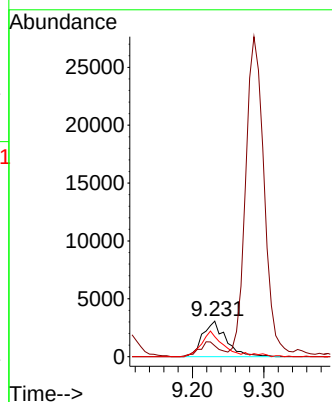
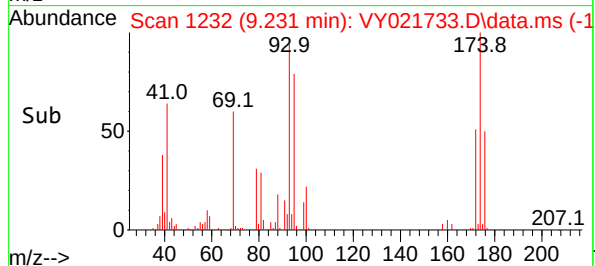
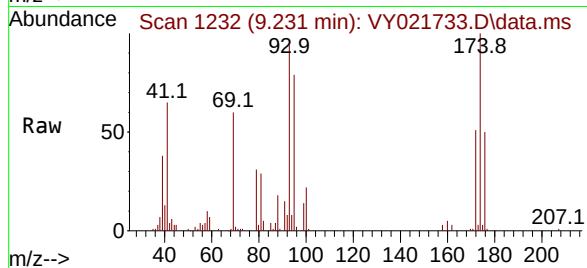
58 70.3 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#50

Toluene-d8

Concen: 54.931 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021733.D

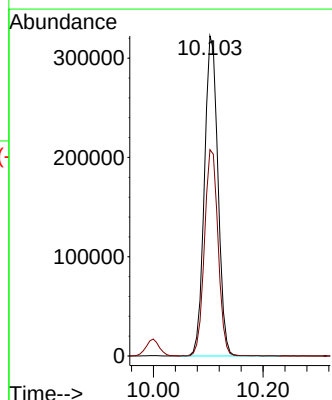
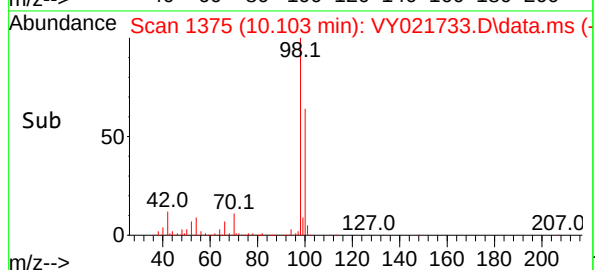
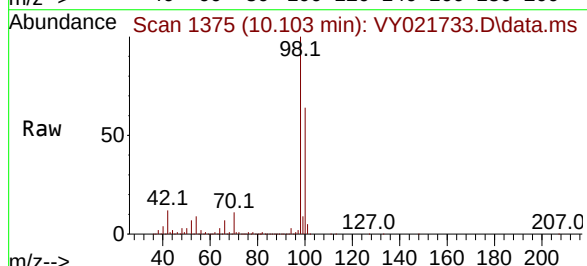
Acq: 01 Apr 2025 11:30

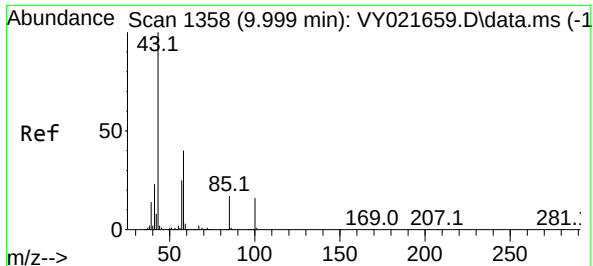
Tgt Ion: 98 Resp: 552526

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1





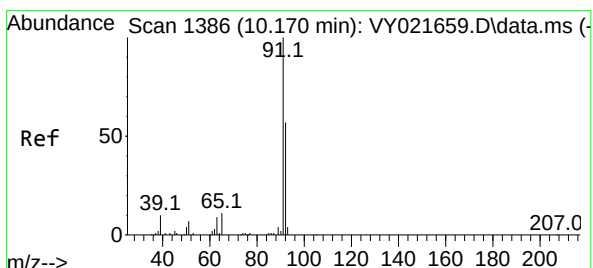
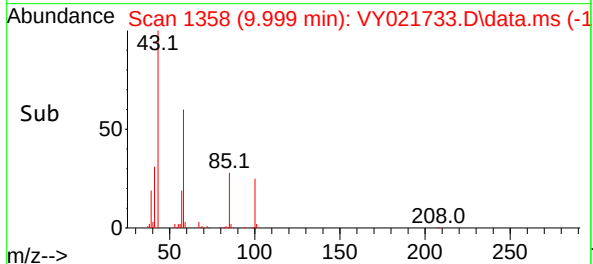
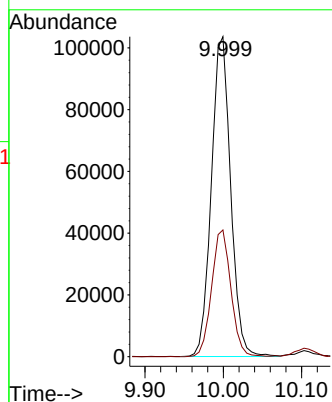
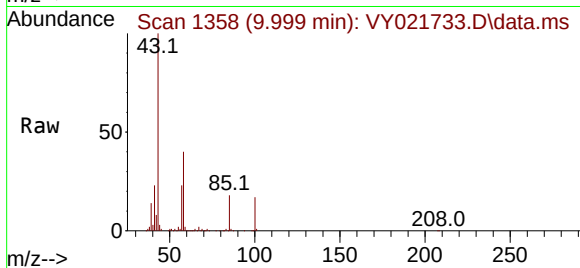
#51
4-Methyl-2-Pentanone
Concen: 94.559 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion: 43 Resp: 17723
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3

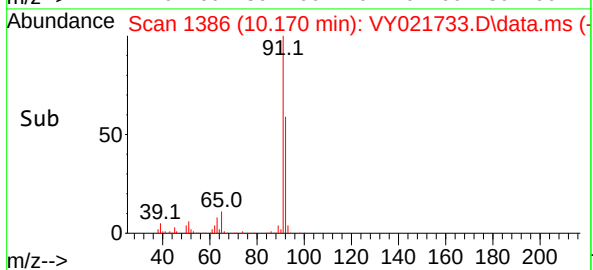
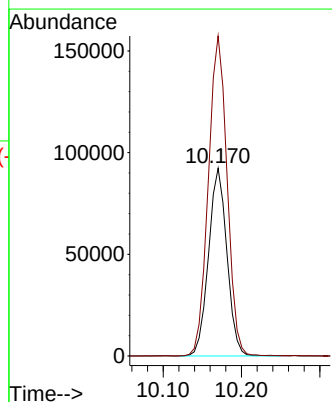
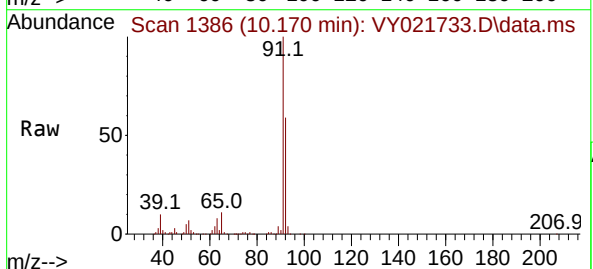
Manual Integrations
APPROVED

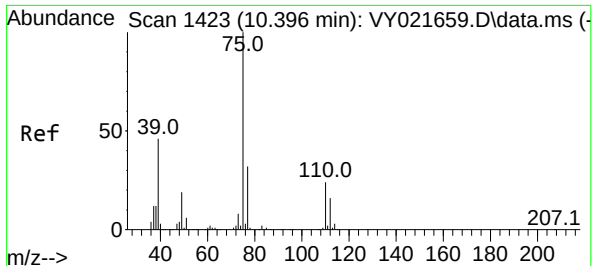
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#52
Toluene
Concen: 19.974 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion: 92 Resp: 150299
Ion Ratio Lower Upper
92 100
91 174.4 138.6 207.8





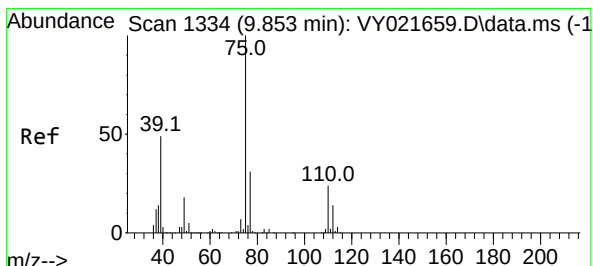
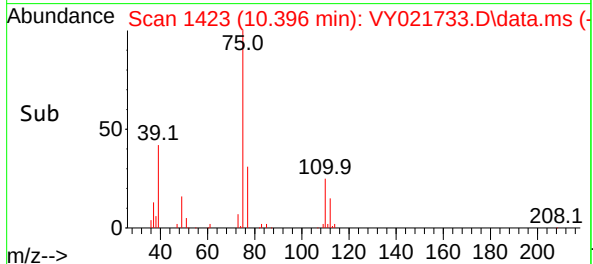
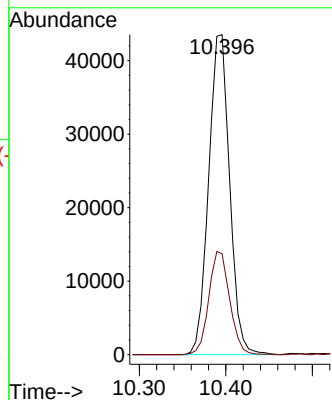
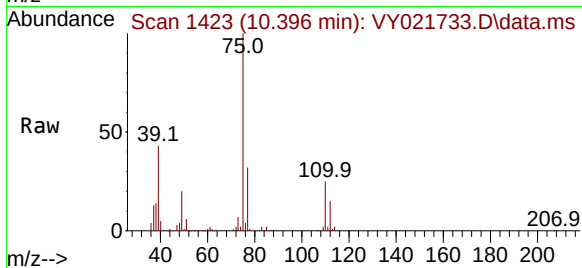
#53
t-1,3-Dichloropropene
Concen: 19.371 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion: 75 Resp: 7335
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9

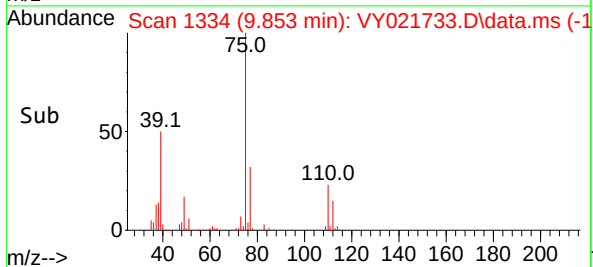
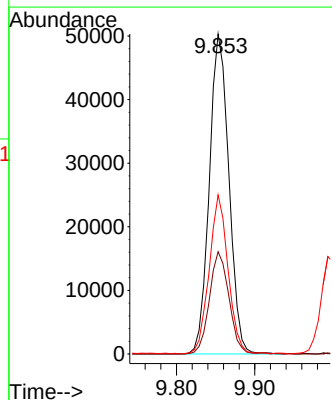
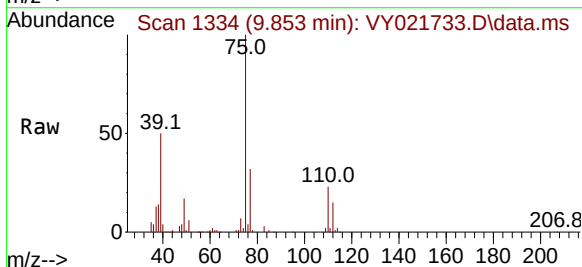
Manual Integrations
APPROVED

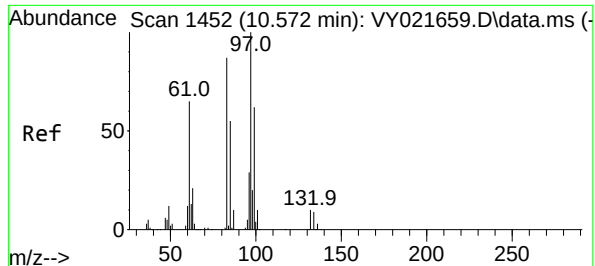
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#54
cis-1,3-Dichloropropene
Concen: 19.495 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

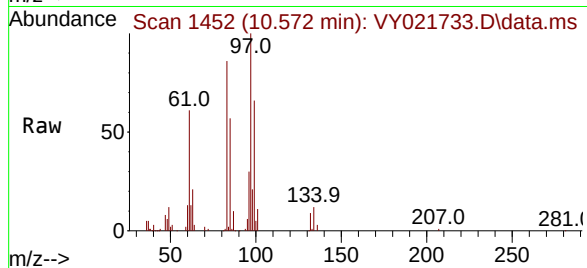
Tgt Ion: 75 Resp: 87090
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 49.7 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 19.958 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

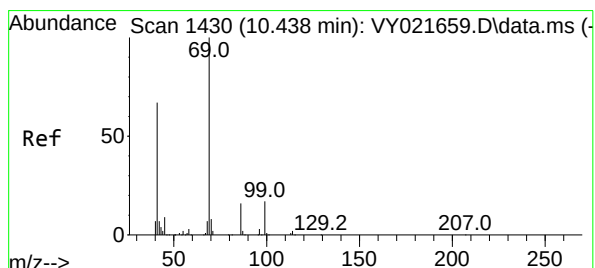
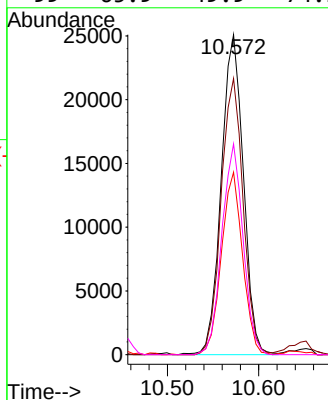
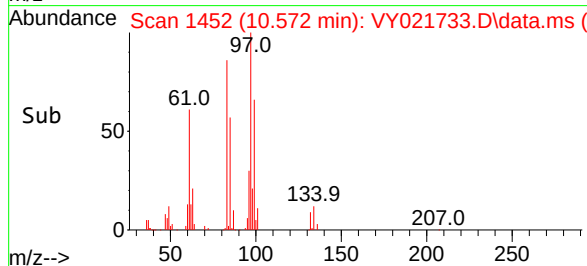
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion: 97 Resp: 4225
Ion Ratio Lower Upper
97 100
83 86.3 69.5 104.3
85 57.0 43.9 65.9
99 65.9 49.9 74.9

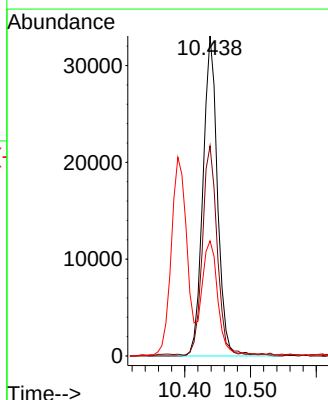
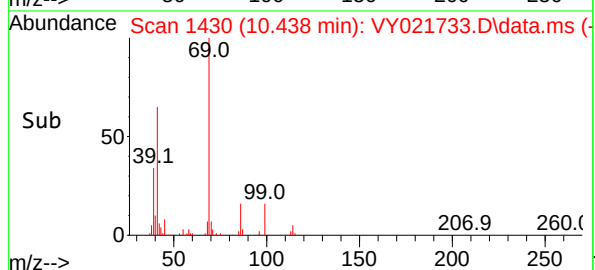
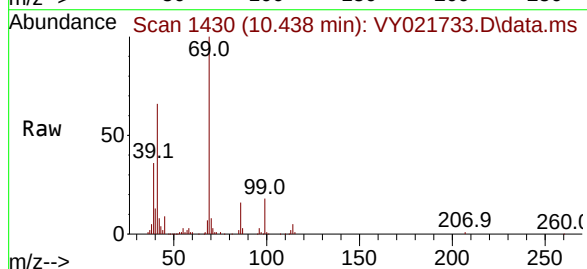
Manual Integrations
APPROVED

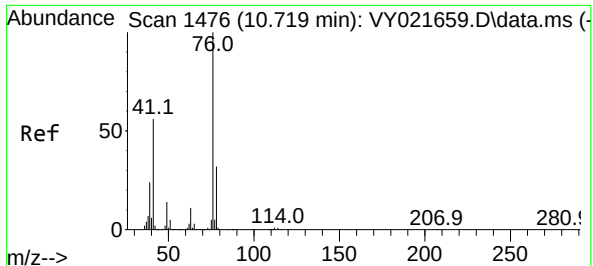
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#56
Ethyl methacrylate
Concen: 18.811 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

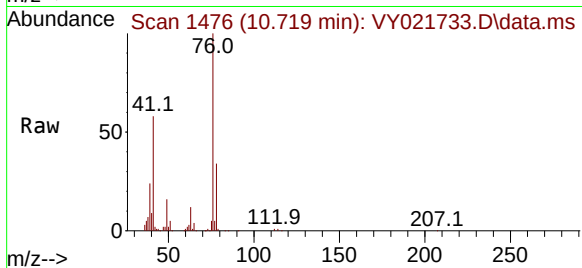
Tgt Ion: 69 Resp: 50856
Ion Ratio Lower Upper
69 100
41 66.4 53.8 80.6
39 39.1 29.6 44.4





#57
1,3-Dichloropropane
Concen: 19.553 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

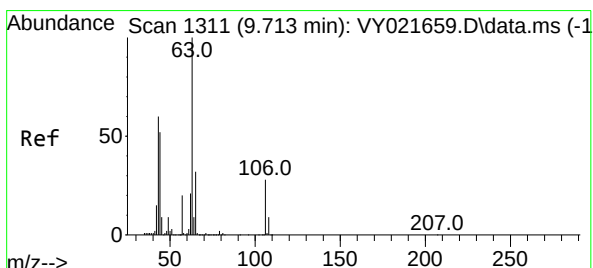
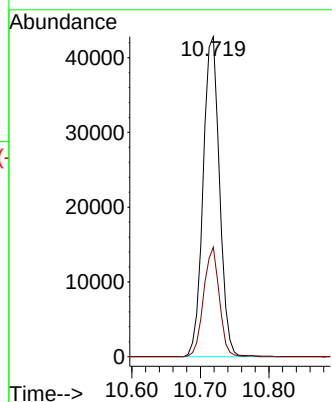
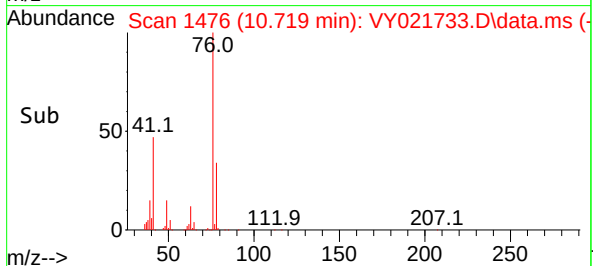
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion: 76 Resp: 71498
Ion Ratio Lower Upper
76 100
78 32.6 25.8 38.8

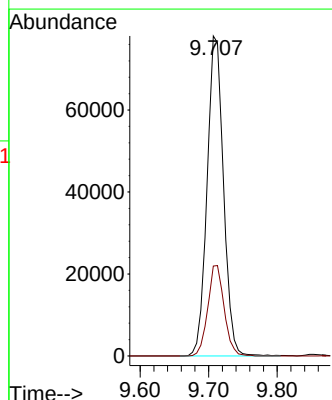
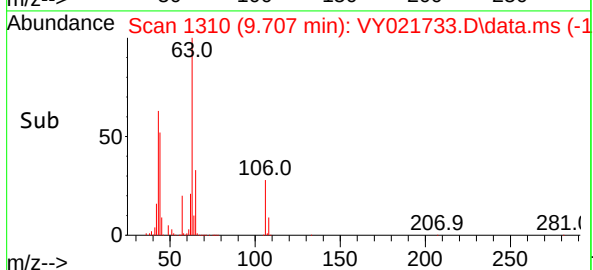
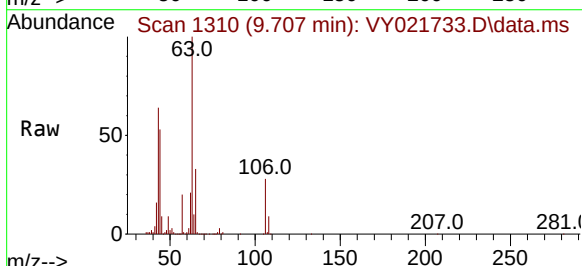
Manual Integrations
APPROVED

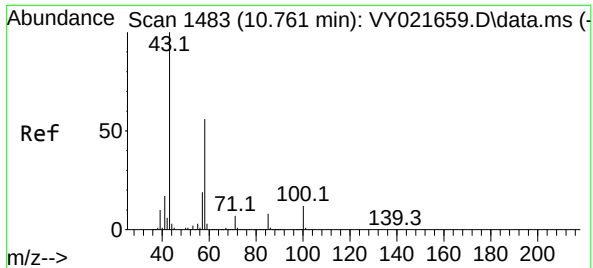
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#58
2-Chloroethyl Vinyl ether
Concen: 98.652 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion: 63 Resp: 130109
Ion Ratio Lower Upper
63 100
106 28.2 22.4 33.6





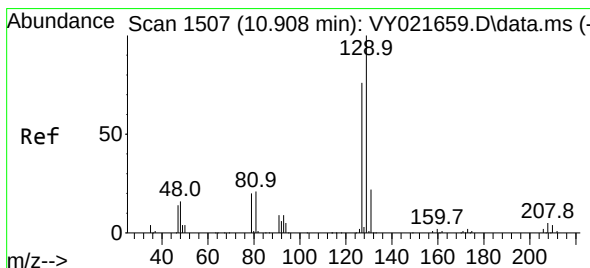
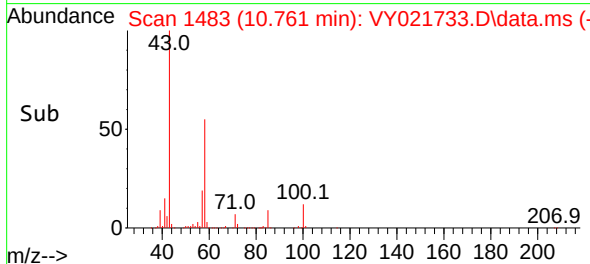
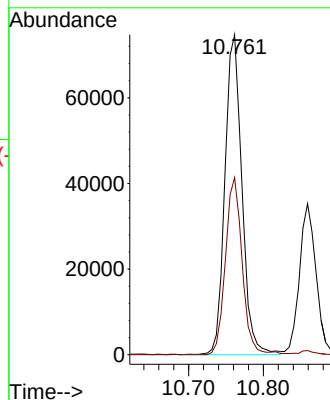
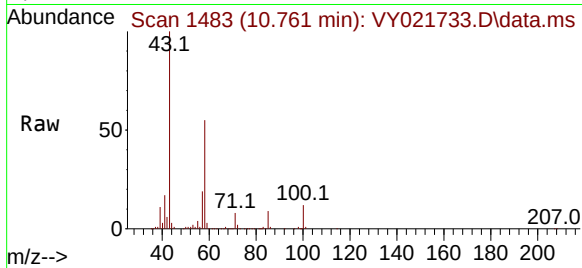
#59
2-Hexanone
Concen: 94.881 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion: 43 Resp: 118439
Ion Ratio Lower Upper
43 100
58 54.4 27.2 81.5

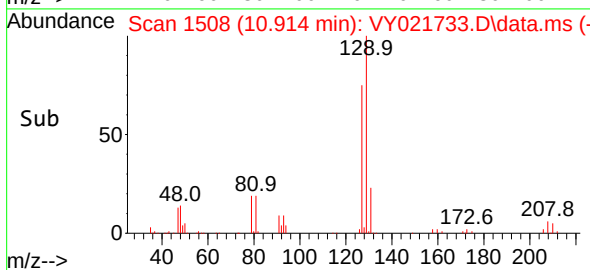
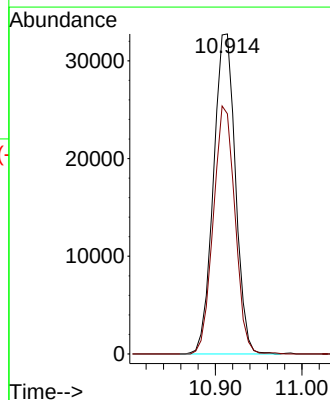
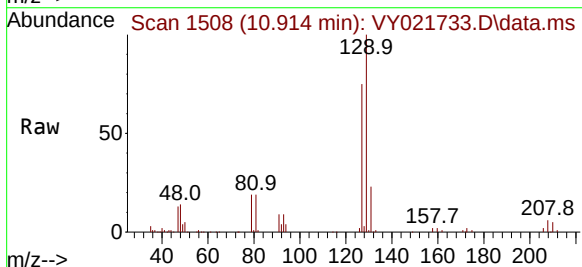
Manual Integrations
APPROVED

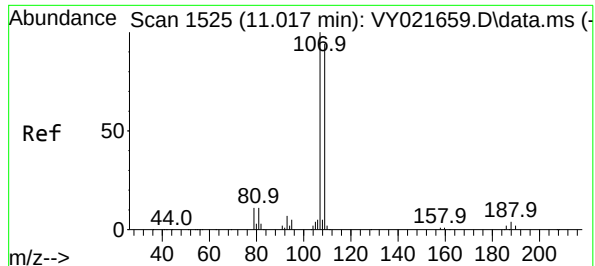
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#60
Dibromochloromethane
Concen: 19.981 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion:129 Resp: 57761
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7





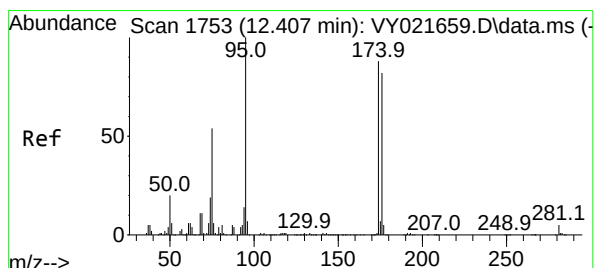
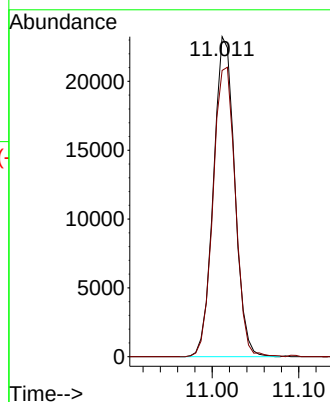
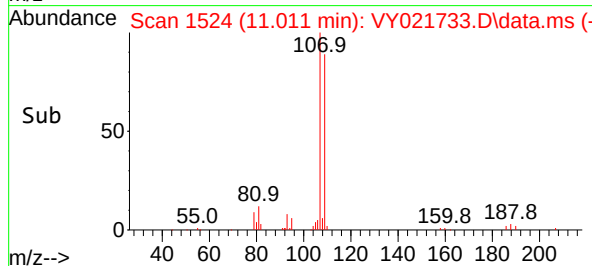
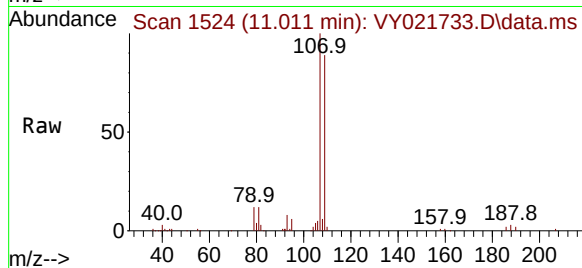
#61
1,2-Dibromoethane
Concen: 19.954 ug/l
RT: 11.011 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion:107 Resp: 3963
Ion Ratio Lower Upper
107 100
109 94.8 74.4 111.6

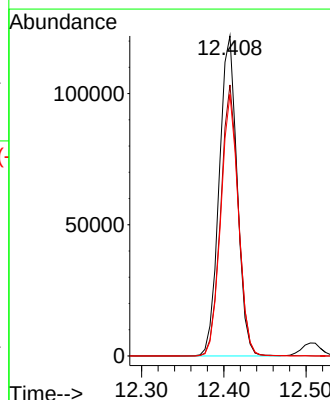
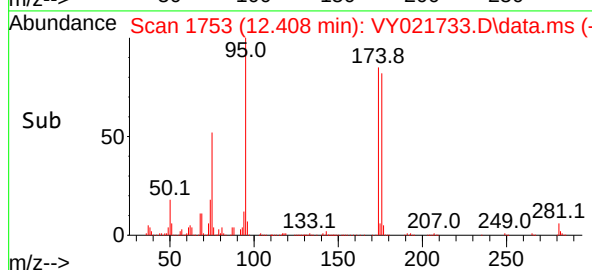
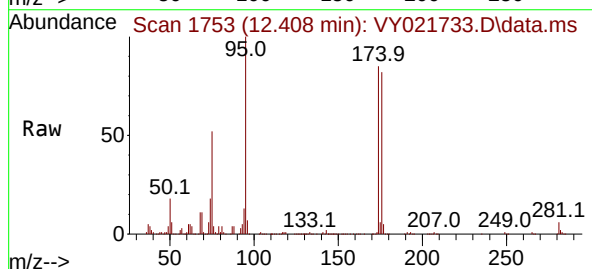
Manual Integrations
APPROVED

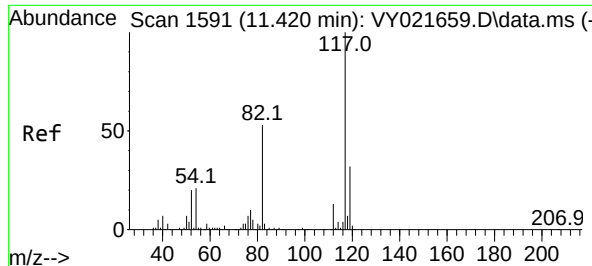
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#62
4-Bromofluorobenzene
Concen: 54.320 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

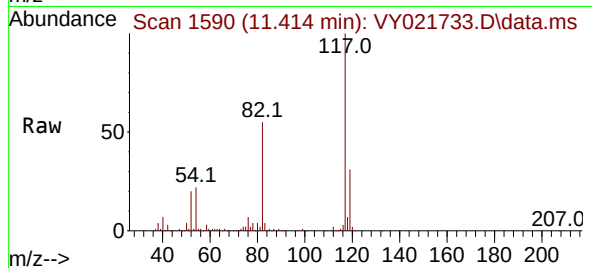
Tgt Ion: 95 Resp: 184811
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 80.2 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

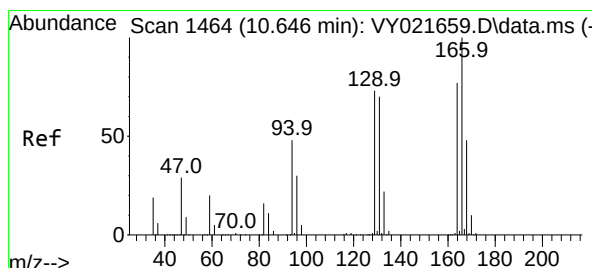
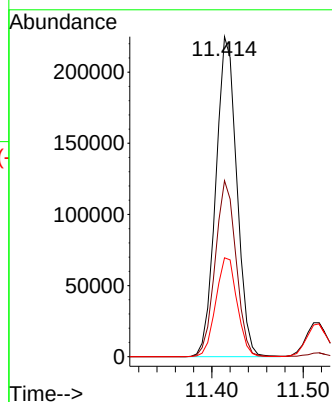
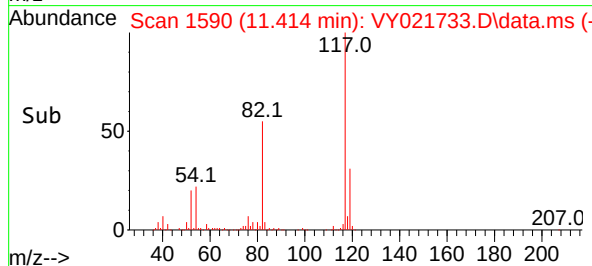
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion:117 Resp: 358349
Ion Ratio Lower Upper
117 100
82 55.0 42.8 64.2
119 30.9 25.7 38.5

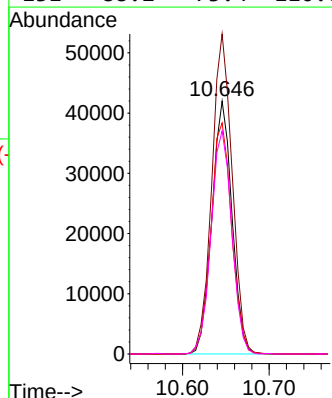
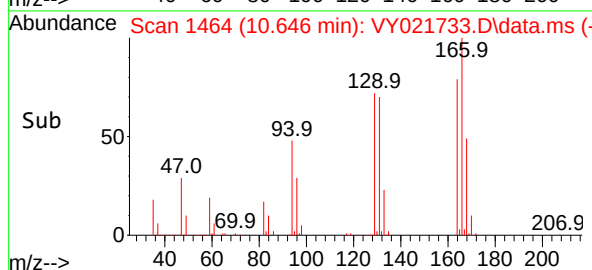
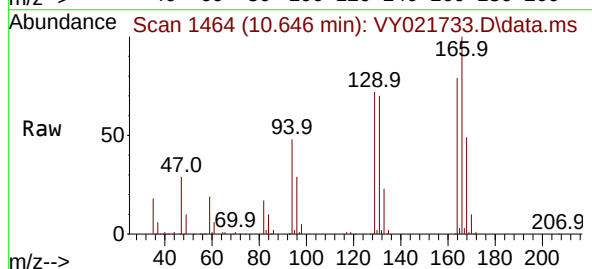
Manual Integrations
APPROVED

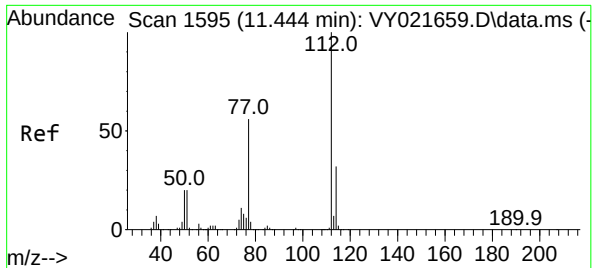
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#64
Tetrachloroethene
Concen: 20.770 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

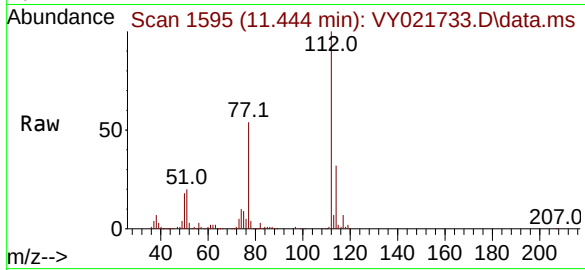
Tgt Ion:164 Resp: 67787
Ion Ratio Lower Upper
164 100
166 126.6 104.6 156.8
129 91.4 76.6 114.8
131 88.2 73.4 110.0





#65
Chlorobenzene
Concen: 19.863 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

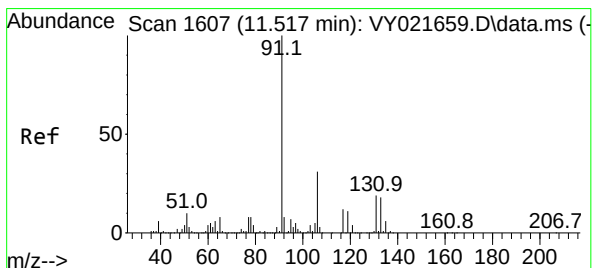
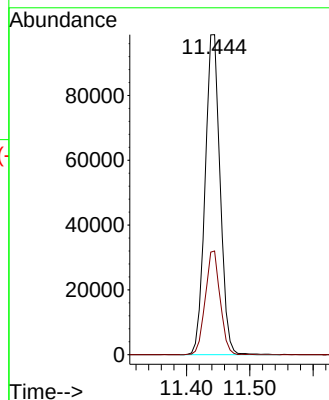
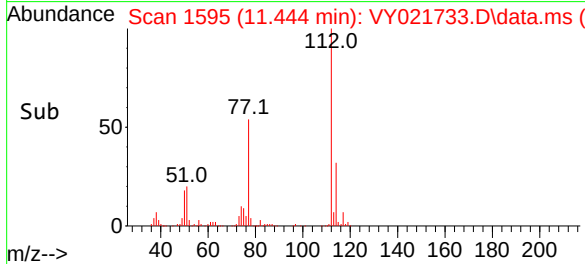
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



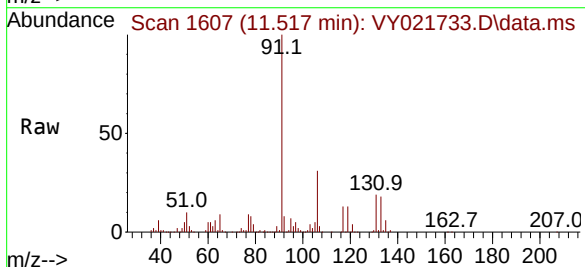
Tgt Ion:112 Resp: 163162
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

Manual Integrations
APPROVED

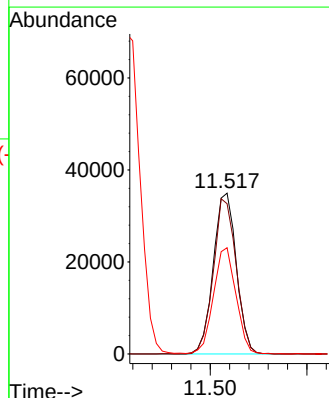
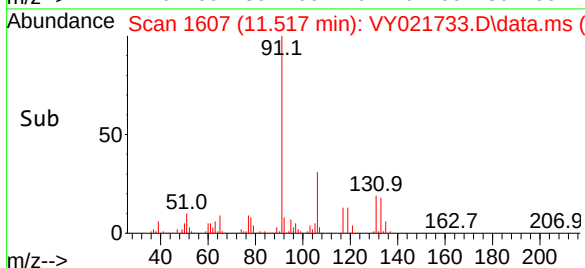
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

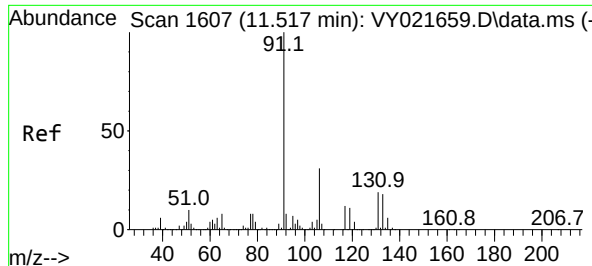


#66
1,1,1,2-Tetrachloroethane
Concen: 19.825 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



Tgt Ion:131 Resp: 57780
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 64.7 31.6 95.0





#67

Ethyl Benzene

Concen: 19.829 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion: 91 Resp: 27931

Ion Ratio Lower Upper

91 100

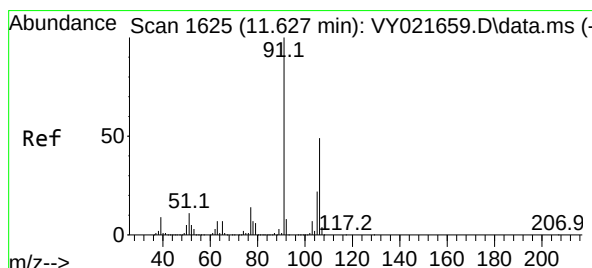
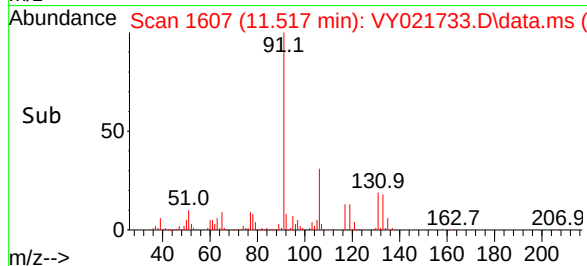
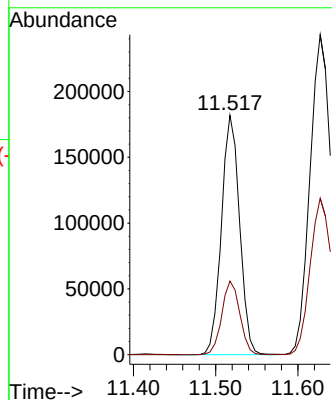
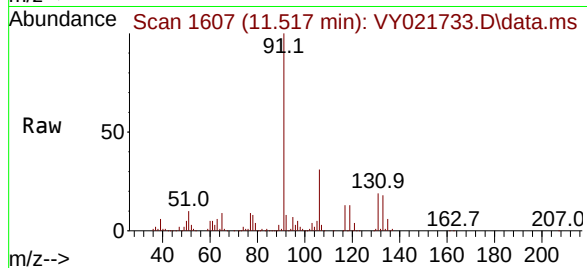
106 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#68

m/p-Xylenes

Concen: 39.525 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021733.D

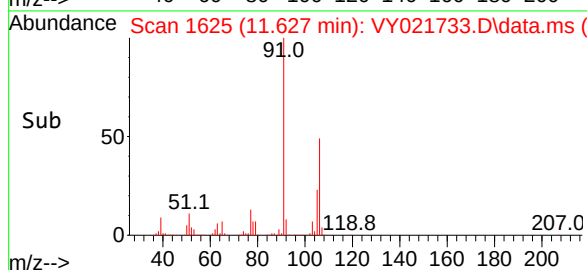
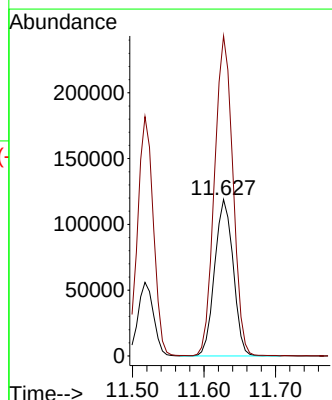
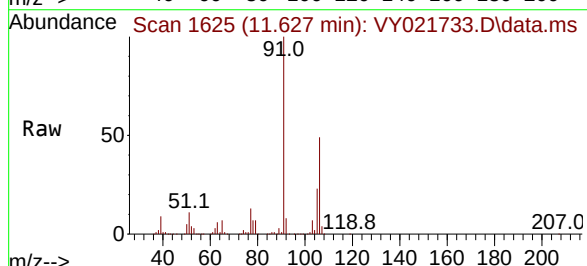
Acq: 01 Apr 2025 11:30

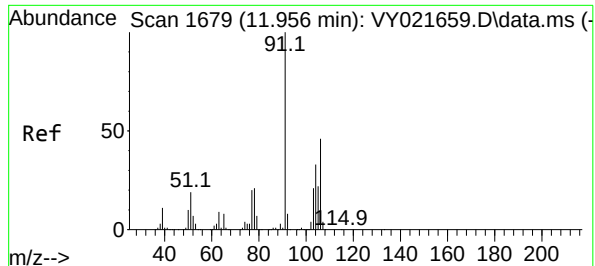
Tgt Ion:106 Resp: 213197

Ion Ratio Lower Upper

106 100

91 204.1 162.4 243.6





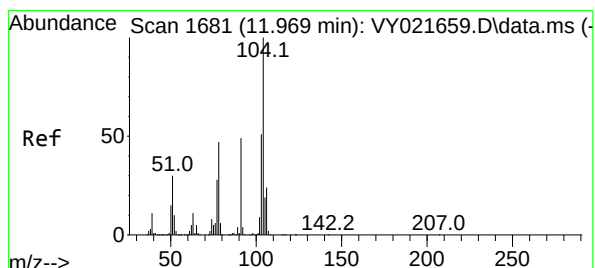
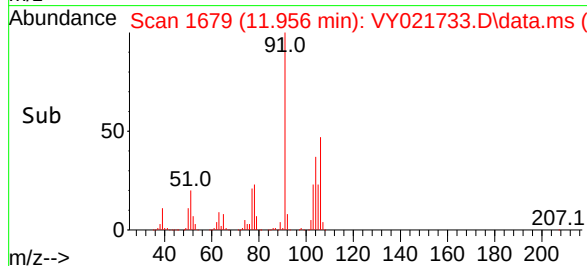
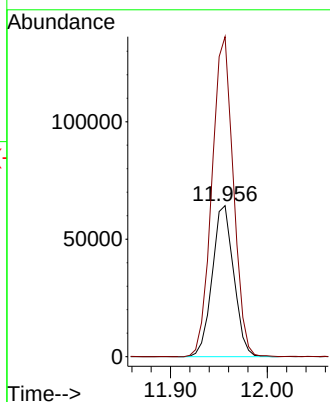
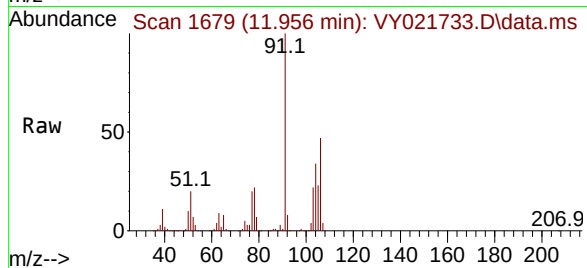
#69
o-Xylene
Concen: 19.962 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion:106 Resp: 9939
Ion Ratio Lower Upper
106 100
91 211.0 106.7 319.9

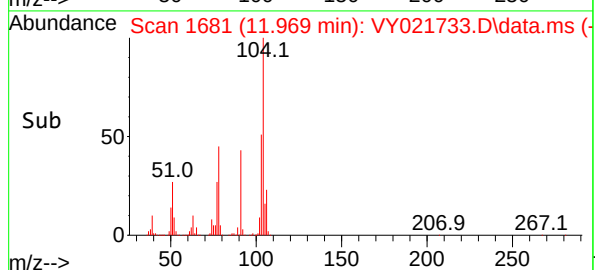
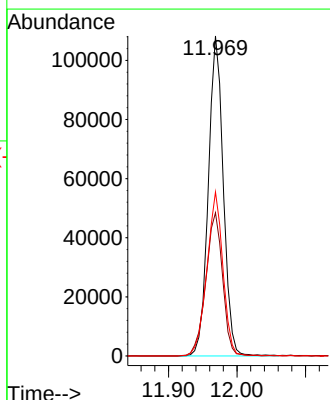
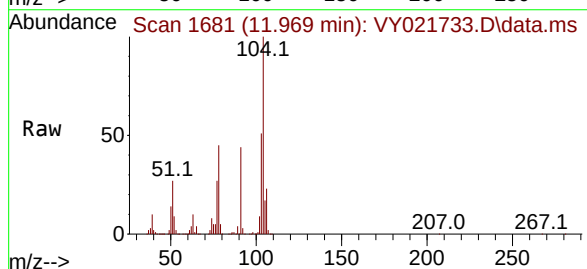
Manual Integrations
APPROVED

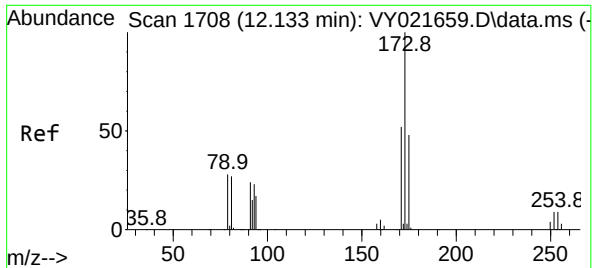
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#70
Styrene
Concen: 19.872 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

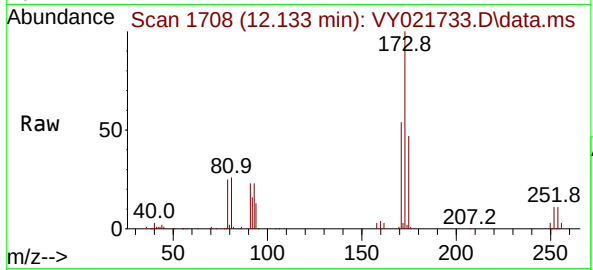
Tgt Ion:104 Resp: 164968
Ion Ratio Lower Upper
104 100
78 49.8 40.8 61.2
103 55.1 44.2 66.2





#71
Bromoform
Concen: 20.501 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

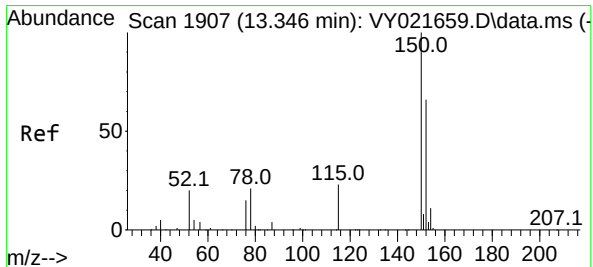
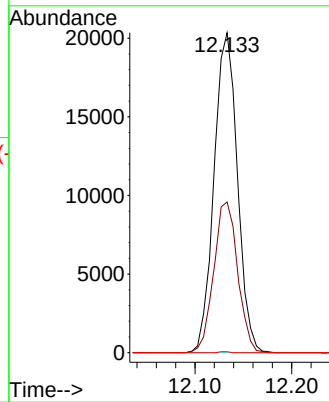
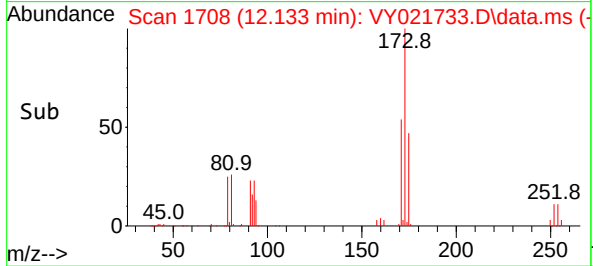
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



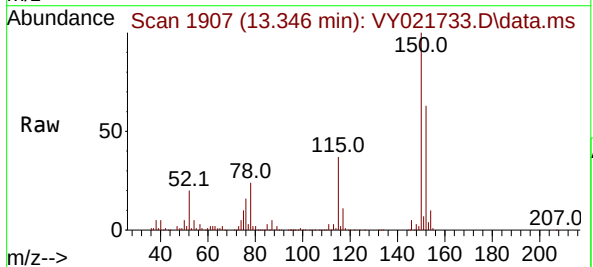
Tgt Ion:173 Resp: 34082
Ion Ratio Lower Upper
173 100
175 48.3 24.3 73.0
254 0.1 0.1 0.1

Manual Integrations
APPROVED

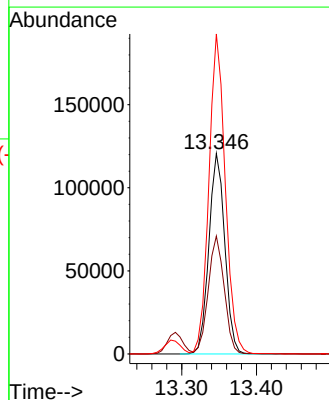
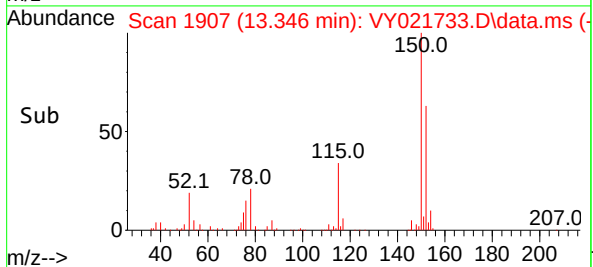
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

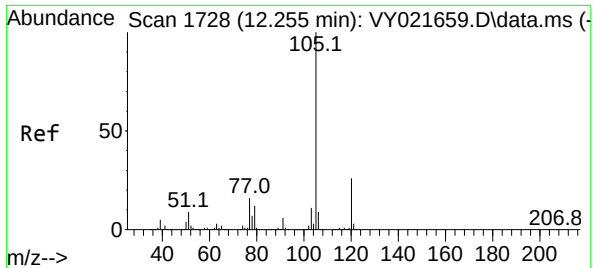


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



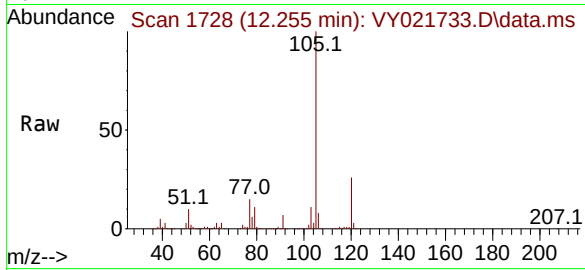
Tgt Ion:152 Resp: 179014
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 164.1 0.0 348.4





#73
Isopropylbenzene
Concen: 19.814 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

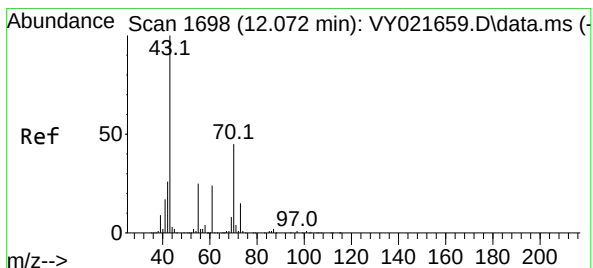
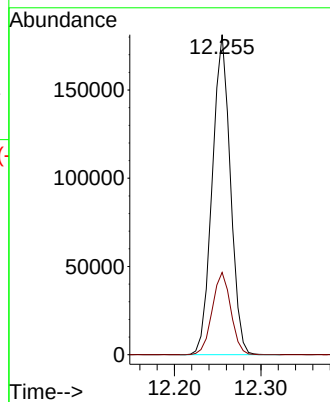
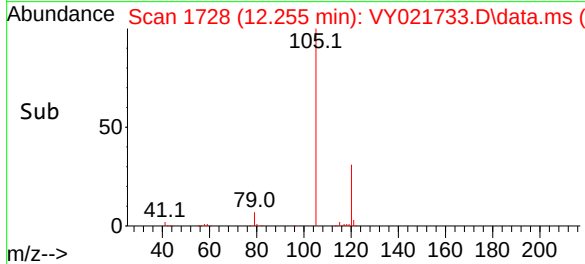
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



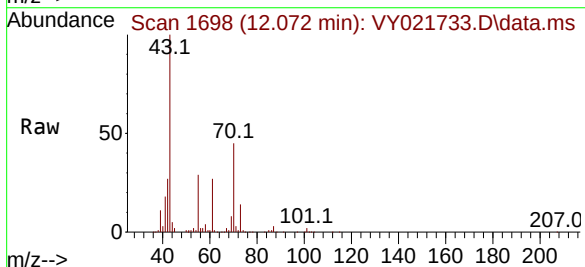
Tgt Ion: 105 Resp: 263449
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

Manual Integrations
APPROVED

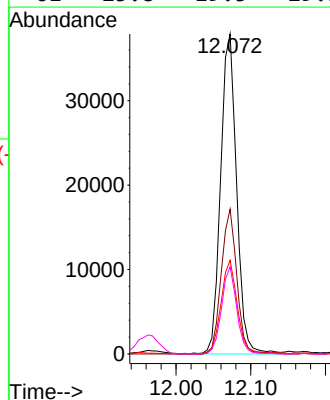
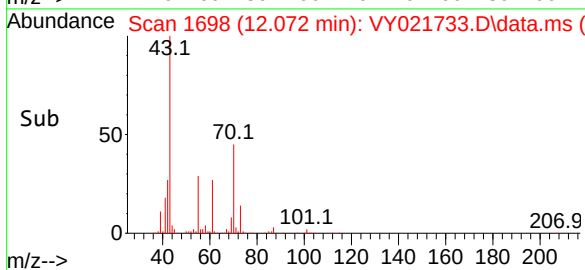
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

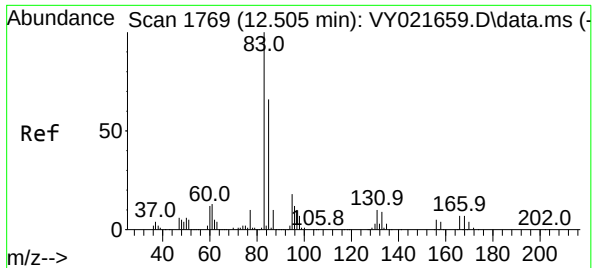


#74
N-ethyl acetate
Concen: 18.029 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



Tgt Ion: 43 Resp: 56258
Ion Ratio Lower Upper
43 100
70 44.2 34.7 52.1
55 30.1 21.2 31.8
61 25.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.822 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

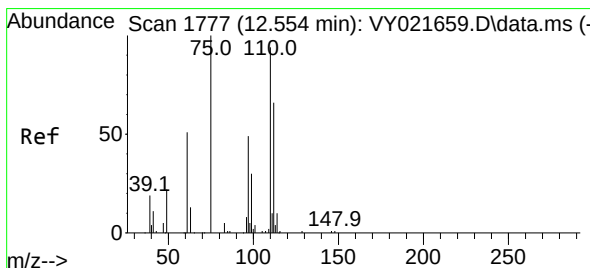
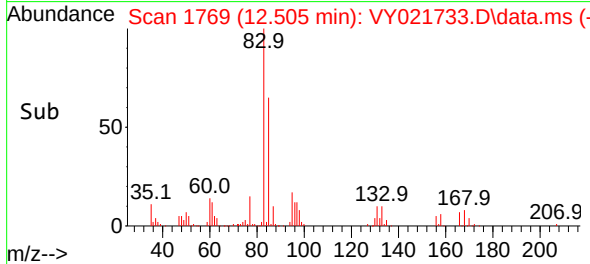
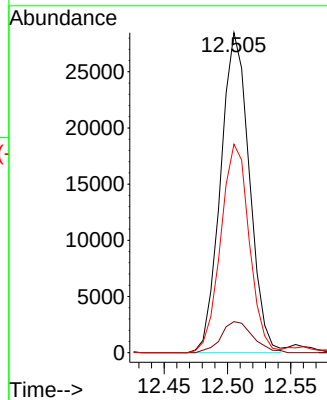
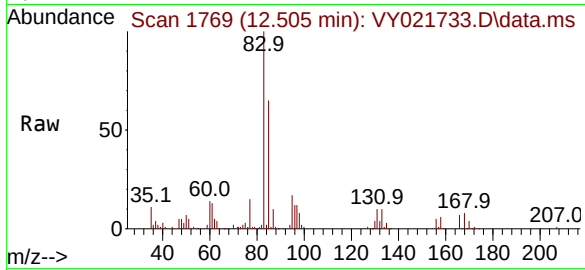
Tgt Ion:	83	Resp:	4499
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#76

1,2,3-Trichloropropane

Concen: 19.977 ug/l m

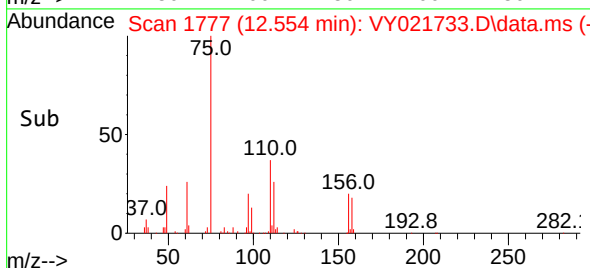
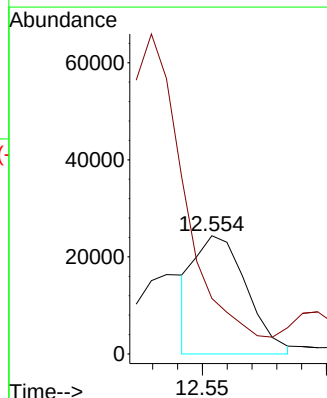
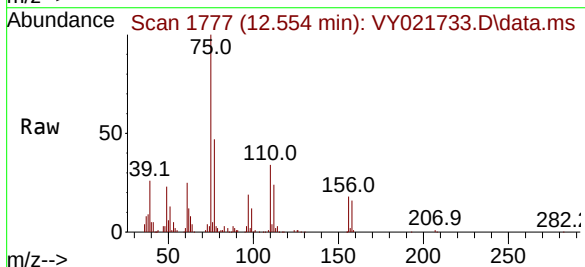
RT: 12.554 min Scan# 1777

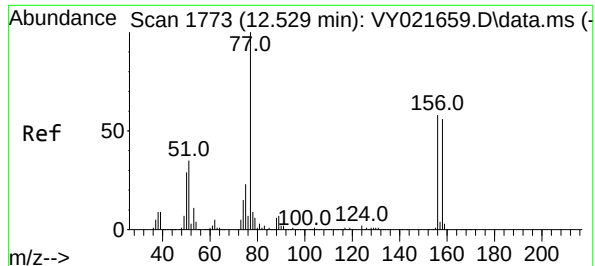
Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Tgt Ion:	75	Resp:	35449
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.832 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion:156 Resp: 63312

Ion Ratio Lower Upper

156 100

77 183.7 92.8 278.3

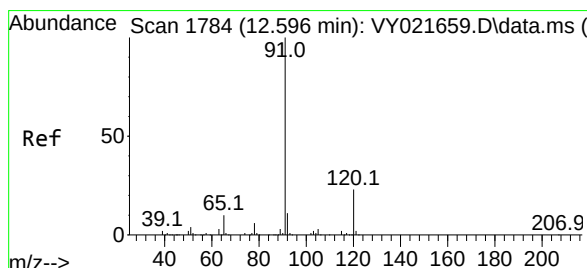
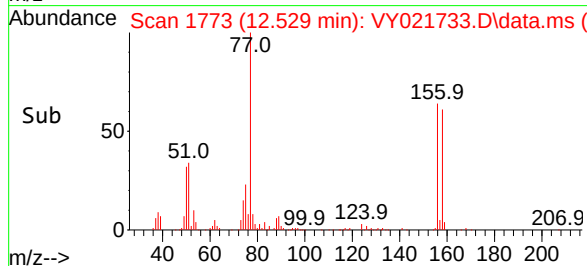
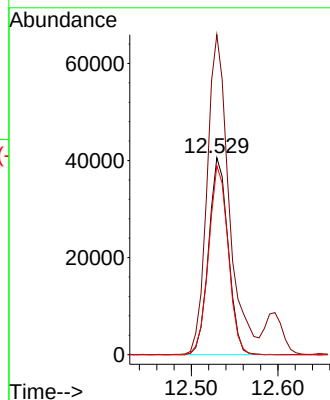
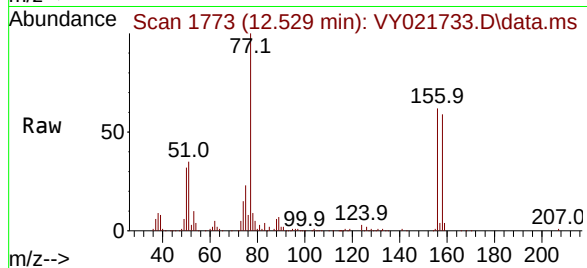
158 96.3 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#78

n-propylbenzene

Concen: 19.954 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021733.D

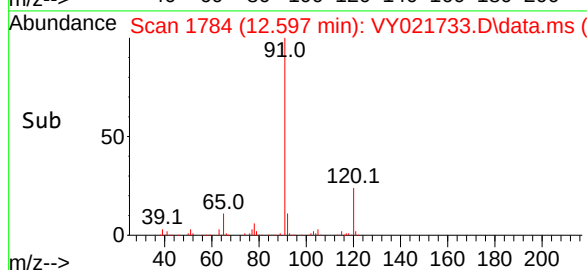
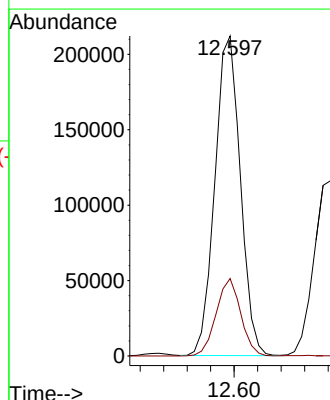
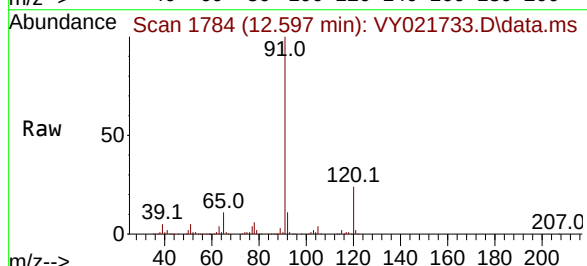
Acq: 01 Apr 2025 11:30

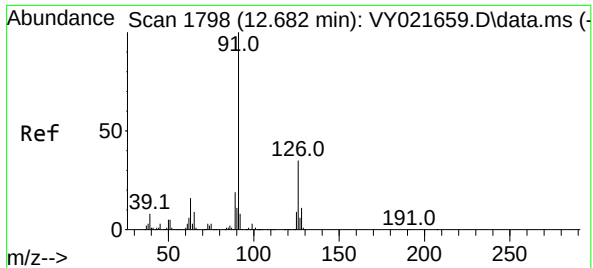
Tgt Ion: 91 Resp: 318964

Ion Ratio Lower Upper

91 100

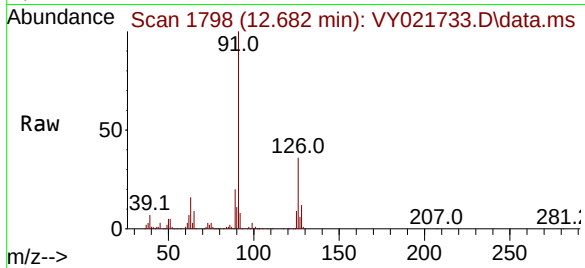
120 23.4 11.3 33.9





#79
2-Chlorotoluene
Concen: 19.986 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

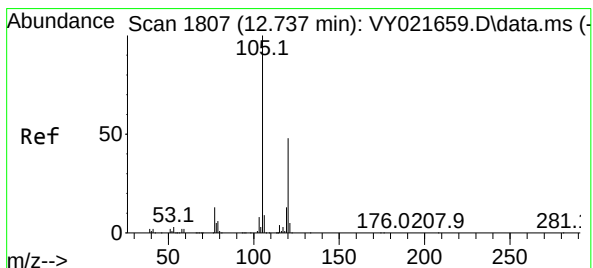
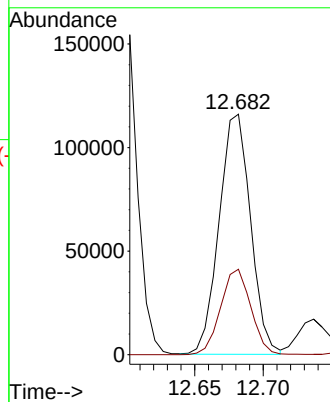
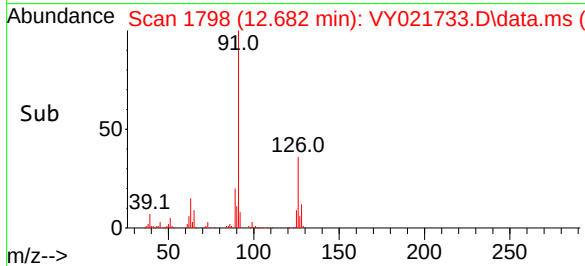
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



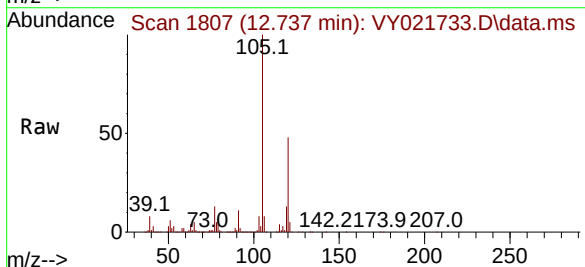
Tgt Ion: 91 Resp: 185554
Ion Ratio Lower Upper
91 100
126 34.2 17.3 52.0

Manual Integrations
APPROVED

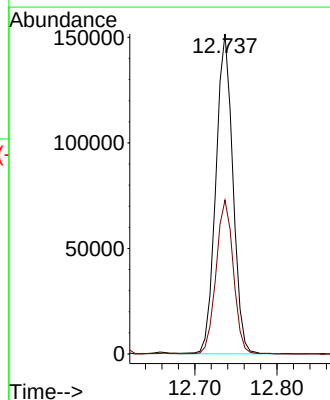
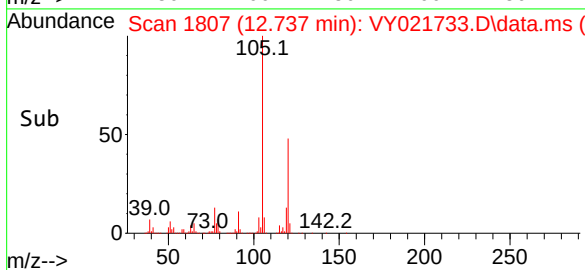
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

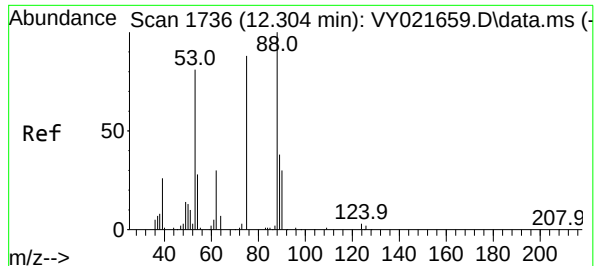


#80
1,3,5-Trimethylbenzene
Concen: 20.054 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



Tgt Ion:105 Resp: 217918
Ion Ratio Lower Upper
105 100
120 48.8 24.5 73.5





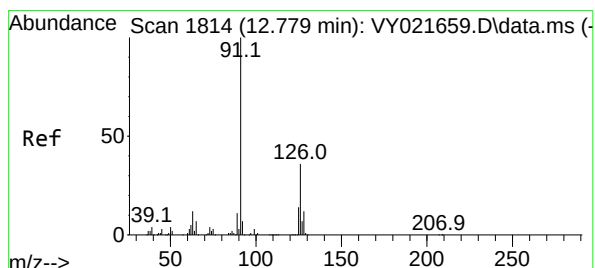
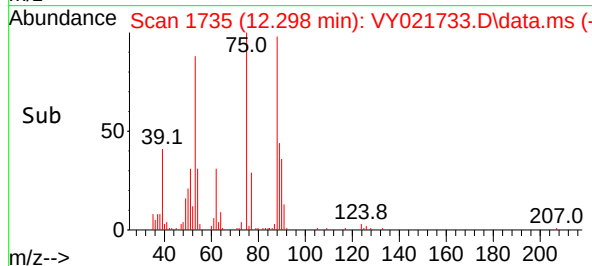
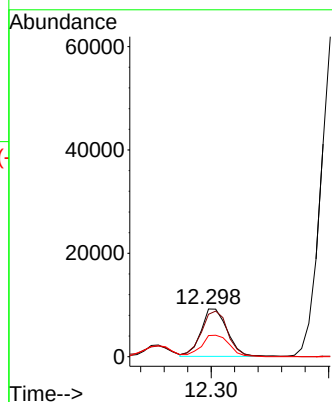
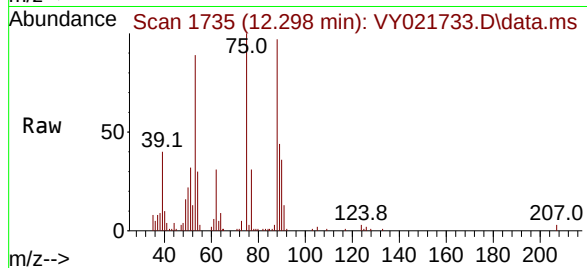
#81
trans-1,4-Dichloro-2-butene
Concen: 18.443 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion: 75 Resp: 1420
Ion Ratio Lower Upper
75 100
53 98.6 76.1 114.1
89 47.3 36.2 54.4

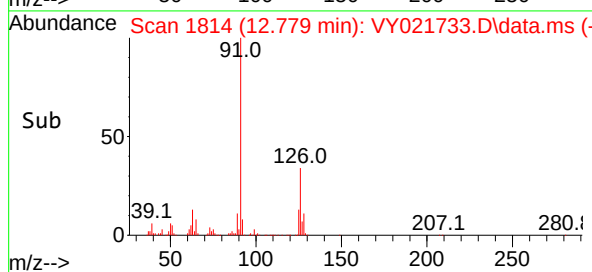
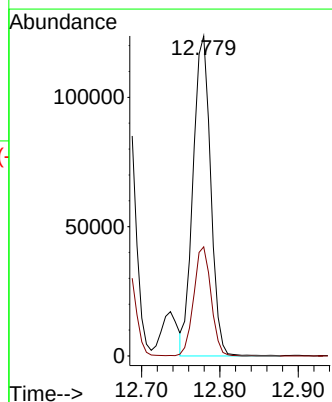
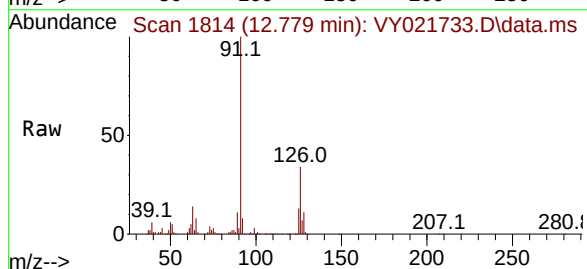
Manual Integrations
APPROVED

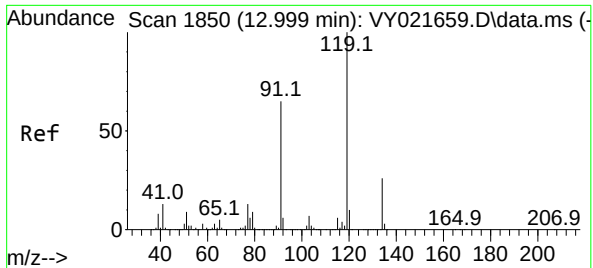
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#82
4-Chlorotoluene
Concen: 19.999 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

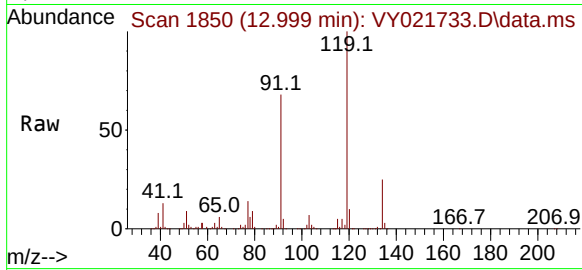
Tgt Ion: 91 Resp: 193577
Ion Ratio Lower Upper
91 100
126 33.6 17.0 50.9





#83
tert-Butylbenzene
Concen: 19.845 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

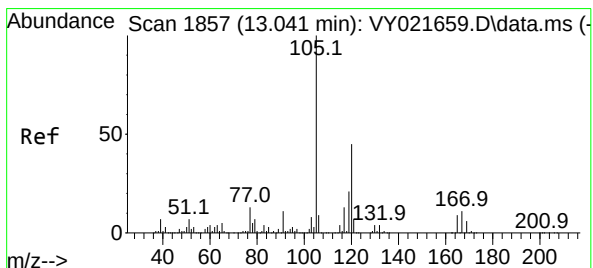
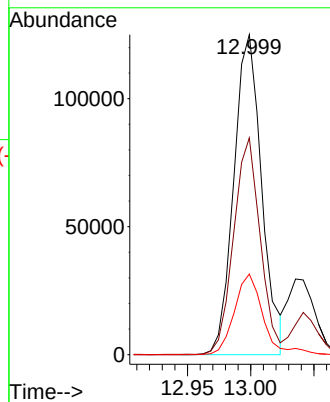
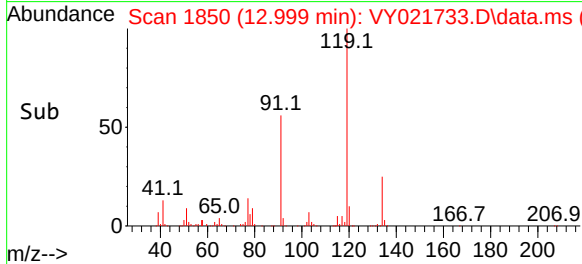
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



Tgt Ion:119 Resp: 19208
Ion Ratio Lower Upper
119 100
91 64.9 32.6 97.7
134 26.0 13.2 39.6

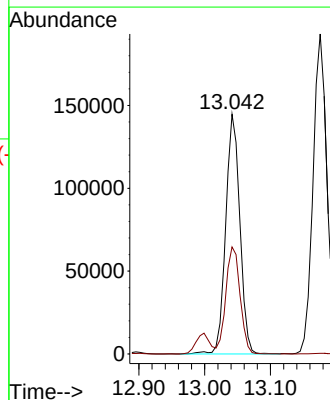
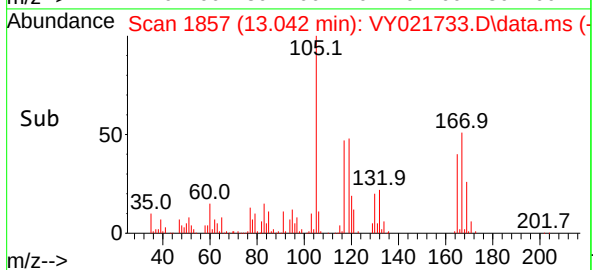
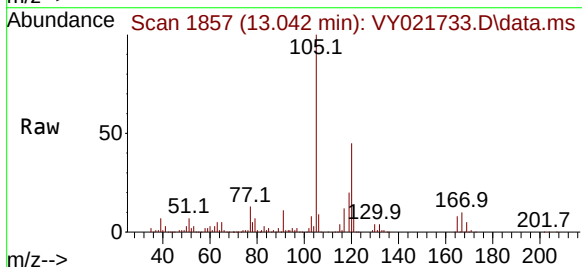
Manual Integrations
APPROVED

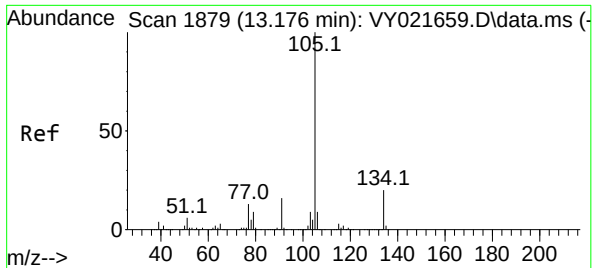
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.175 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion:105 Resp: 216682
Ion Ratio Lower Upper
105 100
120 45.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.971 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion:105 Resp: 282492

Ion Ratio Lower Upper

105 100

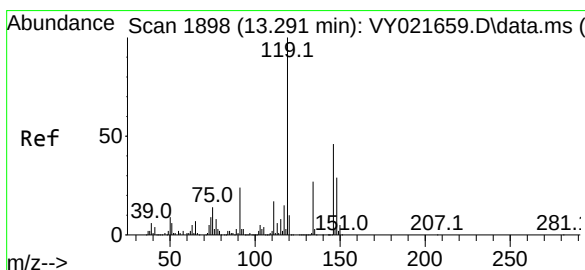
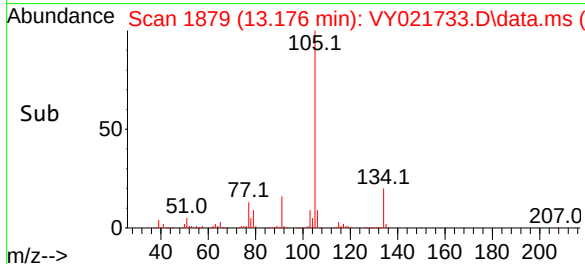
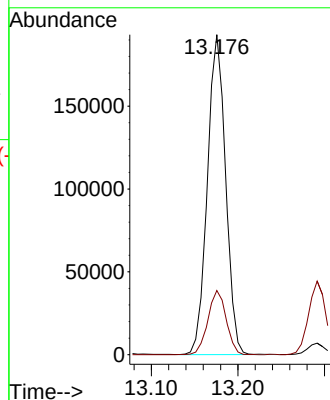
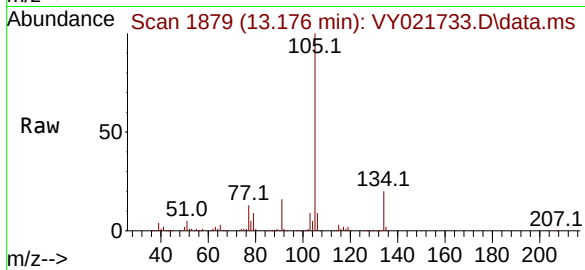
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#86

p-Isopropyltoluene

Concen: 19.909 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

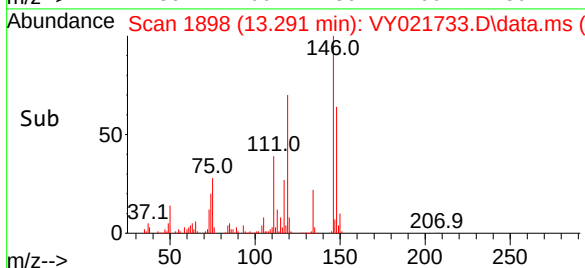
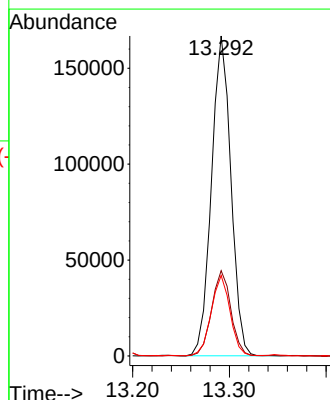
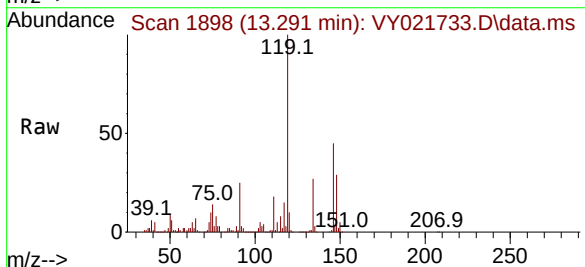
Tgt Ion:119 Resp: 232750

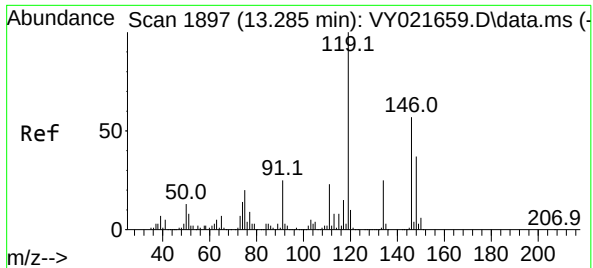
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

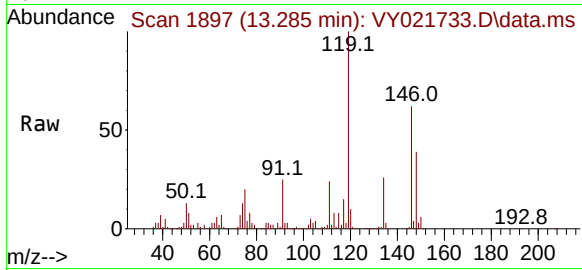
91 24.3 12.0 36.0





#87
1,3-Dichlorobenzene
Concen: 19.765 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

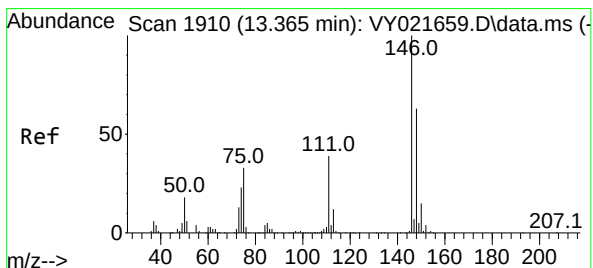
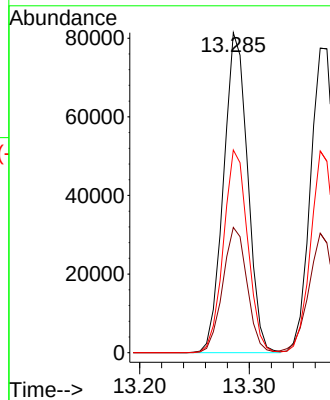
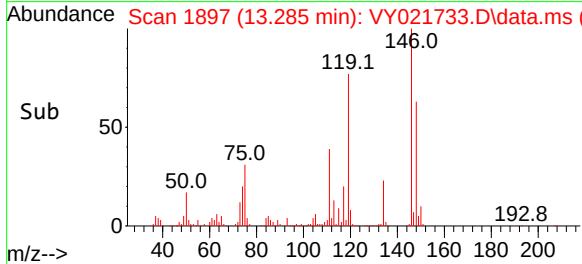
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01



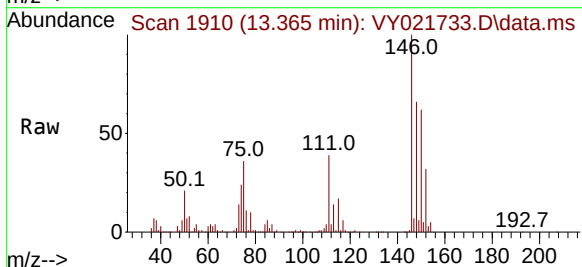
Tgt Ion:146 Resp: 124312
Ion Ratio Lower Upper
146 100
111 39.5 20.0 60.0
148 63.6 31.8 95.4

Manual Integrations
APPROVED

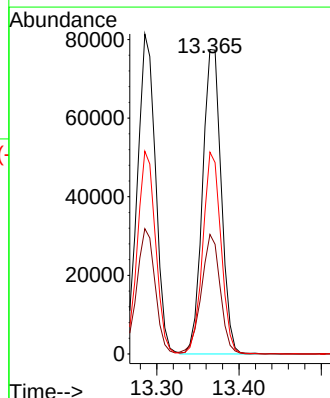
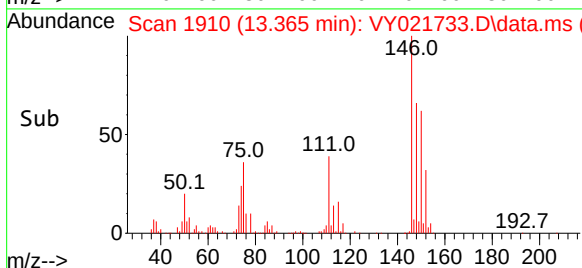
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

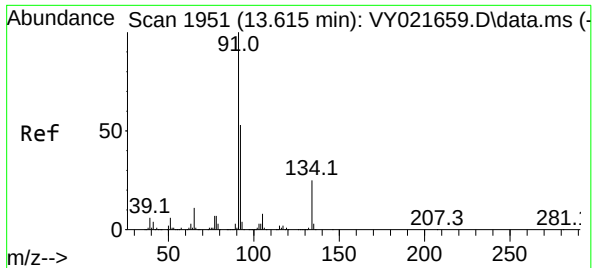


#88
1,4-Dichlorobenzene
Concen: 19.714 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30



Tgt Ion:146 Resp: 122507
Ion Ratio Lower Upper
146 100
111 39.6 19.1 57.1
148 64.5 31.5 94.5





#89

n-Butylbenzene

Concen: 19.504 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021733.D

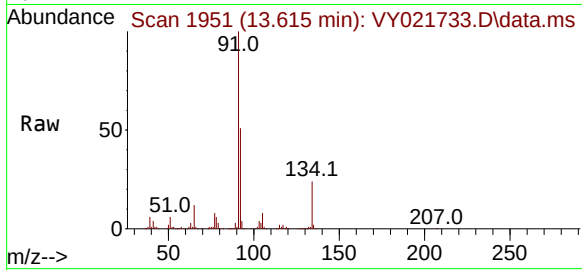
Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01



Tgt Ion: 91 Resp: 21087

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.2

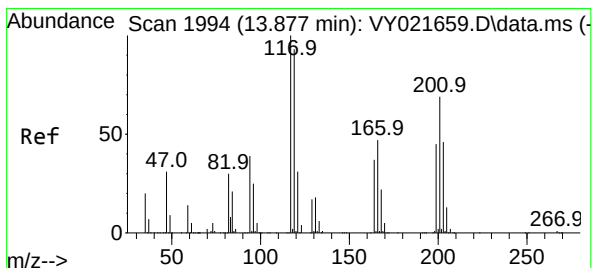
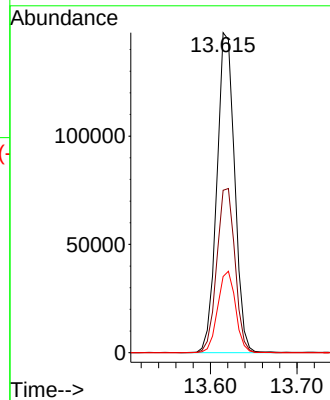
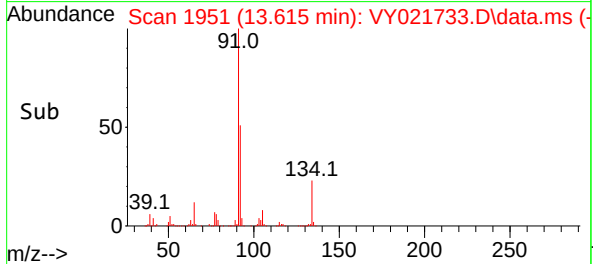
134 25.5 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#90

Hexachloroethane

Concen: 19.269 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY021733.D

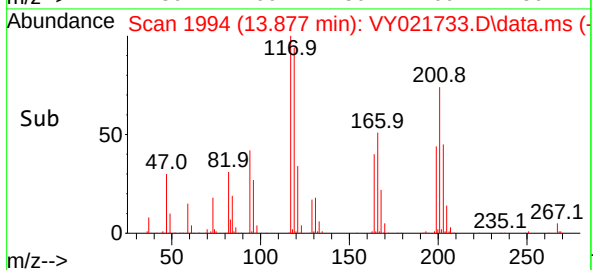
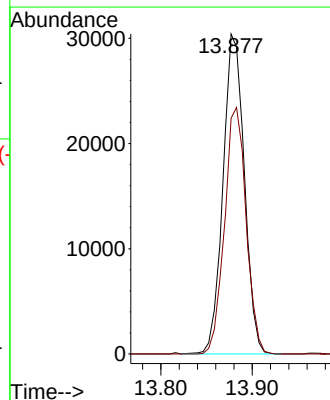
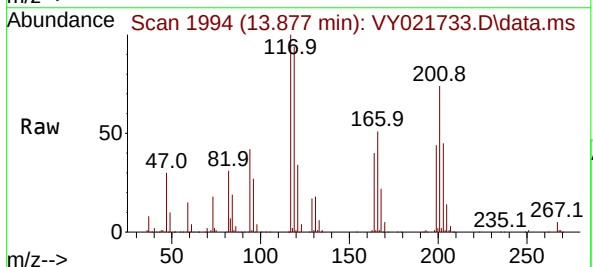
Acq: 01 Apr 2025 11:30

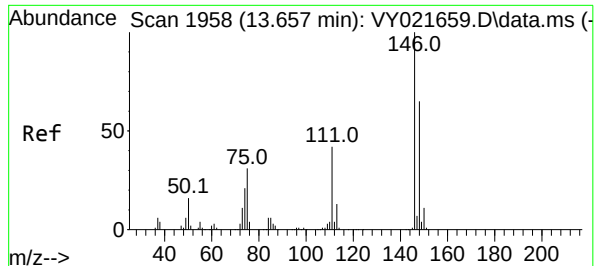
Tgt Ion:117 Resp: 49366

Ion Ratio Lower Upper

117 100

201 77.9 37.4 112.1





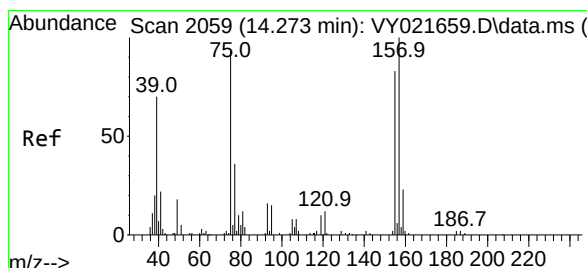
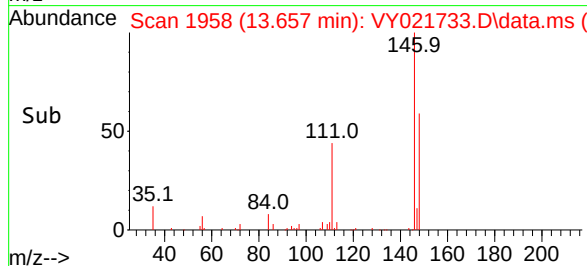
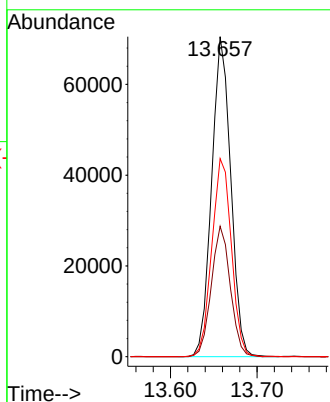
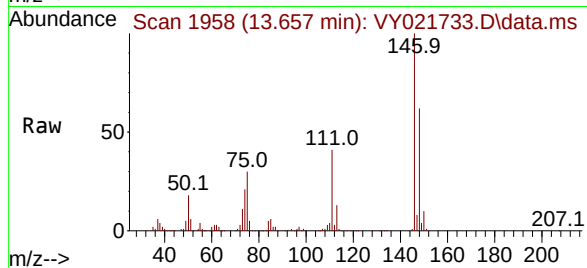
#91
1,2-Dichlorobenzene
Concen: 19.725 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tgt Ion:146 Resp: 107999
Ion Ratio Lower Upper
146 100
111 40.5 20.7 62.1
148 63.5 32.3 96.9

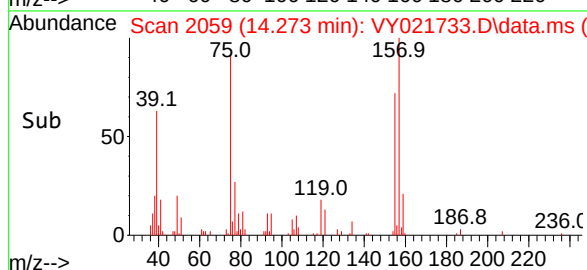
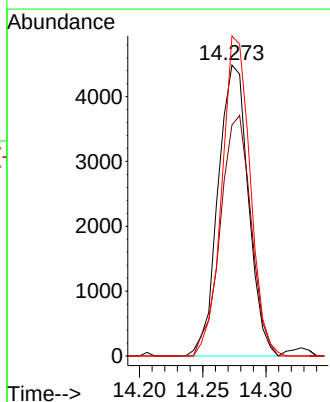
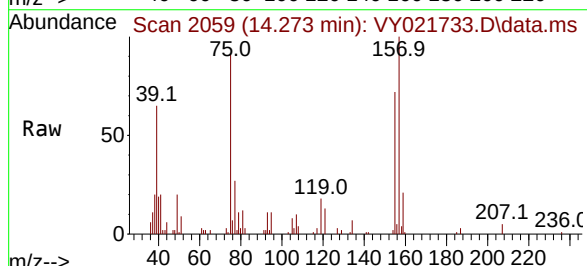
Manual Integrations
APPROVED

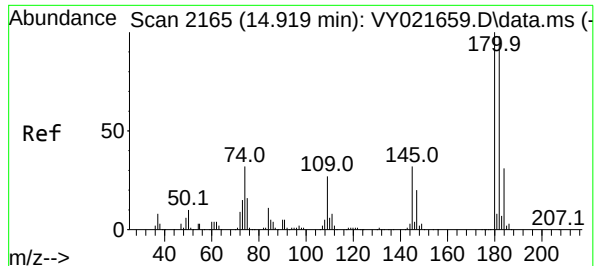
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.121 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021733.D
Acq: 01 Apr 2025 11:30

Tgt Ion: 75 Resp: 7455
Ion Ratio Lower Upper
75 100
155 83.7 43.0 128.8
157 102.8 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 19.209 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tgt Ion:180 Resp: 5703

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

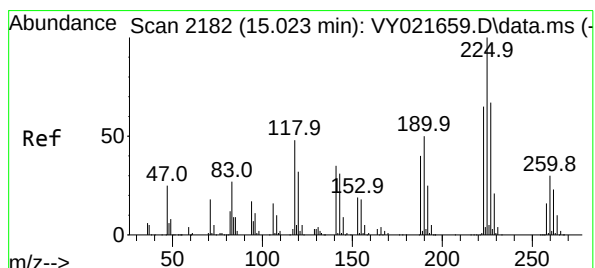
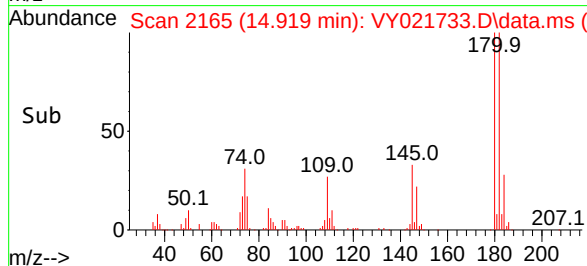
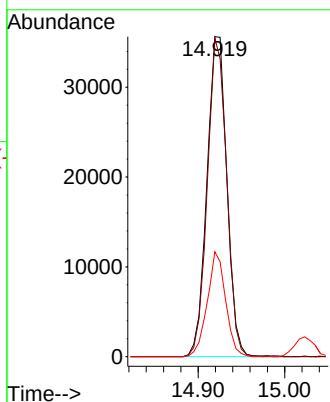
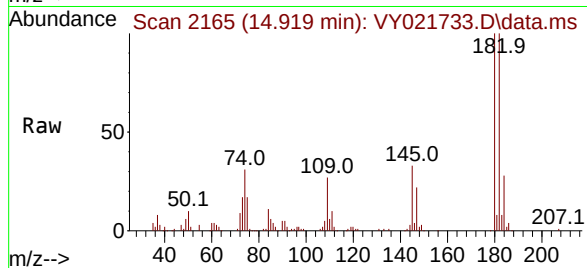
145 30.2 14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#94

Hexachlorobutadiene

Concen: 20.252 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

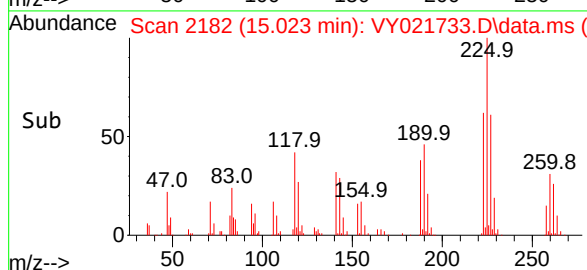
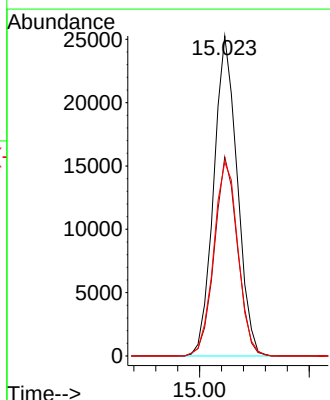
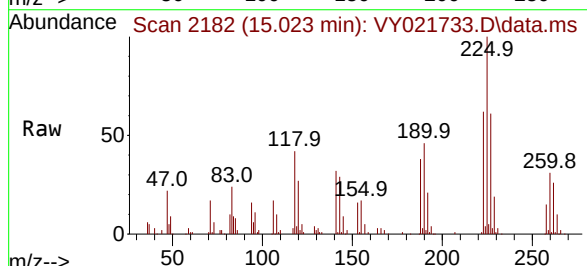
Tgt Ion:225 Resp: 37553

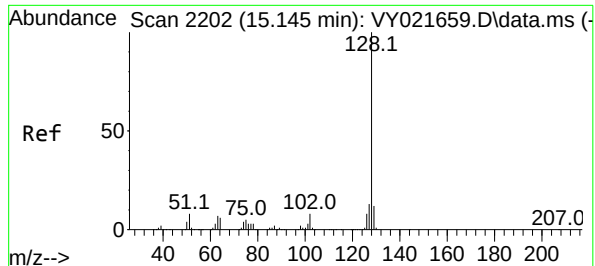
Ion Ratio Lower Upper

225 100

223 61.3 31.9 95.7

227 62.8 32.4 97.0





#95

Naphthalene

Concen: 18.388 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

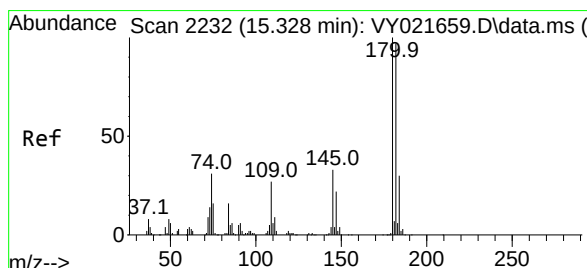
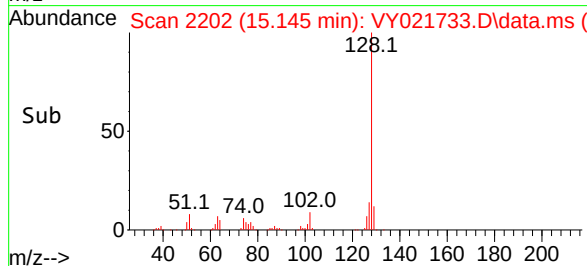
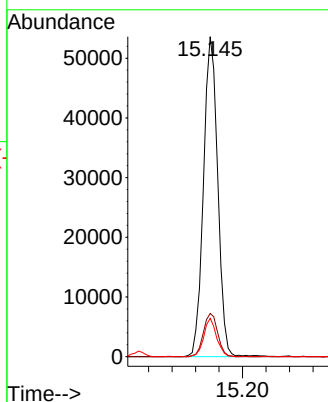
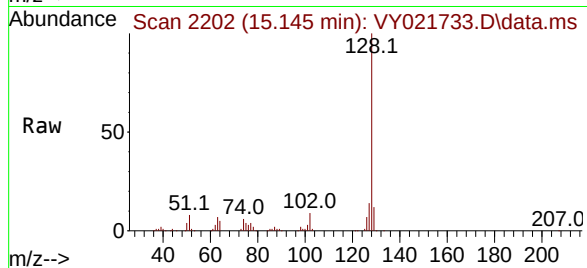
Tgt Ion:	128	Resp:	90494
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	10.8	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/02/2025

Supervised By :Mahesh Dadoda 04/02/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.008 ug/l

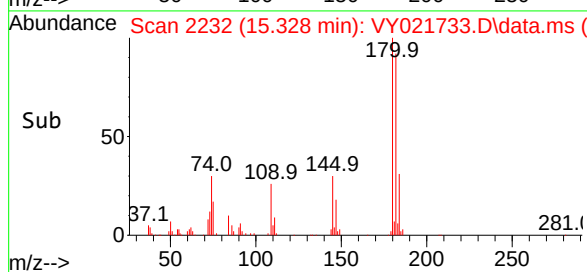
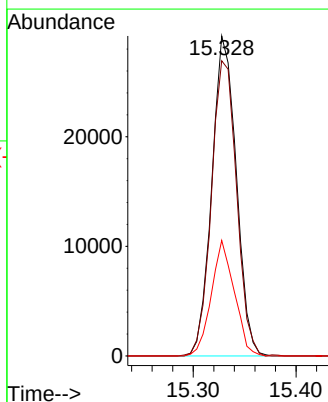
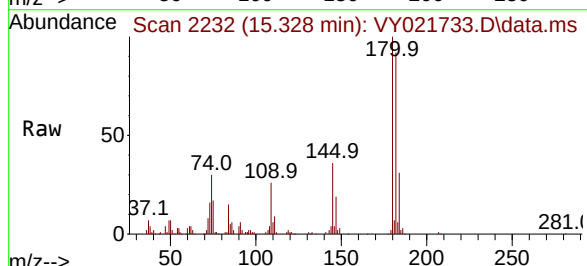
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021733.D

Acq: 01 Apr 2025 11:30

Tgt Ion:	180	Resp:	48126
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	34.0	15.9	47.7



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	88.8		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0331SBSD01		SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	88.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		70 (70) - 130 (134)	113%	SPK: 50
2037-26-5	Toluene-d8	56.6		70 (74) - 130 (123)	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		70 (38) - 130 (136)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214000	7.707			
540-36-3	1,4-Difluorobenzene	331000	8.615			
3114-55-4	Chlorobenzene-d5	291000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.346			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0331SBSD01		SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021713.D
 Acq On : 31 Mar 2025 12:06
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:34:59 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	214172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	331290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150013	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	125981	54.291	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.580%	
35) Dibromofluoromethane	7.634	113	121317	56.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.900%	
50) Toluene-d8	10.109	98	462747	56.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.200%	
62) 4-Bromofluorobenzene	12.407	95	151475	54.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.560%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	43626	19.653	ug/l	98
3) Chloromethane	2.068	50	60316	19.323	ug/l	98
4) Vinyl Chloride	2.202	62	67633	19.159	ug/l	95
5) Bromomethane	2.586	94	49205	20.437	ug/l	95
6) Chloroethane	2.732	64	44019	19.057	ug/l	95
7) Trichlorofluoromethane	3.056	101	88007	19.462	ug/l	99
8) Diethyl Ether	3.452	74	22584	18.365	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	47657	19.982	ug/l	97
10) Methyl Iodide	4.000	142	48259	18.444	ug/l	100
11) Tert butyl alcohol	4.860	59	12945	85.887	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	43832	19.512	ug/l	97
13) Acrolein	3.653	56	20950	76.124	ug/l	100
14) Allyl chloride	4.385	41	68559	19.141	ug/l	99
15) Acrylonitrile	5.055	53	47958	93.401	ug/l	100
16) Acetone	3.866	43	41350	87.069	ug/l	98
17) Carbon Disulfide	4.104	76	138743	18.751	ug/l	99
18) Methyl Acetate	4.385	43	21339	18.130	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105013	18.776	ug/l	98
20) Methylene Chloride	4.616	84	52448	20.269	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	47808	19.329	ug/l	98
22) Diisopropyl ether	6.018	45	148556	19.772	ug/l	99
23) Vinyl Acetate	5.957	43	413157	93.995	ug/l	100
24) 1,1-Dichloroethane	5.915	63	89165	19.846	ug/l	99
25) 2-Butanone	6.896	43	60244	88.813	ug/l	99
26) 2,2-Dichloropropane	6.884	77	79081	19.788	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55430	19.928	ug/l	98
28) Bromochloromethane	7.238	49	37974	20.041	ug/l	99
29) Tetrahydrofuran	7.262	42	38304	87.740	ug/l	98
30) Chloroform	7.421	83	93099	19.923	ug/l	100
31) Cyclohexane	7.695	56	78108	19.072	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82975	19.646	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65580	20.035	ug/l	99
37) Ethyl Acetate	6.982	43	27891	18.055	ug/l	98
38) Carbon Tetrachloride	7.817	117	74942	19.990	ug/l	99
39) Methylcyclohexane	9.109	83	76173	19.480	ug/l	98
40) Benzene	8.079	78	195801	19.974	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021713.D
 Acq On : 31 Mar 2025 12:06
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:34:59 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	7.226	41	14249	17.368	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	55480	20.076	ug/l	99
43) Isopropyl Acetate	8.195	43	54406	18.584	ug/l	99
44) Trichloroethene	8.865	130	50660	20.283	ug/l	95
45) 1,2-Dichloropropane	9.140	63	46503	20.041	ug/l	95
46) Dibromomethane	9.231	93	26540	19.846	ug/l	97
47) Bromodichloromethane	9.420	83	69415	20.032	ug/l	99
48) Methyl methacrylate	9.219	41	24181	17.997	ug/l	98
49) 1,4-Dioxane	9.231	88	5551	387.486	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	141241	92.710	ug/l	99
52) Toluene	10.170	92	125988	20.600	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58898	19.136	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	71708	19.749	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	34693	20.160	ug/l	97
56) Ethyl methacrylate	10.438	69	40781	18.559	ug/l	99
57) 1,3-Dichloropropane	10.719	76	58702	19.751	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	103179	96.251	ug/l	100
59) 2-Hexanone	10.761	43	89744	88.452	ug/l	98
60) Dibromochloromethane	10.908	129	46463	19.775	ug/l	98
61) 1,2-Dibromoethane	11.018	107	32020	19.835	ug/l	99
64) Tetrachloroethene	10.646	164	54754	20.648	ug/l	97
65) Chlorobenzene	11.438	112	133977	20.074	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	48015	20.276	ug/l	100
67) Ethyl Benzene	11.517	91	229825	20.081	ug/l	99
68) m/p-Xylenes	11.627	106	175372	40.016	ug/l	100
69) o-Xylene	11.956	106	79832	19.734	ug/l	98
70) Styrene	11.969	104	134656	19.963	ug/l	99
71) Bromoform	12.133	173	26804	19.844	ug/l #	100
73) Isopropylbenzene	12.255	105	213911	19.199	ug/l	100
74) N-amyl acetate	12.072	43	45399	17.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36917	18.429	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	28085m	18.887	ug/l	
77) Bromobenzene	12.529	156	53109	19.852	ug/l	96
78) n-propylbenzene	12.596	91	262582	19.602	ug/l	100
79) 2-Chlorotoluene	12.682	91	154163	19.815	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	180420	19.813	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11833	18.336	ug/l	98
82) 4-Chlorotoluene	12.779	91	158827	19.581	ug/l	99
83) tert-Butylbenzene	12.999	119	156181	19.256	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	176963	19.662	ug/l	98
85) sec-Butylbenzene	13.176	105	231582	19.537	ug/l	100
86) p-Isopropyltoluene	13.291	119	192703	19.670	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	105477	20.012	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	101406	19.473	ug/l	97
89) n-Butylbenzene	13.621	91	174870	19.301	ug/l	99
90) Hexachloroethane	13.883	117	41057	19.124	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	90863	19.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5726	18.442	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	46190	18.564	ug/l	97
94) Hexachlorobutadiene	15.023	225	31077	19.999	ug/l	98
95) Naphthalene	15.145	128	71488	17.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	40094	18.897	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:34:59 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)

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

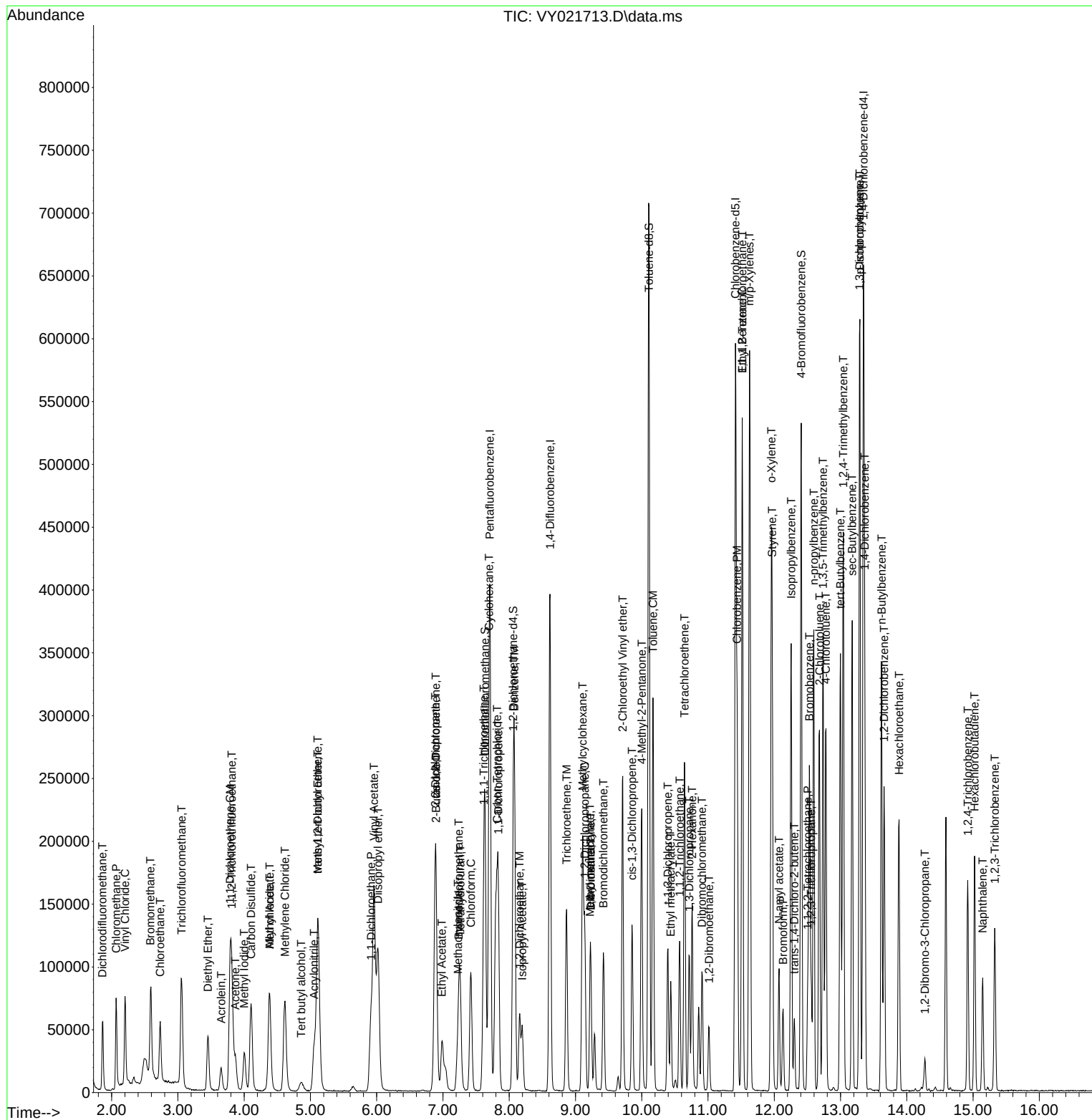
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 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 5 Sample Multiplier: 1

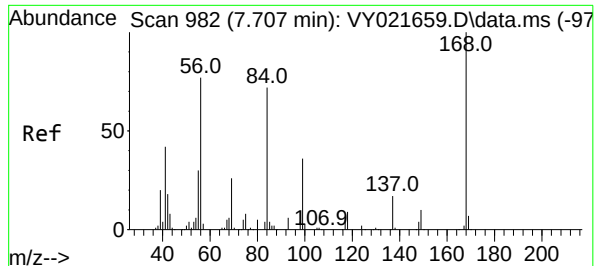
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

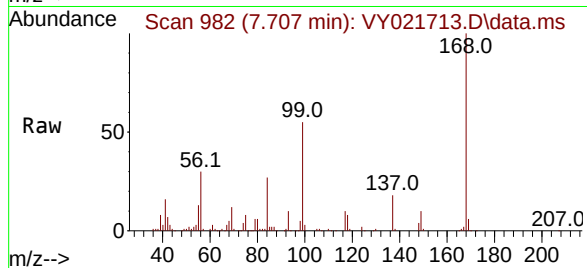
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 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

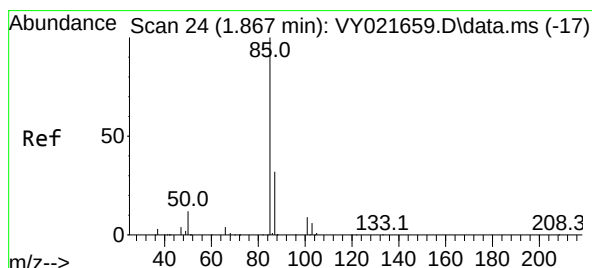
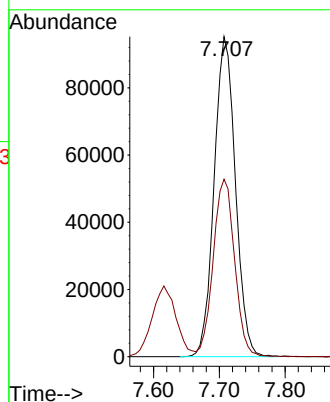
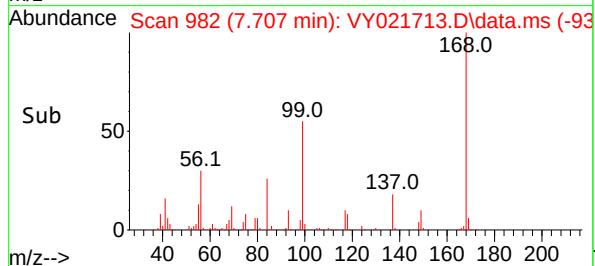
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion:168 Resp: 214172
Ion Ratio Lower Upper
168 100
99 55.3 46.7 70.1

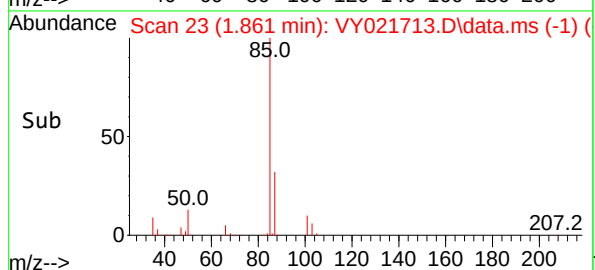
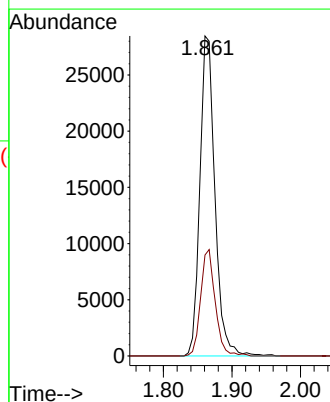
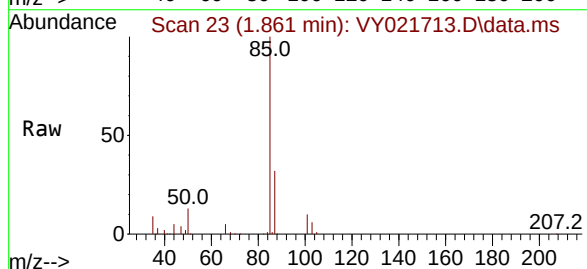
Manual Integrations
APPROVED

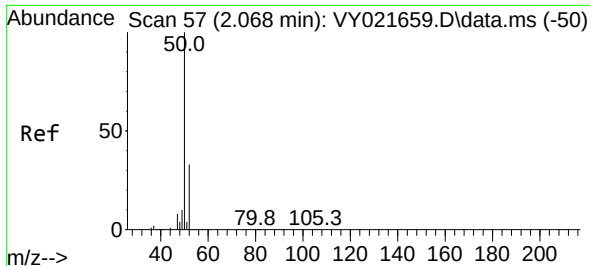
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#2
Dichlorodifluoromethane
Concen: 19.653 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 85 Resp: 43626
Ion Ratio Lower Upper
85 100
87 31.6 16.2 48.6





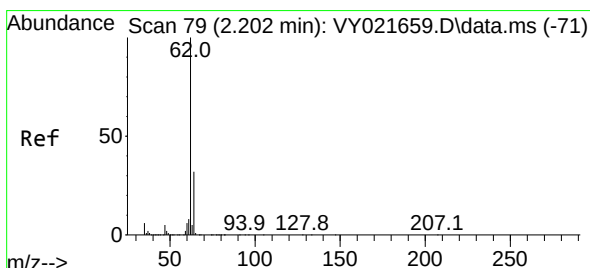
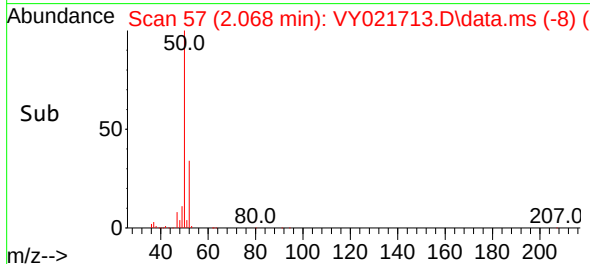
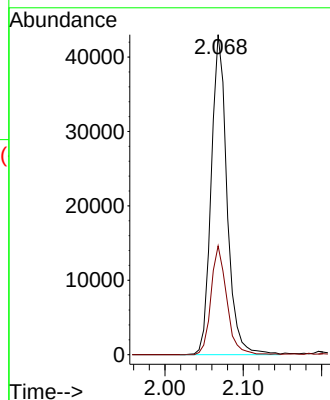
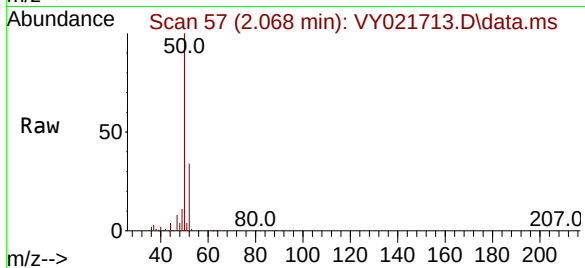
#3
Chloromethane
Concen: 19.323 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 50 Resp: 60310
Ion Ratio Lower Upper
50 100
52 34.0 26.3 39.5

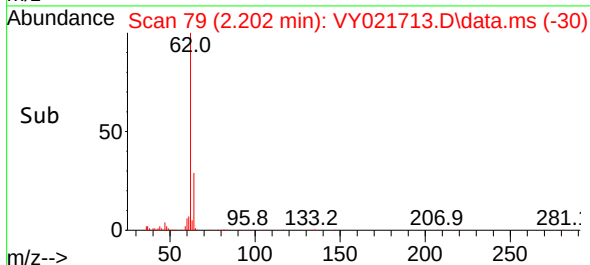
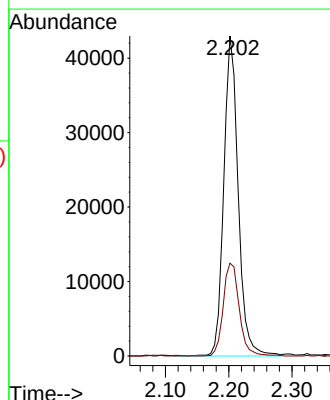
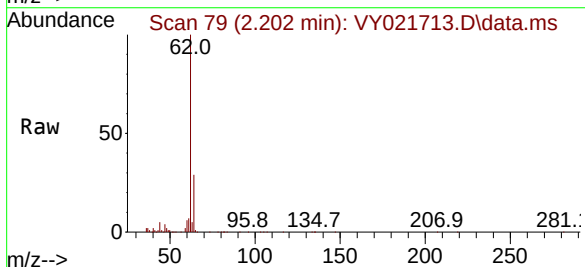
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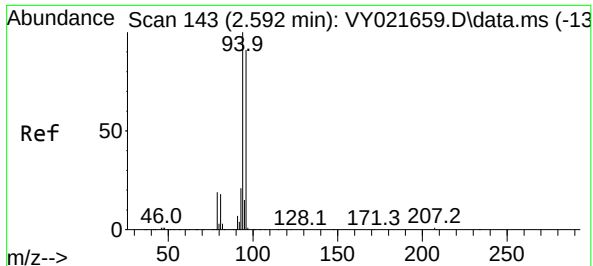
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#4
Vinyl Chloride
Concen: 19.159 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 62 Resp: 67633
Ion Ratio Lower Upper
62 100
64 28.8 25.5 38.3





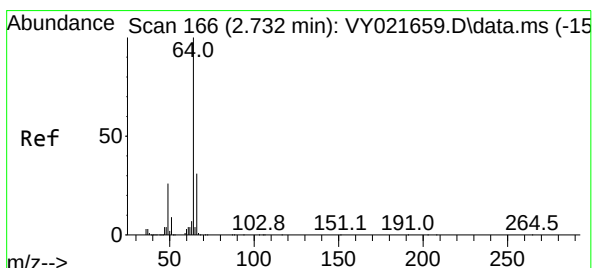
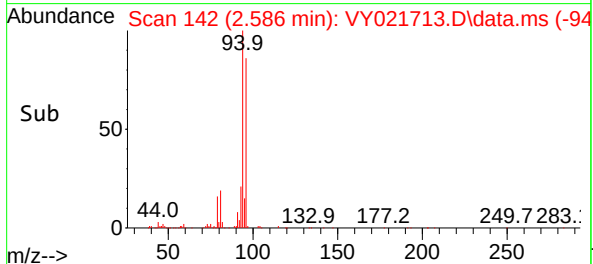
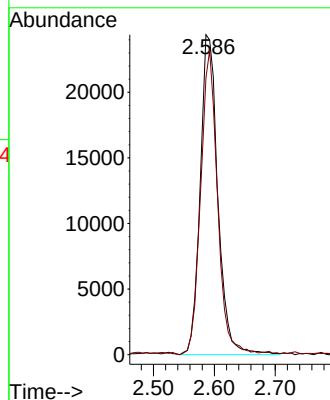
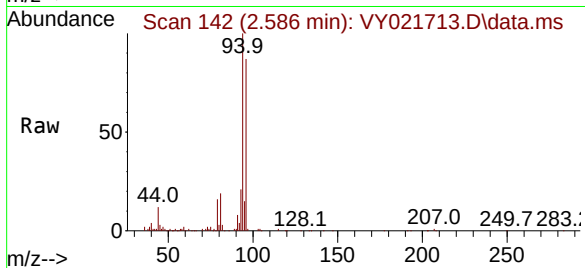
#5
Bromomethane
Concen: 20.437 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 94 Resp: 4920
Ion Ratio Lower Upper
94 100
96 86.5 72.8 109.2

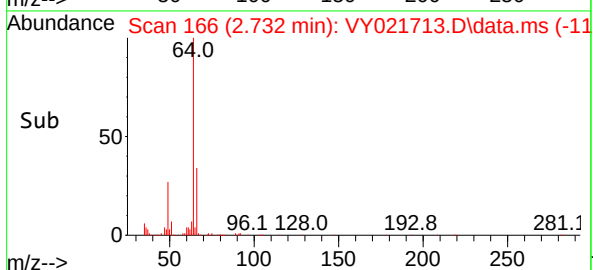
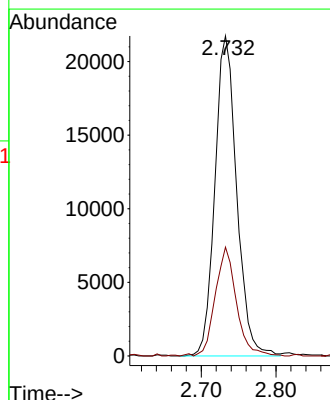
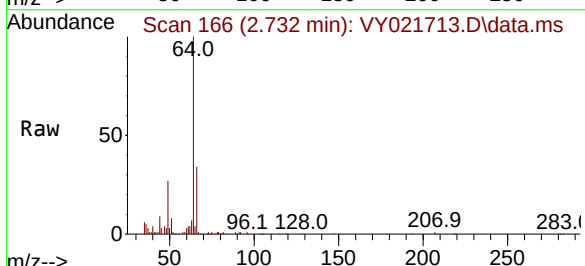
Manual Integrations
APPROVED

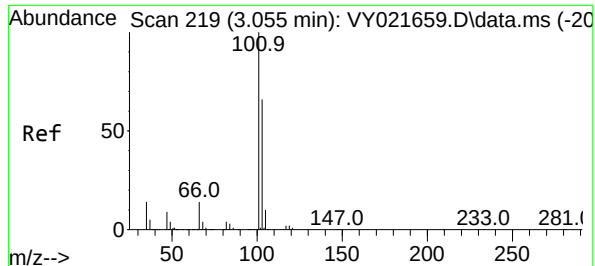
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#6
Chloroethane
Concen: 19.057 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

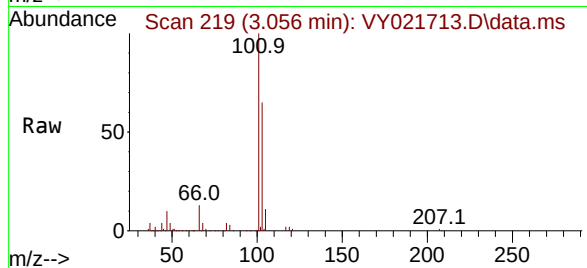
Tgt Ion: 64 Resp: 44019
Ion Ratio Lower Upper
64 100
66 34.0 24.9 37.3





#7
 Trichlorofluoromethane
 Concen: 19.462 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY021713.D
 Acq: 31 Mar 2025 12:06

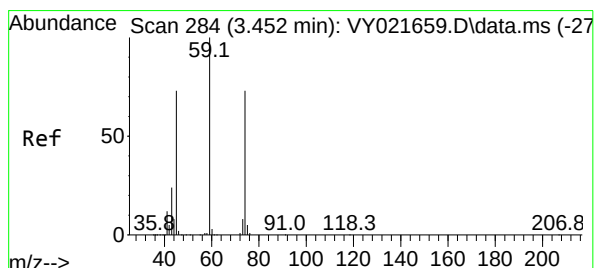
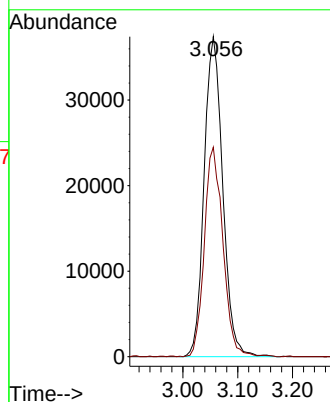
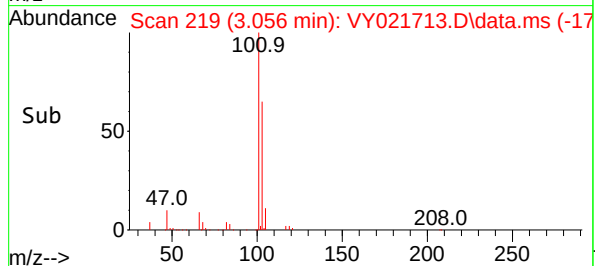
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01



Tgt Ion:101 Resp: 8800
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.1 79.7

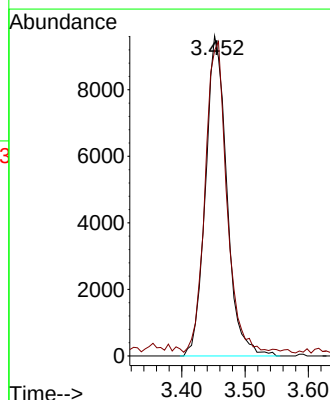
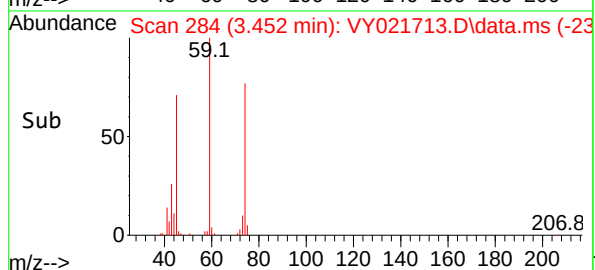
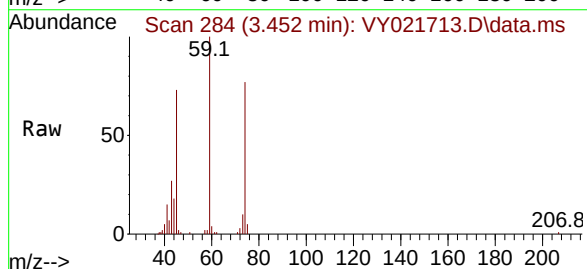
Manual Integrations
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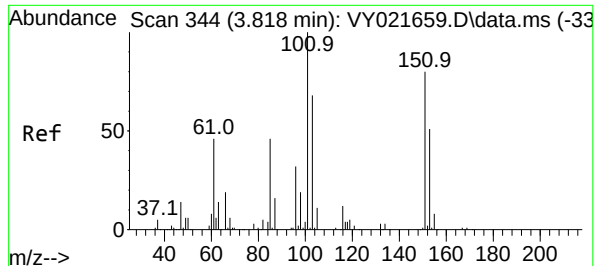
Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025



#8
 Diethyl Ether
 Concen: 18.365 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.000 min
 Lab File: VY021713.D
 Acq: 31 Mar 2025 12:06

Tgt Ion: 74 Resp: 22584
 Ion Ratio Lower Upper
 74 100
 45 97.9 48.6 145.8





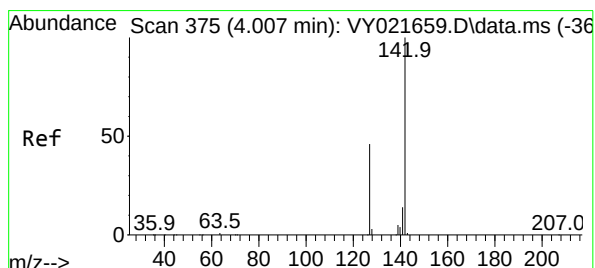
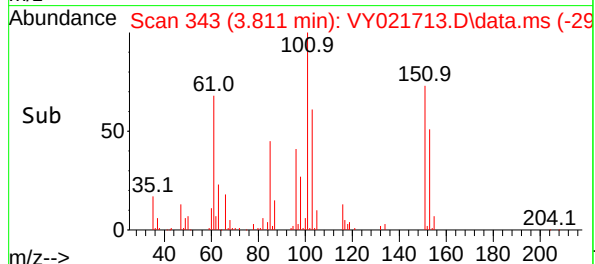
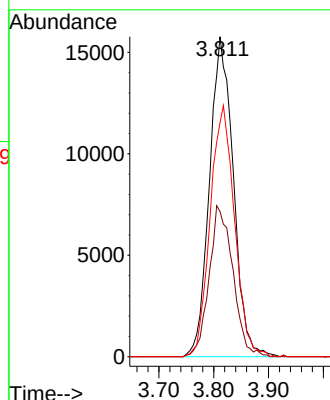
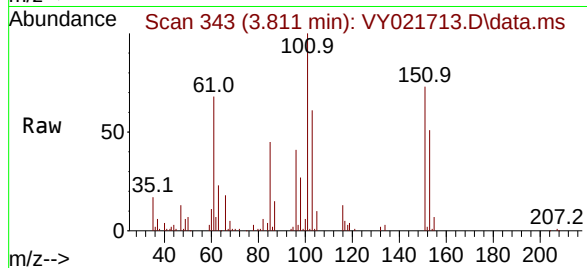
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.982 ug/l
RT: 3.811 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:101 Resp: 4765
Ion Ratio Lower Upper
101 100
85 46.9 36.3 54.5
151 80.1 61.3 91.9

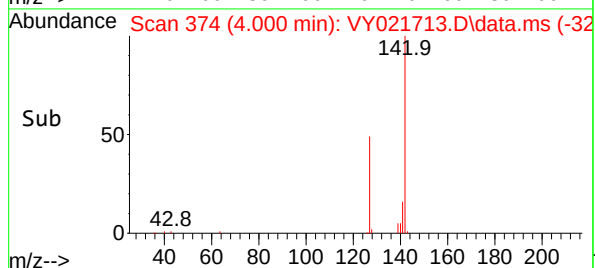
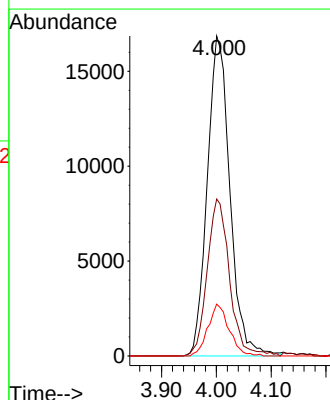
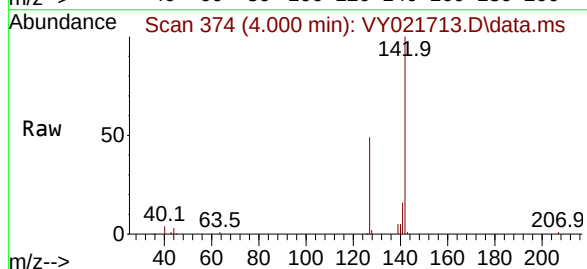
Manual Integrations
APPROVED

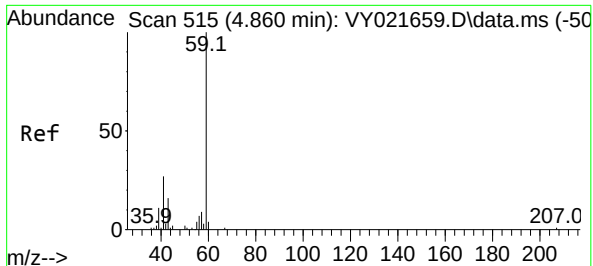
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#10
Methyl Iodide
Concen: 18.444 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion:142 Resp: 48259
Ion Ratio Lower Upper
142 100
127 48.4 38.7 58.1
141 15.2 11.5 17.3





#11

Tert butyl alcohol

Concen: 85.887 ug/l

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 59 Resp: 1294

Ion Ratio Lower Upper

59 100

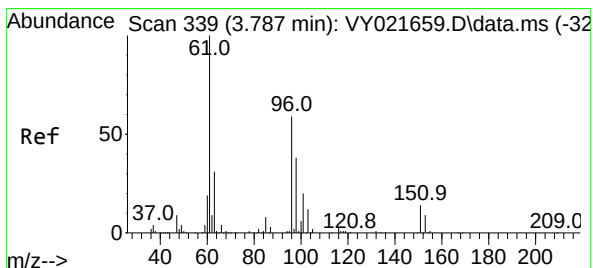
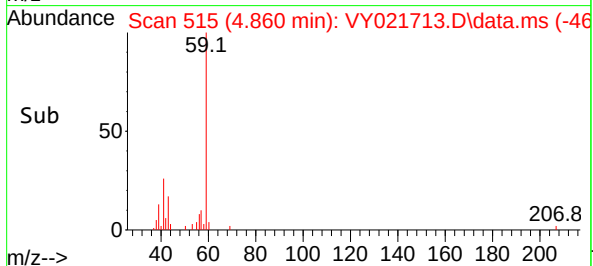
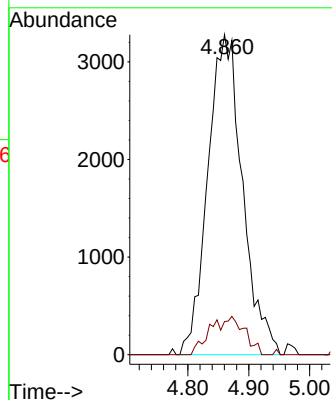
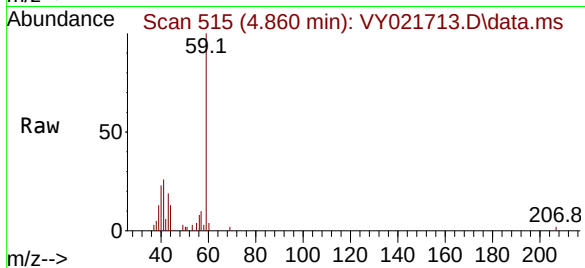
57 6.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#12

1,1-Dichloroethene

Concen: 19.512 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

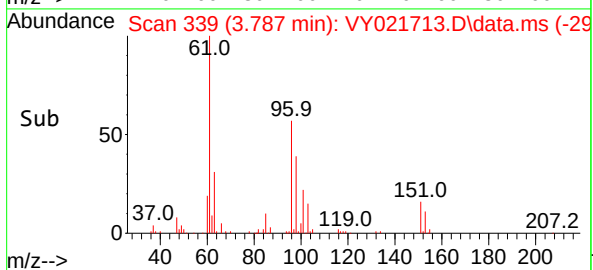
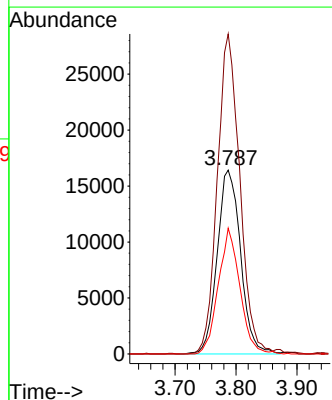
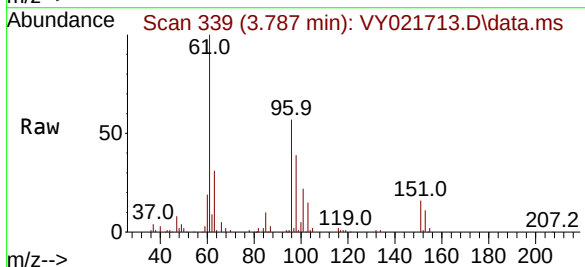
Tgt Ion: 96 Resp: 43832

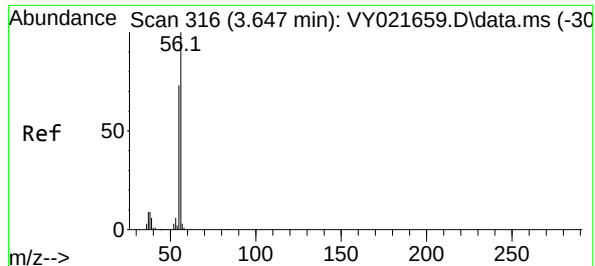
Ion Ratio Lower Upper

96 100

61 174.1 136.6 204.8

98 68.4 52.3 78.5





#13

Acrolein

Concen: 76.124 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021713.D

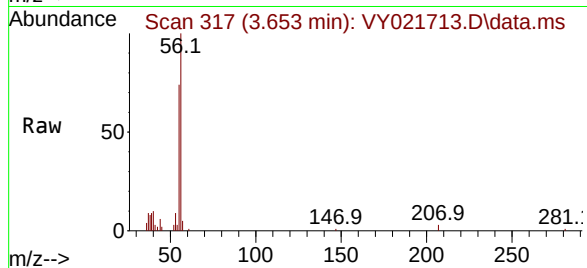
Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01



Tgt Ion: 56 Resp: 20950

Ion Ratio Lower Upper

56 100

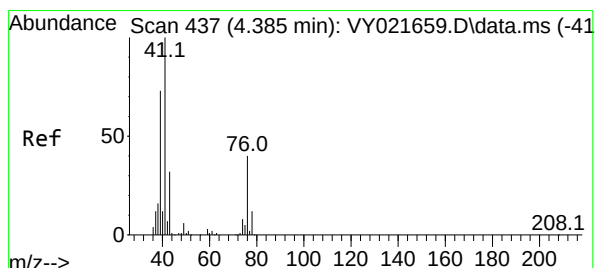
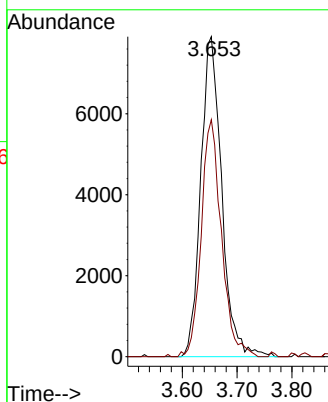
55 71.2 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#14

Allyl chloride

Concen: 19.141 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

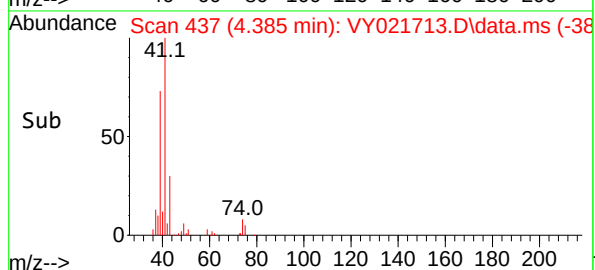
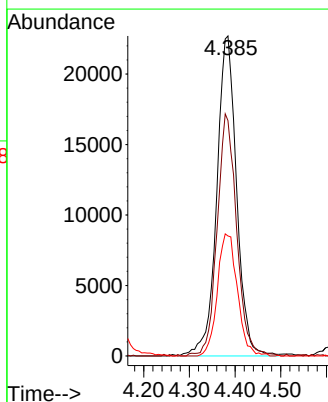
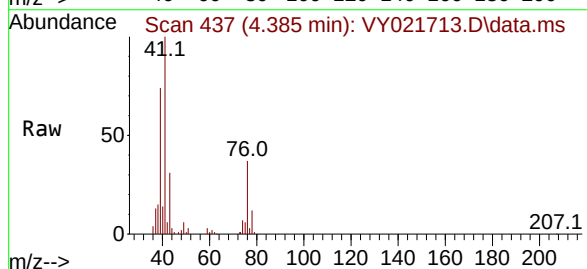
Tgt Ion: 41 Resp: 68559

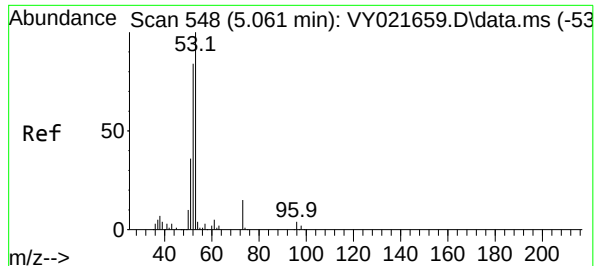
Ion Ratio Lower Upper

41 100

39 74.2 58.6 88.0

76 38.5 30.3 45.5





#15

Acrylonitrile

Concen: 93.401 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 53 Resp: 47958

Ion Ratio Lower Upper

53 100

52 81.6 64.9 97.3

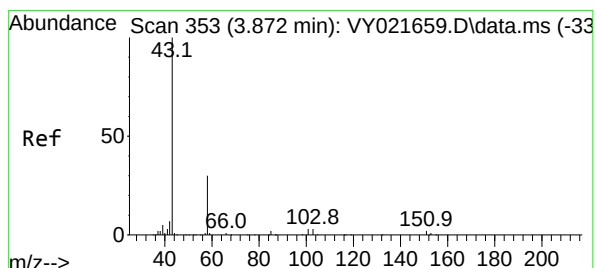
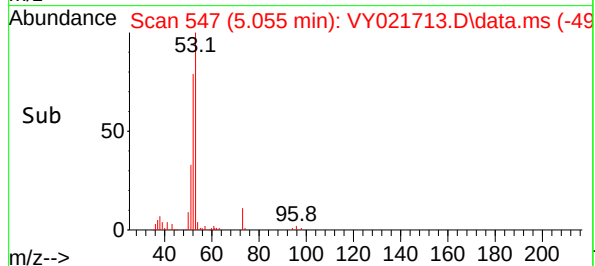
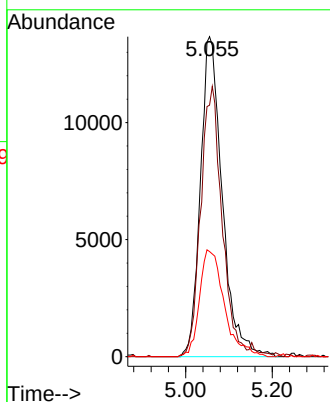
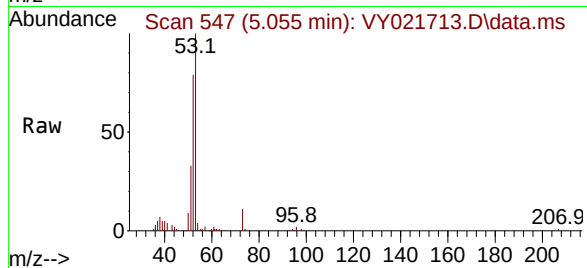
51 37.7 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#16

Acetone

Concen: 87.069 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY021713.D

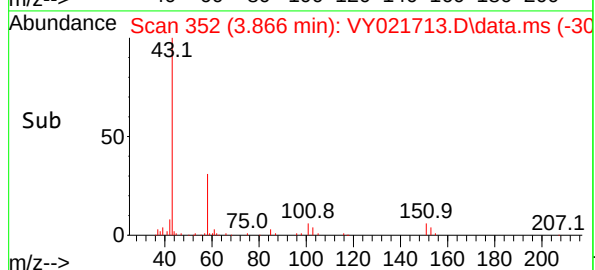
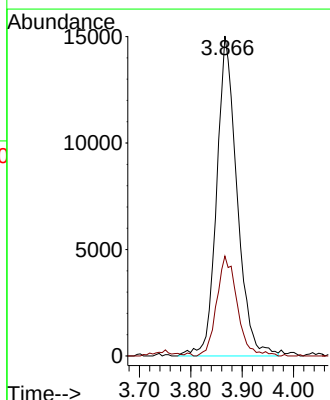
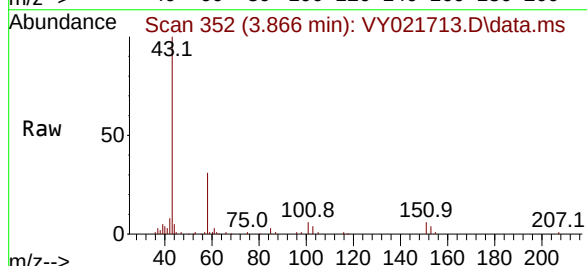
Acq: 31 Mar 2025 12:06

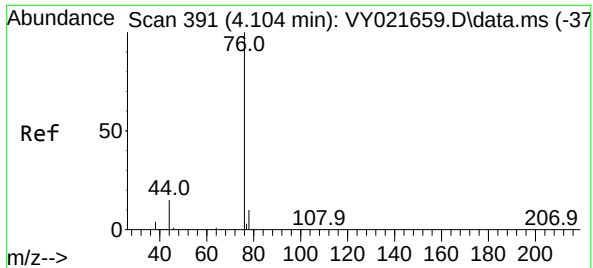
Tgt Ion: 43 Resp: 41350

Ion Ratio Lower Upper

43 100

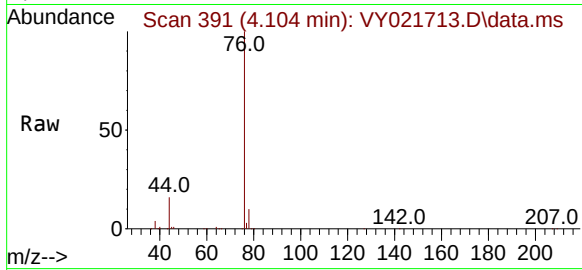
58 31.2 24.2 36.4





#17
Carbon Disulfide
Concen: 18.751 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

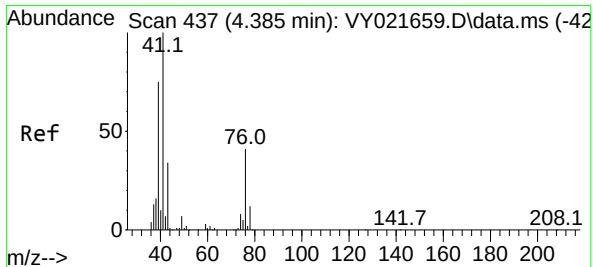
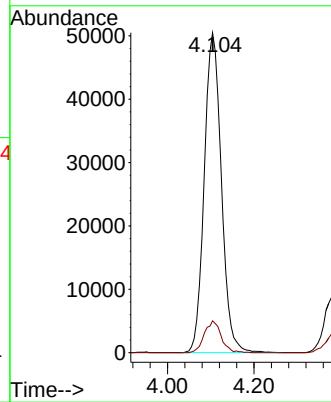
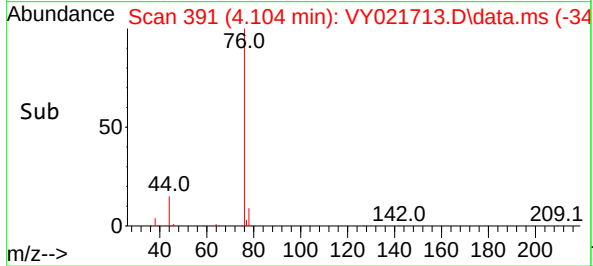
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01



Tgt Ion: 76 Resp: 13874
Ion Ratio Lower Upper
76 100
78 9.9 7.6 11.4

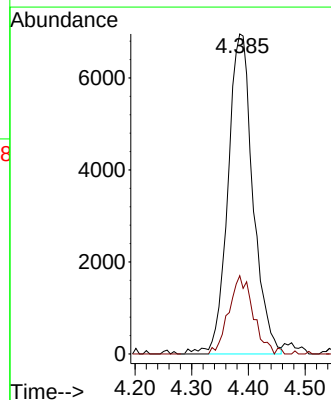
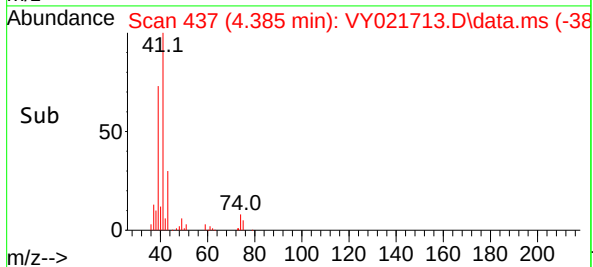
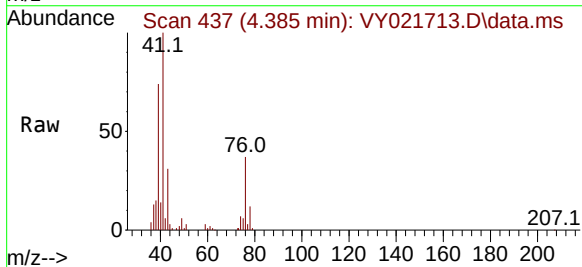
Manual Integrations
APPROVED

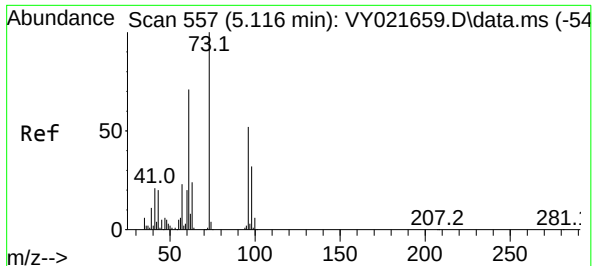
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#18
Methyl Acetate
Concen: 18.130 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 43 Resp: 21339
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.776 ug/l

RT: 5.110 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 73 Resp: 10501

Ion Ratio Lower Upper

73 100

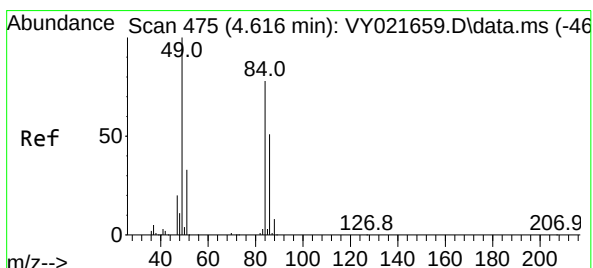
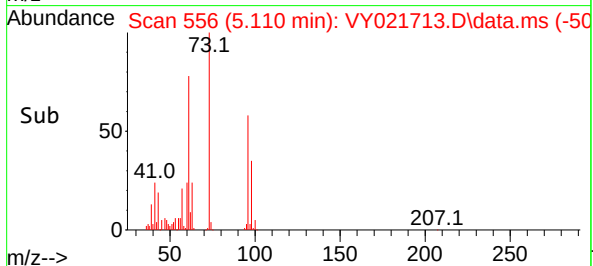
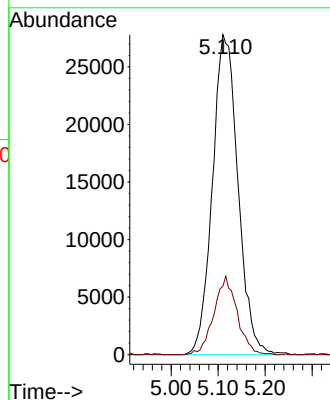
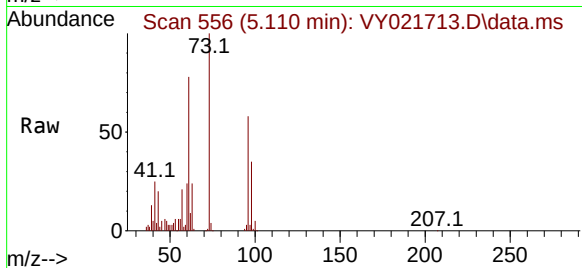
57 21.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#20

Methylene Chloride

Concen: 20.269 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Tgt Ion: 84 Resp: 52448

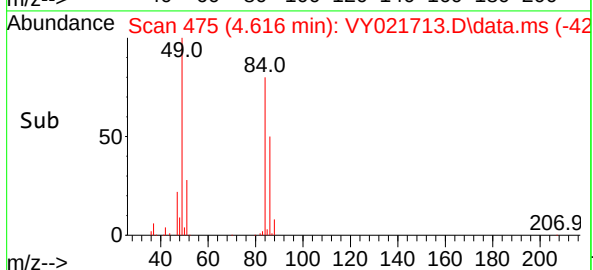
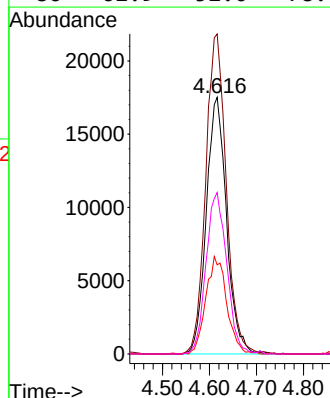
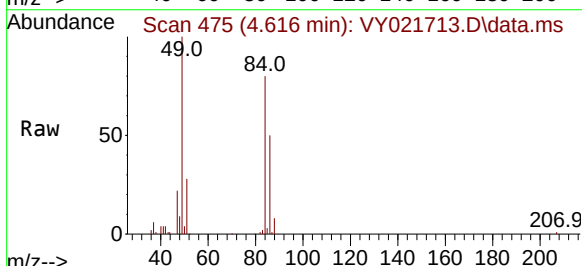
Ion Ratio Lower Upper

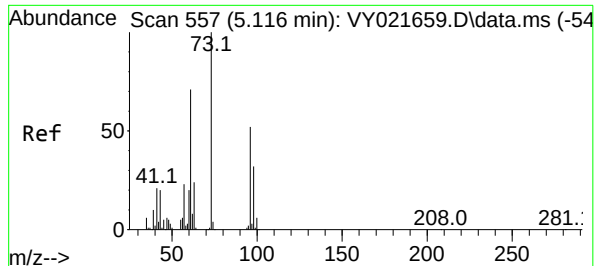
84 100

49 124.7 102.8 154.2

51 34.7 33.5 50.3

86 62.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.329 ug/l

RT: 5.110 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY021713.D

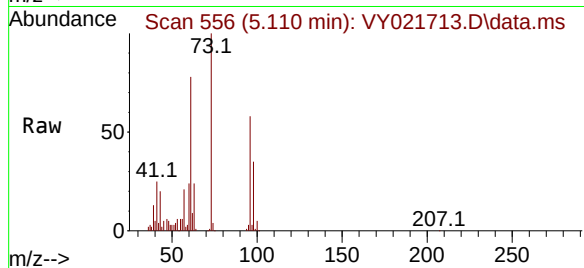
Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01



Tgt Ion: 96 Resp: 47808

Ion Ratio Lower Upper

96 100

61 134.6 109.4 164.0

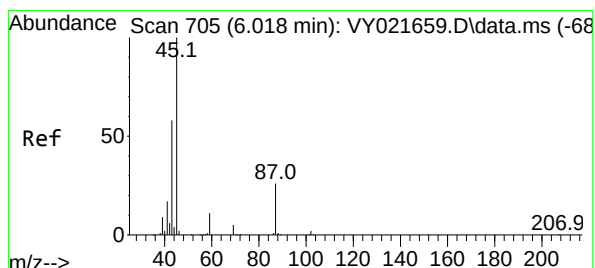
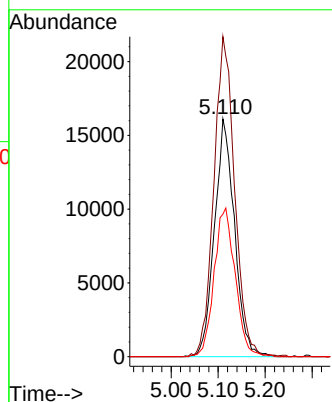
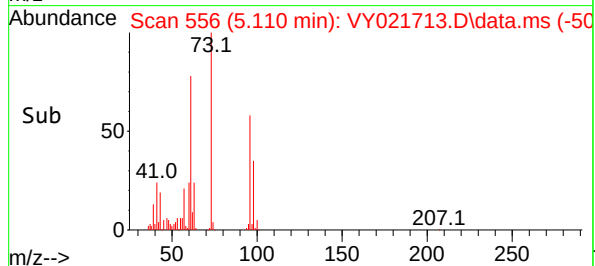
98 60.0 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#22

Diisopropyl ether

Concen: 19.772 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Tgt Ion: 45 Resp: 148556

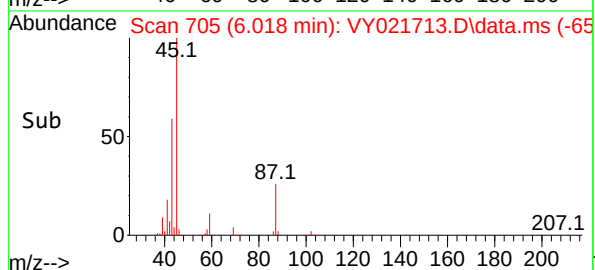
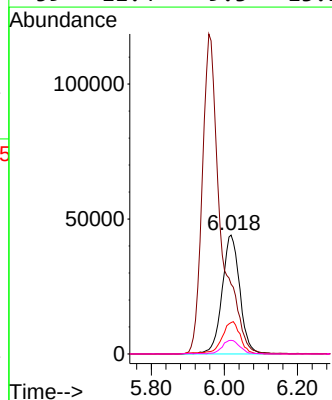
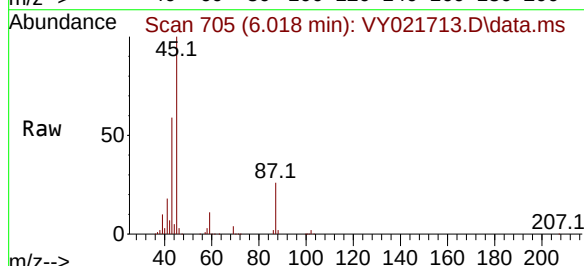
Ion Ratio Lower Upper

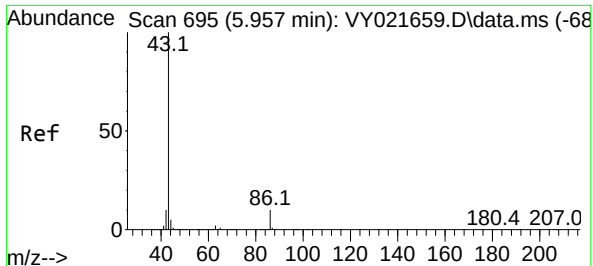
45 100

43 58.6 46.6 69.8

87 26.4 20.7 31.1

59 11.4 9.3 13.9





#23

Vinyl Acetate

Concen: 93.995 ug/l

RT: 5.957 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 41315

Ion Ratio Lower Upper

43

100

86

10.0

8.2

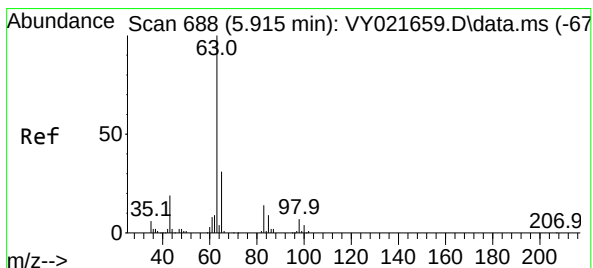
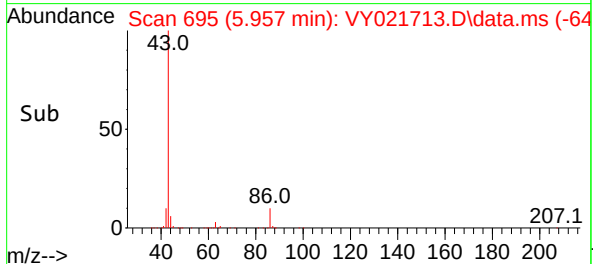
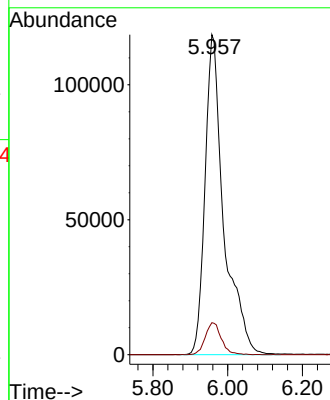
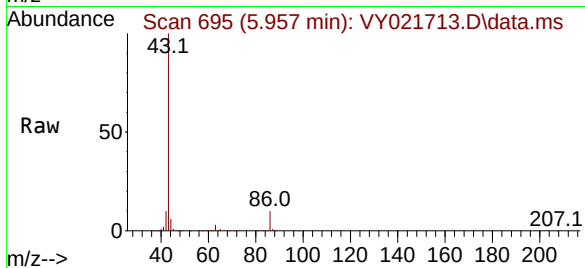
12.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#24

1,1-Dichloroethane

Concen: 19.846 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Tgt Ion: 63 Resp: 89165

Ion Ratio Lower Upper

63

100

98

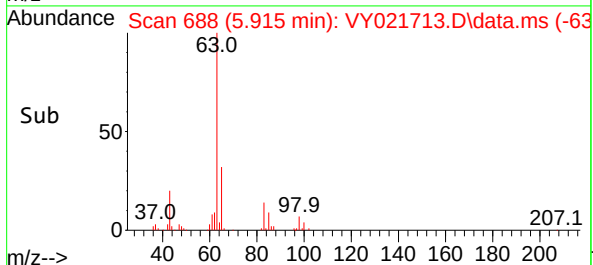
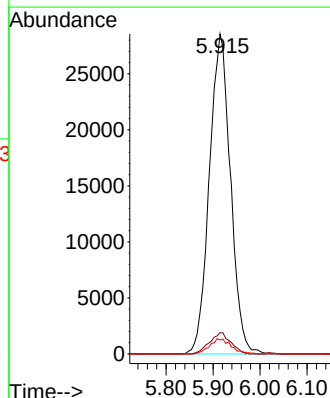
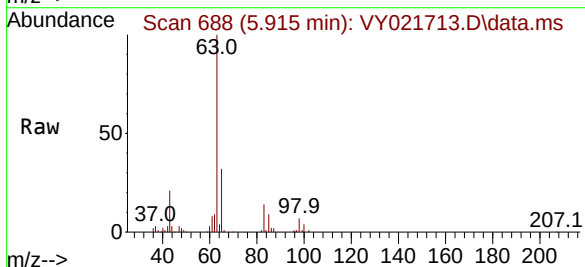
6.6

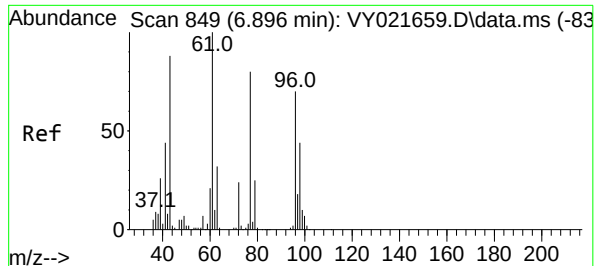
100

4.4

2.2

6.6





#25

2-Butanone

Concen: 88.813 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 60244

Ion Ratio Lower Upper

43 100

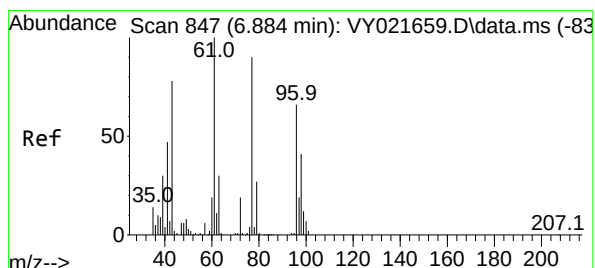
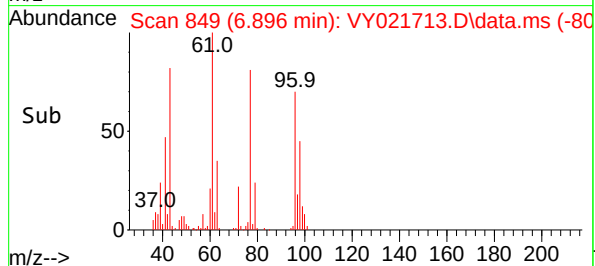
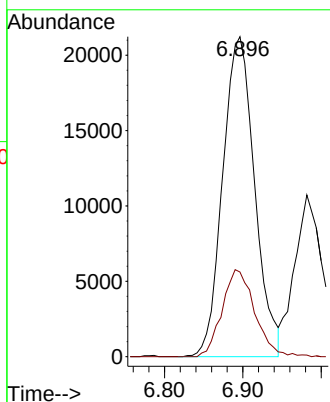
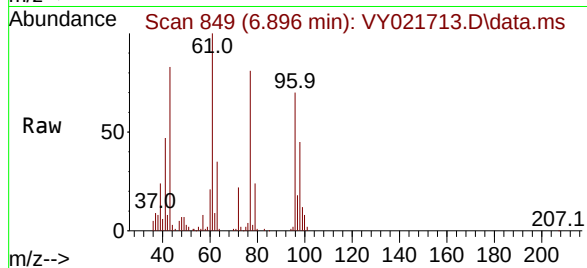
72 26.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#26

2,2-Dichloropropane

Concen: 19.788 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021713.D

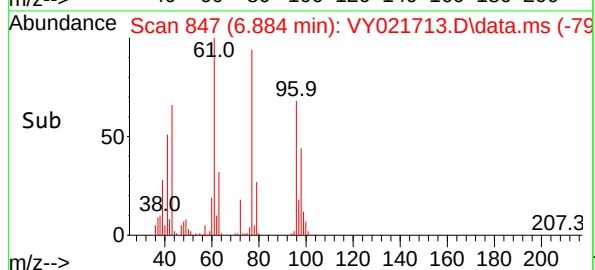
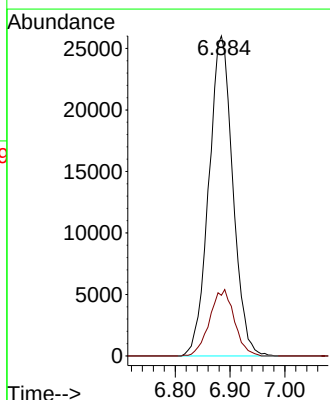
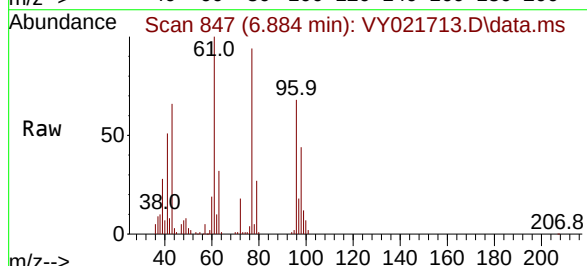
Acq: 31 Mar 2025 12:06

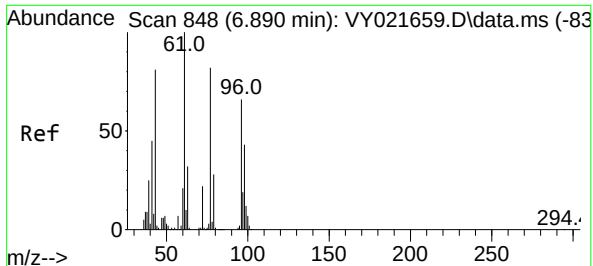
Tgt Ion: 77 Resp: 79081

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.928 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 96 Resp: 55430

Ion Ratio Lower Upper

96 100

61 144.0 0.0 296.4

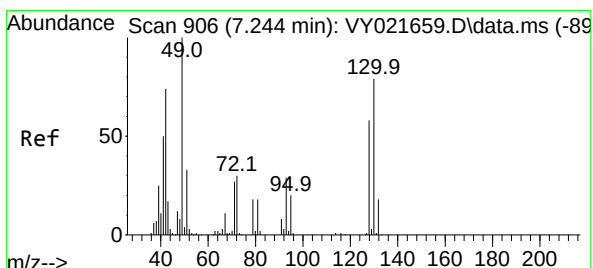
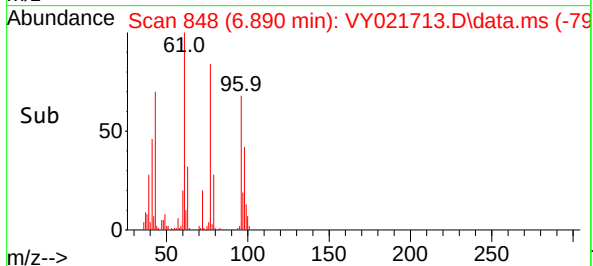
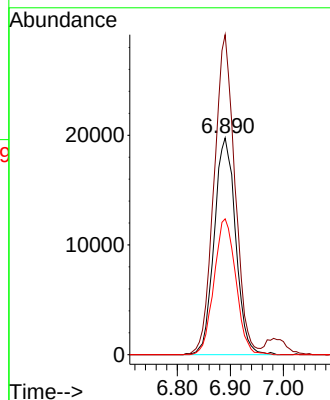
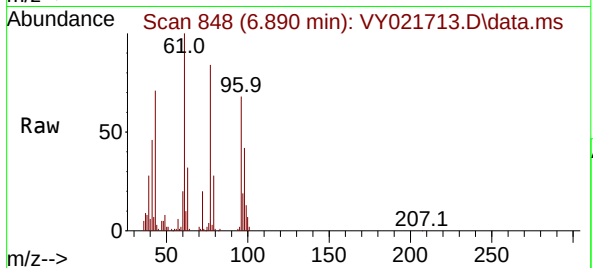
98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#28

Bromochloromethane

Concen: 20.041 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

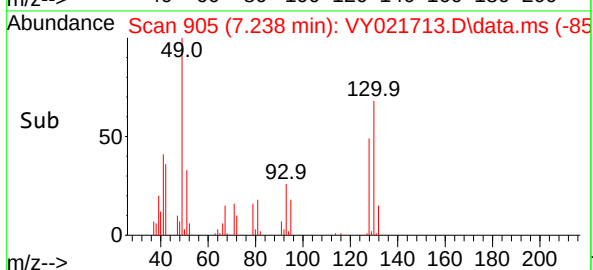
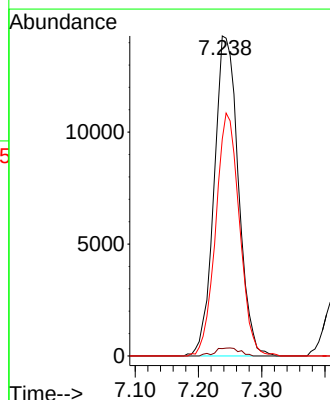
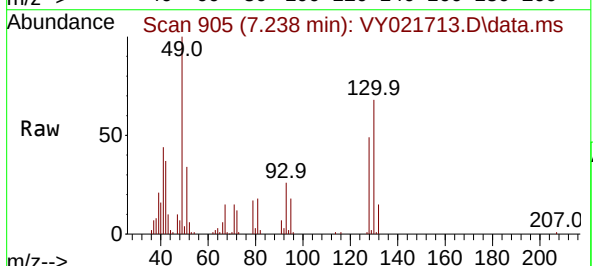
Tgt Ion: 49 Resp: 37974

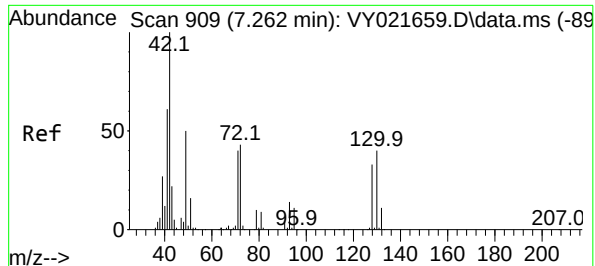
Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.4

130 74.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 87.740 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 42 Resp: 38304

Ion Ratio Lower Upper

42 100

72 43.2 34.6 52.0

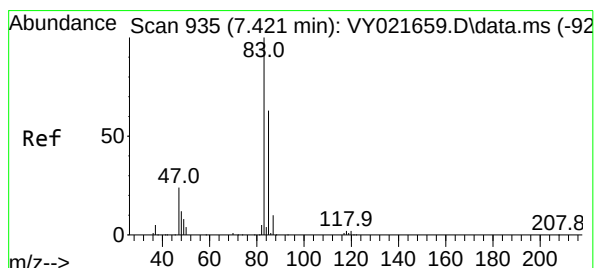
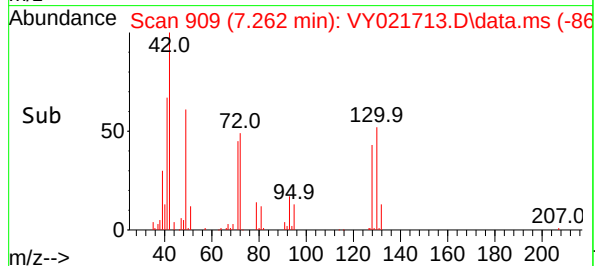
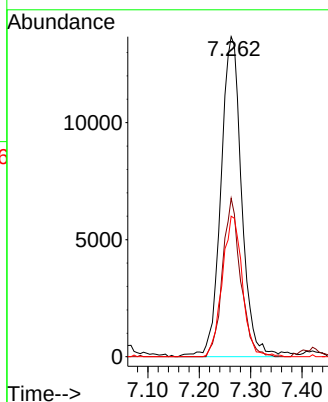
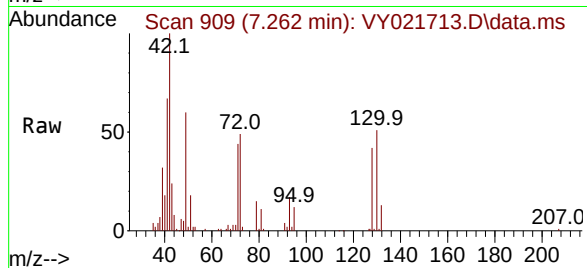
71 42.8 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#30

Chloroform

Concen: 19.923 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY021713.D

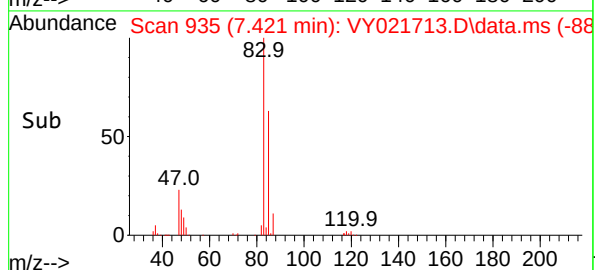
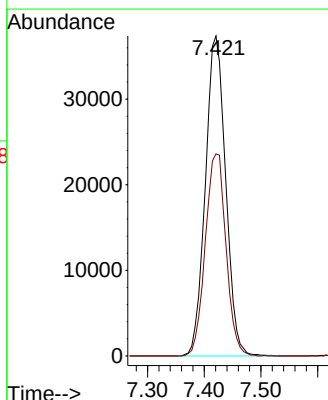
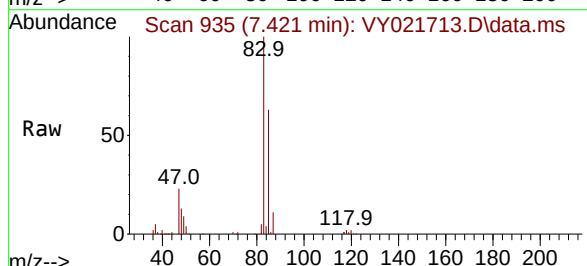
Acq: 31 Mar 2025 12:06

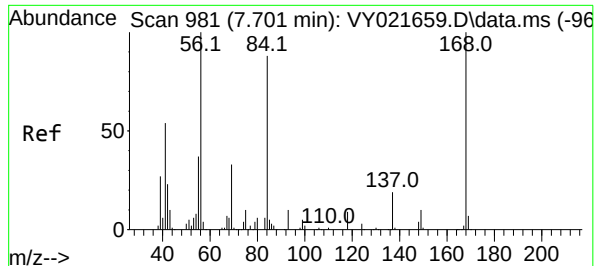
Tgt Ion: 83 Resp: 93099

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8





#31

Cyclohexane

Concen: 19.072 ug/l

RT: 7.695 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 56 Resp: 78108

Ion Ratio Lower Upper

56 100

69 38.0 26.6 40.0

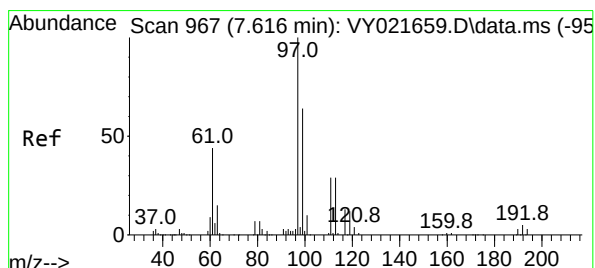
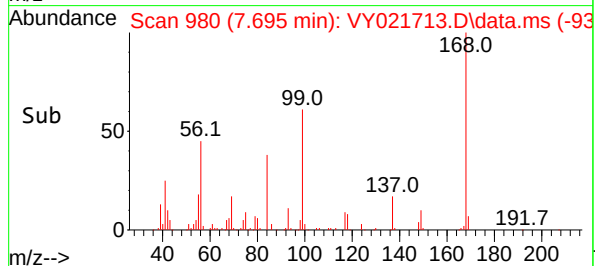
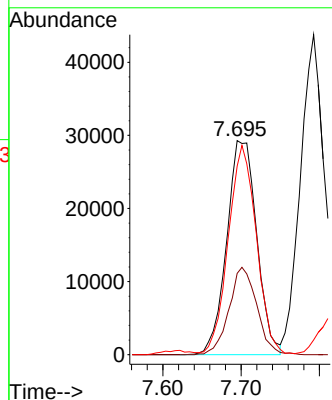
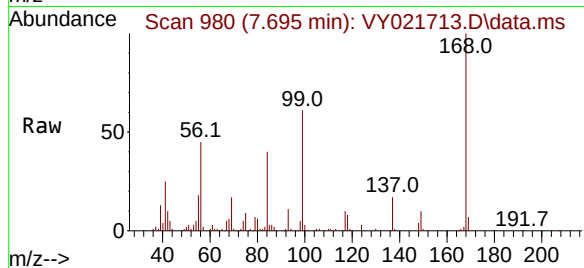
84 86.1 69.0 103.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#32

1,1,1-Trichloroethane

Concen: 19.646 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

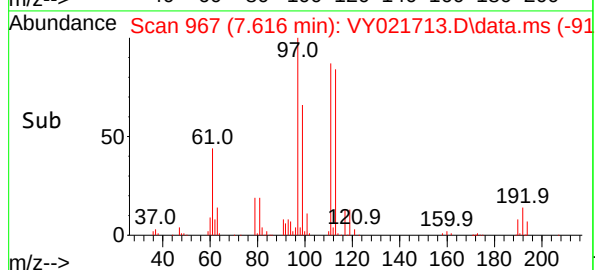
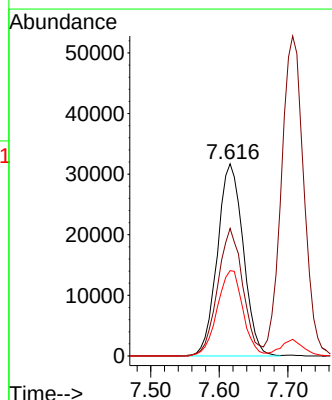
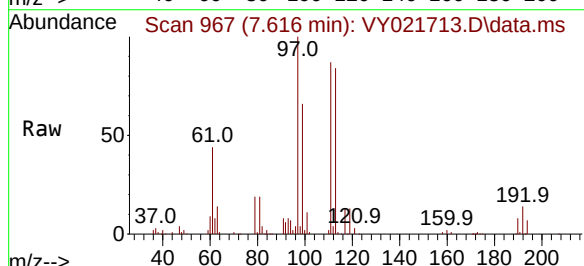
Tgt Ion: 97 Resp: 82975

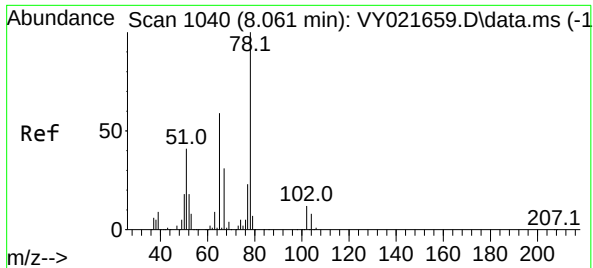
Ion Ratio Lower Upper

97 100

99 65.1 50.7 76.1

61 44.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 54.291 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 65 Resp: 12598

Ion Ratio Lower Upper

65 100

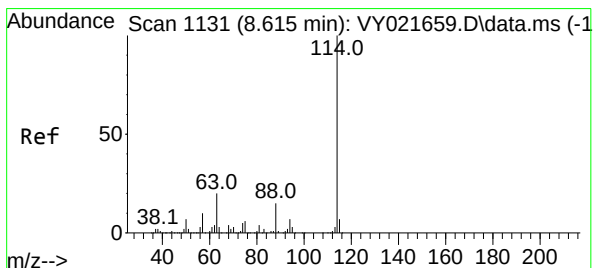
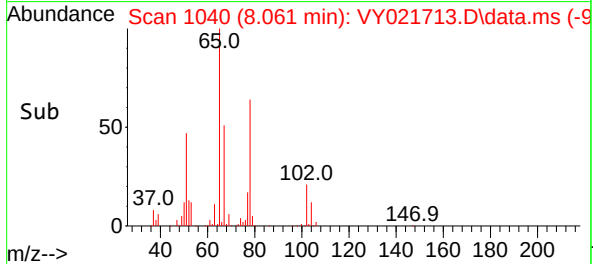
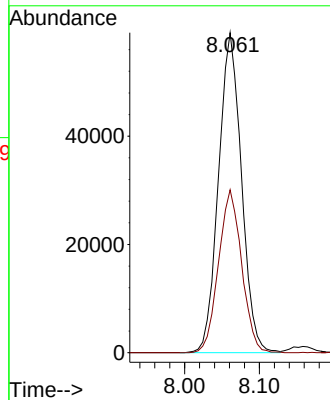
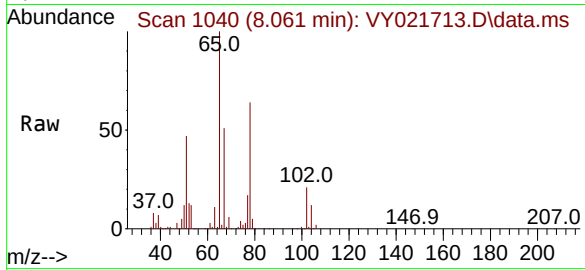
67 51.3 0.0 104.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

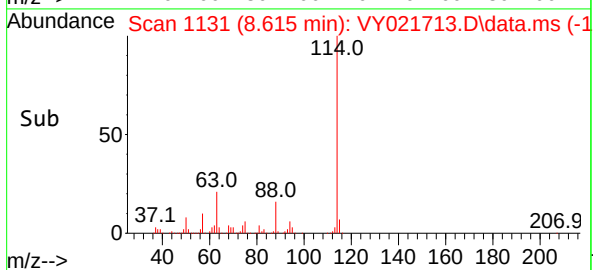
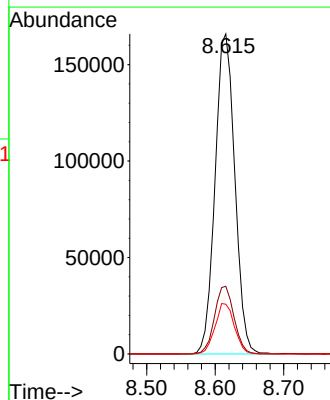
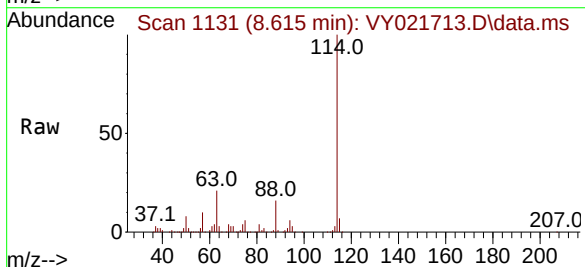
Tgt Ion:114 Resp: 331290

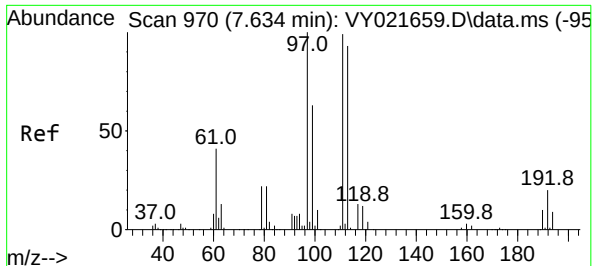
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 56.452 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBSD01

Tgt Ion:113 Resp: 12131

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

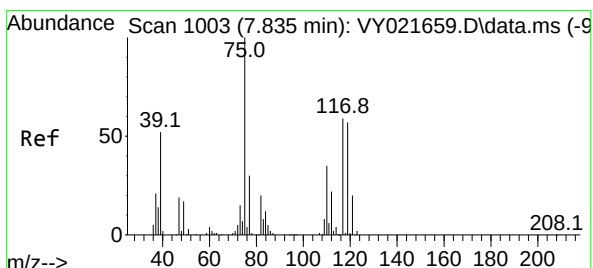
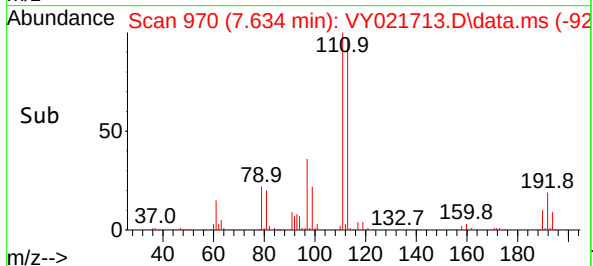
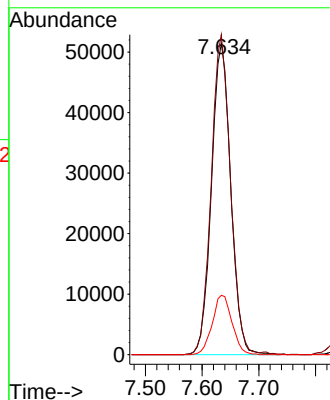
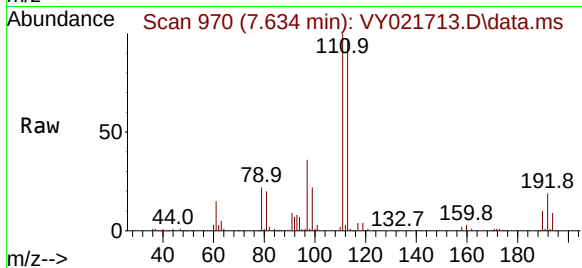
192 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#36

1,1-Dichloropropene

Concen: 20.035 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

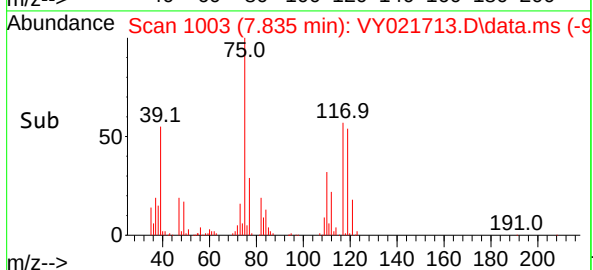
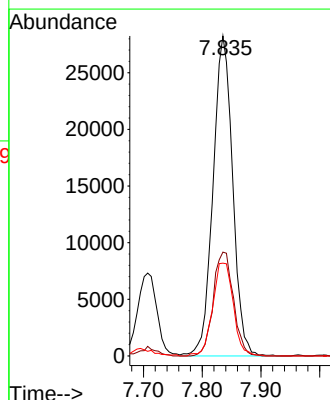
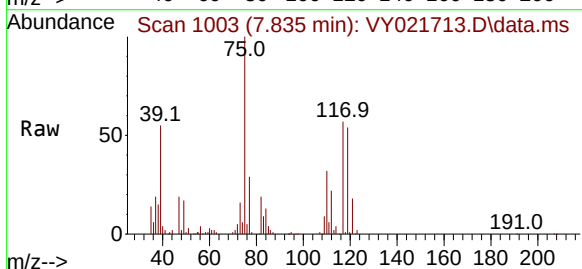
Tgt Ion: 75 Resp: 65580

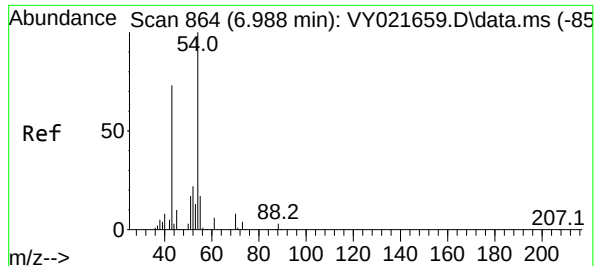
Ion Ratio Lower Upper

75 100

110 33.3 17.0 50.9

77 30.5 24.8 37.2





#37

Ethyl Acetate

Concen: 18.055 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

43 100

61 14.5 11.0 16.6

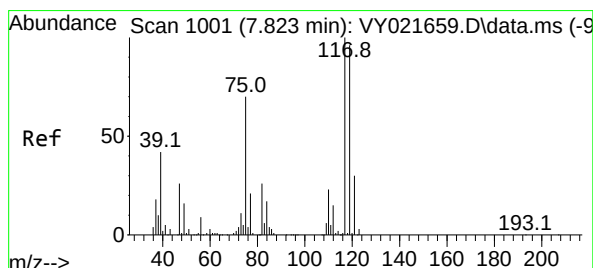
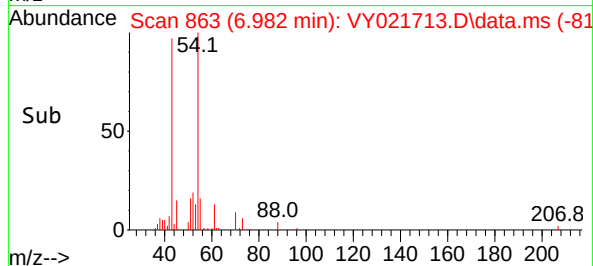
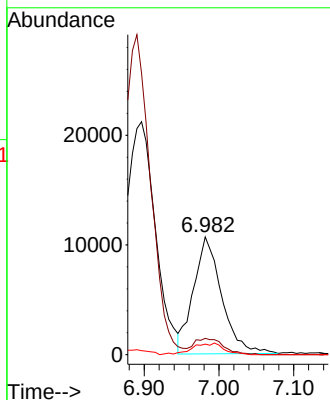
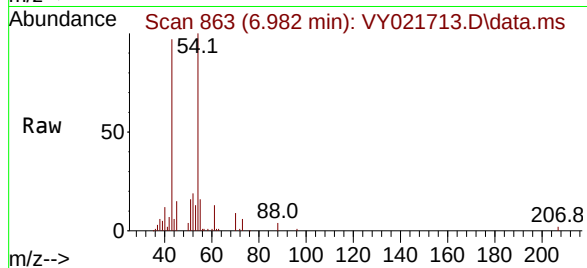
70 11.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#38

Carbon Tetrachloride

Concen: 19.990 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

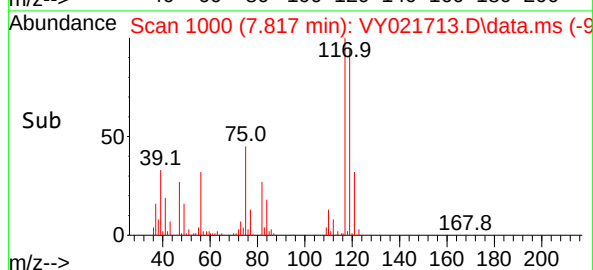
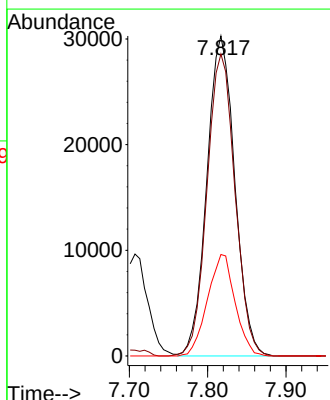
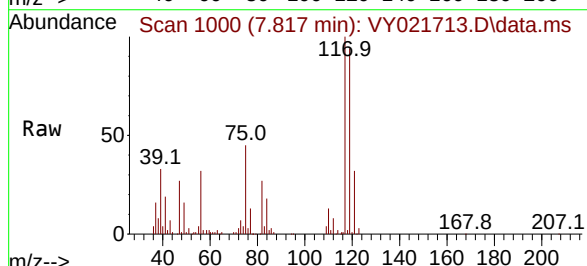
Tgt Ion:117 Resp: 74942

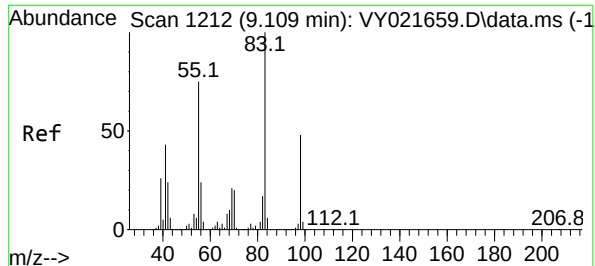
Ion Ratio Lower Upper

117 100

119 94.3 76.2 114.4

121 31.7 24.2 36.4





#39

Methylcyclohexane

Concen: 19.480 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 83 Resp: 7617

Ion Ratio Lower Upper

83 100

55 75.7 59.7 89.5

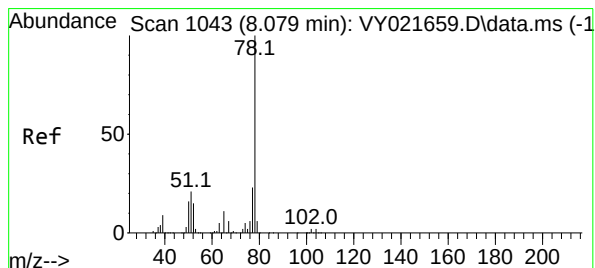
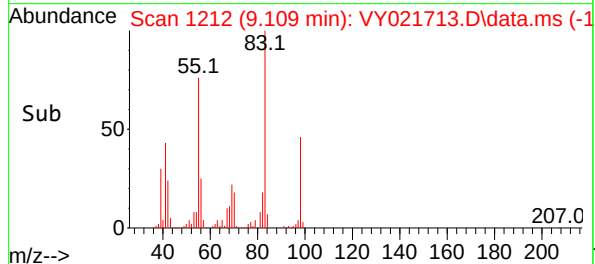
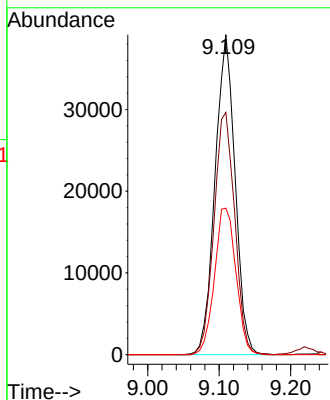
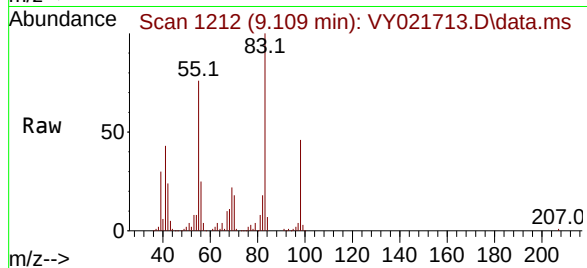
98 45.8 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#40

Benzene

Concen: 19.974 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY021713.D

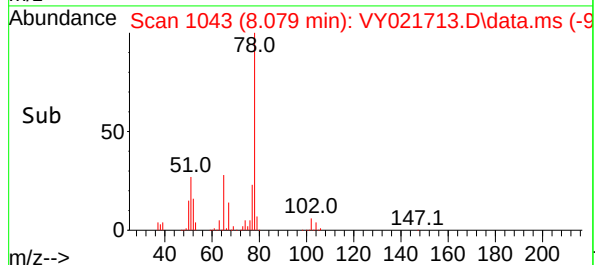
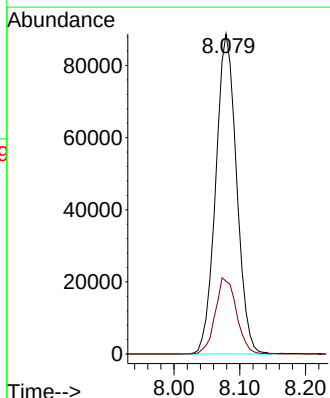
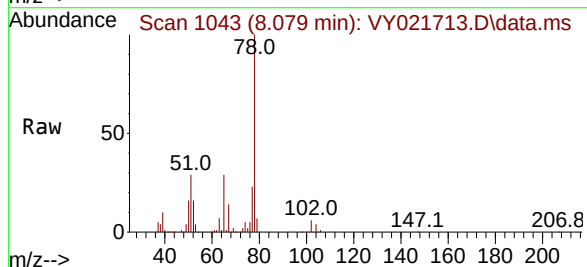
Acq: 31 Mar 2025 12:06

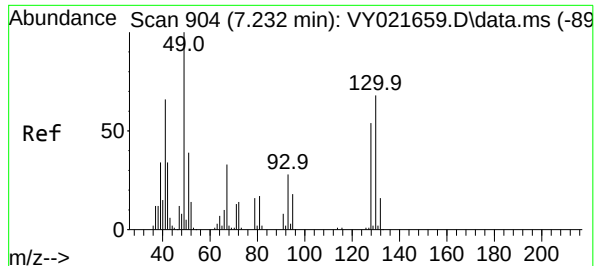
Tgt Ion: 78 Resp: 195801

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2





#41

Methacrylonitrile

Concen: 17.368 ug/l

RT: 7.226 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 41 Resp: 14249

Ion Ratio Lower Upper

41 100

39 63.8 0.0 0.0

67 81.4 0.0 0.0

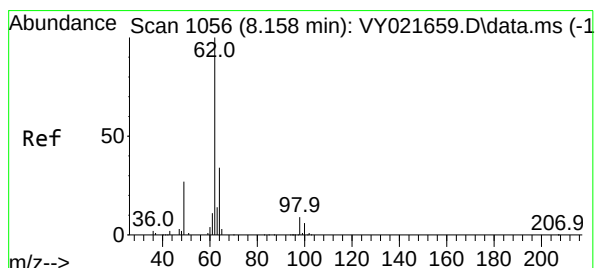
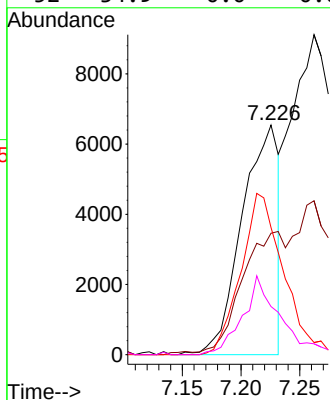
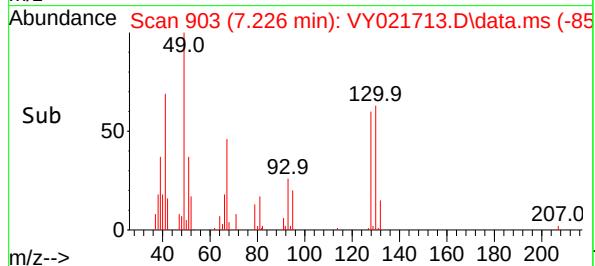
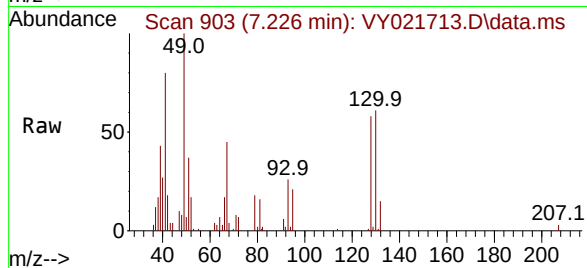
52 34.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#42

1,2-Dichloroethane

Concen: 20.076 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY021713.D

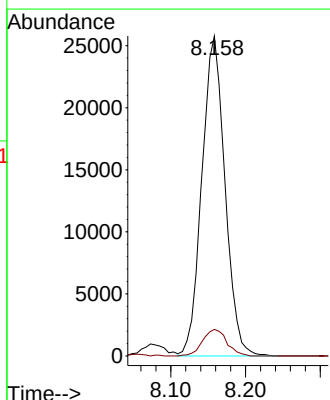
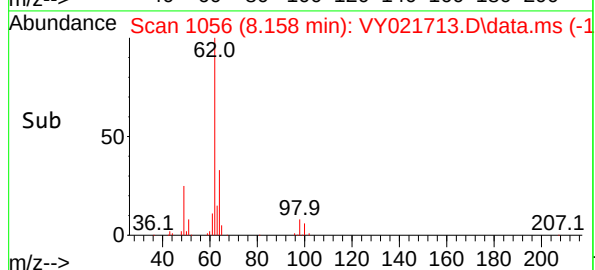
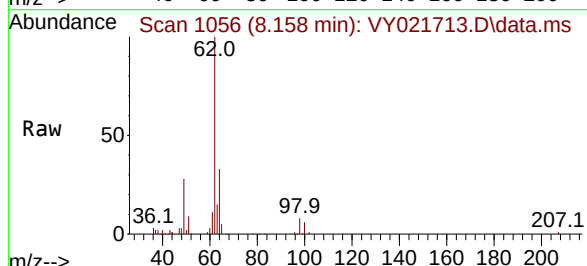
Acq: 31 Mar 2025 12:06

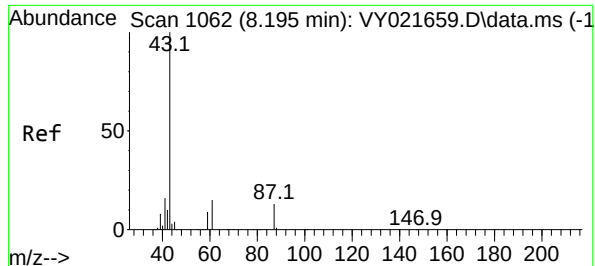
Tgt Ion: 62 Resp: 55480

Ion Ratio Lower Upper

62 100

98 8.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.584 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

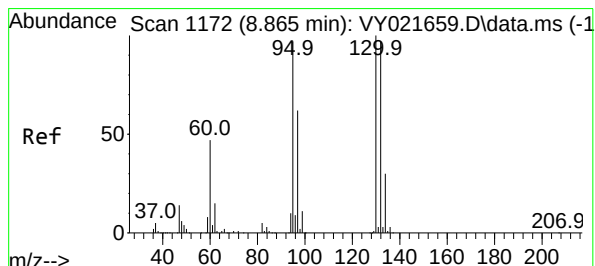
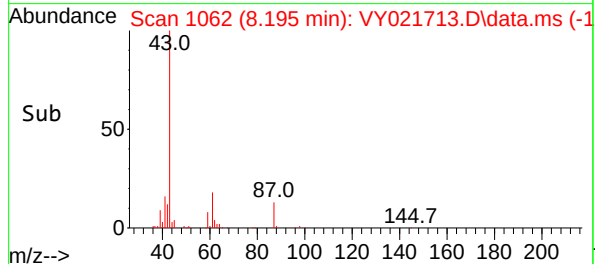
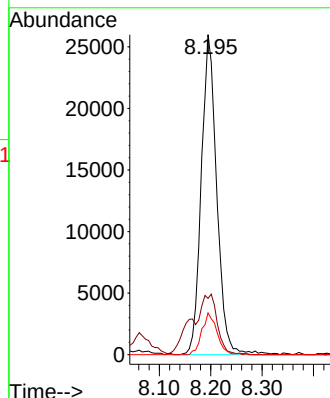
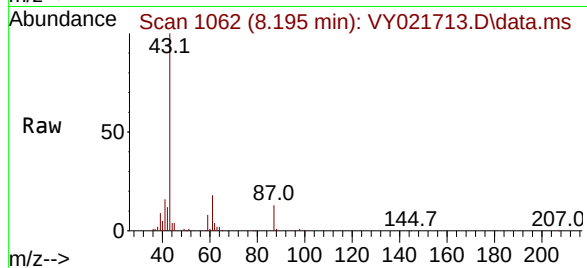
Tgt Ion:	43	Resp:	5440
Ion Ratio	Lower	Upper	
43	100		
61	20.7	15.9	23.9
87	12.7	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#44

Trichloroethene

Concen: 20.283 ug/l

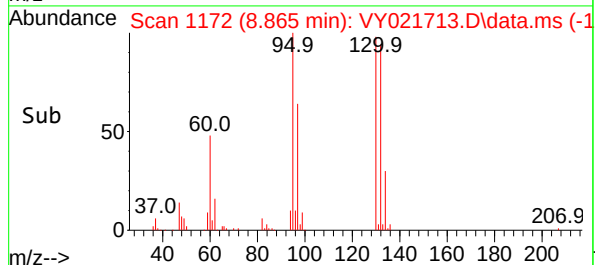
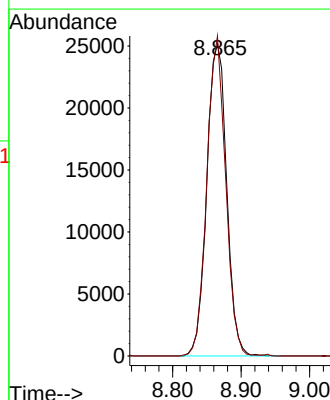
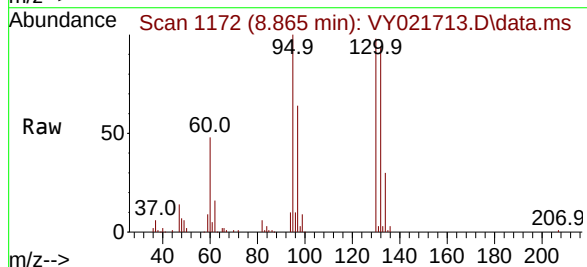
RT: 8.865 min Scan# 1172

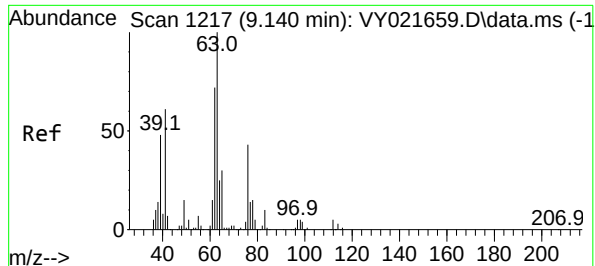
Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Tgt Ion:	130	Resp:	50660
Ion Ratio	Lower	Upper	
130	100		
95	102.5	0.0	194.8





#45

1,2-Dichloropropane

Concen: 20.041 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 63 Resp: 4650

Ion Ratio Lower Upper

63 100

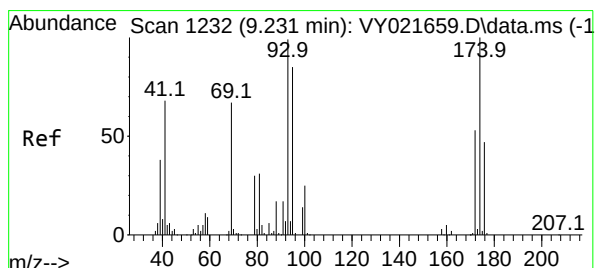
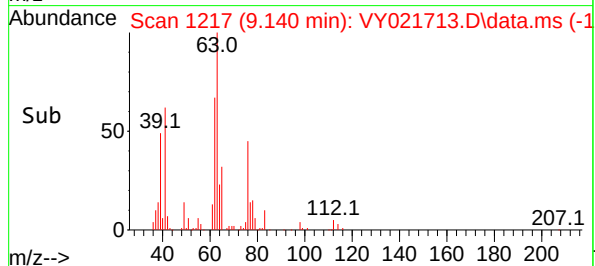
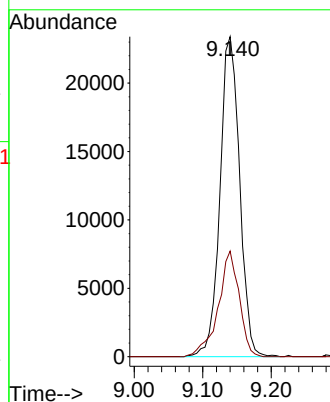
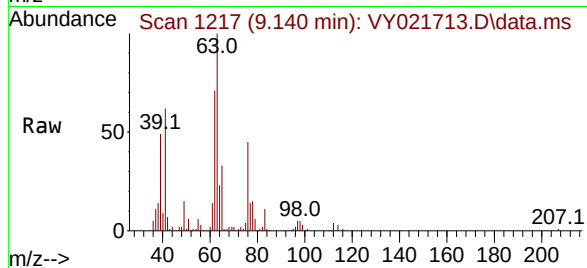
65 33.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#46

Dibromomethane

Concen: 19.846 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

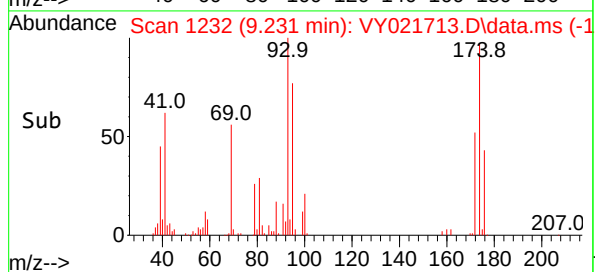
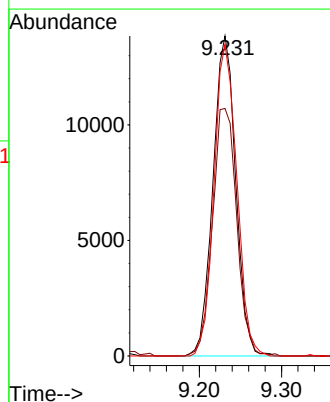
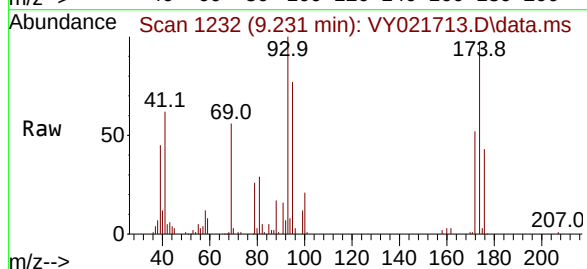
Tgt Ion: 93 Resp: 26540

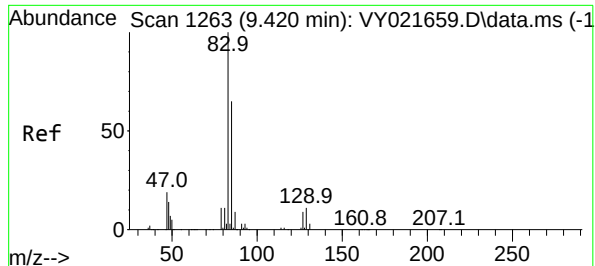
Ion Ratio Lower Upper

93 100

95 82.7 68.1 102.1

174 97.5 80.9 121.3





#47

Bromodichloromethane

Concen: 20.032 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

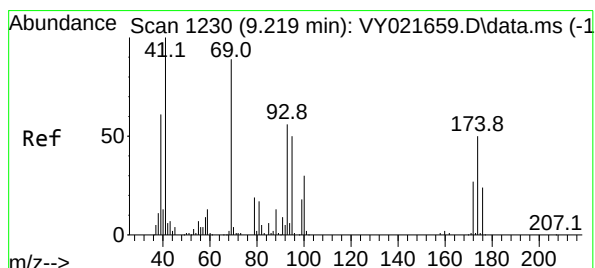
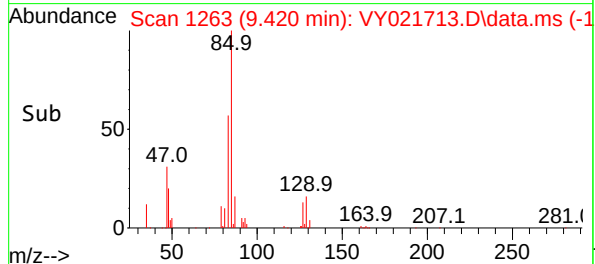
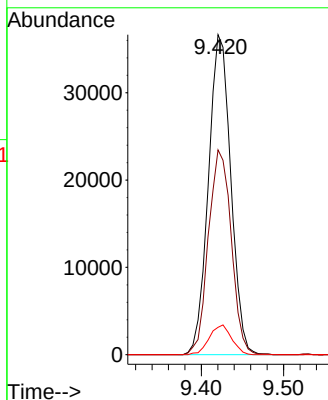
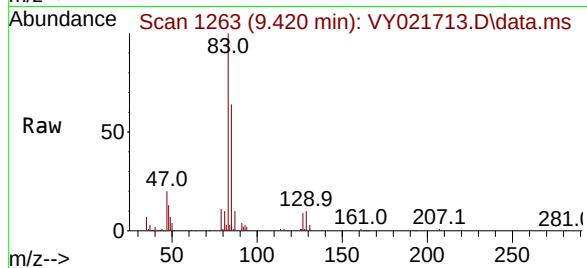
Tgt Ion: 83	Resp: 6941
Ion Ratio	Lower Upper
83 100	
85 64.0	51.8 77.6
127 8.5	6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#48

Methyl methacrylate

Concen: 17.997 ug/l

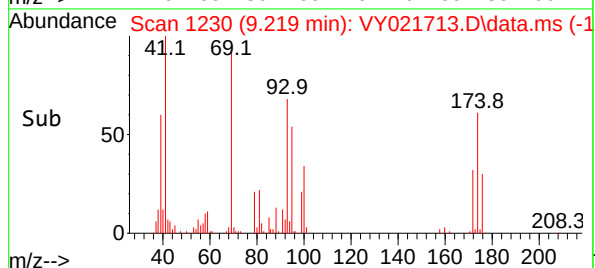
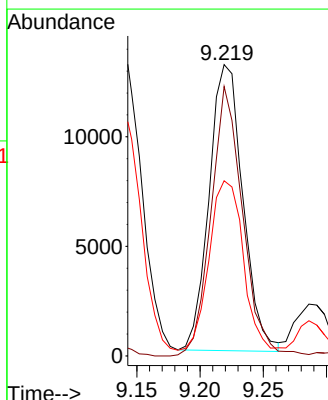
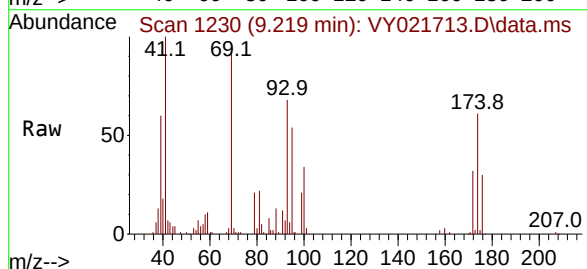
RT: 9.219 min Scan# 1230

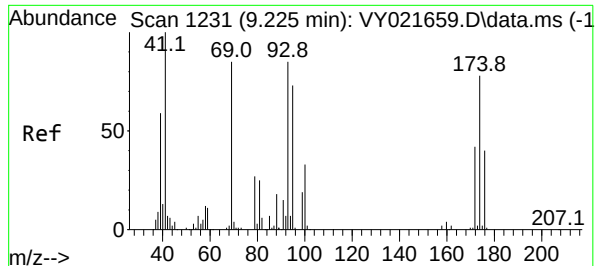
Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Tgt Ion: 41	Resp: 24181
Ion Ratio	Lower Upper
41 100	
69 88.5	69.8 104.8
39 60.4	47.2 70.8





#49

1,4-Dioxane

Concen: 387.486 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 88 Resp: 555

Ion Ratio Lower Upper

88 100

43 37.4 28.8 43.2

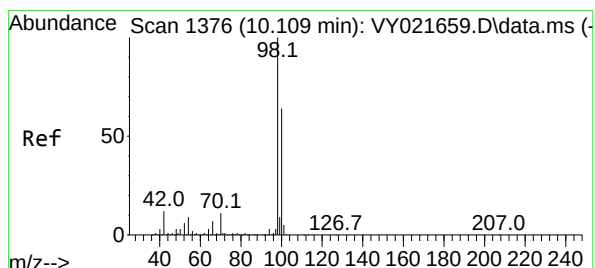
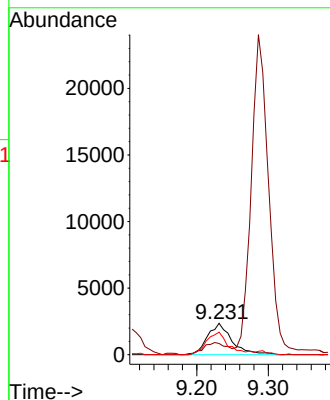
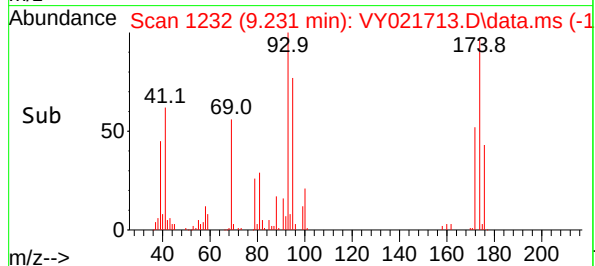
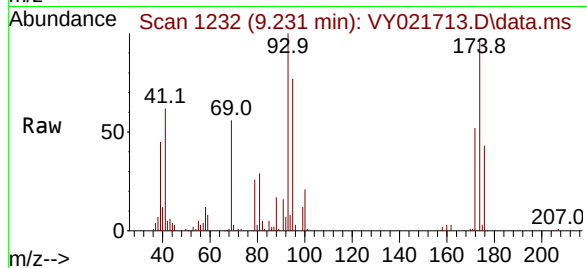
58 66.4 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#50

Toluene-d8

Concen: 56.601 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021713.D

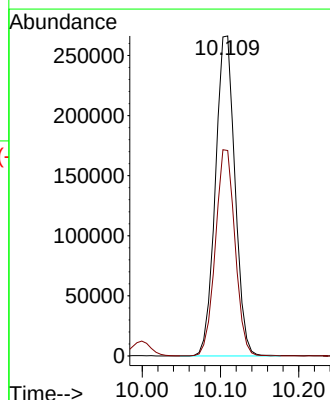
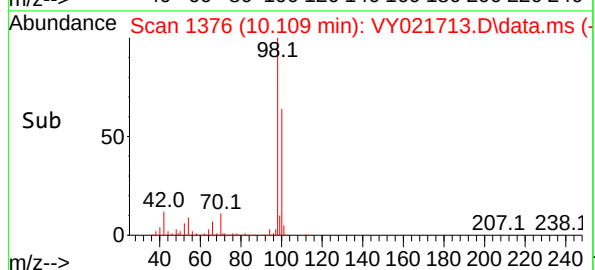
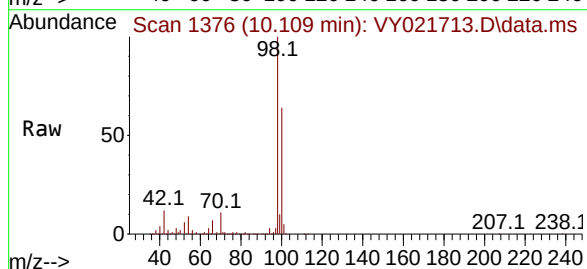
Acq: 31 Mar 2025 12:06

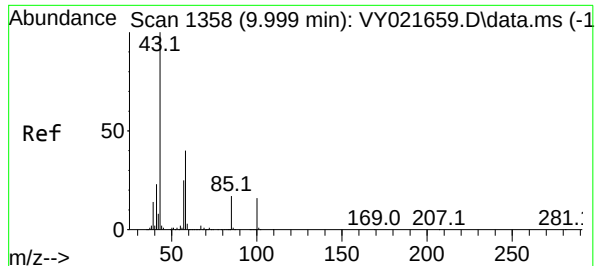
Tgt Ion: 98 Resp: 462747

Ion Ratio Lower Upper

98 100

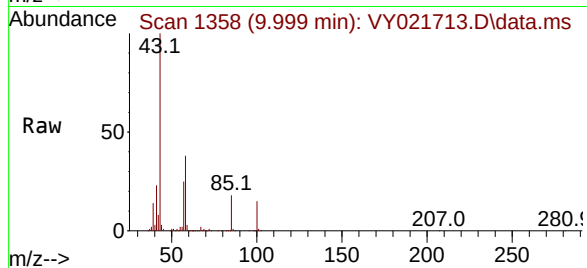
100 64.6 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 92.710 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

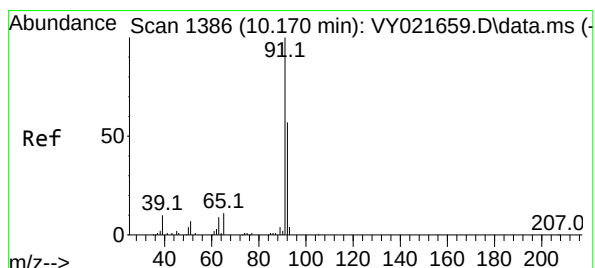
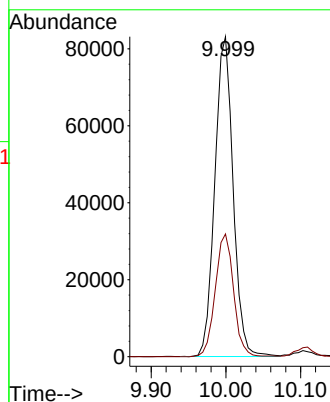
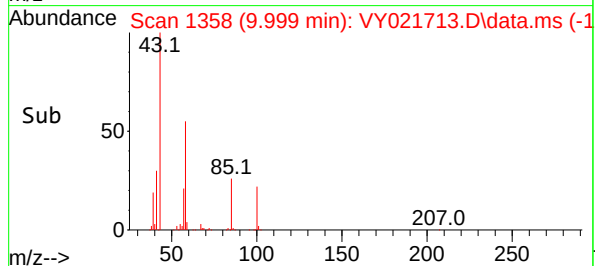
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01



Tgt Ion: 43 Resp: 14124
Ion Ratio Lower Upper
43 100
58 38.5 31.5 47.3

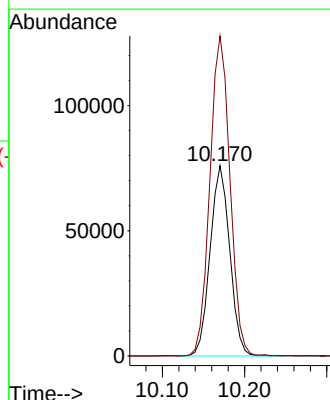
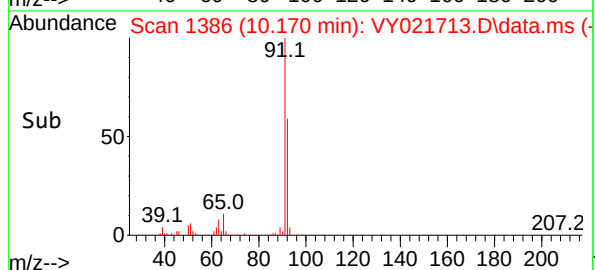
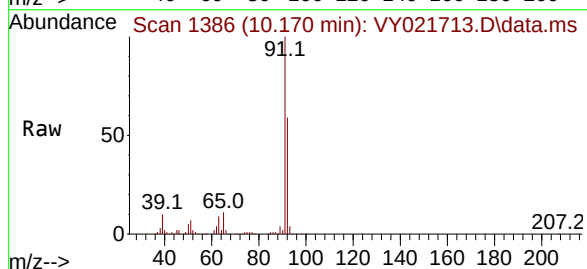
Manual Integrations
APPROVED

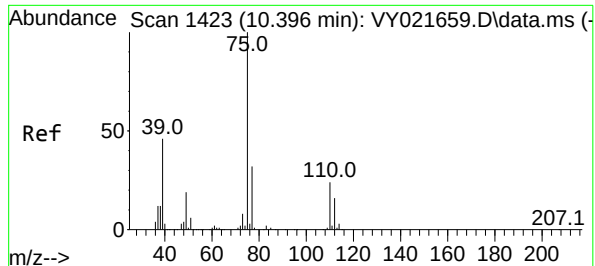
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#52
Toluene
Concen: 20.600 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 92 Resp: 125988
Ion Ratio Lower Upper
92 100
91 172.3 138.6 207.8





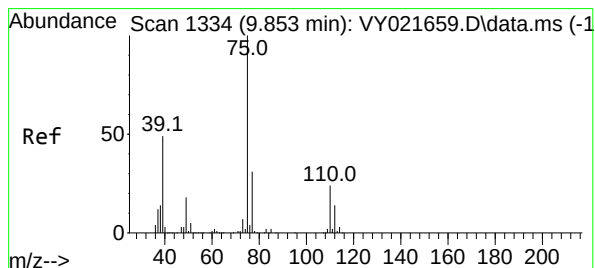
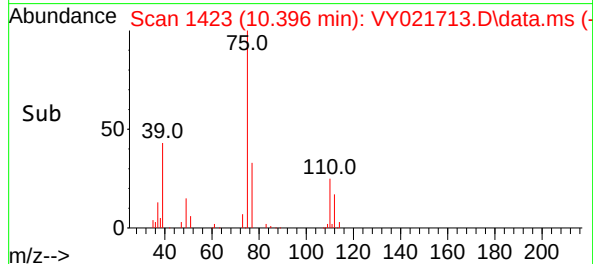
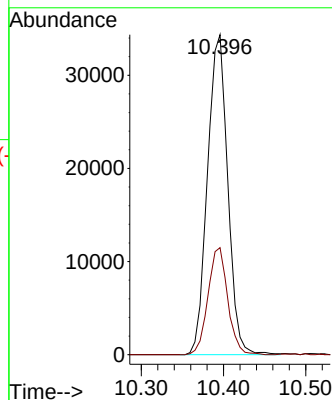
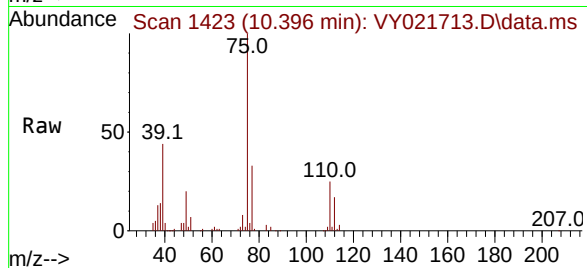
#53
t-1,3-Dichloropropene
Concen: 19.136 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Tgt Ion: 75 Resp: 5889
Ion Ratio Lower Upper
75 100
77 33.5 25.3 37.9

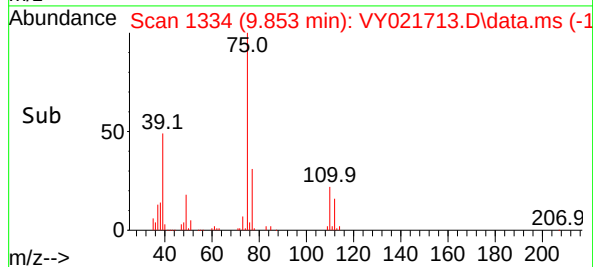
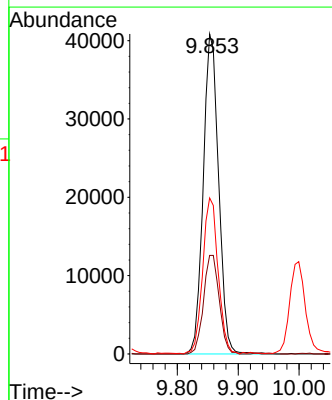
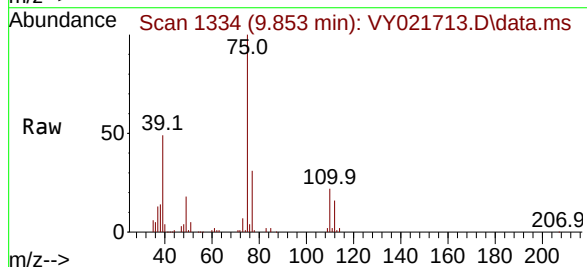
Manual Integrations
APPROVED

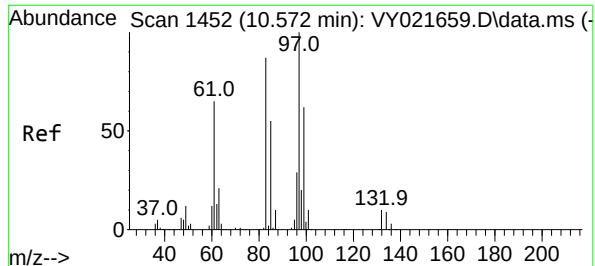
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#54
cis-1,3-Dichloropropene
Concen: 19.749 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

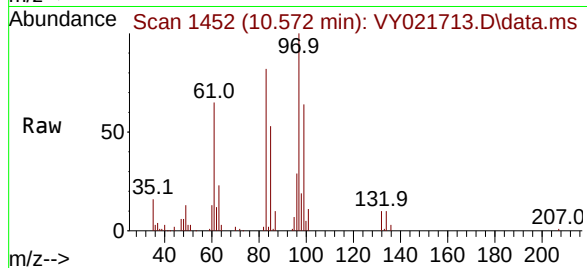
Tgt Ion: 75 Resp: 71708
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3
39 48.5 39.2 58.8





#55
1,1,2-Trichloroethane
Concen: 20.160 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

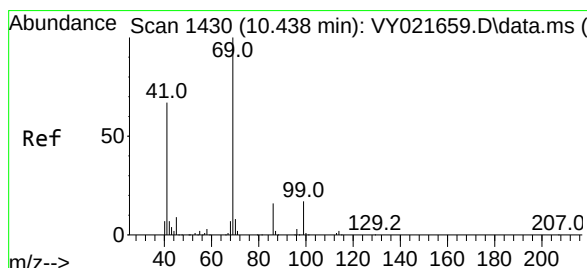
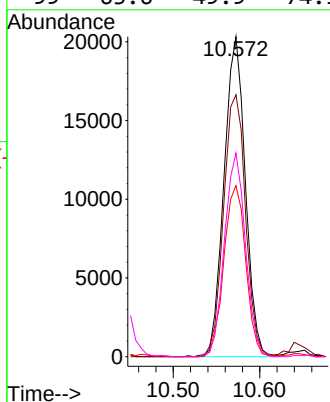
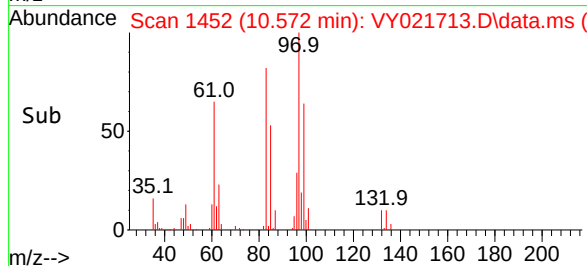
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



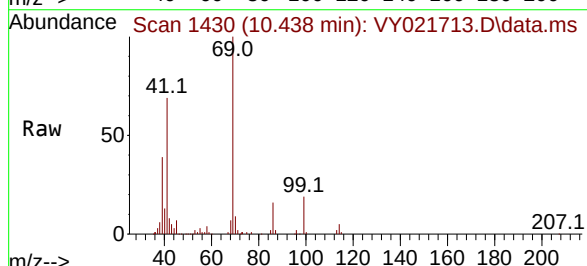
Tgt Ion: 97 Resp: 3469
Ion Ratio Lower Upper
97 100
83 81.9 69.5 104.3
85 53.4 43.9 65.9
99 63.6 49.9 74.9

Manual Integrations
APPROVED

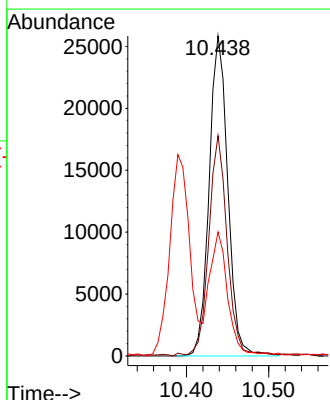
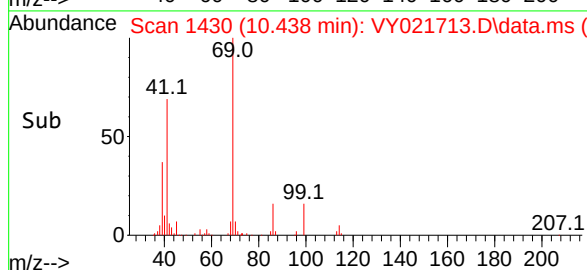
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

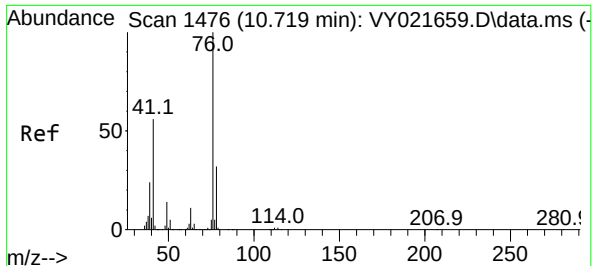


#56
Ethyl methacrylate
Concen: 18.559 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06



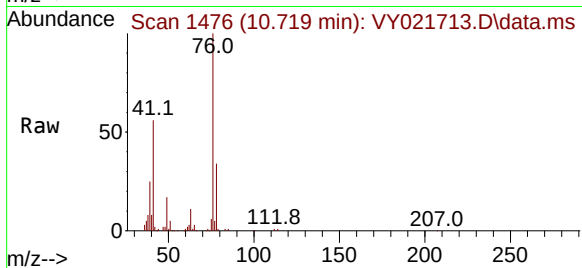
Tgt Ion: 69 Resp: 40781
Ion Ratio Lower Upper
69 100
41 68.5 53.8 80.6
39 37.0 29.6 44.4





#57
1,3-Dichloropropane
Concen: 19.751 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

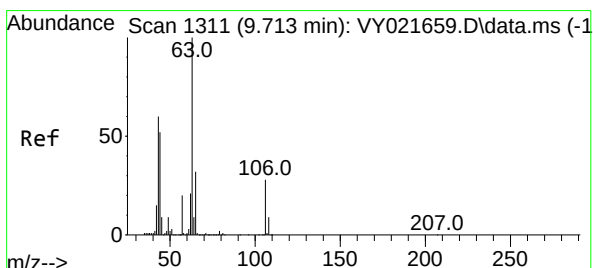
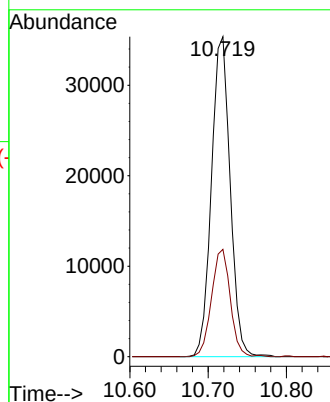
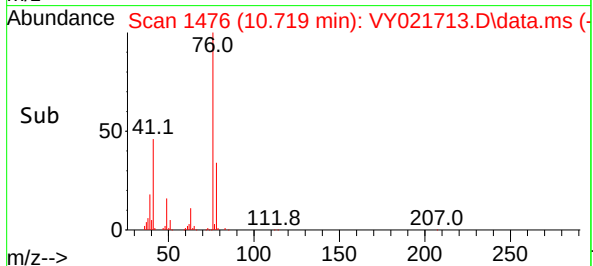
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01



Tgt Ion: 76 Resp: 58702
Ion Ratio Lower Upper
76 100
78 33.6 25.8 38.8

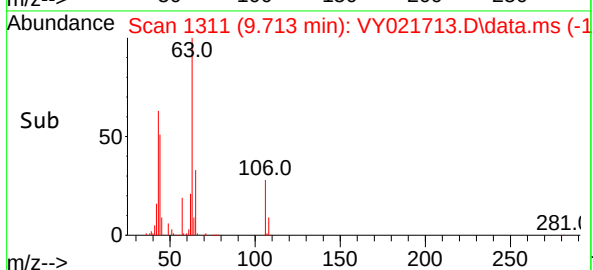
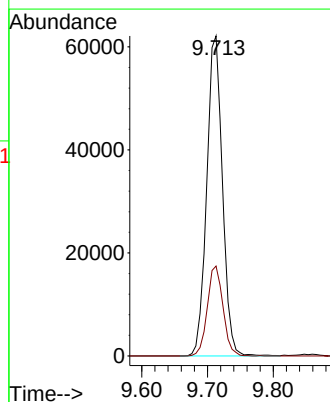
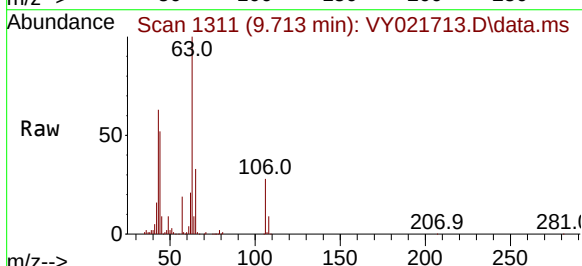
Manual Integrations
APPROVED

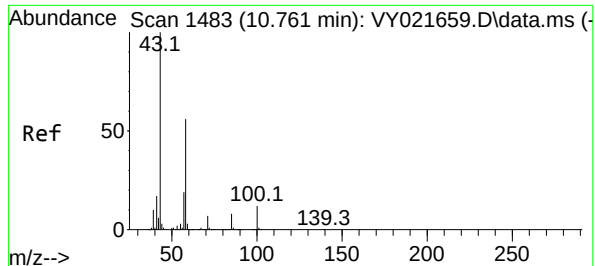
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#58
2-Chloroethyl Vinyl ether
Concen: 96.251 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

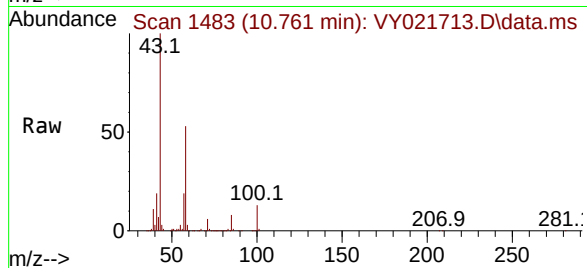
Tgt Ion: 63 Resp: 103179
Ion Ratio Lower Upper
63 100
106 28.0 22.4 33.6





#59
2-Hexanone
Concen: 88.452 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

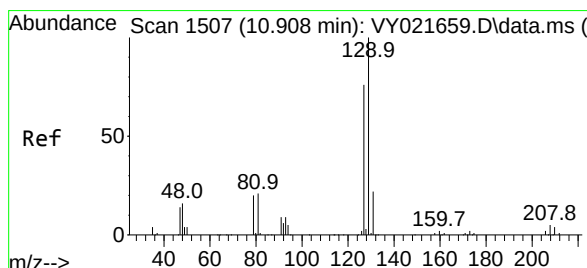
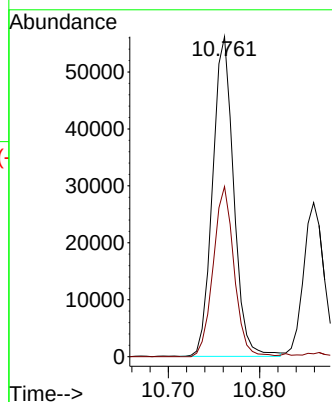
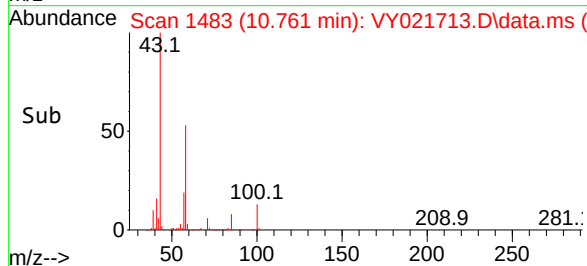
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 43 Resp: 89744
Ion Ratio Lower Upper
43 100
58 52.7 27.2 81.5

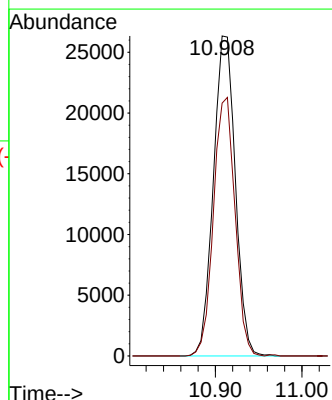
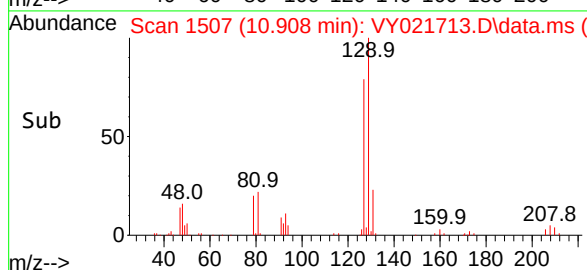
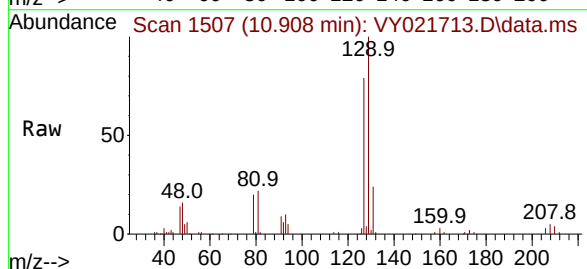
Manual Integrations
APPROVED

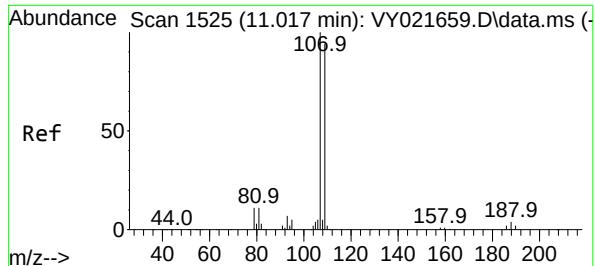
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#60
Dibromochloromethane
Concen: 19.775 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion:129 Resp: 46463
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.7





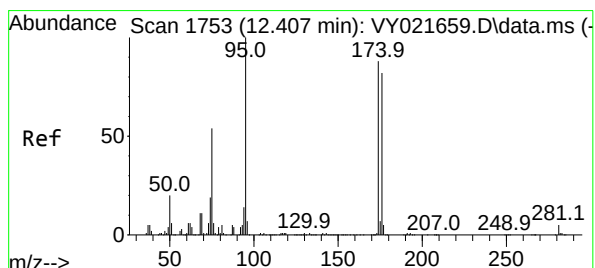
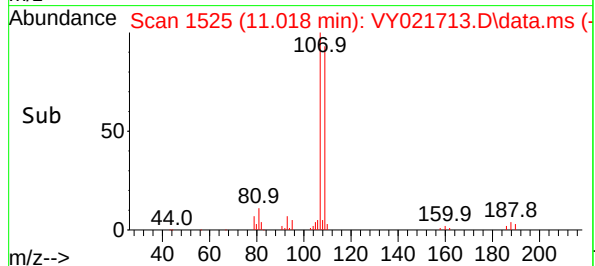
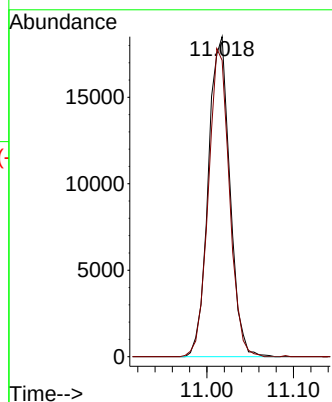
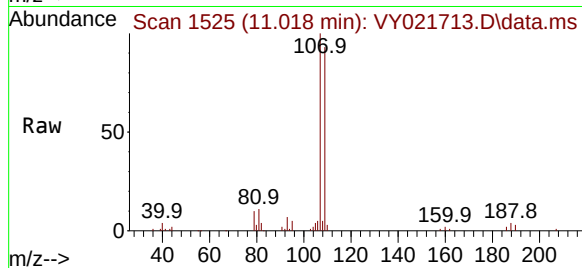
#61
1,2-Dibromoethane
Concen: 19.835 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:107 Resp: 32020
Ion Ratio Lower Upper
107 100
109 93.9 74.4 111.6

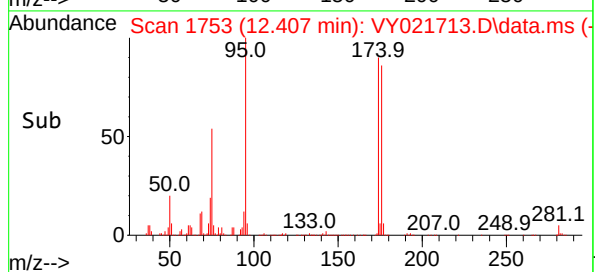
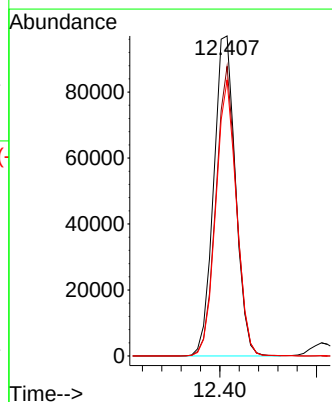
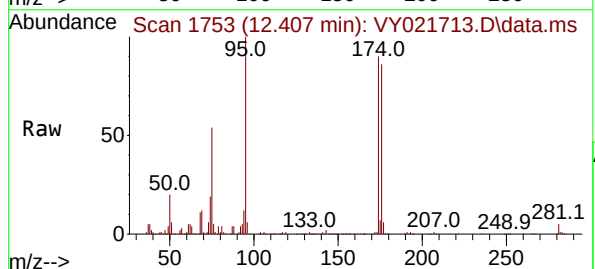
Manual Integrations
APPROVED

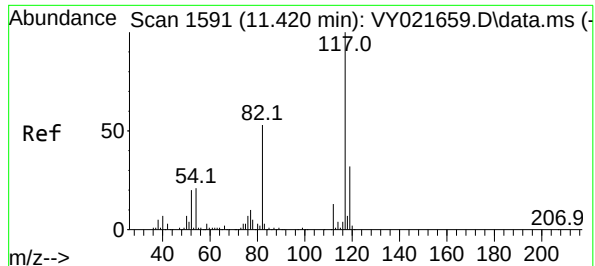
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#62
4-Bromofluorobenzene
Concen: 54.776 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

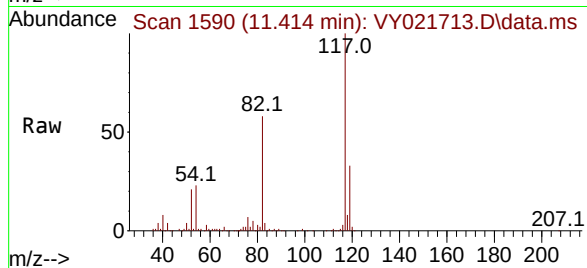
Tgt Ion: 95 Resp: 151475
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.8
176 81.8 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

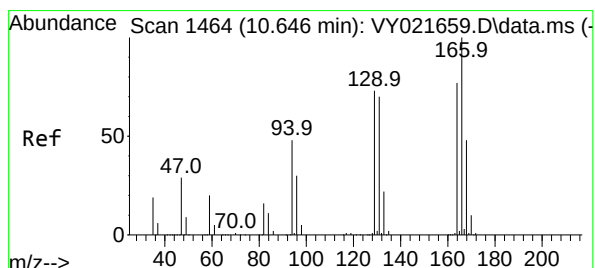
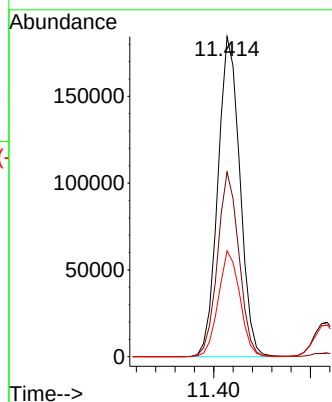
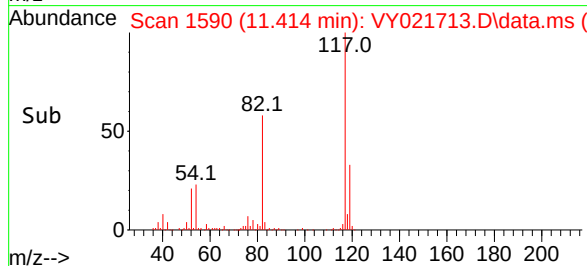
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion:117 Resp: 29115
Ion Ratio Lower Upper
117 100
82 57.7 42.8 64.2
119 33.1 25.7 38.5

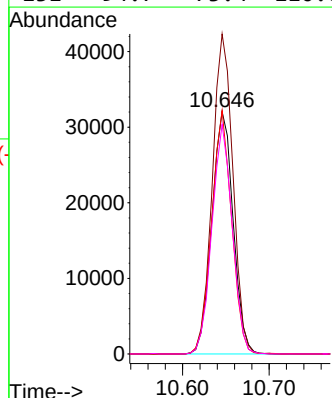
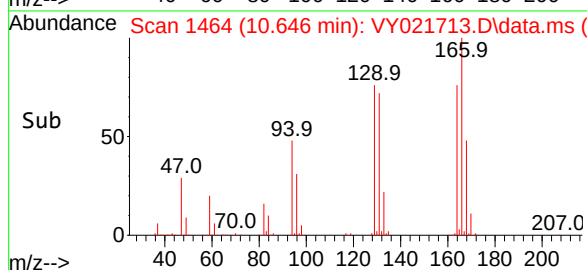
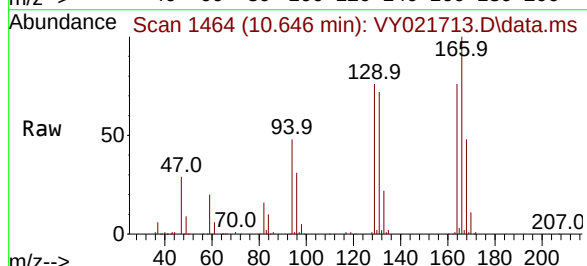
Manual Integrations
APPROVED

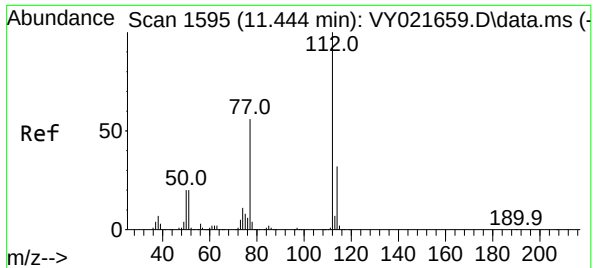
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#64
Tetrachloroethene
Concen: 20.648 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

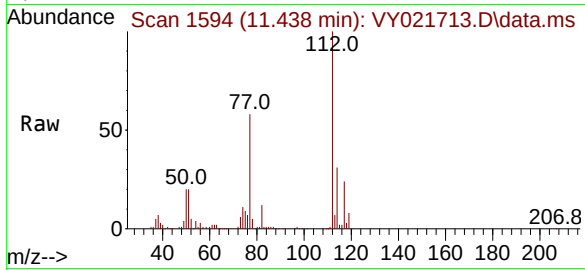
Tgt Ion:164 Resp: 54754
Ion Ratio Lower Upper
164 100
166 132.0 104.6 156.8
129 100.4 76.6 114.8
131 94.7 73.4 110.0





#65
Chlorobenzene
Concen: 20.074 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

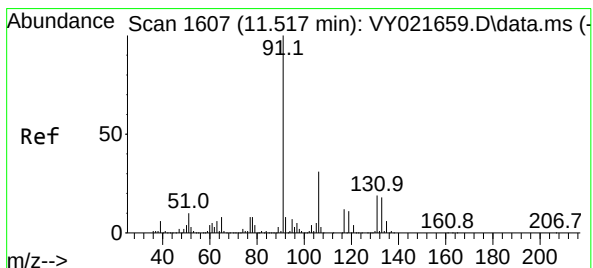
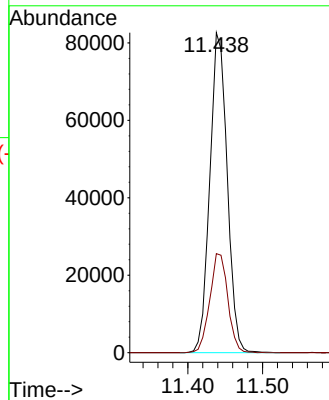
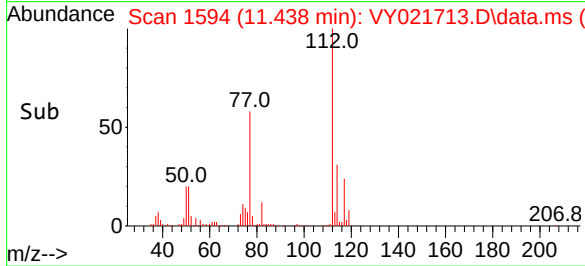
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion:112 Resp: 13397
Ion Ratio Lower Upper
112 100
114 30.9 25.9 38.9

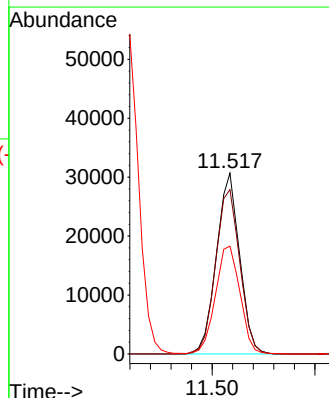
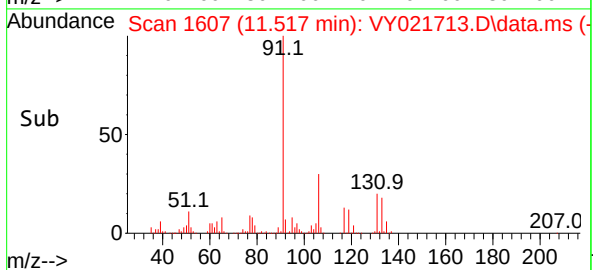
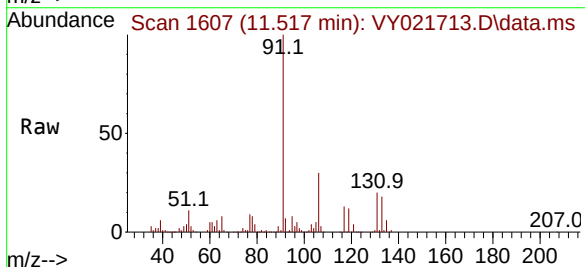
Manual Integrations
APPROVED

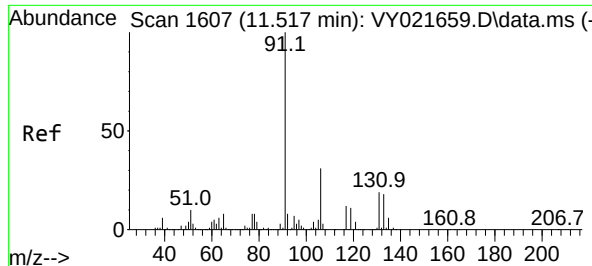
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.276 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

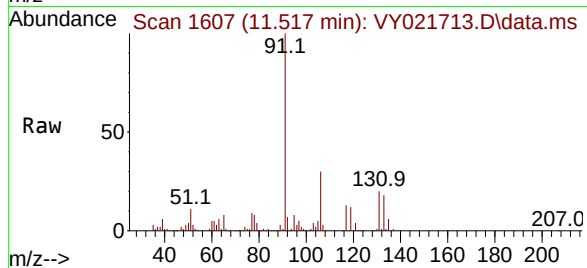
Tgt Ion:131 Resp: 48015
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 63.3 31.6 95.0





#67
Ethyl Benzene
Concen: 20.081 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

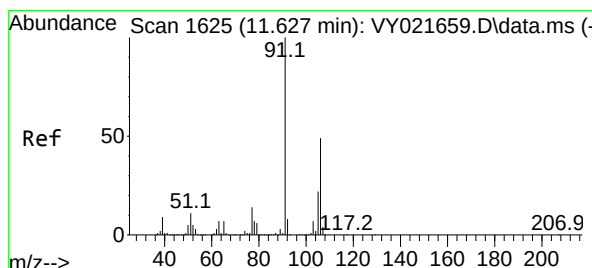
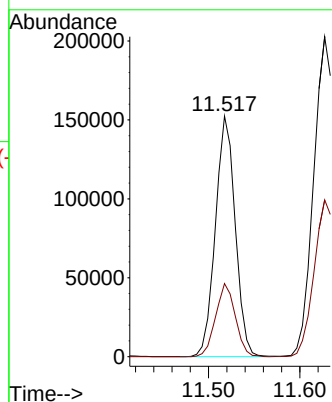
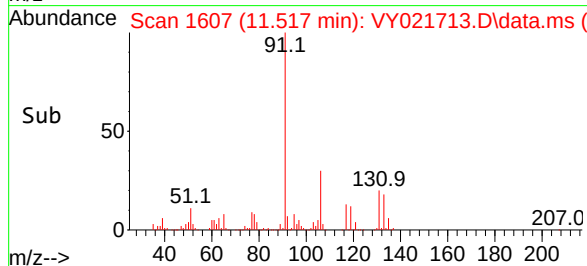
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



Tgt Ion: 91 Resp: 229825
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

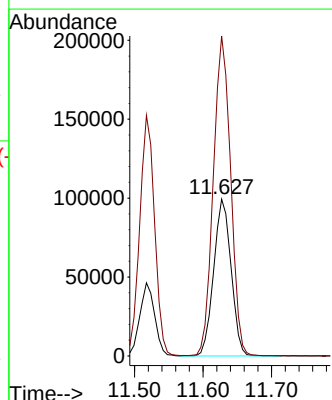
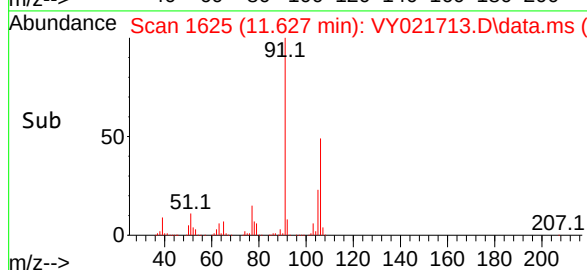
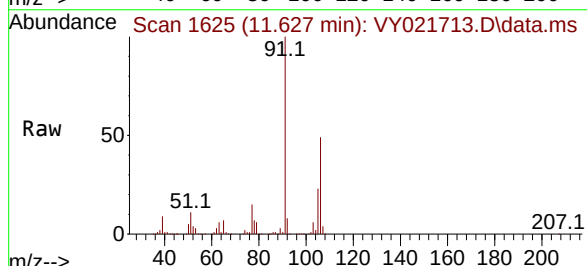
Manual Integrations
APPROVED

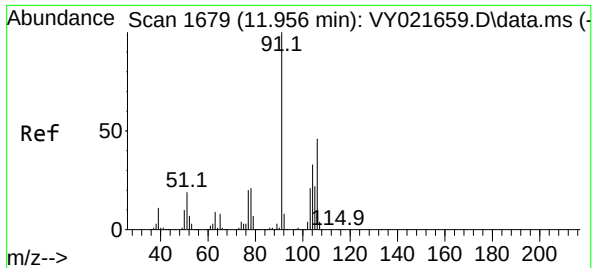
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#68
m/p-Xylenes
Concen: 40.016 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion:106 Resp: 175372
Ion Ratio Lower Upper
106 100
91 203.2 162.4 243.6





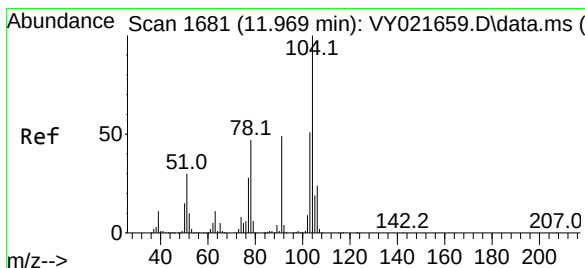
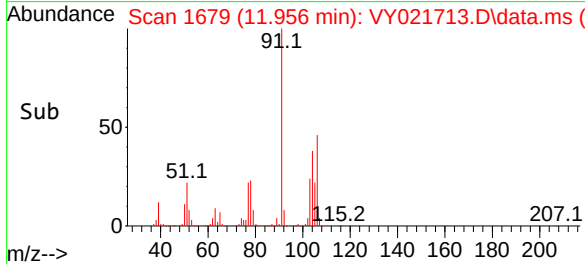
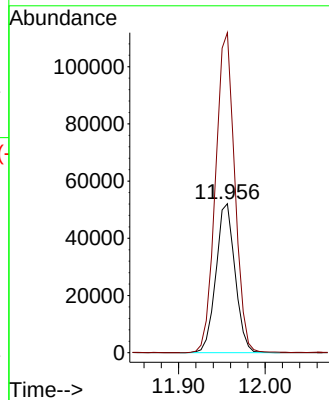
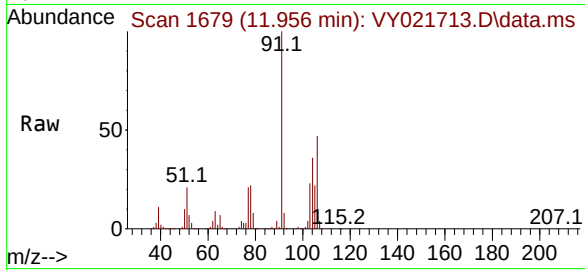
#69
o-Xylene
Concen: 19.734 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Tgt Ion:106 Resp: 79832
Ion Ratio Lower Upper
106 100
91 216.4 106.7 319.9

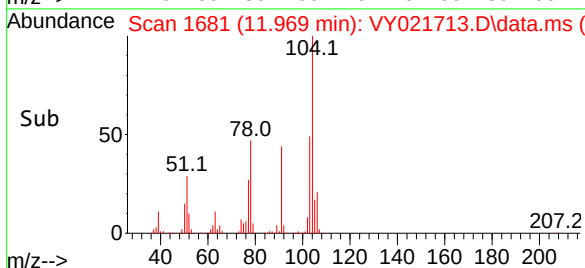
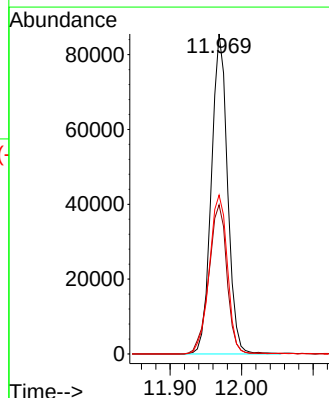
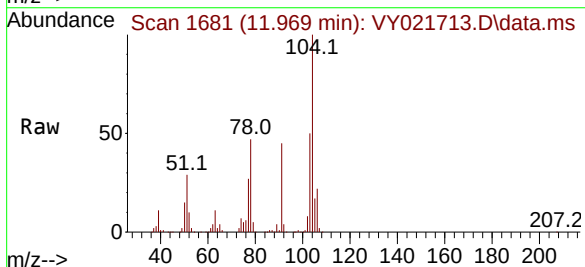
Manual Integrations
APPROVED

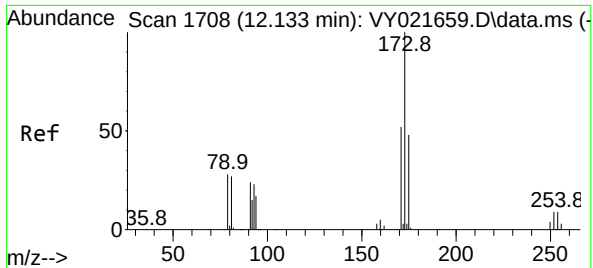
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#70
Styrene
Concen: 19.963 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

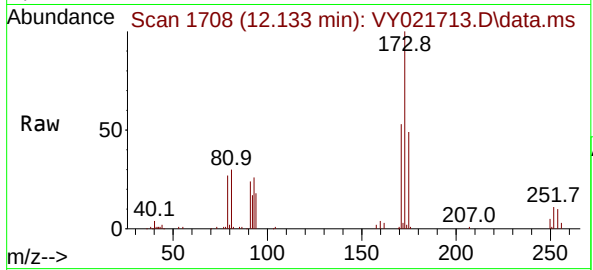
Tgt Ion:104 Resp: 134656
Ion Ratio Lower Upper
104 100
78 52.1 40.8 61.2
103 55.3 44.2 66.2





#71
Bromoform
Concen: 19.844 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

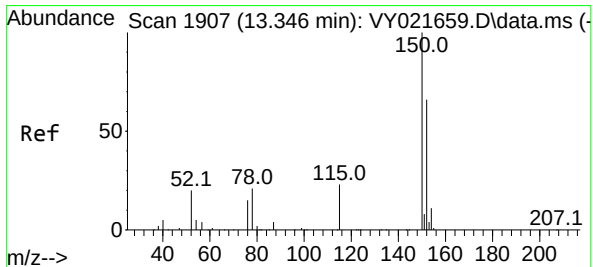
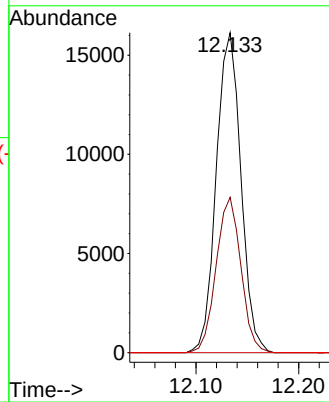
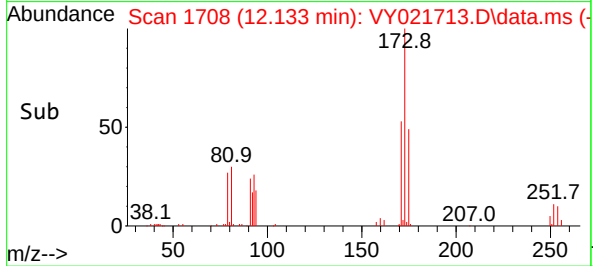
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01



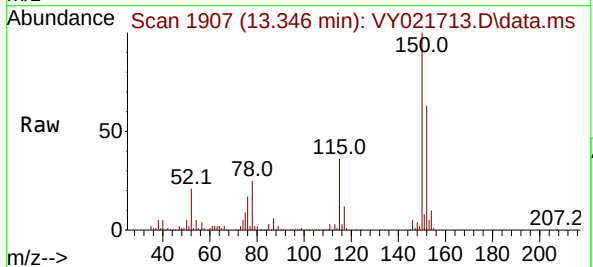
Tgt Ion:173 Resp: 26804
Ion Ratio Lower Upper
173 100
175 48.8 24.3 73.0
254 0.0 0.1 0.1

Manual Integrations
APPROVED

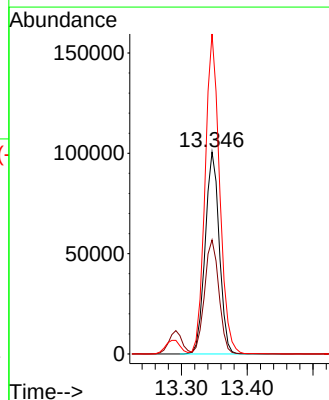
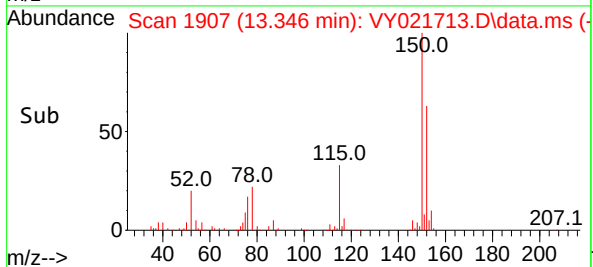
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

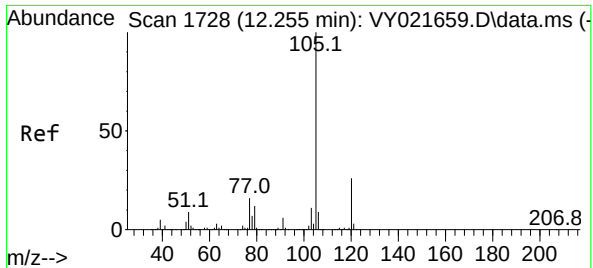


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06



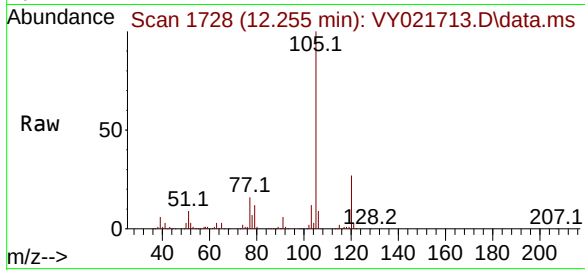
Tgt Ion:152 Resp: 150013
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 163.3 0.0 348.4





#73
Isopropylbenzene
Concen: 19.199 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

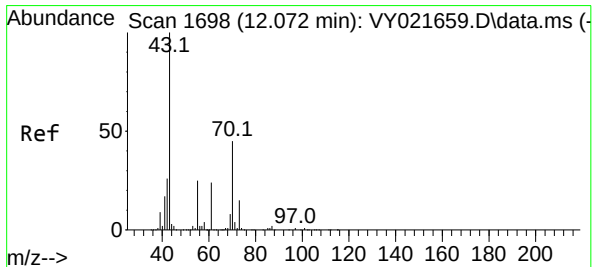
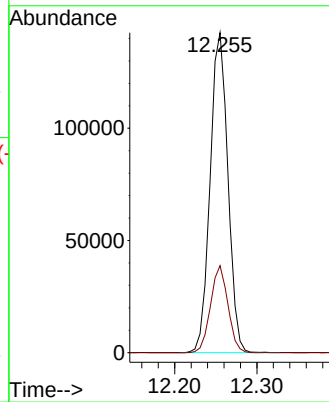
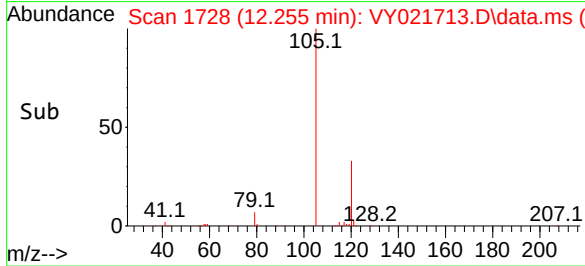
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01



Tgt Ion:105 Resp: 21391
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5

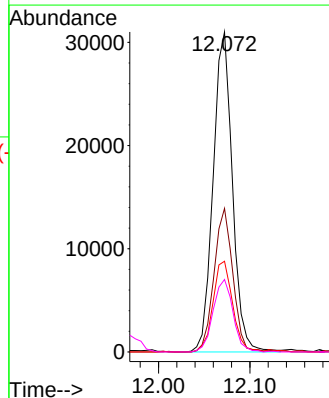
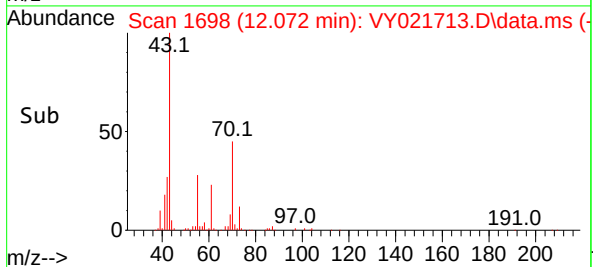
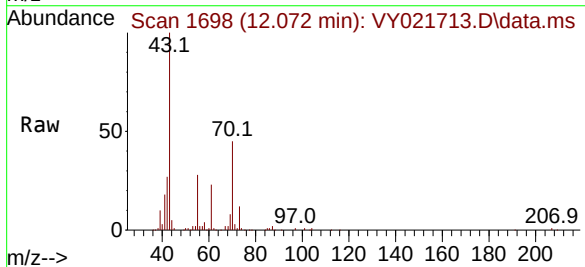
Manual Integrations
APPROVED

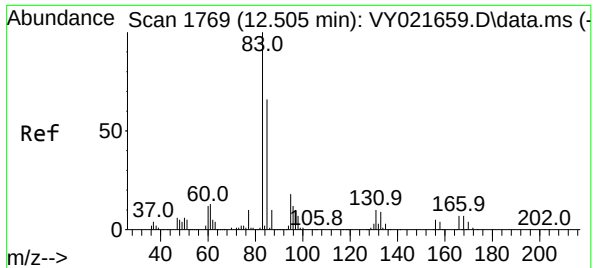
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#74
N-ethyl acetate
Concen: 17.361 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 43 Resp: 45399
Ion Ratio Lower Upper
43 100
70 43.8 34.7 52.1
55 29.0 21.2 31.8
61 23.4 19.5 29.3





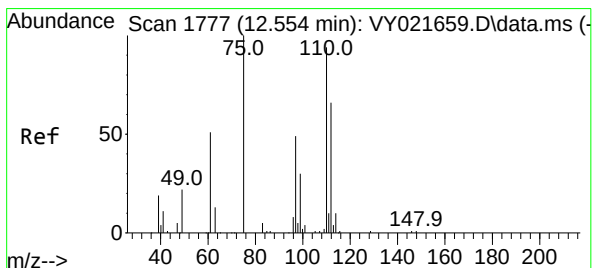
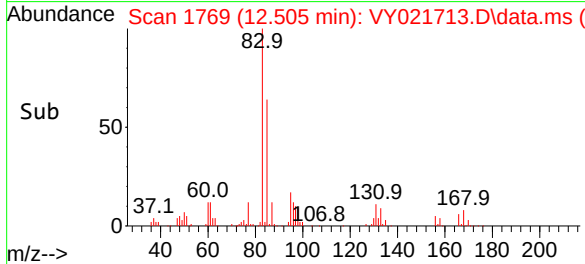
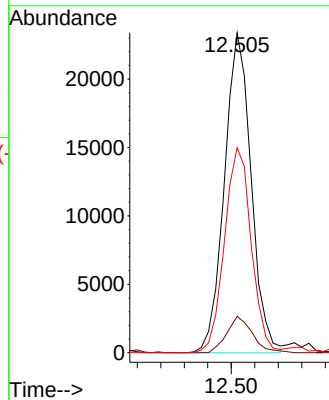
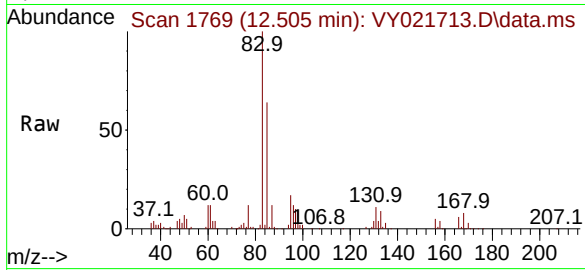
#75
1,1,2,2-Tetrachloroethane
Concen: 18.429 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 83 Resp: 3691
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.3
85 64.0 32.3 96.8

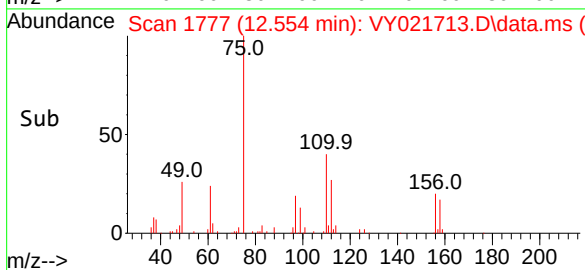
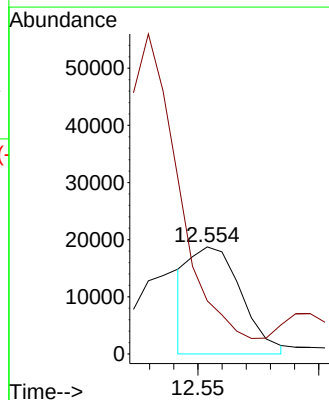
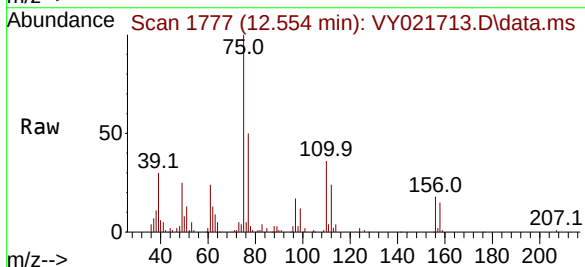
Manual Integrations
APPROVED

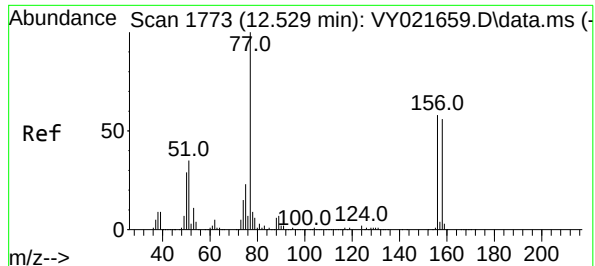
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#76
1,2,3-Trichloropropane
Concen: 18.887 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 75 Resp: 28085
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





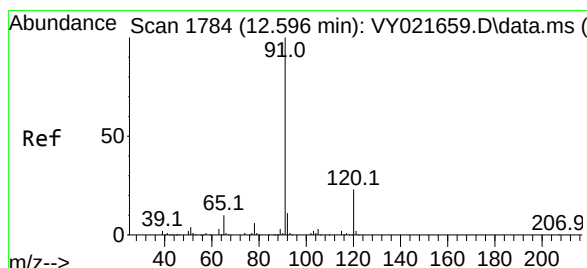
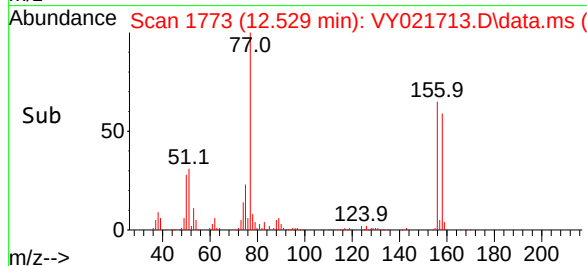
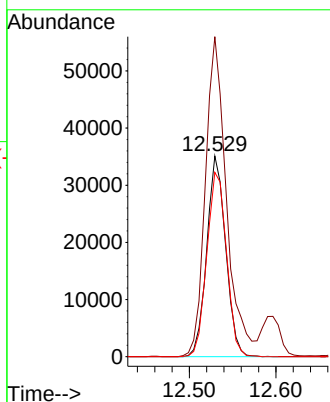
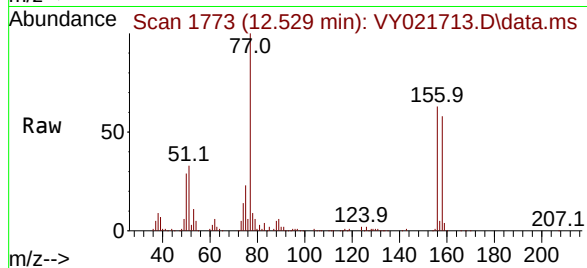
#77
Bromobenzene
Concen: 19.852 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion: 156 Resp: 53109
Ion Ratio Lower Upper
156 100
77 177.1 92.8 278.3
158 96.0 48.5 145.6

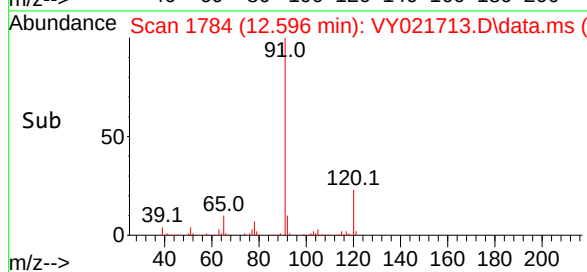
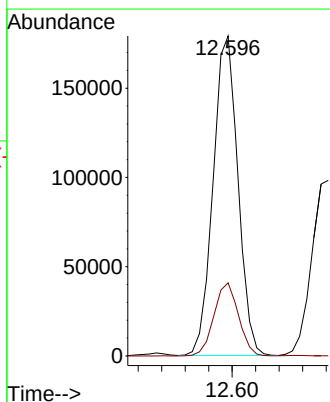
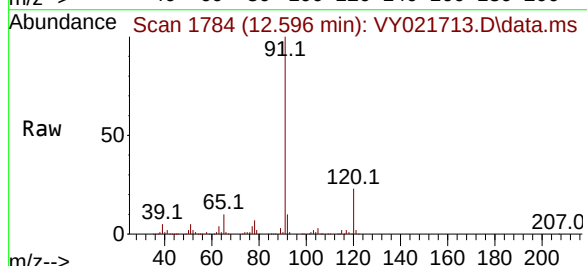
Manual Integrations
APPROVED

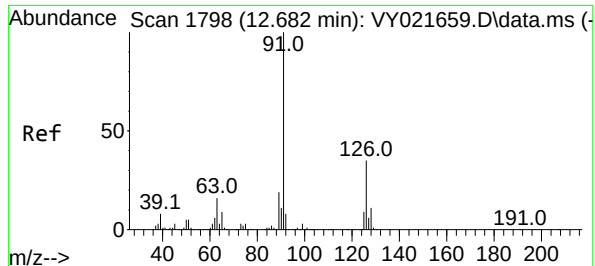
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#78
n-propylbenzene
Concen: 19.602 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 91 Resp: 262582
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.815 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBSD01

Tgt Ion: 91 Resp: 15416

Ion Ratio Lower Upper

91 100

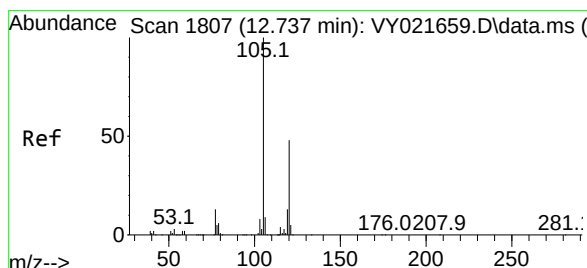
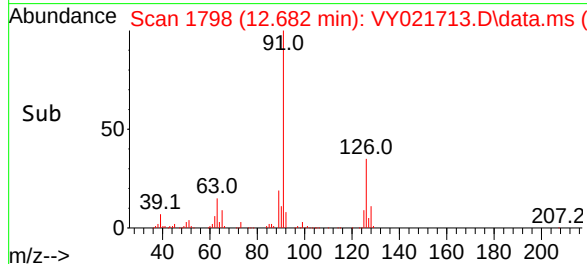
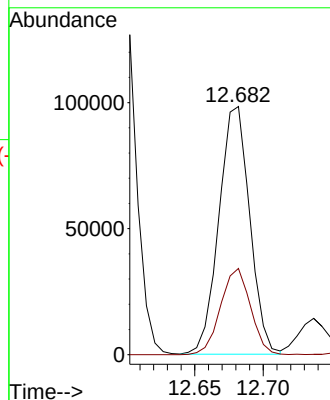
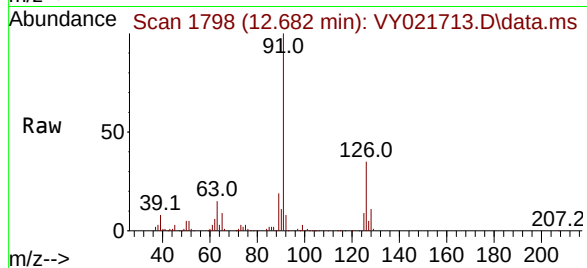
126 33.7 17.3 52.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.813 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021713.D

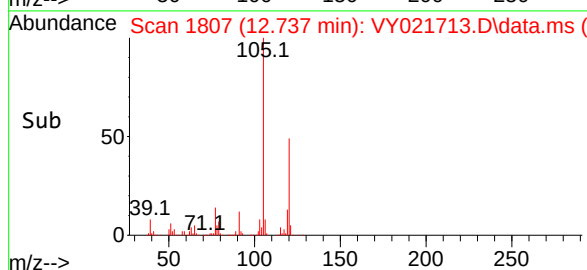
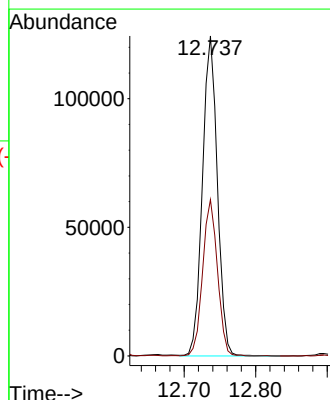
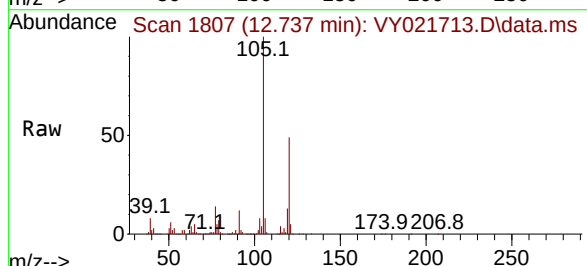
Acq: 31 Mar 2025 12:06

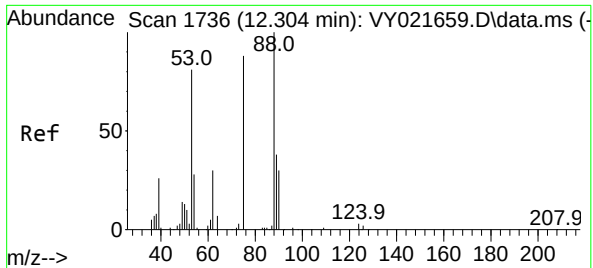
Tgt Ion:105 Resp: 180420

Ion Ratio Lower Upper

105 100

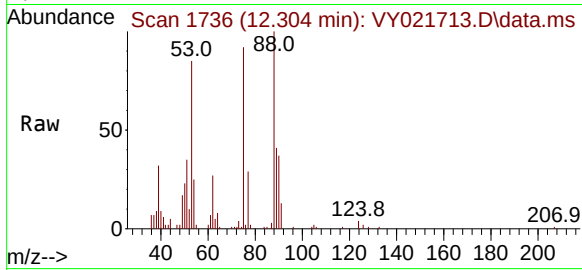
120 48.4 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.336 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

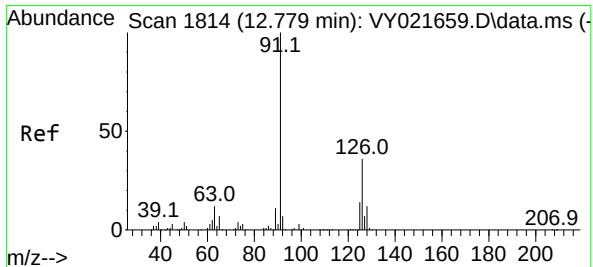
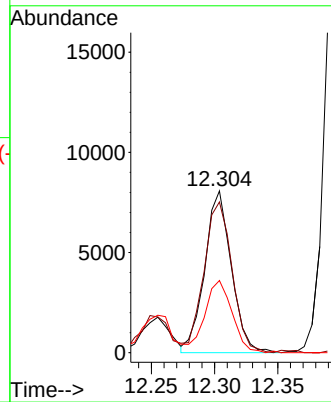
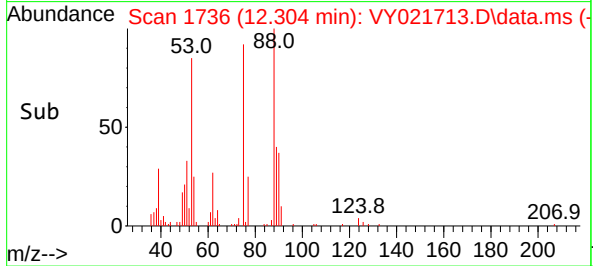
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01



Tgt Ion: 75 Resp: 1183
Ion Ratio Lower Upper
75 100
53 98.4 76.1 114.1
89 45.1 36.2 54.4

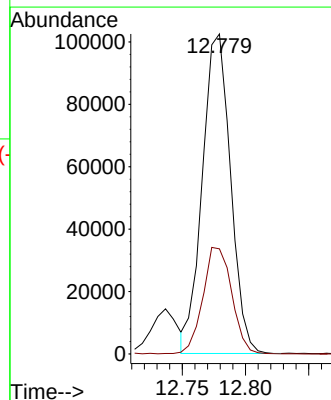
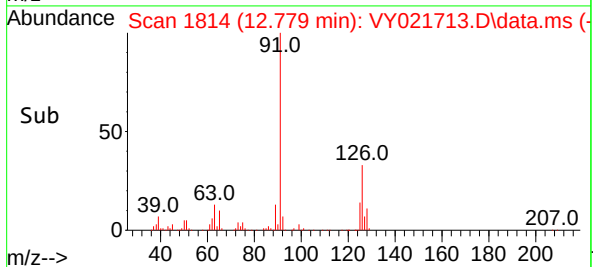
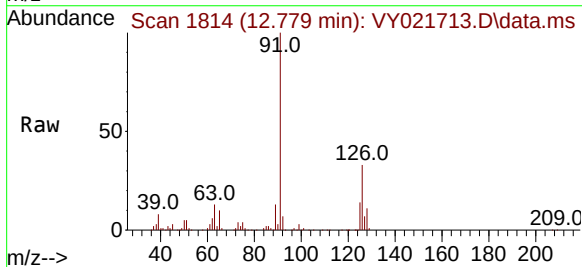
Manual Integrations
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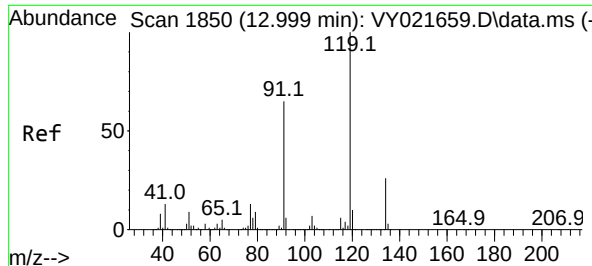
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#82
4-Chlorotoluene
Concen: 19.581 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Tgt Ion: 91 Resp: 158827
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9





#83

tert-Butylbenzene

Concen: 19.256 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:119 Resp: 15618

Ion Ratio Lower Upper

119 100

91 65.2 32.6 97.7

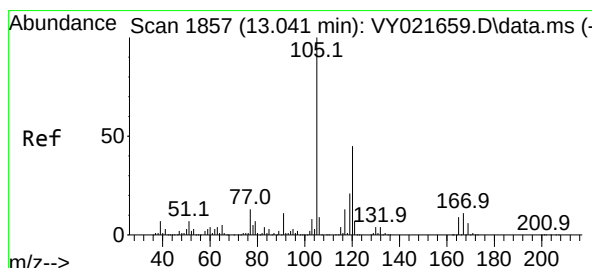
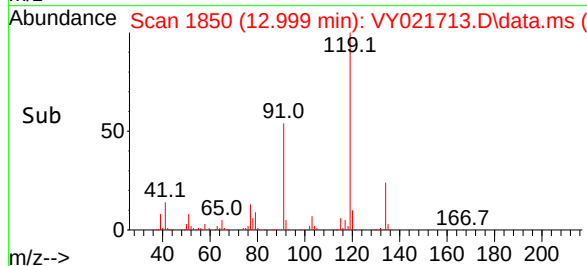
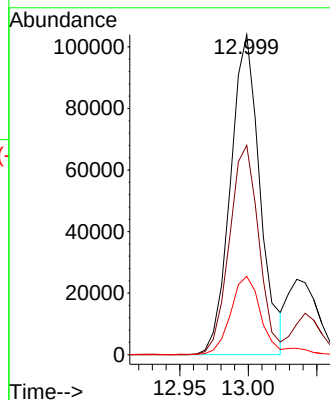
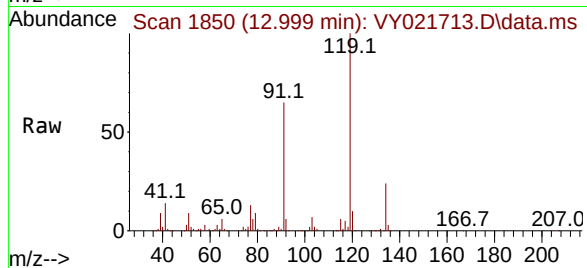
134 26.1 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.662 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021713.D

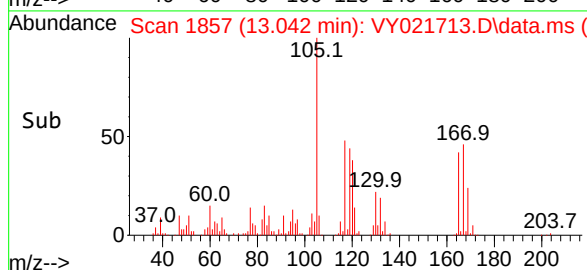
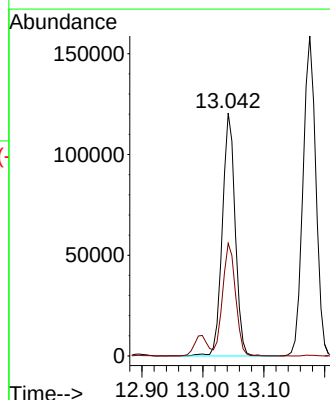
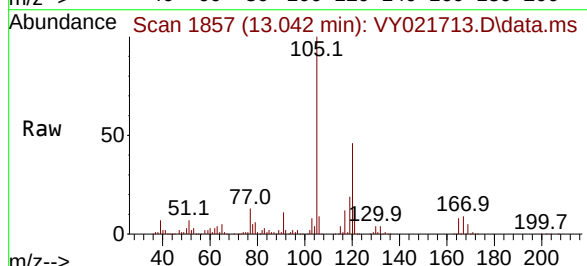
Acq: 31 Mar 2025 12:06

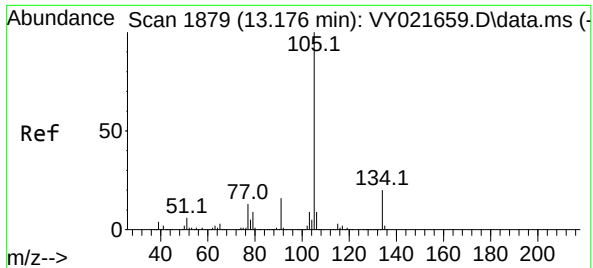
Tgt Ion:105 Resp: 176963

Ion Ratio Lower Upper

105 100

120 46.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.537 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBSD01

Tgt Ion:105 Resp: 23158

Ion Ratio Lower Upper

105 100

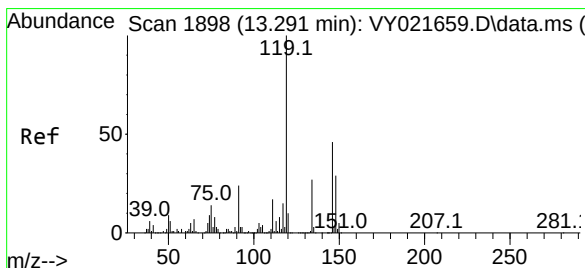
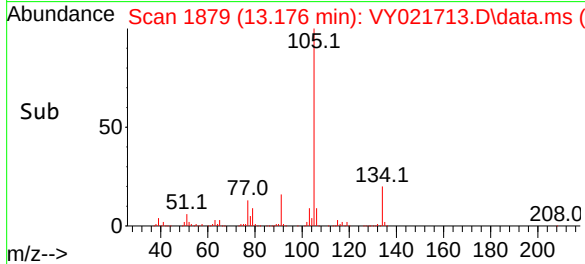
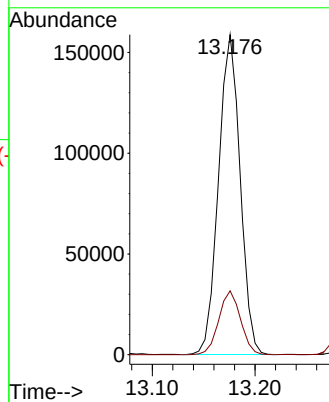
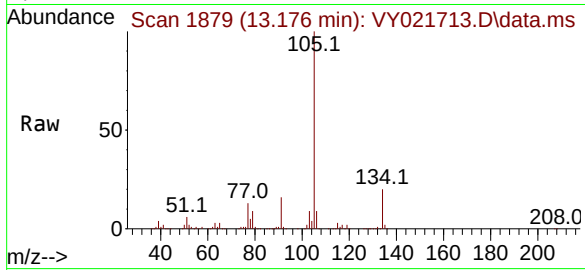
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#86

p-Isopropyltoluene

Concen: 19.670 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

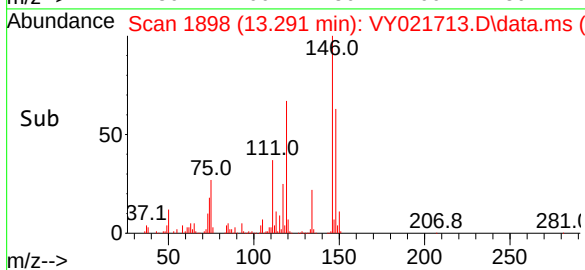
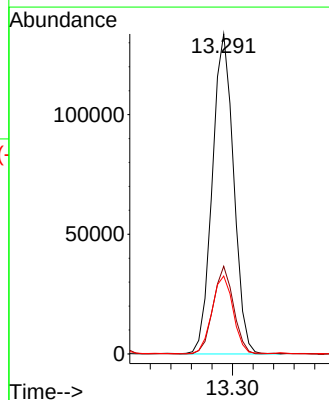
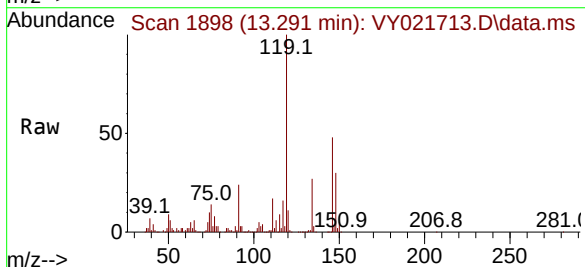
Tgt Ion:119 Resp: 192703

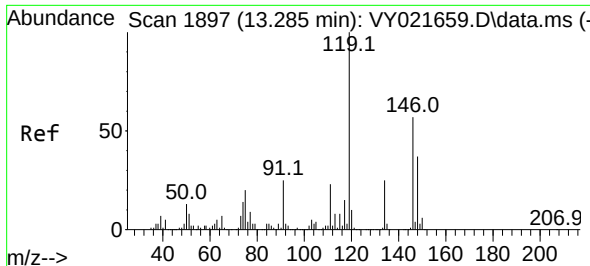
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.012 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

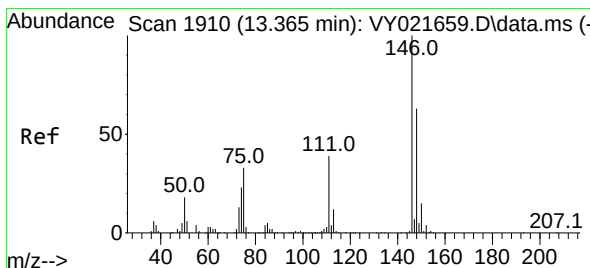
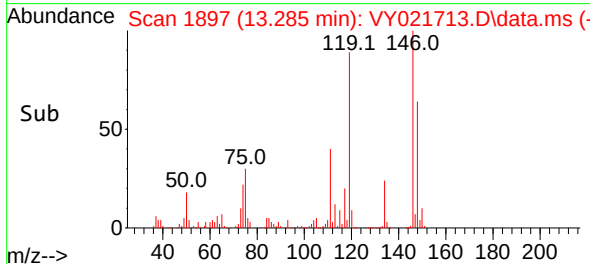
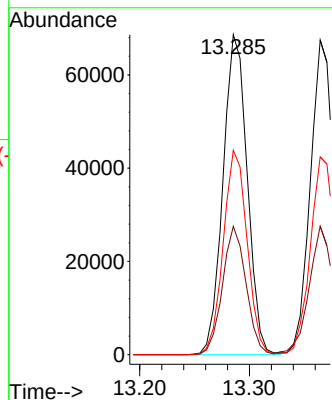
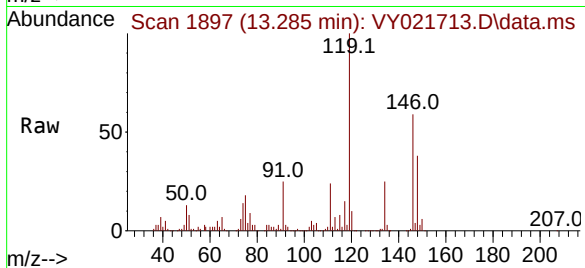
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	62.8	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#88

1,4-Dichlorobenzene

Concen: 19.473 ug/l

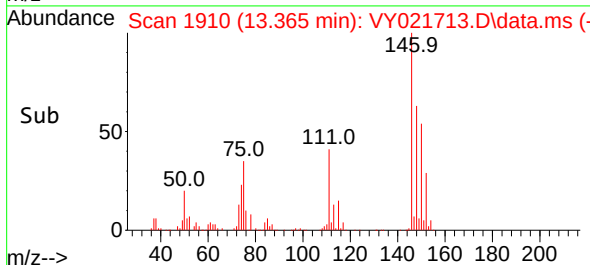
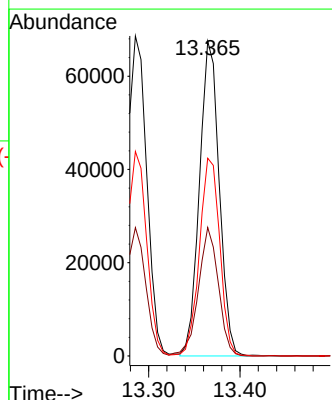
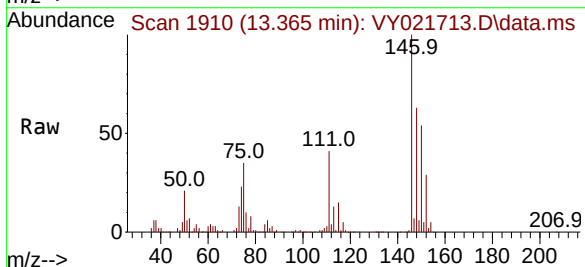
RT: 13.365 min Scan# 1910

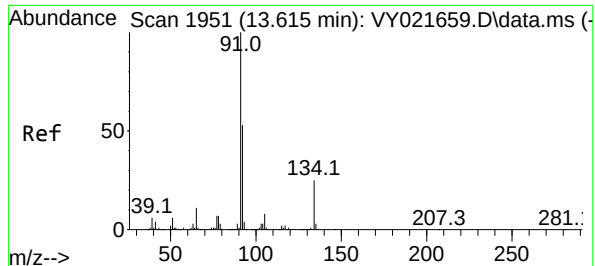
Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.1
148	64.7	31.5	94.5





#89

n-Butylbenzene

Concen: 19.301 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion: 91 Resp: 174870

Ion Ratio Lower Upper

91 100

92 52.3 26.4 79.2

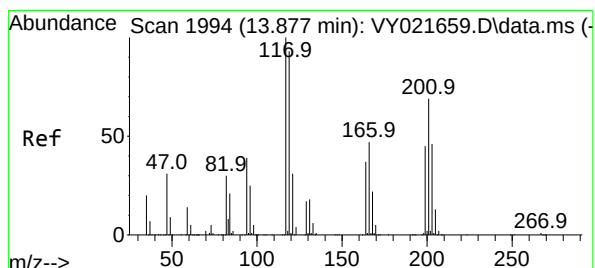
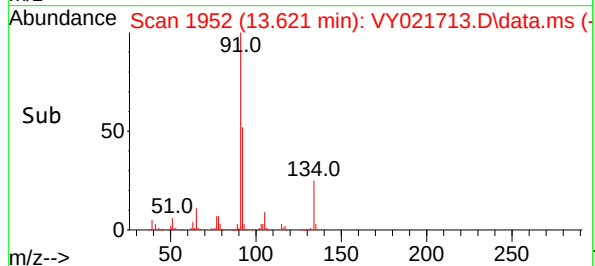
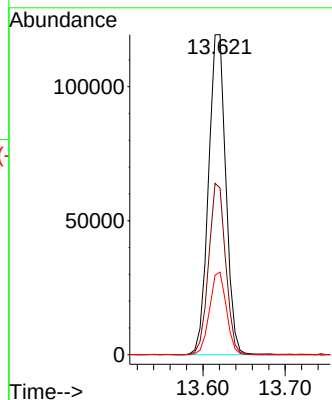
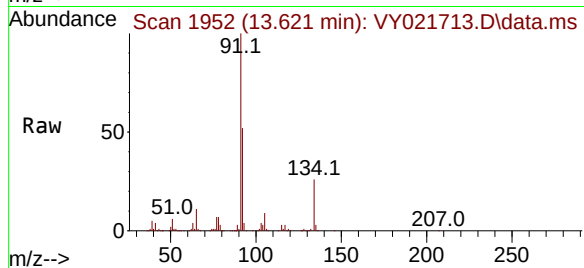
134 25.0 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#90

Hexachloroethane

Concen: 19.124 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021713.D

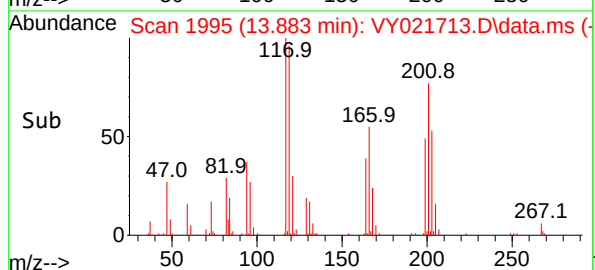
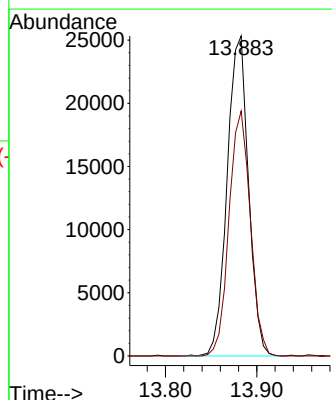
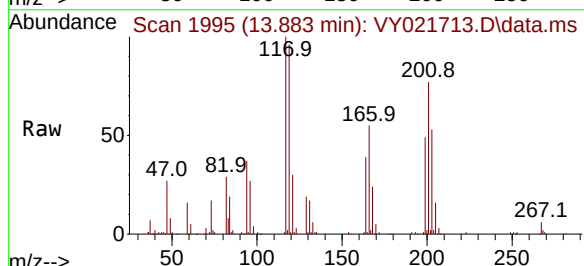
Acq: 31 Mar 2025 12:06

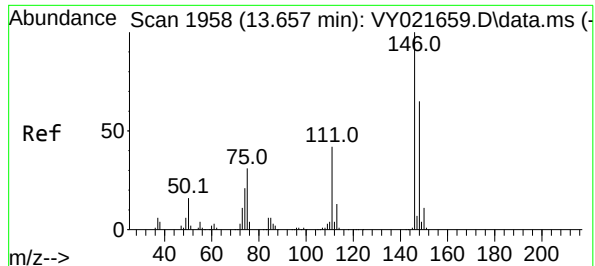
Tgt Ion:117 Resp: 41057

Ion Ratio Lower Upper

117 100

201 76.4 37.4 112.1





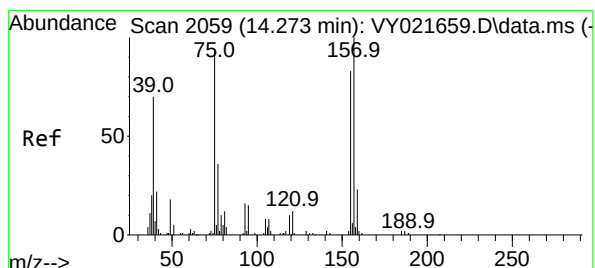
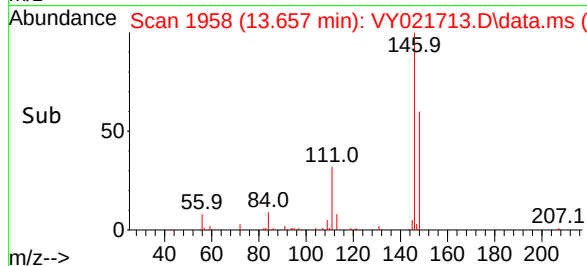
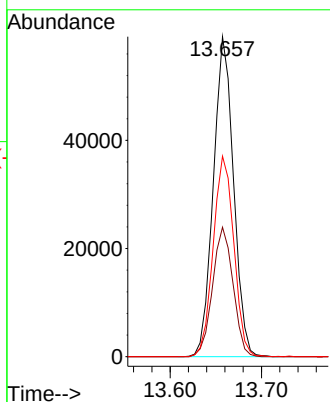
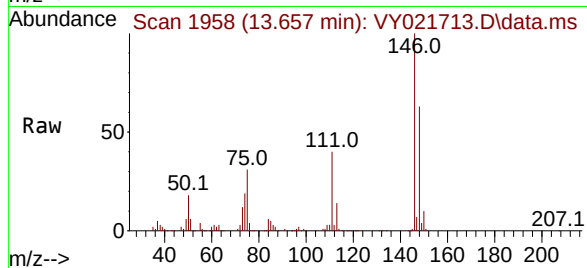
#91
1,2-Dichlorobenzene
Concen: 19.804 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tgt Ion:146 Resp: 9086
Ion Ratio Lower Upper
146 100
111 40.9 20.7 62.1
148 64.0 32.3 96.9

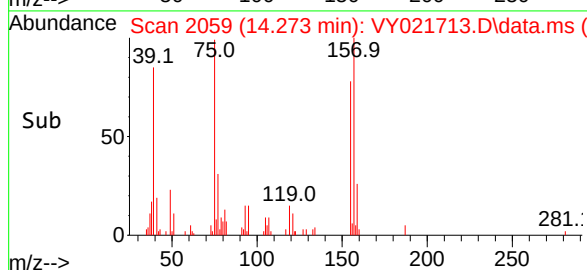
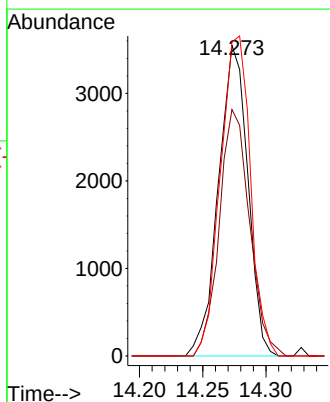
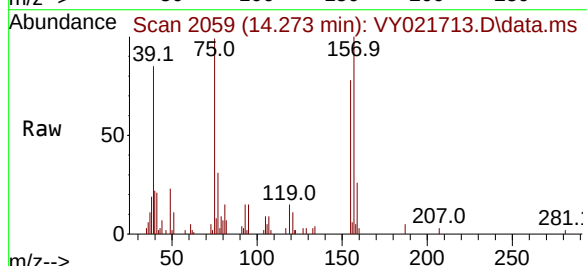
Manual Integrations
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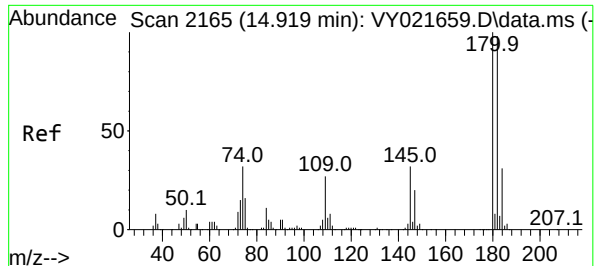
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.442 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

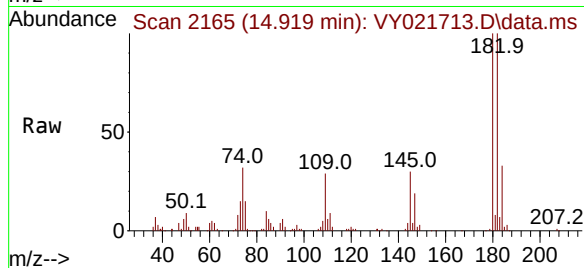
Tgt Ion: 75 Resp: 5726
Ion Ratio Lower Upper
75 100
155 81.8 43.0 128.8
157 105.5 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 18.564 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06

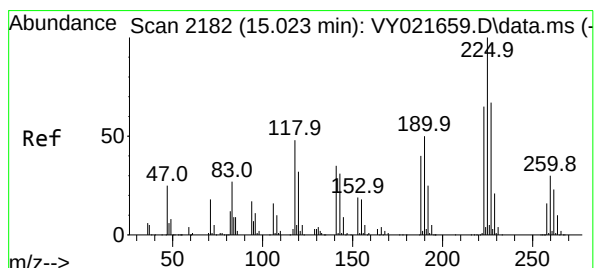
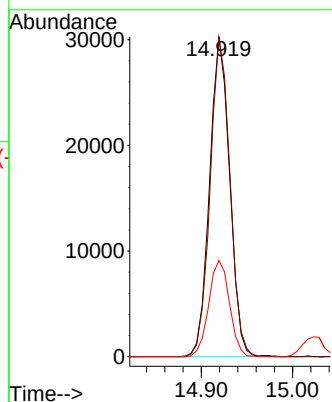
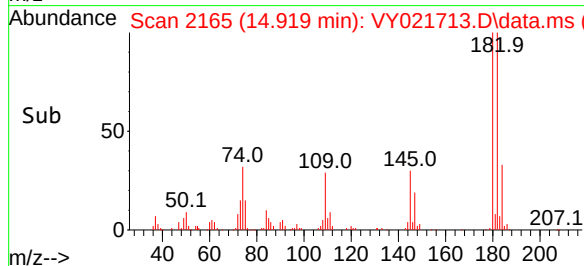
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01



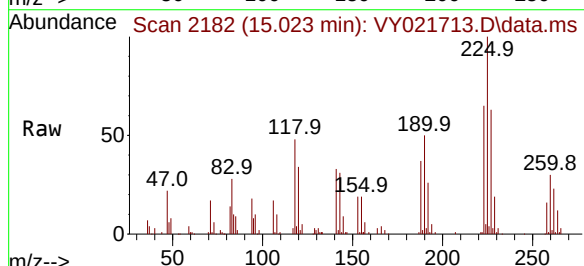
Tgt Ion:180 Resp: 46190
Ion Ratio Lower Upper
180 100
182 98.7 47.5 142.6
145 31.0 14.9 44.9

Manual Integrations
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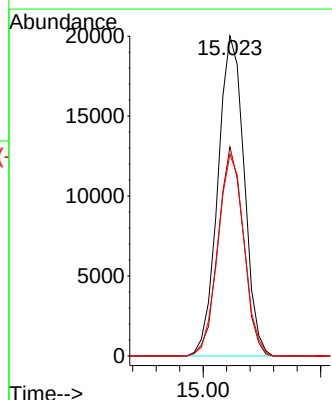
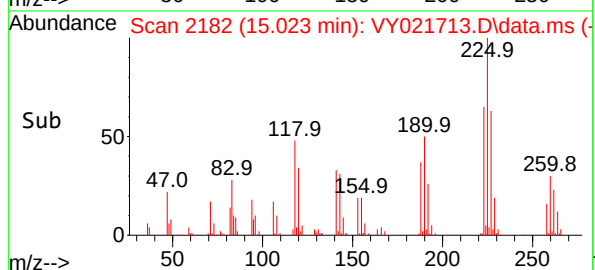
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

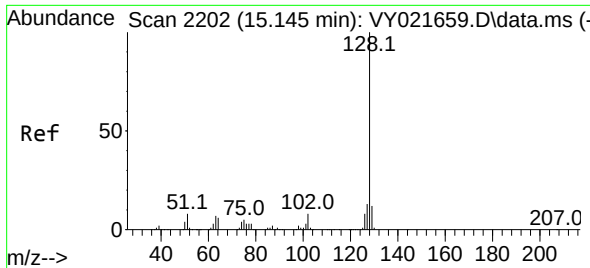


#94
Hexachlorobutadiene
Concen: 19.999 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021713.D
Acq: 31 Mar 2025 12:06



Tgt Ion:225 Resp: 31077
Ion Ratio Lower Upper
225 100
223 62.7 31.9 95.7
227 62.9 32.4 97.0





#95

Naphthalene

Concen: 17.334 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tgt Ion:128 Resp: 71488

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

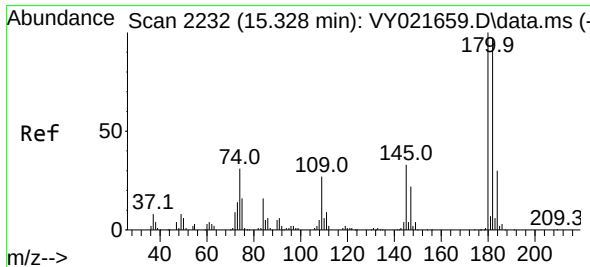
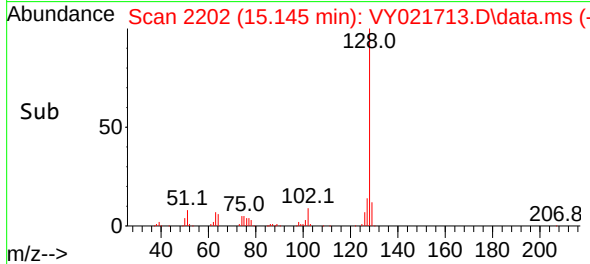
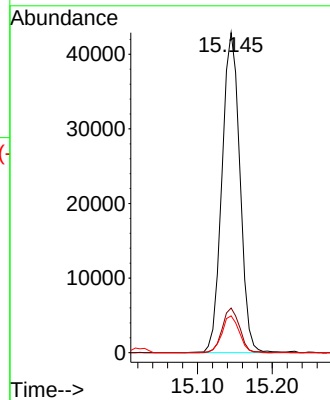
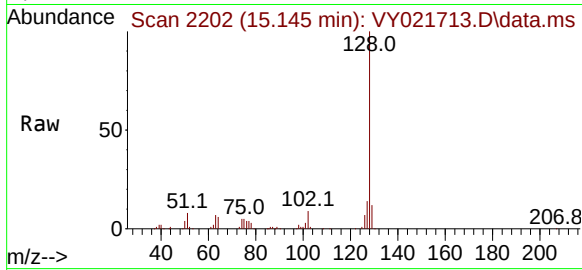
129 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 04/01/2025

Supervised By :Mahesh Dadoda 04/01/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.897 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021713.D

Acq: 31 Mar 2025 12:06

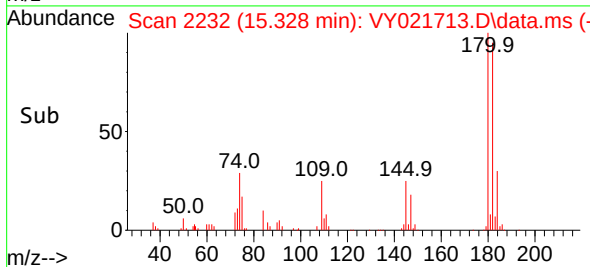
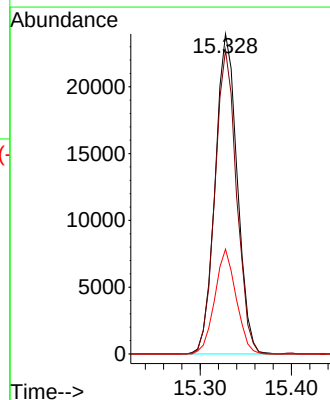
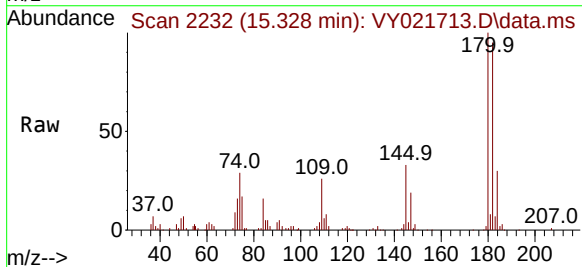
Tgt Ion:180 Resp: 40094

Ion Ratio Lower Upper

180 100

182 93.0 47.5 142.5

145 31.7 15.9 47.7



Manual Integration Report

Sequence:

vy032725

Instrument

MSVOA_y

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:

VY033125

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021710.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:49 PM	MMDadoda	4/1/2025 1:18:46 PM	Peak Integrated by Software
VY0331SBS01	VY021712.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:51 PM	MMDadoda	4/1/2025 1:18:47 PM	Peak Integrated by Software
VY0331SBS01	VY021712.D	Methacrylonitrile	Amit	4/1/2025 1:17:51 PM	MMDadoda	4/1/2025 1:18:47 PM	Peak Integrated by Software
VY0331SBSD0 1	VY021713.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:53 PM	MMDadoda	4/1/2025 1:18:49 PM	Peak Integrated by Software
VSTDCCC050	VY021729.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:54 PM	MMDadoda	4/1/2025 1:18:51 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy040125

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021731.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:07 PM	MMDadoda	4/2/2025 2:15:01 PM	Peak Integrated by Software
VY0401SBS01	VY021733.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:08 PM	MMDadoda	4/2/2025 2:15:03 PM	Peak Integrated by Software
VY0401SBS01	VY021733.D	Methacrylonitrile	Amit	4/2/2025 2:13:08 PM	MMDadoda	4/2/2025 2:15:03 PM	Peak Integrated by Software
VSTDCCC050	VY021746.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:14 PM	MMDadoda	4/2/2025 2:15:09 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch 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	VSTDIC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDIC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDIC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDIC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDIC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDIC150	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	VY0327SBS01	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/QC Batch 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 # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Maresh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133540			
CCC		VP133538,VP133539			
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	VY021709.D	31 Mar 2025 09:37	SY/MD	Ok
2	VSTDCCC050	VY021710.D	31 Mar 2025 10:08	SY/MD	Ok,M
3	VY0331SBL01	VY021711.D	31 Mar 2025 11:04	SY/MD	Ok
4	VY0331SBS01	VY021712.D	31 Mar 2025 11:43	SY/MD	Ok,M
5	VY0331SBSD01	VY021713.D	31 Mar 2025 12:06	SY/MD	Ok,M
6	Q1657-01RE	VY021714.D	31 Mar 2025 13:04	SY/MD	Confirms
7	Q1679-03	VY021715.D	31 Mar 2025 13:27	SY/MD	Ok
8	Q1679-07	VY021716.D	31 Mar 2025 13:51	SY/MD	Ok
9	Q1671-03	VY021717.D	31 Mar 2025 14:14	SY/MD	Ok
10	Q1675-01	VY021718.D	31 Mar 2025 14:38	SY/MD	Ok
11	Q1675-05	VY021719.D	31 Mar 2025 15:01	SY/MD	Ok
12	Q1675-06	VY021720.D	31 Mar 2025 15:25	SY/MD	Ok
13	Q1675-07	VY021721.D	31 Mar 2025 15:48	SY/MD	Ok
14	Q1675-08	VY021722.D	31 Mar 2025 16:11	SY/MD	Ok
15	Q1675-09	VY021723.D	31 Mar 2025 16:35	SY/MD	ReRun
16	Q1675-10	VY021724.D	31 Mar 2025 16:58	SY/MD	Ok
17	Q1675-11	VY021725.D	31 Mar 2025 17:22	SY/MD	Ok
18	Q1672-03	VY021726.D	31 Mar 2025 17:45	SY/MD	Ok
19	Q1674-01	VY021727.D	31 Mar 2025 18:08	SY/MD	Ok
20	Q1674-03	VY021728.D	31 Mar 2025 18:32	SY/MD	Ok
21	VSTDCCC050	VY021729.D	31 Mar 2025 18:55	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY040125

Review By	Amit Patel	Review On	4/2/2025 2:13:19 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/2/2025 2:15:14 PM		
SubDirectory	VY040125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133555			
CCC		VP133556,VP133557			
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	VY021730.D	01 Apr 2025 09:35	SY/MD	Ok
2	VSTDCCC050	VY021731.D	01 Apr 2025 10:13	SY/MD	Ok,M
3	VY0401SBL01	VY021732.D	01 Apr 2025 10:52	SY/MD	Ok
4	VY0401SBS01	VY021733.D	01 Apr 2025 11:30	SY/MD	Ok,M
5	VY0401SBSD01	VY021734.D	01 Apr 2025 11:52	SY/MD	Ok,M
6	Q1681-03	VY021735.D	01 Apr 2025 12:36	SY/MD	Ok
7	Q1680-03	VY021736.D	01 Apr 2025 12:59	SY/MD	Ok
8	Q1675-09	VY021737.D	01 Apr 2025 13:22	SY/MD	Ok
9	Q1675-12	VY021738.D	01 Apr 2025 13:46	SY/MD	Ok
10	IBLK	VY021739.D	01 Apr 2025 14:19	SY/MD	Ok
11	Q1664-02MS	VY021740.D	01 Apr 2025 14:42	SY/MD	Ok,M
12	Q1664-03MSD	VY021741.D	01 Apr 2025 15:05	SY/MD	Ok,M
13	IBLK	VY021742.D	01 Apr 2025 15:28	SY/MD	Ok
14	Q1687-01	VY021743.D	01 Apr 2025 15:52	SY/MD	Not Ok
15	Q1688-01	VY021744.D	01 Apr 2025 16:15	SY/MD	Not Ok
16	Q1692-01	VY021745.D	01 Apr 2025 16:38	SY/MD	ReRun
17	VSTDCCC050	VY021746.D	01 Apr 2025 17:01	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	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	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 # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM
Supervise By	Maresh Dadoda	Supervise On	4/1/2025 1:18:58 PM
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y HP Processing Method 82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133540
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133538,VP133539 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021709.D	31 Mar 2025 09:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021710.D	31 Mar 2025 10:08		SY/MD	Ok,M
3	VY0331SBL01	VY0331SBL01	VY021711.D	31 Mar 2025 11:04		SY/MD	Ok
4	VY0331SBS01	VY0331SBS01	VY021712.D	31 Mar 2025 11:43		SY/MD	Ok,M
5	VY0331SBSD01	VY0331SBSD01	VY021713.D	31 Mar 2025 12:06		SY/MD	Ok,M
6	Q1657-01RE	72-11998RE	VY021714.D	31 Mar 2025 13:04	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1679-03	TP-10-VOC	VY021715.D	31 Mar 2025 13:27	vial-A	SY/MD	Ok
8	Q1679-07	TP-9-VOC	VY021716.D	31 Mar 2025 13:51	vial-A	SY/MD	Ok
9	Q1671-03	WC-1-VOC	VY021717.D	31 Mar 2025 14:14	vial-A	SY/MD	Ok
10	Q1675-01	P1	VY021718.D	31 Mar 2025 14:38	vial-A	SY/MD	Ok
11	Q1675-05	P5	VY021719.D	31 Mar 2025 15:01	vial-A	SY/MD	Ok
12	Q1675-06	P6	VY021720.D	31 Mar 2025 15:25	vial-A	SY/MD	Ok
13	Q1675-07	T1	VY021721.D	31 Mar 2025 15:48	vial-A	SY/MD	Ok
14	Q1675-08	T2	VY021722.D	31 Mar 2025 16:11	vial-A	SY/MD	Ok
15	Q1675-09	T3	VY021723.D	31 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1675-10	T4	VY021724.D	31 Mar 2025 16:58	vial-A	SY/MD	Ok
17	Q1675-11	T5	VY021725.D	31 Mar 2025 17:22	vial-A	SY/MD	Ok
18	Q1672-03	TP-8-VOC	VY021726.D	31 Mar 2025 17:45		SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133540
CCC	VP133538,VP133539
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1674-01	RT5358	VY021727.D	31 Mar 2025 18:08		SY/MD	Ok
20	Q1674-03	72-11991	VY021728.D	31 Mar 2025 18:32		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY021729.D	31 Mar 2025 18:55		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY040125

Review By	Amit Patel	Review On	4/2/2025 2:13:19 PM
Supervise By	Mahesh Dadoda	Supervise On	4/2/2025 2:15:14 PM
SubDirectory	VY040125	HP Acquire Method	MSVOA_Y HP Processing Method 82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133555
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133556,VP133557 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021730.D	01 Apr 2025 09:35		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021731.D	01 Apr 2025 10:13		SY/MD	Ok,M
3	VY0401SBL01	VY0401SBL01	VY021732.D	01 Apr 2025 10:52		SY/MD	Ok
4	VY0401SBS01	VY0401SBS01	VY021733.D	01 Apr 2025 11:30		SY/MD	Ok,M
5	VY0401SBSD01	VY0401SBSD01	VY021734.D	01 Apr 2025 11:52		SY/MD	Ok,M
6	Q1681-03	TP-12-VOC	VY021735.D	01 Apr 2025 12:36	vial-A	SY/MD	Ok
7	Q1680-03	TP-4-VOC	VY021736.D	01 Apr 2025 12:59	vial-A	SY/MD	Ok
8	Q1675-09	T3	VY021737.D	01 Apr 2025 13:22	vial-B	SY/MD	Ok
9	Q1675-12	T6	VY021738.D	01 Apr 2025 13:46	vial-A	SY/MD	Ok
10	IBLK	IBLK	VY021739.D	01 Apr 2025 14:19		SY/MD	Ok
11	Q1664-02MS	P001-BBDGA-001-01M	VY021740.D	01 Apr 2025 14:42	vial-B Internal Standard Fail	SY/MD	Ok,M
12	Q1664-03MSD	P001-BBDGA-001-01M	VY021741.D	01 Apr 2025 15:05	vial-B	SY/MD	Ok,M
13	IBLK	IBLK	VY021742.D	01 Apr 2025 15:28		SY/MD	Ok
14	Q1687-01	72-12016	VY021743.D	01 Apr 2025 15:52	Not purged	SY/MD	Not Ok
15	Q1688-01	OR-02-040125	VY021744.D	01 Apr 2025 16:15	vial-A Not purge	SY/MD	Not Ok
16	Q1692-01	NB-08-04012025	VY021745.D	01 Apr 2025 16:38	vial-A Internal Standard Fail	SY/MD	ReRun
17	VSTDCCC050	VSTDCCC050EC	VY021746.D	01 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/28/2025
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: 03/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135225

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
Q1597-08	1-CONCRETE-SLAB	1	1.15	8.66	9.81	9.54	96.9	
Q1597-09	2-CONCRETE-SLAB	2	1.18	8.52	9.7	9.25	94.7	
Q1597-10	3-CONCRETE-SLAB	3	1.19	8.53	9.72	9.17	93.6	
Q1632-05	PIER-1-2	25	1.17	10.40	11.57	11.09	95.4	
Q1672-01	TP-8	4	1.18	10.24	11.42	10.66	92.6	
Q1672-02	TP-8-EPH	6	1.15	9.72	10.87	10.4	95.2	
Q1672-03	TP-8-VOC	5	1.13	10.11	11.24	10.00	87.7	
Q1674-01	RT5358	7	1.16	10.12	11.28	10.19	89.2	
Q1674-03	72-11991	8	1.19	10.27	11.46	9.84	84.2	
Q1675-01	P1	26	1.15	10.21	11.36	10.93	95.8	
Q1675-02	P2	27	1.19	10.57	11.76	11.39	96.5	
Q1675-03	P3	28	1.15	10.43	11.58	11.09	95.3	
Q1675-05	P5	29	1.18	10.78	11.96	11.11	92.1	
Q1675-06	P6	30	1.19	10.65	11.84	11.31	95.0	
Q1675-07	T1	31	1.18	10.08	11.26	10.53	92.8	
Q1675-08	T2	32	1.15	10.74	11.89	9.79	80.4	
Q1675-09	T3	33	1.17	10.50	11.67	9.82	82.4	
Q1675-10	T4	34	1.18	10.26	11.44	9.77	83.7	
Q1675-11	T5	35	1.18	10.41	11.59	9.84	83.2	
Q1675-12	T6	36	1.18	10.70	11.88	10.18	84.1	
Q1675-13	D1	37	1.18	10.40	11.58	9.67	81.6	
Q1675-14	D2	38	1.19	10.43	11.62	11.14	95.4	
Q1675-15	D3	39	1.18	10.26	11.44	10.97	95.4	
Q1675-16	D4	40	1.16	10.10	11.26	10.74	94.9	
Q1675-17	D5	41	1.18	10.76	11.94	11.36	94.6	
Q1675-18	K1P	42	1.15	11.65	12.8	11.03	84.8	
Q1675-19	K1	43	1.14	10.41	11.55	11.08	95.5	
Q1675-20	K2	44	1.18	10.45	11.63	11.18	95.7	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/28/2025
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: 03/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135225

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
Q1675-21	K3	45	1.17	10.15	11.32	10.9	95.9	
Q1676-05	SVOC-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1676-06	PEST-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1676-07	PEST-GPC-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1676-08	PCB-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1676-09	PCB-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1676-10	SVOC-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1676-11	PEST-GPC2-BLANK	15	1.00	1.00	2.00	2.00	100.0	
Q1676-12	PEST-GPC2-BLANK-SPIKE	16	1.00	1.00	2.00	2.00	100.0	
Q1676-13	PCB-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1676-14	PCB-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1677-01	JEI299N-1-1	19	1.00	1.00	2.00	2.00	100.0	oilc
Q1677-02	JEI299N-1-2	20	1.00	1.00	2.00	2.00	100.0	oilc
Q1677-03	HIH445B-1-1	21	1.00	1.00	2.00	2.00	100.0	oilc
Q1677-04	HIH445B-1-1	22	1.00	1.00	2.00	2.00	100.0	oilc
Q1678-01	MOO-25-0082	23	1.00	1.00	2.00	2.00	100.0	debris
Q1678-02	MOO-25-0082-87-88	24	1.14	10.54	11.68	10.55	89.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135225

WorkList Name : %1-032825

WorkList ID : 188606

Department : Wet-Chemistry

Date : 03-28-2025 08:10:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1675-01	P1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-02	P2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-03	P3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-05	P5	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-06	P6	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-07	T1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-20	K2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-21	K3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-14	D2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-15	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-16	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-17	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-18	K1P	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-19	K1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-08	T2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-09	T3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-10	T4	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-11	T5	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-12	T6	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-13	D1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1676-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO

Date/Time 03/28/25 13:20

Raw Sample Received by: JB WOI

Raw Sample Relinquished by: JB WOI

Date/Time 03/28/25

Raw Sample Received by: JB WOI

Raw Sample Relinquished by: JB WOI

WORKLIST(Hardcopy Internal Chain)

9135225

WorkList Name : %1-032825 WorkList ID : 188606 Department : Wet-Chemistry Date : 03-28-2025 08:10:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1676-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1597-08	1-CONCRETE-SLAB	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/18/2025	Chemtech -SO
Q1597-09	2-CONCRETE-SLAB	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/18/2025	Chemtech -SO
Q1597-10	3-CONCRETE-SLAB	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/18/2025	Chemtech -SO
Q1632-05	PIER-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO
Q1672-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1672-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1677-04	HIH445B-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1678-01	MOO-25-0082	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1678-02	MOO-25-0082-87-88	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1672-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1674-01	RT5358	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1674-03	72-11991	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO

Date/Time 03/28/25 15:20
 Raw Sample Received by: JB WSC
 Raw Sample Relinquished by: JB WSC

WORKLIST(Hardcopy Internal Chain)

135225

WorkList Name : %1-032825 WorkList ID : 188606 Department : Wet-Chemistry Date : 03-28-2025 08:10:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1677-01	JEI299N-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1677-02	JEI299N-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1677-03	HIH445B-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO

Date/Time 03/28/25 15:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 03/28/25 17:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Geac Inc
ADDRESS: 8 CARRIAGE Lane
CITY: Succasunna STATE: NJ ZIP: 07876
ATTENTION: BL
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: BL
e-mail: gary@j-environmental.com
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: Geac Inc PO#: _____
ADDRESS: 8 CARRIAGE
CITY: Succasunna STATE: NJ ZIP: 07876
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH): SK EPH-3 days DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other: _____
☒ EDD FORMAT: hazite edd.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	P1	Soil		X	3/27/25	0854		X		X							
2.	P2				↑	0856				X							
3.	P3					0900				X							
4.	P4				↓	0915				X							
5.	P5				3/27/25	0930		X		X							
6.	P6				↑	0935				X							
7.	T1				↑	1143		X									
8.	T2				↑	1155		X									
9.	T3				↓	1205		X									
	T4	Soil		X	3/27/25	1210		X									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

QUISHED BY SAMPLER:

DATE/TIME: 1100

RECEIVED BY:

SHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

ED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

Comments:

EPH Cat 2 (Contingency) SRP 2-methyl naphthalene
3 Day TAT
2-methyl naphthalene / Naphthalene
CLIENT: ☐ Hand Delivered ☐ Other
Page ____ of ____

Shipment Complete

☐ YES ☐ NO

Q1675

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: BECP INC
ADDRESS: 8 CARRIAGE
CITY: Succasham STATE: NJ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: _____ LOCATION: NJ
PROJECT MANAGER: Gr
e-mail: _____
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: BECP INC PO#: _____
ADDRESS: 8 CARRIAGE
CITY: Succasham STATE: NJ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) EPH 3 day TAT DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
X EDD FORMAT haz site excel pdf

TO VIALS THIS
EPH COTL
CONTINGENCY
2nd day
Negotiation

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	T5	501/		X	3/27/25	1215		X										
2.	T6					1216		X										
3.	D1	501/				1221	1			X								
4.	D2					1228	1			X								
5.	D3					1230	1			X								
6.	D4					1245	1			X								
7.	D5	501/		X	3/27/25	1252	1			X								
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>Ad</u>	DATE/TIME: <u>1100</u> <u>3/28/25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3-8</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: <u>EPH 3 day TAT</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

CLIENT INFORMATION

COMPANY: Geop INC
ADDRESS: 8 Carrinze
CITY: Secaucus STATE: NJ ZIP: 07096
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stouton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Geop INC PO#:
ADDRESS:
CITY: Secaucus STATE: NJ ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) EPH 3/2/07 DAYS*
HARDCOPY (DATA PACKAGE) STANDARD DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1 2 3 4 5 6 7 8 9
EPH 3/2/07 (contingency PAF)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	K1P	Soil	X	X	3/2/07		1	X									
2.	K1	Soil		X			1	X									
3.	K2	Soil		X			2	X									
4.	K3	Soil		X	3/2/07		2	X									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1100</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.8°C</u>
1. <u>[Signature]</u>	DATE/TIME: <u>3/2/07</u>	1. <u>[Signature]</u>	Comments: <u>EPH 3/2/07 (contingency PAF)</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1675 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 3/28/2025 11:22:41 AM
Project Name : Stockton
Receive DateTime : 3/28/2025 11:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1 NJ Red.
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1675-01	P1	Solid	03/27/2025	08:54	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-05	P5	Solid	03/27/2025	09:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-06	P6	Solid	03/27/2025	09:35	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-07	T1	Solid	03/27/2025	11:43	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-08	T2	Solid	03/27/2025	11:55	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-09	T3	Solid	03/27/2025	12:05	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-10	T4	Solid	03/27/2025	12:10	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1675-11	T5	Solid	03/27/2025	12:15					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1675	GENV01	Order Date : 3/28/2025 11:22:41 AM	Project Mgr :
Client Name : G Environmental		Project Name : Stockton	Report Type : ~~Level 1~~ NJ. Red.
Client Contact : Gary Landis		Receive DateTime : 3/28/2025 11:00:00 AM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1675-12	T6	Solid	03/27/2025	12:16	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : 
Date / Time : 3/28/25 12:15

Received By : 
Date / Time : 3-28-25 12:15
Storage Area : VOA Refridgerator Room